DRILL REPORT
2007-2008 DRILL PROGRAM
AMALGAMATED KIRKLAND PROPERTY
KIRKLAND LAKE, ONTARIO
LARDER LAKE MINING DIVISION
NTS 42-A-01

WAYNE R. BENHAM, P. GEO.
QUEENSTON MINING INC.

TORONTO, ONTARIO
September 15, 2009

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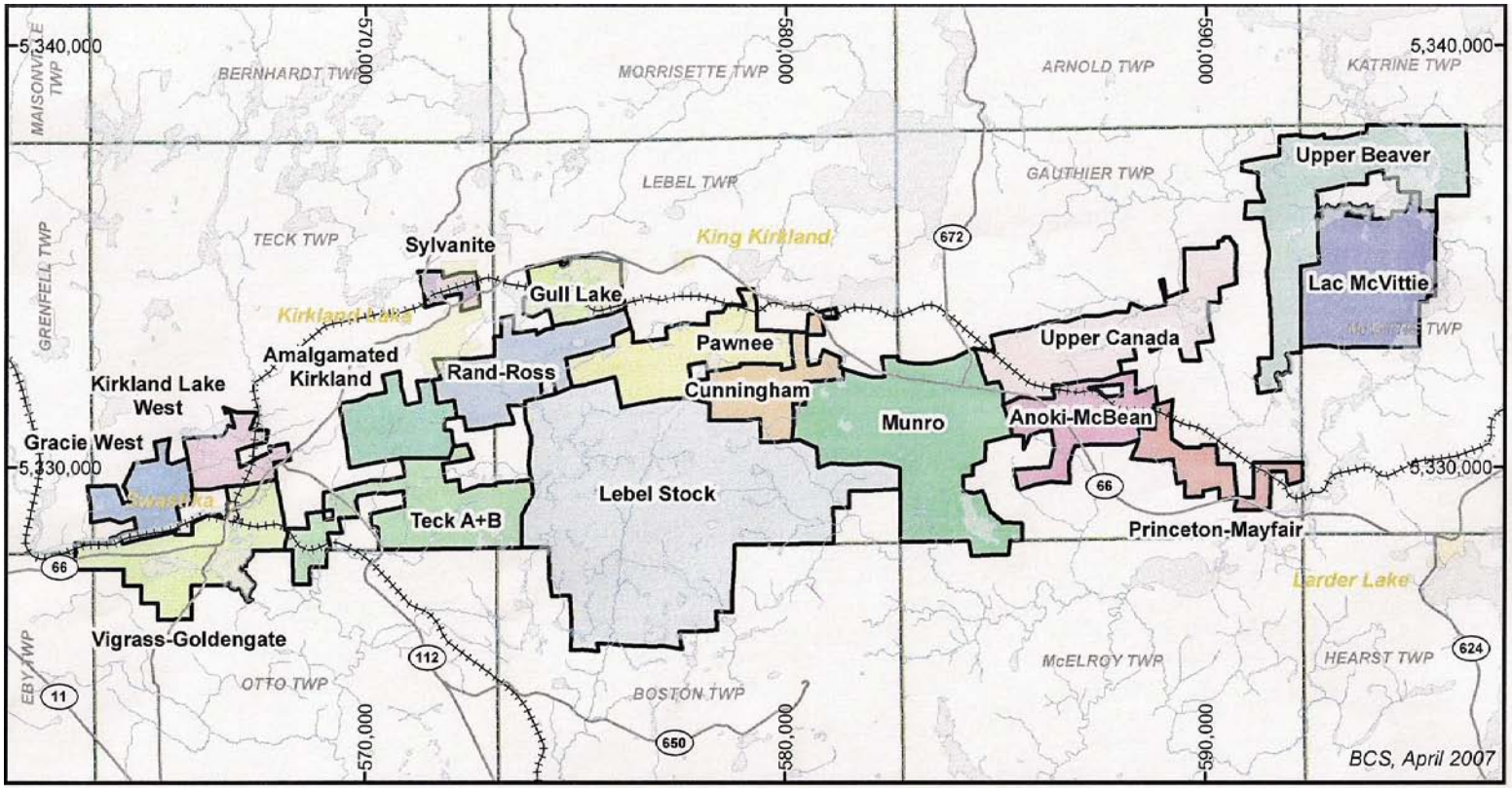
1.0 INTRODUCTION

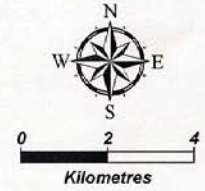
In October 2007, Queenston Mining Inc. (QMI) initiated a deep surface drilling program on the Amalgamated Kirkland property (AK), located in Teck Township in northeastern Ontario. The purpose of this drilling was to test for the eastern strike extension of the South Mine Complex which is currently being explored and mined by Kirkland Lake Gold Inc on the Macassa property on the 5300 foot level near the northwest corner of the AK property. This report describes the 2007-2008 results of this deep drilling.

2.0 PROPERTY, LOCATION and ACCESS

The AK property is located in the southeastern quadrant Teck Township south of Chaput Hughes in the Town of Kirkland Lake in the Larder Lake Mining Division in northeastern Ontario Figure 1. Highway 66 (Government Road West) crosses the northwestern corner of the property and Archer Drive traverses the northern portion the property from west to east. The property is contiguous to the Teck A property to the south and the Rand property to the east. Excellent access is provided by old drill roads leading off Archer Drive.

The property, as shown on Figure 2, consists of one mining lease # 106667, CLM 328, (Mining Rights Only), 417.658 hectares, which is due for renewal June 1, 2012. The surface rights are owned by the Town of Kirkland Lake who has been developing an Industrial Park on this land since 1992.

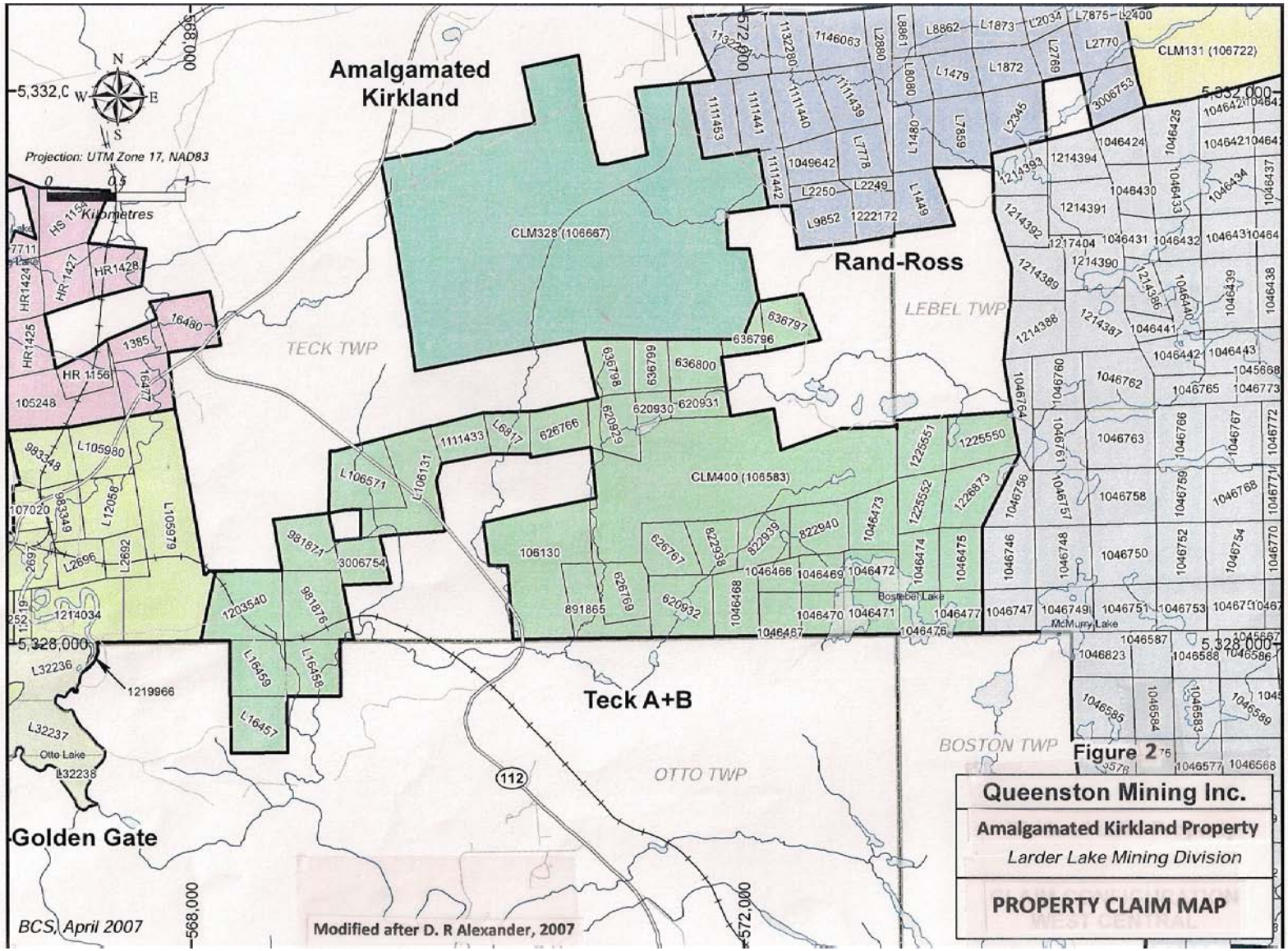




After D. R Alexander, 2007

Figure 1

Queenston Mining Inc.
Kirkland Lake Gold Camp *Larder Lake Mining Division*
PROPERTY MAP


Amalgamated Kirkland
Rand-Ross
Teck A+B
Golden Gate
CLM328 (106667)
CLM400 (106583)
CLM131 (106722)
TECK TWP
LEBEL TWP
OTTO TWP
BOSTON TWP
Bosebel Lake
McMurry Lake
Otto Lake
Projection: UTM Zone 17, NAD83
Kilometres
5,332,000
5,328,000
568,000
572,000
112
BCS, April 2007
Modified after D. R Alexander, 2007
Figure 2
Queenston Mining Inc.
Amalgamated Kirkland Property
Larder Lake Mining Division
PROPERTY CLAIM MAP

3.0 PREVIOUS WORK

The initial discovery of gold at the AK was in 1920 when the Hunton shaft was sunk on the northern portion of the property to a depth of 120 m with four levels being established. From 1925 to 1939 the Hunton shaft was deepened to 750 feet where further lateral development and drilling was completed. From 1939 to 1988 various interests owned the property and a variety of exploration was completed including 9 programs of diamond drilling. In 1989 Queenston acquired the property and formed a joint venture with Battle Mountain Canada who completed geophysics, trenching and diamond drilling that led to the discovery of the AK gold deposit. In 1993 Cyprus Canada optioned the property, completed further diamond drilling and outlined a mineral resource of 1,800,000 tonnes grading 5.5 g/t Au including 1,300,000 tonnes grading 6.8 g/t. In 1996 Queenston regained full title to the property and formed a joint venture with Franco Nevada Mining Corporation who later formed Newmont Mining Corporation of Canada Limited. In 1997 a new inferred resource was calculated totaling 2,639,338 tonnes grading 4.46 g/t Au. These historic resources are NI 43-101 noncompliant. In 2002 Queenston purchased Newmont's interest in the property and in 2003 and 2005 completed further diamond drilling on the property.

A summary of previous work on the property follows:

***1911-13**: Hunton Gold Mines incorporated (1913) on a claim staked in 1911; surface trenching.*
***1920-25**: Hunton Gold Mines; shaft to 400 ft, levels at 125, 250 and 375 ft; north crosscut started on 375-ft level (main exploration level with 550 m development and 1,220 m diamond drilling); further surface and underground drilling.*
***1921**: Canadian Kirkland Mines; shaft to 100 ft on current AK property; further work immediately west of claim group reported as shaft to 816 ft, levels at 80, 250, 400, 800 ft with 641 m lateral development, and; a third shaft some 610 m west with 122 m lateral development on 65 and 125 ft levels; 2,439 m of diamond drilling to 1939 (?) – separate from Hunton property.*
54
***1922-23**: Highland Kirkland Gold Mines; 4 drill holes (977 m), 1,220 m surface trenching, inclined shaft to 100 ft (at –65 degrees) with some development on 60-ft level – south and east of Canadian Kirkland and Hunton prospects in Tisdale assemblage rocks.*
***1925-39**: Kirkland Hunton Gold Mines; inclined winze from 375-ft to 675-ft level (1925), later extended to 750-ft level; shaft deepened to 500 ft (1928); 476 m underground development, 2,918 m of diamond drilling.*
***1936-37**: Florena Kirkland Gold Mines; magnetic survey, 7 surface drill holes (2,396 m) on previous Highland Kirkland ground.*
***1939-44**: Amalgamated Kirkland Mines (incorporated 1939) as amalgamation of Hunton, Honer and Canadian Kirkland lands (10 claims of current group); 27 surface drill holes (3,724 m); crosscut from Macassa 3000-ft level extended toward Amalgamated ground, 2 drill holes (844 m) drilled in 1944.*
***1945**: Frobisher Exploration; 14 surface holes (1,305 m) on Amalgamated lands.*
***1972**: Mayfield Explorations and Development; 11 surface drill holes (855 m).*
***1973**: Orme Prospecting Syndicate; one drill hole (37 m) under Highland Kirkland inclined shaft.*
***1974**: Kerr Addison Mines; magnetic surveys, mapping, trenching, 4 surface holes (101 m) into carb rocks.*
***1978**: Newmont Exploration of Canada; geophysics (includes IP), mapping, 7 drill holes (1,903 m) on former Highland Kirkland / Florena property.*
***1981**: Lampe Resources; one surface drill hole (61 m).*
***1983-84**: Eden Rock Mineral Corp; three drill holes (359 m).*
***1986**: Accord Resources; stripping, sampling at Hunton area.*

***1989**: Queenston Gold Mines acquires current claim group.*
***1989-92**: Battle Mountain Canada; airborne magnetic and VLF-EM survey; ground magnetic and IP surveys, mapping, stripping / trenching, 45 drill holes (11,838 m), AK Zone discovered.*
***1993-95**: Cyprus Canada; mapping, 23 drill holes and extensions (14,368 m); first resource estimate.*
***1996**: Canadian Golden Dragon Resources; three drill holes (1,721 m).*
***1997-98**: property sold to Franco-Nevada (1997); property becomes part of Kirkland Lake Joint Venture (Queenston – Franco-Nevada) in 1998; no new work undertaken.*
***2002-03**: Queenston purchased Franco-Nevada (then Newmont Mining Corp) interest; 3,010.7 m surface drilling in 7 holes.*
***2005**: Queenston; 7 drill holes and a deepening of a prior Cyprus drill hole (6,126 m).*

Note: from Technical Report on QMI-Kirkland Lake, D. Alexander, November, 2007

4.0 PROPERTY GEOLOGY and MINERALIZATION

The AK property is bisected by the Cadillac-Larder Lake Break. In this area, the break follows the northern fringe of the Murdoch Creek Stock (syenite) and is represented by sheared ultramafics and green carbonate rocks of the Tisdale assemblage with local shearing in the adjacent Timiskaming suite to the north. The Tisdale assemblage is best developed in the eastern part of the property, but occurs as a relatively thin veneer (to 200 m thick) around the north contact of the Murdoch Creek Stock. The Timiskaming assemblage is dominated by fine to coarse clastic sedimentary rocks with lesser alkalic volcanics including fine to coarse pyroclastics, flows and intrusives.

The Murdoch Creek syenite stock trends parallel to the regional deformation fabric and is the dominant feature in the south part of the property. Its north contact is less contaminated than the southern contact on the Teck A & B lands but mafic syenite sections and carb rocks are found within the system and in the contact aureole. Other syntectonic syenites are found in the north part of the property – most prominent at the Hunton shaft area (north). The volcanic and sedimentary rocks are cut by east-west and north-south Keewatin diabase dykes (See Figures 3 and 4).

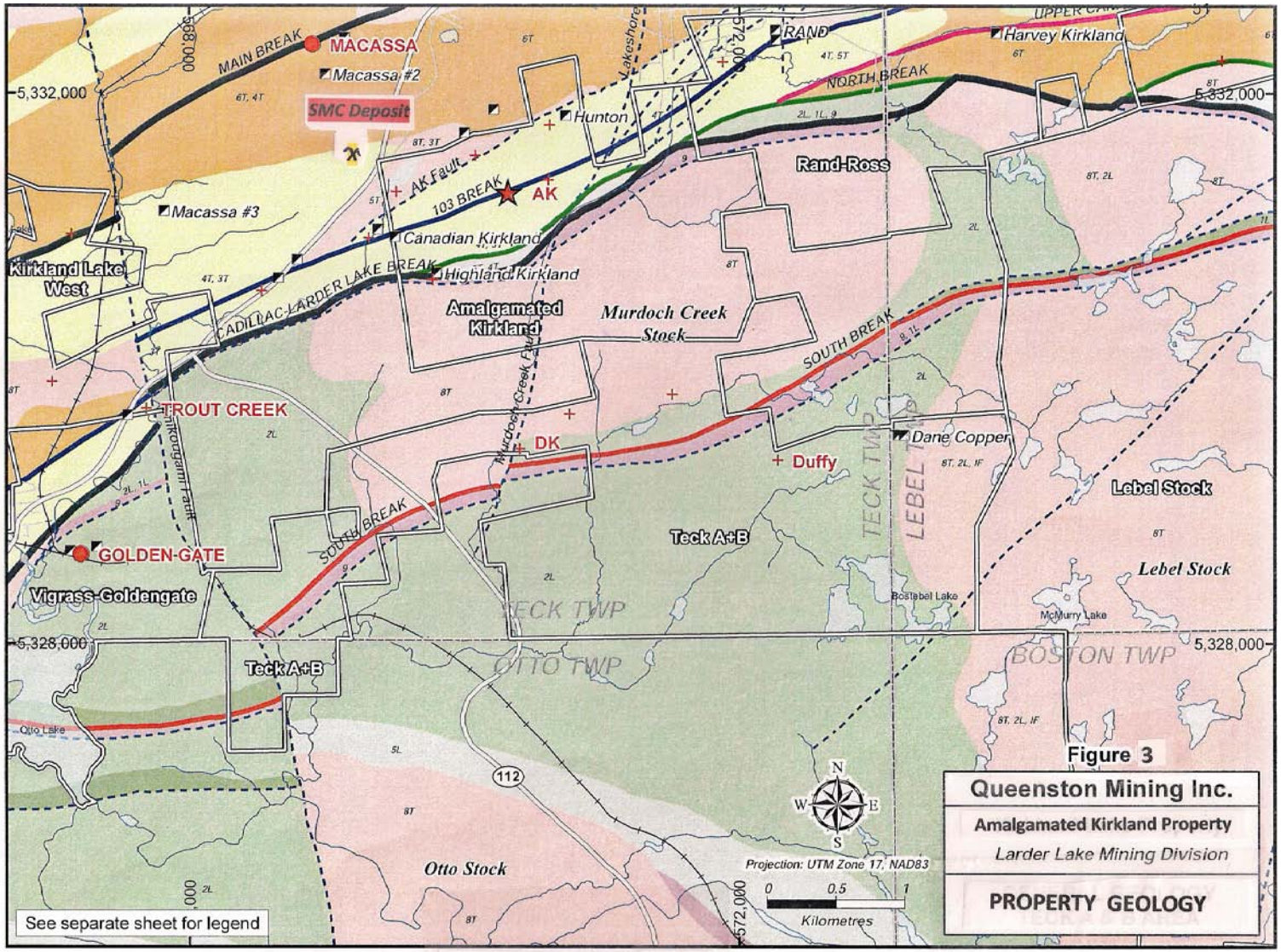


Figure 3

Queenston Mining Inc.

Amalgamated Kirkland Property

Larder Lake Mining Division

PROPERTY GEOLOGY

Modified after D. R Alexander, 2007

BCS, July 2007

Figure 4

LEGEND for GEOLOGY and DRILLING FIGURES

SURFACE FEATURES

- Local Road
- Highway
- Rail
- Lake/River
- Creek

GOLD DEPOSITS

- Past Producer
- Advanced Prospect
- Current Resource
- Historic Resource
- Showing
- Shaft/Adit

RECENT DRILLING

- Collar
- Surface Trace

FAULTS

- Cadillac-Larder Lake Break
- Main Break
- South Break
- Upper Canada Break
- Upper Canada Break (South Branch)
- North Break
- 103 Break
- Minor Fault

LITHOLOGY

LATE STAGE

- 12 - Diabase
- 11 - Huronian Sediments
- 10 - Deformation/Alteration Zone (carbonated trachyte)
- 9 - Deformation/Alteration Zone (carbonated komatiite)

TIMISKAMING ASSEMBLAGE

- 8T - Alkalic Intrusive
- 6T - Conglomerate-Greywacke
- 5T - Greywacke-Conglomerate
- 4T - Alkalic Tuff
- 3T - Alkalic Flow

BLAKE RIVER ASSEMBLAGE

- 8B - Felsic Intrusive
- 7B - Mafic Intrusive
- 4B - Felsic-Intermediate Tuff
- 3B - Felsic-Intermediate Flow

LOWER BLAKE RIVER ASSEMBLAGE

- 8K - Felsic Intrusive
- 7K - Mafic Intrusive
- 2K - Mafic Flow

TISDALE ASSEMBLAGE

- 8L - Felsic Intrusive
- 7L - Mafic Intrusive
- IF - Iron Formation
- 6L - Conglomerate - Greywacke
- 5L - Greywacke - Conglomerate
- 4L - Felsic-Intermediate Tuff (Upper Tisdale Group)
- 2L - Mafic Flow
- 1L - Ultramafic Flow

After D. R Alexander, 2007

The AK deposit consists of lode-style gold mineralization hosted by altered and pyritic Timiskaming trachytic volcanics. The volcanics wedge out or thin at depth between two sedimentary units. The zone strikes at 070 degrees, dips steeply south, and, exhibits a westerly plunge of 50 degrees.

Mineralization is characterized by blue-grey, brecciated and 'wormy', quartz-ankerite veins which contain up to 10% fine-grained pyrite and lesser amounts of galena, chalcopyrite, sphalerite, molybdenite and visible gold. The sulphides and gold commonly occur along fractures and wallrock inclusions in the veins. Native gold occurs as fine pinpoints distributed in one to five mm sized clusters of up to ten or more grains. Auriferous veins are found within a quartz-ankerite-sericite-pyrite alteration assemblage that is enveloped by a broader zone of ankerite-sericite-pyrite +/- hematite and quartz alteration up to 60 m wide.

The AK deposit is estimated by QMI to contain historic (NI 43-101 Noncompliant) inferred resources of 2,639,338 tonnes grading 5.5 g/t Au.

5.0 2007-2008 DRILL PROGRAM

In October 2007, QMI commenced a surface deep diamond drilling program on the property. The primary target for this program is the New South Mine Complex ("SMC") currently being explored, developed and mined by Kirkland Lake Gold Inc. ("KL Gold") on the adjacent Macassa property. A secondary target was the western strike extension of the AK deposit at depth.

The SMC is interpreted to dip onto the AK property at a depth of approximately 1,800 - 2,200 m (6,000 – 8,200 ft). The SMC is a multiple-zone gold system discovered by KL Gold in 2005. It represents a new-style of mineralization in the camp located some 600 m south of the main Kirkland Lake productive trend at a depth of 1200 m (5300 ft). Since the discovery, sufficient work has already been completed to calculate proven and probable reserves in the SMC totaling 358,000 oz. of gold (485,000 tons grading 0.74 oz/ton (25.4 g/t)) plus measured and indicated resources comprising 144,500 oz. of gold (213,000 tons grading 0.68 oz/ton (23.3 g/t)) and inferred resources of 526,000 oz. of gold (622,000 tons grading 0.85 oz/ton (29.1 g/t)) (KL Gold news release dated July 18, 2007). The SMC remains open in all directions and recent definition drilling announced by Queenston and KL Gold on February 13, 2008 has returned continued high-grade intersections on the adjoining JV South Claims property to the west where hole 50-901 intersected the SMC assaying 0.75 oz/ton over a core length of 49.5 feet. This intersection is reported to lie within 100 metres of the northwestern boundary of the AK property.

A total of 7,901 metres of NQ diameter drilling in 3 holes and 9 wedge cuts were drilled by Benoit Diamond Drilling Ltd. from Val d'Or, Quebec. This drilling was designed to intersect the eastern strike extension of the KL Gold SMC deposit.

Drilling was started on October 14, 2007 and it was completed on November 30, 2008. The drill program was planned and supervised by Wayne R. Benham P.Geo., Queenston Mining Inc. The core was logged and sampled by QMI Project Geologist Frank Ploeger P.Geo. at Queenston's Upper Canada mine site. The drill core is stored at the Upper Canada mine site. A total of 1,442 core samples were cut with a diamond saw by QMI technicians Terry Playford and Shawn Playford. Swastika Laboratories Ltd. at Swastika, Ontario assayed all samples for geochemical gold ppb (Fire Assay - one assay ton). Samples with > 1000 ppb gold were check by fire assay using a gravimetric finish.

The initial drill hole AK07-01 was spotted by Northland Technical Surveys, Kirkland Lake, Ontario with NAD 27 UTM co-ordinates and geodetic elevations. Reflex down hole azimuth and dip tests were taken at 60-80 metre intervals down the hole by the drillers. Northseeking gyroscopic down hole surveys were completed by Halliburton Sperry Drilling Services, North Bay Ontario when the holes were completed
The results of the 2007-2008 drilling are described in drill logs AK07-01, 1A, 1B, 1C; AK08-1D, 1D, 1E, AK08-02, 02W1, 02W2, 02W3 and 02W4 (Appendix I) and Assay certificates are located in Appendix II. The drill hole locations and traces are shown on a drill plan at a scale of 1:2,500 and shown on drill hole cross sections looking 251^0 Azimuth at a scale of 1:2,500. (Appendix III).

6.0 CORE LOGGING, SAMPLING, ASSAYING

During the period October, 2007 to December, 2008 all surface diamond drill holes were NQ in diameter. The core is placed in wooden boxes by the drillers. The boxes are picked up by Queenston technicians at the drill site and delivered to the core-logging facility at the former Upper Canada mine site.

Core logging protocol by Queenston geologists is summarized as follows:

The core is first measured to check that the driller's metre blocks are correct. The metreage is marked at the start of each box. Any lost or ground core is noted and zones of poor RQD are note (i.e. <75%).

The core is logged in detail and recorded in a digital format using an excel spreadsheet. Special attention is given to alteration mineralization and structural information. Mineralization and alteration are sampled. The samples are marked by the geologist and sample tickets are inserted. Depending on the lithology, alteration and mineralization, sample widths vary from 0.30 m to 1.4 m average 1.0 m. The samples are entered on the drill logs. For each sample the percentage of quartz-carbonate veining, % pyrite are estimated and entered on the log.

The samples are then cut in half by a Queenston technician using a diamond core saw. Half the core is placed in a plastic bag with a sample ticket and the other half is put back in the box with a duplicate sample ticket at the end of the sampled interval. Samples with visible gold are flagged and the core cutter is advised to take special care to clean the saw blade after cutting the potentially high grade sample in order to avoid contamination of the next sample. The assay lab is also advised of visible gold samples to avoid batch contamination.

Metal tags with the hole number and the depth of hole for the contained core interval. The boxes are placed in racks outside for future reference. The unmineralized sections of the drill holes with no samples are stacked on wooden pallets to save core rack space. The samples are placed in plastic pails, a lab work order is prepared and the samples are delivered by truck to Swastika Laboratories Ltd.

The primary lab for the AK samples is Swastika Laboratories Ltd, Swastika, Ontario. All samples were assayed by geochemical methods using atomic absorption spectrometer for Au ppb (1AT). Samples assaying equal or greater than 1 g/t Au were reassayed with gravimetric finish using a second pulp from the reject. (See Appendix IV for sample preparation and assaying procedures)

7.0 DRILL RESULTS

Some drilling difficulties were encountered during the program. Drill holes did not deviated and flatten in the same fashion as previous drilling probably due to the steeper than usual collar dip. Some holes deviated too fast to the west while others did not deviate enough. The first did not flatten as planned and deviated too far to the west. Directional drilling methods failed to work so a second hole was collared. The second hole flattened as planned but did not deviate to the west as planned and therefore it reached the target area 300 m to the east of its planned target area.

Details of the drilling results are as follows:

Hole AK07-01 was flattening and deviating rapidly to the west when it was abandoned at a depth of 270 m.

Hole 1 (**Hole AK07-01A)** was restarted with a bearing 5 degrees to the east of hole AK07-01. Hole AK07-1A was stopped at a depth of 1152 m because the hole was not flatting as planned and would have undershot the target. Hole AK07-01A was wedged at 1080 m and **Hole AK07-1B** was drilled to 1497 m. This hole deviated to the west and was stopped at 1497 m. Hole AK07-01B was wedged at 1162 m and labeled **Hole AK07-1C**. This hole started to flatten slowly but it still deviated too far to the west. It was decided to continue the hole to test for the down dip extension of the SMC gold zones further to the south than originally planned.

Hole AK07-1A, B, C intersected unaltered to very weakly altered mudstones, greywackes and conglomerates to a depth of 913.5 m except for a 74 m wide section of weakly ankeritic trachytic tuffs from 106-180 m. An 8.6 m wide fault zone was intersected from 913.5-922.1 m. This fault may be the down dip extension of the AK fault or the Hutton fault. A one metre sample with trace pyrite in this fault zone assayed 1.6 g/t Au. Below this fault the hole cut unaltered pristine conglomerates and greywackes to 1703.9 m. At this elevation, a 27.5 m thick weakly ankeritic syenite porphyry with up to 1% fine to medium disseminated pyrite was intersected. A 11 m section of this porphyry returned very weakly anomalous gold assays (0.02 to 0.90 g/t Au, average 0.25 g/t Au over11 m). Using a shallow 30 degree south dip, this weakly anomalous zone projects up-dip at 30 degrees to the SMC and may represent the SMC zone 600m to the southeast? Unaltered conglomerates and greywackes were intersected to 1890.5 m. From 1890.5-1906.4, a 15.9 m thick syenite porphyry was intersected which assayed nil gold. The hole continued in weakly ankeritic and sericitic greywackes and mudstones to 2269.8 m. At this point weakly altered syenite and narrow trachytic tuffs were encountered to the end of the hole at 2314 m which was the maximum depth capabilities of the drill for a steeply dipping drill hole.

A wedge **AK08-1D** was set at 1372 m. International Directional Drilling Services were contracted to use "Navi Drilling" equipment to flatten the dip of hole AK07-01C to get a cut up dip and to the east of weakly anomalous altered syenite porphyry zone. Although the directional drilling was successful in flattening the hole by 10 degrees, the hole deviated 20 degrees to the west towards the western boundary of the property instead of to the northwest corner. The hole was allowed to continue get a second cut of the altered porphyry. An altered syenite porphyry with trace to 1% pyrite and 5-7% quartz-ankerite veining was intersected from 1699.8-1715.1 m but assayed nil gold. Correlating this porphyry with the porphyry in hole AK07-1C gives an apparent dip of 40-45 degrees to the south. Syenite porphyry with trace pyrite and assaying trace to nil gold, were encountered at 1773.1-1800.1 m and 1839.3-1847.3 m. At 1917.8 m, the hole intersected weakly altered syenite porphyry with trace pyrite. The hole was stopped in this porphyry at 2202 m as it appeared that the hole was drilling along strike or down dip of an east-west striking steeply dipping intrusive.

Hole AK08-02 was collared at the same location as hole AK07-1 but with an azimuth 15 degrees to the east and a dip 10 degrees flatter. This hole flattened as planned but did not deviate to the west like the first hole, therefore hole 2 ended 300 m east of the planned target area. The hole intersected unaltered conglomerates, greywackes and mudstone locally interbedded with trachyte tuffs. A diabase dyke, similar to diabase dyke intersected at shallow depths along the Hunton Break, was intersected from 609.3-833.7 m. the hole. At the lower contact a 5 cm quartz-calcite vein with 5% chalcopyrite and pyrite was intersected which assayed 0.03 g/t Au. The following one metre of chloritic conglomerate assayed 12.0 g/t Au. This interval was quartered to check for a possible sampling error. The quarter core samples returned assays of 0.1 g/t Au for the quartz zone and 2.9 g/t Au for the chloritic conglomerate which suggests that the original sampling was alright. From 833.7-884.0, 1067.7-1104.7 conglomerates were encountered intruded by diabase from 884.0-1067.7 m and 1104.7-1161.4 m. It appears

the hole is cutting in and out of a northerly striking dyke from an east west dyke a scenario which has been mapped on surface near the Hunton shaft. From 1161.4-1753.2 m the hole was in unaltered conglomerate, greywackes and mudstones cut by narrow quartz-ankerite vein zones with trace pyrite and nil to trace gold. Then the hole cut a 119.2 m thick weakly ankeritic syenite porphyry with trace pyrite and nil gold. From 1943.4-1998.0 m trachytic tuffs, lapilli tuffs and sericitic mudstones were intersected with two 10 m wide quartz-ankerite vein zones. Samples from 1964-1965 m, and 1973-1974.75 m assayed 0.14 g/t Au. The hole was in relatively unaltered greywacke to the northern boundary of the property at 2130 m. The trachyte tuff interval was interpreted to be the eastern strike extension of the host rocks for the SMC.

A wedge, **AK08-02W1** was set at 1692 m to get a second cut of the weakly anomalous tuff unit in hole 2. A 99.3 m weakly altered syenite porphyry was encountered at 1751.9 m. The altered trachyte tuff unit was intersected from 1939.5-1962.8 m which gives it an apparent dip of 45 degree to the south. A quartz-ankerite zone in a fault/mylonite zone with up t0 3% pyrite and trace chalcopyrite assayed 0.20 g/t Au over 6.8 m. The shear fabric core angles indicate 80-85 degree northerly dip.

A second wedge, **AK08-02W2** was set at 1496 m to get a cut further to the west. The altered syenite porphyry was intersected from 1648.4-1689.6 m which would give it an apparent 80 degree north dip. Below the syenite porphyry, the geology was significantly different than AK08-02W1. Zones of brecciated silicified sericitic mudstones and greywackes with anomalous quartz-carbonate veining and traces of pyrite were intersected. Five anomalous gold zones were encountered assaying 1.3-1.5 g/t Au over core lengths of 1.0-3.0 m. Also an 11.6 m diabase dyke was intersected at 1830.7 m. A strongly silicified fractured silicified greywacke (?) with trace pyrite was intersected at 1889.3-1902.0 m. Core recovery was less than 10% and the hole had to be abandoned before the lower contact of the silicified zone was reached. The best assay from this zone was 2.2 g/t Au over 1.0 m.

A third wedge, **AK08-02W3** was set at 1600 m to get an up-dip cut of the silicified zones in wedge AK08-02W2. This wedge is above and west of the second wedge, (see sections and plan). The syenite porphyry was intersected at 1634.9-1671.7 m and the diabase dyke at 1777.3-1787.9 m. The geology below the diabase dyke was significantly different than in wedge AK08-02W2, with altered syenite and mafic syenite porphyry intersected versus altered sediments. Silicified deformed quartz-calcite zones with 1-2% pyrite assayed 2.3 g/t Au over 7.3 m at the upper contact of the diabase dyke. In an altered potassic/hematitic silicified mafic syenite porphyry a mineralized zone with visible gold was intersected from 1838.25-1846.30 (8.05 m) which averaged 6.9 g/t Au over 8.05 m including 96.5 g/t Au over 0.5 m. Metallic check assaying of this zone averaged 4.6 g/t Au over 8.05 m including 46.3 g/t Au over 0.5 m. At 1935.0 m, the hole was still in altered syenite porphyry at the northern boundary of the property.

A fourth wedge, **AK08-02W4** was set at 1546 m to get another cut of the anomalous gold zones intersected in the 2nd and 3rd wedges. This fourth wedge is about half way between the second and third wedge. The syenite porphyry was intersected from 1632.3-1680.9 m

and the diabase dyke from 1780.2-1781.3 m and 1802.2-1823.3 m. Altered brecciated sericitic quartz-carbonate veined and pyritic mudstones and greywackes were intersected near the upper contacts of the diabase dykes with a best assay of 0.8 g/t Au over 2.0 m. Altered syenite and mafic syenite porphyry with pyritic quartz-carbonate zones were intersected from 1823.3 to the end of the hole at 1941.0 m. A quartz vein zone with visible gold and 8% pyrite was intersected from 1841.85-1843.30 m and assayed 18.3 g/t Au over 1.45 m. A second pyritic quartz vein zone from 1938.7-1941.0 m averaged 30.5 g/t Au over 2.3 m, (31.8 g/t Au over 2.3 m check assays) . Scattered 0.4-1 m wide quartz zones in the altered syenite porphyry assayed 1.0-2.2 g/t Au.

8.0 DISCUSSION OF DRILL RESULTS

Hole AK07-1C and 1D intersected 600 m southeast of the SMC, very weakly mineralized syenite porphyries which may form part of the SMC, but due to the long distance and limited data, this interpretation is speculative at this time.

Wedged holes AK08-02W2, W3 and W4 intersected anomalous gold mineralization approximately 300 m east of SMC on the South Claims QMI-KLGold JV including an possible ore grade intercept of 31.5 g/t Au over 2.3 m in AK08-02W4. This mineralization appears to be associated with a steeply 80 degree north-dipping structure striking 060-070 degrees. The majority of mined gold zones in Kirkland Lake strike 065 and dip 50-80 degrees to the south. Further exploration is required to determine the relationship of the AK mineralized structures with the SMC.

9.0 CONCLUSIONS and RECOMMENDATIONS

The 2007-2008 surface deep drilling program was successful in locating the eastern strike extension of the SMC on the Amalgamated Kirkland property. Additional deep drilling to the west of the hole AK08-02W3 is recommended to further explore the SMC.

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Wayne R. Benham
September 15, 2009

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DRILL REPORT
2007-2008 DRILL PROGRAM
AMALGAMATED KIRKLAND PROPERTY
KIRKLAND LAKE, ONTARIO
LARDER LAKE MINING DIVISION
NTS 42-A-01

APPENDIX I

DIAMOND DRILL LOGS

DRILL REPORT
2007-2008 DRILL PROGRAM
AMALGAMATED KIRKLAND PROPERTY
KIRKLAND LAKE, ONTARIO
LARDER LAKE MINING DIVISION
NTS 42-A-01

APPENDIX II

ASSAY CERTIFICATES

DRILL REPORT
2007-2008 DRILL PROGRAM
AMALGAMATED KIRKLAND PROPERTY
KIRKLAND LAKE, ONTARIO
LARDER LAKE MINING DIVISION
NTS 42-A-01

APPENDIX III

DRILL PLAN and CROSS SECTIONS

DRILL REPORT
2007-2008 DRILL PROGRAM
AMALGAMATED KIRKLAND PROPERTY
KIRKLAND LAKE, ONTARIO
LARDER LAKE MINING DIVISION
NTS 42-A-01

APPENDIX V

SWASTIKA LABORATORY LTD. PROCEDURES

Swastika Laboratories Ltd.
Sample Preparation & Assay Procedures

Department: Sample Preparation

Product/Process: Sample crushing, splitting and pulverizing

Document Owner: Swastika Laboratories Ltd.

Version	Date	Author	Change Description
SP-1	3.24.08	D. Chartre	

Purpose:

To produce pulp samples from customer drill core and chip samples meeting the following criteria:

- 90 – 95% of pulverized material passes through 100 mesh screen
- Final pulp sample weight of 300-400g

Applications:

Customer sample sizes up to 5kg. of varying material hardness and moisture content

Procedure:

1. Depending on the moisture content of the customer sample, the sample is either air dried or oven dried in a clean metal pan prior to crushing.
2. The dried sample is passed through a jaw crusher and then through a rolls crusher to arrive at a prepared sample of 6 – 10 mesh. The mesh size depends on the hardness and texture of the rock material. The crushed material is split successively in a riffle divider to arrive at a subsample of 300 – 400g. The subsample is placed in a labeled manila envelope for pulverizing.

3. The subsample is pulverized in a ring & puck pulverizer for sufficient time enabling 90 – 95% of the material to pass through a 100 mesh screen. Methyl hydrate is added to the sample prior to pulverizing to prevent clumping.
4. The pulverized material from the bowl, ring and puck is carefully brushed onto a rubber mat from which it is poured back into the labeled manila envelope.

Precautions:

5. The crushers are cleaned with compressed air after each sample pass. Barren material is crushed subsequent to each customer run to minimize sample contamination.
6. Compressed air is used to clean the riffle divider after the final split of each sample.
7. Compressed air is used to clean the bowl, ring, puck and rubber mat after each sample is pulverized.
8. A screen test is performed on pulverized samples at the beginning of each shift, or more frequently when material hardness is in question, to ensure particle size remains within prescribed limits.

Swastika Laboratories Ltd.
Gold Assay Procedures

Department: Wet Chemistry & Instrument Laboratories

Product/Process: Gold assays

Document Owner: Swastika Laboratories Ltd.

Version	Date	Author	Change Description
GA-1	3.24.08	D. Chartre	
		P. Chartre	

Purpose:

Assay of precious metal beads from the cupel furnace for gold content using atomic absorption spectrometry or gravimetric techniques.

Applications:

Drill core and rock samples said to contain gold and other precious metals

Materials:

Porcelain cups
Watch glasses
Aqua regia
Nitric acid
Distilled water
Element standards and blanks

Procedure:

The gold bead is carefully removed from the cupel and placed in a porcelain cup containing parting acid (7:1 concentration of nitric acid and distilled water). The contents are heated in a hot water bath and the solution is thereafter decanted. The bead is dried in a hot water bath and a visual assessment is made to proceed with either a gravimetric technique or an atomic absorption spectrometry technique.

Gravimetric Technique

9. Gold bead is carefully removed from the porcelain cup and weighed using a micro balance.
10. The gold calculation is based on a sample amount of 29.166g

Atomic Absorption Spectrometry Technique

1. The gold bead is dissolved in 5ml of aqua regia (40% concentration) in a porcelain cup and then allowed to cool to room temperature.
2. The solution is analyzed by an atomic absorption spectrometer and the readings are used to determine the gold content results.

Precautions:

- 10% of samples are re-assayed as part of our internal quality control procedures

PROPERTY: AMALGAMATED KIRKLAND			HOLE NUMBER AK08-02W4					
Province:	Ontario	**DATE LOGGED:** Nov 3- Dec 14, 2008	**Grid:**	**7600 E**	**Method**	**Depth**	**Az**	**Dip**
Township	Teck	**LOGGED BY:** FR Ploeger		10080 N	Compass	Collar		
Started:	02-Nov-08	**DRILLED BY:** Benoit Diamond Drilling	**UTM:**	**569788 E**	reflex	1761	329.7	-49.1
Completed:	14-Dec-08	**UNITS:** Metres	**NAD 83**	**5330703N**		1800	331.8	-47.7
CORE SIZE:	NQ	**CORE LOCATION:** Upper Canada	**ELEV :**	**337 m**		1842	331.7	-45.6
			LENGTH:	395 m		1899	327.3	-43.4
		Location: leased clm 328 (106667)	**DEPTH:**	**2226** m		**1941**	**344.5**	**-42.2**
PURPOSE:								
			Depth	**Az**	**Dip**			
COMMENTS:			1563	323.6	-61.2			
			1593	324.6	-56.3			
			1605	328.8	-55.0			
			1638	327.8	-53.3			
			1662	326.6	-53.7			
			1680	326.1	-51.0			
			1701	326.8	-52.8			
			1731	331.2	-50.9			
SUMMARY LOG		**AK08-02W4**						

From	To	Lithology	From	To	Metres	Au g/t		
0.00	3.75	OVB						
3.75	46.50	S1/ V4V9						
46.50	201.80	S3						
201.80	211.85	S1						
211.85	355.20	S3						
355.20	388.75	S1						
429.00	460.90	V9V4						
460.90	469.00	S3						
469.00	499.35	S1V4						
499.35	510.95	S7						
510.95	528.10	S1						
528.10	548.90	S3/ S1/ S7						
548.90	555.00	S7						
555.00	591.00	S3						
591.00	599.80	S1						
599.80	606.00	S3						
606.00	609.25	V4						

609.25	833.70	3D						
833.70	884.00	S1						
884.00	1067.65	3D						
1068.65	1104.70	S1						
1104.70	1158.00	3D						
1158.00		EOH						
		Wedge						
1153.70	1161.35	3D						
1161.35	1190.06	S3						
1190.06	1446.00	S1						
1446.00		WEDGE						
1442.30	1443.50	WEDGE CUT/ S1						
1443.50	1464.06	S1						
1464.06	1469.25	CARB						
1469.25	1485.40	S1						
1485.40	1496.00	S3						
	1496.00	**WEDGE**						
1496.00	**1500.00**	**S3**						
1500.00	**1511.75**	**S1**						
1511.75	**1526.75**	**S3/ S7**						
1526.75	**1549.73**	**S7**						
1549.73	**1591.00**	**S3**						
	1546.00	**WEDGE**						
1546.00	**1547.90**	**WEDGE CUT/ S3**						
1547.90	**1592.15**	**S3**						
1592.15	**1601.46**	**S1**						
1601.46	**1608.80**	**S3**						
1608.80	**1623.70**	**S1**						
1623.70	**1632.65**	**S3**						
1632.35	**1650.75**	**1Sa**						
1646.00		**Wedge**						
1646.00	**1647.80**	**Wedge Cut/ 1Spa**						
1647.80	**1680.95**	**1Sa**						
1680.95	**1689.00**	**S3**						
	1686.00	**Wedge**						
1684.00	**1685.80**	**Wedge Cut**						
1685.80	**1745.50**	**S3/ S2**						
1745.50	**1773.45**	**S7/ BX**						
1773.45	**1780.20**	**CARB**						

1780.20	**1781.35**	**3D**						
1781.35	**1792.50**	**CARB/ DZ**						
1792.50	**1802.16**	**S3/ DZ**						
1802.16	**1823.30**	**3D/ MT/ V9**						
1823.30	**1827.30**	**SZ/ 1S**						
1827.30	**1866.50**	**1Sp**						
		1841.85- 1843.30 : QVZ (VG)	**1841.85**	**1842.55**	**1.45**	**10.31**		
1866.50	**1870.10**	**1SMa**	1864.95	1865.35	0.40	2.21		
1870.10	**1896.70**	**1Spa**	1869.20	1870.10	0.90	1.65		
1896.70	**1905.85**	**1SMa**	1889.00	1890.00	1.00	1.03		
1905.85	**1918.35**	**1Spa**	1901.10	1901.80	0.70	1.56		
1918.35	**1941.00**	**1SMa**						
		1938.70- 1941.00 : Py zone/ QVZ	**1938.70**	**1941.00**	**2.30**	**31.76**		
1941.00		**EOH**						

Sample	**Numbers**	**Certificates**						
65151	65153	8W-3192-RG1 (Nov 12/ 08)						
65154	65166	8W-3260-RG1 (Nov 18/ 08)						
65167	65172	8W-3282-RG1 (Nov 20/ 08)						
65173	65203	8W-3379-RG1 (Dec 3/ 08)						
65204	65218	8W-3480-RG1 (Dec 10/ 08)						
65237	65309	8W-3481-RG1 (Dec 11/ 08)						
65310	65362	8W-3503-RG1 (Dec 17/ 08)						
65357	65362	#24056 (Checks- Laboratoire Expert) (Jan 30/ 09)						

DESCRIPTION (Hole no AK08-02W4)							Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Dip	Desc	Sample Number	From	To	Length	Au g/t	Au Chk
0.00	3.75	OVB										
3.75	46.50	S1/ V4V9										
46.50	201.80	S3										
201.80	211.85	S1										
211.85	355.20	S3										
355.20	388.75	S1										
429.00	460.90	V9V4										
460.90	469.00	S3										
469.00	499.35	S1V4										
499.35	510.95	S7										
510.95	528.10	S1										
528.10	548.90	S3/ S1/ S7										
548.90	555.00	S7										
555.00	591.00	S3										
591.00	599.80	S1										
599.80	606.00	S3										
606.00	609.25	V4										
609.25	833.70	3D										
833.70	884.00	S1										
884.00	1067.65	3D										
1068.65	1104.70	S1										
1104.70	1158.00	3D										
1158.00		EOH										
		Wedge										
1153.70	1161.35	3D										
1161.35	1190.06	S3										
1190.06	1446.00	S1										
1446.00		WEDGE										
1442.30	1443.50	WEDGE CUT/ S1										
1443.50	1464.06	S1										
1464.06	1469.25	CARB										
1469.25	1485.40	S1										
1485.40	1496.00	S3										
	1496.00	**WEDGE**										
1496.00	**1500.00**	**S3**										
1500.00	**1511.75**	**S1**										
1511.75	**1526.75**	**S3/ S7**										
1526.75	**1549.73**	**S7**										
1549.73	**1591.00**	**S3**										
	1546.00	**WEDGE**										
1546.00	**1547.90**	**WEDGE CUT/ S3**										
		The cut tapers from 1546.60' where it begins as a thin plate and widens to the full width of the core by the end within a fine grained wacke.										
1547.90	**1592.15**	**S3**										
		The wedge is collared in a massive, granular textured, fine grained to gritty wacke unit that is light yellowish/ buff green where mildly to moderately pervaded with sericite and carbonate (ankerite) grading to medium greyish green coloured where fresher. The alteration does no appear to be directly related to any of the veining which comprises 2- 3% white ankerite fractures, veinlets and stringers that transect the core at various angles. It is non magnetic but contains fine red jasper grains which are typical to the										

DESCRIPTION (Hole no AK08-02W4)							Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Dip	Desc	Sample Number	From	To	Length	Au g/t	Au Chk
		Timiskaming sediments. Sulphides consist of trace scattered fine pyrite (Py) grains. There are gradations										
		into 10% light yellow/ buff bleached (sericite- ankerite altered) areas and 2- 4% lenses of very fine grained										
		mudstones.										
			4	tr			65151	1578.25	1579.25	1.00	0.01	-
		1579.25- 1580.55 : CARB	15	tr			65152	1579.25	1579.65	0.40	0.01	-
		Well altered/ bleached zone in the wacke/ mudstone that has been ankeritized and sericitized to a light	2	tr			65153	1579.65	1580.55	0.90	0.01	-
		dull yellow colour. It appears that the altered zone may extend downwards from a 1.5 cm ankerite- quartz										
		stringer @ 65 DTCA at the start of the interval. Sulphides amount to trace overall but a few splashes of Cp										
		were noted in the vein.										
1592.15	**1601.46**	**S1**										
		There is a change at a 1cm chlorite- ankerite slip (that is preceded by 15cm of 40% ankerite veining) @										
		20 DTCA, to a pebbly unit in which most of the clasts are smaller then 3cm and bean shaped although an										
		8cm clast was noted. They are polymict, the compositions defined by colours which range from light to										
		dark green, shades of buff to pale yellows, black, light to medium orange/ beige, and bright red (jasper),										
		and, rounded in shape. In most places, they are clast supported with local fine grained to gritty wacke										
		matrix. The unit is non magnetic, weakly pervaded with ankerite, poorly veined (0.5%) and mineralized										
		(trace).										
1601.46	**1608.80**	**S3**										
		Change to a wacke dominated unit that is described as massive, granular textured, medium/ dark										
		yellowish to greenish grey coloured, and fine grained with gritty lenses and a bleached zone near the end.										
		The matrix is pervaded with ankerite and sericite, non magnetic, and cut by 1% irregular gashy white										
		carbonate fractures and veinlets outside of the bleached zone. Mineralization consists of trace very fine										
		grains of disseminated Py.										
			6	tr			65154	1606.50	1607.50	1.00	0.02	0.01
		1607.53- 1608.80 : CARB	5	tr			65155	1607.50	1608.80	1.30	0.01	-
		The trailing section of the wacke has been strongly altered/ bleached to a light greenish yellow colour	2	tr			65156	1608.80	1609.75	0.95	0.02	0.02
		through sericite- ankerite alteration while maintaining the fine grain size, granular texture and massive										
		nature. It starts on a sharp contact @ 40 DTCA and ends gradually but does not appear to be focussed										
		around a structure. It is mineralized with trace Py.										
1608.80	**1623.70**	**S1**										
		Gradational contact into a fine conglomerate in which the clasts range up to 6cm (but are mostly <3cm),										
		and tend to be subrounded and elongated in an imbricated, clast supported texture that roughly parallels										
		the veining @ 35 DTCA.. The various colours indicate a polymict provenance, including red jasper, within										
		a gritty to fine grained wacke matrix. It is non magnetic, moderately pervaded with ankerite, weakly										
		pervasively sericitic, and veined with 2- 3% dull white veinlets and stringers of ankerite and quartz.										
		Mineralization comprises trace fine grains of Py and Cp.										
1623.70	**1632.65**	**S3**										
		The hole re-enters a wacke unit similar to that described above, massive, fine grained, granular textured,										
		and light brownish grey coloured. It contains a few random scattered clasts and local gritty lenses. It is										
		non- weakly magnetic, moderately pervaded with ankerite, veined with 1% dull white ankerite and black										
		specularite- chlorite fractures and veinlets. Sulphides comprise trace fine scattered grains of Py.										
			6	tr			65157	1631.00	1631.90	0.90	0.02	-
1632.35	**1650.75**	**1Sa**	2	tr			65158	1631.90	1632.65	0.75	NIL	-
		Somewhat diffuse/ obscured contact but relatively well defined @ 30 DTCA into a well altered and	2	tr		1Sa	65159	1632.65	1633.00	0.35	0.01	-
		microfractured syenite (porphyry?) that is characterized by a medium grain size/ texture with hints ,	2	tr		1Sa	65160	1633.00	1634.00	1.00	NIL	-
		massive nature with a fine crackle fractured surface, and, light/ medium greyish beige/ pink colouration. It	2	tr		1Sa	65161	1634.00	1635.00	1.00	NIL	-

DESCRIPTION (Hole no AK08-02W4)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Dip	Desc	Sample Number	From	To	Length	Au g/t	Au Chk
		was found to be weakly pervaded with ankerite, non magnetic, and veined with 2- 3% carbonate/ chlorite	2	tr		1Sa	65162	1635.00	1636.00	1.00	NIL	-
		fractures and veinlets while mineralized with trace fine Py.	2	tr		1Sa	65163	1636.00	1637.00	1.00	NIL	-
			2	tr		1Sa	65164	1637.00	1638.00	1.00	NIL	-
		1641.75- 1644.00 : 1Sa/ S3a										
		There is a gradual change in colour to light brownish green/ grey into, and out of, this interval and also an										
		apparent fining of the grain size, but, there are no obvious contacts to suggest a change in lithology.										
		Veining increases to 16% creamy white irregular, diffuse ankerite veinlets and stringers to 5cm but										
		sulphides remain trace.										
		1644.00- 1650.75 : 1Sa(p)	20	tr		1Sa	65165	1643.00	1644.00	1.00	0.02	-
		Below the strongly altered segment, the syenite continues as described previously, massive, medium	4	tr		1Sa	65166	1644.00	1645.00	1.00	0.01	-
		greyish brown coloured and medium grained/ textured with hints of a porphyritic texture when viewed with	4	tr		1Sa	65167	1645.00	1646.00	1.00	0.01	-
		a lens. It remains weakly pervasively ankeritic, non magnetic, veined with 3- 5% creamy white ankerite	4	tr		1Sa	65168	1646.00	1647.00	1.00	0.04	0.03
		veinlets and stringers and poorly mineralized with trace sulphides. A few check samples were taken.	4	tr		1Sa	65169	1647.00	1648.00	1.00	0.02	-
1646.00		**Wedge**										
		A wedge was set on top of rubble at the bottom of the hole to deflect the hole west and down (240)..										
1646.00	**1647.80**	**Wedge Cut/ 1Spa**										
		The core tapers from a thin wedge to full core over the interval. in the altered syenite (porphyry)										
		described above.										
1647.80	**1680.95**	**1Sa**										
		The hole continues in well altered and finely microfractured syenite that is characterized by a medium										
		greyish brown colour, massive homogenous nature, and a medium grain size. With the aid of a lens, the										
		fine microfracturing and occasional hints of a porphyritic texture are also evident. It contains rare (0.5)										
		mafic inclusions, some of which are altered to green carbonate, and, is riddled with 4- 6%, dull white/										
		grey, irregular, ankerite/ quartz fractures and veinlets with the odd gashy vein. Mineralization consists of										
		trace Py grains.										
		1652.07- 1653.90 : MI										
		The nature of the protolith is uncertain although the leading contact is sharp @ 20 DTCA and the trailing										
		one, well defined, following an ankerite veinlet for 30cm along the core axis. The inclusion is fine grained,										
		massive, homogenous, and dark greyish green coloured, strongly resembling a mafic flow but possibly a										
		very fine grained sediment although it does not exhibit any bedding or granular features. Furthermore, it is										
		weakly magnetic, veined with a white ankerite fracture along the core axis (<0.5% veining), weakly										
		ankeritic, and, unmineralized. A similar 0.7m unit occurs 1.5m down hole immediately below a 6cm dry										
		ankerite- quartz- chlorite vein @ 45 DTCA.										
		1659.40- 1659.50 : FAZ	2	tr		1Sa	65170	1658.10	1659.20	1.10	NIL	NIL
		This is a weak structure composed of subparallel chlorite- carbonate slips @ 45/ 35 DTCA with minor	6	tr		1Sa	65171	1659.20	1659.80	0.60	NIL	-
		chlorite fracturing and trace sulphides. This was the focus of a check sample.	4	tr		1Sa	65172	1659.80	1661.00	1.20	0.01	-
1680.95	**1689.00**	**S3**										
		The hole exits the syenite with a sharp contact along a chlorite carbonate slip @ 30 DTCA and enters a										
		mixed fine to medium grained, granular textured sedimentary package that includes: very fine grained,										
		banded/ disrupted, light beigey olive coloured mudstone; fine to medium grained, massive, light olive pink										
		coloured (alkalic derived arkose; and, fine grained, massive, medium greyish green wacke. The various										
		facies are non magnetic, weakly pervaded with ankerite, veined with 2- 4% white ankerite fractures and										

DESCRIPTION (Hole no AK08-02W4)							Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Dip	Desc	Sample Number	From	To	Length	Au g/t	Au Chk
		veinlets, and, mineralized with trace fine Py.										
		1687.65- 1687.70 : FAZ										
		Weak chlorite- ankerite fracture zone @ 45/ 55 DTCA with gashy creamy white ankerite fracturing/ veining										
		and pale limey green alteration extending up hole for about 25cm. There are no anomalous sulphides										
		associated with the zone.										
	1686.00	**Wedge**										
		Time sheets indicate the wedge set at 1689m (see explanation below).										
1684.00	**1685.80**	**Wedge Cut**										
		The wedge was set at 1689 according to the driller time sheets but starts at 1684 and ends at 1685.8m										
		according to the blocks in the core. There may have been 3m of rubble at the base of the hole when the										
		wedge was set. The host comprises massive, light brown altered fine/ medium grained arkose/ wacke.										
1685.80	**1745.50**	**S3/ S2**										
		As the hole continues it duplicates the bottom 5m of the pilot hole, cutting through several metres of										
		massive, light brown altered fine/ medium grained arkose/ wacke that becomes light olive/ limey yellow										
		green coloured around 15% gashy ankerite- quartz fractures and veinlets between 1687.20- 1688.15m. It										
		then tracks into a typical wacke unit comprising a fine grained, granular texture that grades into gritty/										
		medium grained zones containing a few scattered clasts including jaspers. The colour migrates between										
		a medium/ dark green where relatively fresh/ unaltered to light greenish yellow and grey where moderately										
		to strongly sericitized and ankeritized. There is no immediate feature that controls the alteration although										
		the sericitized areas appear to coincide with increased (7%) diffuse patches of ankerite veining compared										
		with 3% where fresher. Sulphides run trace overall.										
		1712.25- 1712.50 : QCVZ/ FAZ	2	tr			65173	1711.20	1712.15	0.95	0.01	-
		Zone of chloritic fracturing with streaky/ gashy ankerite- quartz veining @ 45/ 25 DTCA mineralized with	20	tr	45/15	QCVZ	65174	1712.15	1712.65	0.50	0.01	-
		slightly anomalous Py and Cp grains and splashes.	2	tr			65175	1712.65	1713.40	0.75	0.01	-
		1724.33- 1724.35 : FAZ										
		Weak chlorite fracture zone @ 50 DTCA with some segmented quartz- ankerite vein material and sericite.										
		The FAZ and wall contain only trace fine Py.										
		1725.90- 1725.96 : FAZ										
		Another weak chlorite- gouge FAZ @ 30 DTCA which was recovered as a small pile of chips/ splinters.										
		1732.06- 1735.45 : S7										
		The interval contains 65% bands, lenses, streaks and laminae of very fine grained, light yellowish green to										
		medium grey green coloured mudstone. There appears to be both primary and tectonic disruption of the										
		bedding with most attitudes intact @ 55- 70 DTCA. Many of the bedding features are highlighted by										
		yellowish sericite, which combined with ankerite, also pervades the matrix. Secondary veining comprises										
		only 2% ankerite (- quartz) fractures veinlets and stringers while the interval is weakly mineralized with										
		trace fine Py.										
1745.50	**1773.45**	**S7/ BX**	5	tr			65176	1763.50	1764.25	0.75	0.30	-
		The hole now enters a unit dominated by mudstone that has been disrupted by primary slumping and	4	tr			65177	1764.25	1765.00	0.75	0.03	0.04
		fragmentation of semi consolidated sediment, forming a jumbled breccia type texture. The texture has	2	tr			65178	1765.00	1766.00	1.00	0.03	-
		been further enhanced by selective yellowish sericite alteration of beds/ laminae and fragments and	2	tr			65179	1766.00	1767.00	1.00	0.36	-

DESCRIPTION (Hole no AK08-02W4)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Dip	Desc	Sample Number	From	To	Length	Au g/t	Au Chk
		irregular patches of the matrix. Streaky/ shreddy/ gashy type ankerite (and minor calcite) veining (5%) and	12	tr			65180	1767.00	1768.00	1.00	**0.93**	**0.80**
		a weak foliation fabric (@ 40 DTCA) has further contributed to the brecciated and deformed aspects of	3	0.5			65181	1768.00	1769.00	1.00	**0.80**	**0.79**
		the host. There is anomalous to 1% fine Py associated with the ankeritic veining and alteration.	6	tr			65182	1769.00	1770.00	1.00	0.25	-
			1	tr			65183	1770.00	1771.00	1.00	0.03	-
			1	tr			65184	1771.00	1771.60	0.60	0.12	0.09
		1771.58- 1773.00 : CARB	0.5	tr		CARB	65185	1771.60	1772.50	0.90	0.20	-
		Zone of lensoid blebs and bands of pale greyish buff yellow ankerite @ about 20 DTCA with medium/ light	0.5	tr		CARB	65186	1772.50	1773.45	0.95	0.08	-
		greenish grey fractures that grades into 2 medium slate grey cataclastic(?) zones containing 10%										
		subrounded clasts of the carbonate. The interval is poorly mineralized with trace very fine grains of Py..										
1773.45	**1780.20**	**CARB**	7	tr		CARB	65187	1773.45	1774.60	1.15	0.04	-
		The interval comprises approximately 75% creamy pale buff to greyish yellow porcelainic style, fine	20	tr		CARB	65188	1774.60	1775.10	0.50	0.14	-
		grained, massive ankerite that is extensively sericite fractured and altered, generally at around 25- 45	3	tr		CARB	65189	1775.10	1776.00	0.90	0.04	-
		DTCA. It is cut by 8% late white quartz- carbonate streaks and veins and mineralized with trace fine	0.5	tr		CARB	65190	1776.00	1777.00	1.00	0.12	-
		sulphides. The leading contact seems to form a natural gradation from the mudstone leaving the	10	tr		CARB	65191	1777.00	1778.00	1.00	0.01	-
		impression that this unit may form a primary carbonate sediment.	0.5	tr		CARB	65192	1778.00	1779.00	1.00	0.03	-
			0.5	tr		CARB	65193	1779.00	1780.20	1.20	0.02	-
1780.20	**1781.35**	**3D**	0.5	tr			65194	1780.20	1781.35	1.15	0.02	0.02
		For lack of a better term, the protolith is identified as an odd type of diabase or mafic intrusive which is										
		characterized by well defined contacts @ 70/ 30 DTCA, a dark grey colour mottled with blebby/ patchy										
		medium yellowish grey carbonate, a fairly massive nature, a medium to coarse grain size, lack of veining										
		(<0.5%) and mineralization (trace). Because of the patchy overprinted carbonate alteration and the strong										
		alteration of the dike it is assumed to have been an early intrusive.										
1781.35	**1792.50**	**CARB/ DZ**	0.5	tr		CARB	65195	1781.35	1782.00	0.65	0.04	-
		The hole re-enters another ankerite rich unit similar to that above at 1773.45m, but interbedded with	0.5	tr		CARB	65196	1782.00	1783.00	1.00	0.06	-
		wacke and more strongly deformed. The wacke tends to be medium/ dark greyish green coloured, fine	0.5	tr		CARB	65197	1783.00	1784.00	1.00	0.03	-
		grained and faintly granular textured while the carbonate is fine grained, porcelainic textured and creamy	0.5	tr		CARB	65198	1784.00	1785.00	1.00	0.02	-
		light yellowish/ buff to greenish grey coloured. Both are well sericite/ chlorite/ carbonate fractured to	0.5	tr		CARB	65199	1785.00	1786.00	1.00	0.08	-
		foliated with the crushing better displayed in the lighter coloured carbonate with the overall, the fracturing	0.5	tr		CARB	65200	1786.00	1787.00	1.00	NIL	-
		and foliation fabrics appearing to trend @ about 25- 30 DTCA. Mineralization comprises trace fine Py	0.5	tr		CARB	65201	1787.00	1788.00	1.00	0.01	0.01
		grains. Apart from the fracturing, secondary veining is negligible.	0.5	tr		CARB	65202	1788.00	1789.00	1.00	0.02	-
			0.5	tr		CARB	65203	1789.00	1790.00	1.00	0.01	-
		1786.00- 1787.80 : S3/ MI	0.5	tr		CARB	65204	1790.00	1791.00	1.00	0.02	0.03
		There is a fine grained, massive, medium greyish green coloured, relatively undeformed wacke or mafic	15	tr		CARB	65205	1791.00	1791.75	0.75	0.02	-
		dike. With faint indications of a granular texture, it is more probably a raft of wacke that behaved as a	0.5	tr		CARB	65206	1791.75	1792.50	0.75	0.03	-
		more resistant block to the deformation. The bounding contacts are well defined @ 35/ 40 DTCA.										
		1991.00- 1992.50 : S3										
		There is a subtle decrease in the fractured ankerite flooding into a moderately carbonatized, fine/ very fine										
		grained, medium/ light greyish green coloured, fairly massive wacke(?). The protolith is fractured into										
		ovoid shaped fragments resembling clasts with the fabric trending @ about 40 DTCA.										
1792.50	**1802.16**	**S3/ DZ**	3	tr			65207	1792.50	1793.65	1.15	0.03	-
		There is a brief hiatus of fairly massive, non deformed, fine/ very fine grained, granular textured, light	3	tr			65208	1793.65	1794.80	1.15	0.49	0.45
		greenish grey coloured wacke to 1794.30m before the core becomes tectonically deformed through	3	tr			65209	1794.80	1796.00	1.20	0.03	-
		fracturing and crushing and accompanying sericite/ calcite alteration. In the deformed zone, the wacke is	3	tr			65210	1796.00	1797.00	1.00	0.18	-
		mottled in shades of light yellowish green to grey and extensively fractured with chlorite and sericite	5	tr			65211	1797.00	1798.00	1.00	0.11	-
		fillings. In addition, there appears to be a microfracturing that has allowed the infusion of calcite into the	6	tr			65212	1798.00	1799.00	1.00	0.47	-

DESCRIPTION (Hole no AK08-02W4)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Dip	Desc	Sample Number	From	To	Length	Au g/t	Au Chk
		matrix. There is a distinctive darkening of the host to a mottled dark greyish green colour from 1798.80m	6	tr			65213	1799.00	1800.00	1.00	0.39	0.36
		to the end. Secondary veining, consisting of 3% gashy calcite- quartz stringers and veins, occurs mainly in	15	tr			65214	1800.00	1801.00	1.00	0.35	-
		the darker lower portion while sulphides run trace overall.	8	tr			65215	1801.00	1802.15	1.15	**0.93**	**0.93**
1802.16	**1823.30**	**3D/ MT/ V9**	2	tr			65216	1802.15	1803.00	0.85	0.02	-
		There is an abrupt change @ 35 DTCA into a dark green grey coloured, fine grained, massive, relatively	4	tr			65217	1803.00	1804.00	1.00	0.07	-
		homogenous mafic unit that has the appearance of a basalt/ mafic flow but appears to exhibit granular but	2	tr			65218	1804.00	1805.00	1.00	0.08	-
		angular (immature) textures in places with coarsening of grain size in pod like features.. In addition, the										
		tectonic fracturing stops at the contact and does not continue into the unit and, apart from a 1.5m										
		segment at 1908m which is weakly magnetic, the entire unit is non magnetic. Its position is that of the										
		diabase logged in previous holes and is therefore considered as diabase or possible mafic tuff. It is cut by										
		2- 4% fine calcitic fractures and veinlets and mineralized with trace to slightly anomalous Py.										
		1821.15- 1822.75 : BBC										
		The core is broken up into small pieces with two short sections of splintering in well fractured areas.										
		1822.75- 1823.30 : FAZ										
		The host becomes weakly sheared with mud slips suggesting a FAZ @ 20 DTCA with a trailing 3mm mud										
		slip @ 18 DTCA.										
1823.30	**1827.30**	**SZ/ 1S**	2	2	2	SZ	65237	1823.30	1824.20	0.90	0.05	-
		This may be an albitized / silicified zone although it is impossible to determine the nature of the protolith.	2	2	2	SZ	65238	1824.20	1825.25	1.05	0.16	-
		Overall, it is medium yellowish grey green coloured, massive but cloudy/ puffy textured, hard (will not	2	2	2	SZ	65239	1825.25	1826.20	0.95	0.2	0.18
		scratch easily) and medium grained with hints of a porphyritic type texture faintly visible with a lens. It is	4	2	2	SZ	65240	1826.20	1827.30	1.10	0.3	-
		non magnetic, non reactive to carbonate testing, and poorly veined with 1-2% late gashy creamy orange										
		carbonate and minor quartz veinlets and stringers. The unit is mineralized with 1- 3% fine disseminated										
		Py grains and clusters.										
1827.30	**1866.50**	**1Sp**	4	0.5		1Spa	65241	1827.30	1828.00	0.70	0.09	-
		An irregular shallow contact @ 20 DTCA leads into an altered syenite (porphyry) unit that is characterized	6	tr		1Spa	65242	1828.00	1829.00	1.00	0.07	-
		by a grungy medium greyish orange colour, massive nature, medium grained texture with hints of feldspar	2	tr		1Spa	65243	1829.00	1830.00	1.00	0.02	-
		phenocrysts visible with the aid of a lens, and moderate sericite/ chlorite fracturing and microfracturing. In	2	tr		1Spa	65244	1830.00	1831.00	1.00	0.02	-
		addition to the fine fractures, the interval is intersected by 7- 10% irregular dull grey to purple grey quartz (	4	tr		1Spa	65245	1831.00	1832.00	1.00	0.01	-
		carbonate) veinlets, stringers and vein zones. The matrix was found to be non reactive to weakly calcitic	15	tr		1Spa	65246	1832.00	1833.00	1.00	0.02	-
		(microfractures) and non magnetic. Mineralization averages trace overall but some fractures and vein	8	tr		1Spa	65247	1833.00	1834.00	1.00	0.02	-
		networks are mineralized with trace to 7% grains and crystals (clumps) of Py and dendritic masses and	8	tr		1Spa	65248	1834.00	1835.00	1.00	0.02	-
		splashes of Cp. Details are broken out below.	12	tr		1Spa	65249	1835.00	1836.00	1.00	0.01	-
			12	tr		1Spa	65250	1836.00	1837.00	1.00	0.01	-
		1841.85- 1843.30 : QVZ (VG)	7	tr		1Spa	65251	1837.00	1838.00	1.00	0.01	-
		Zone of 65 % mottled, dull grey, diffuse, quartz vein material and silicification that exhibits crude internal	8	tr		1Spa	65252	1838.00	1839.00	1.00	0.01	-
		vein orientations @ 35/ 40 DTCA and a bounding contact @ 20 DTCA. Unusually, the vein is mineralized	3	0.5		1Spa	65253	1839.00	1840.00	1.00	0.03	-
		with 3- 8% dendritic masses and splashes of Cp along with clumps of Py grains/ crystals. Scattered within	7	0.5		1Spa	65254	1840.00	1841.00	1.00	0.02	-
		the Cp masses and throughout the entire quartz vein material are numerous fine smears and pinpricks of	15	0.5		1Spa	65255	1841.00	1841.85	0.85	**0.69**	-
		visible gold.	50vg	10		QVZ	65256	1841.85	1842.55	0.70	**10.35**	**11.07**
							65257		blank		NIL	-
		1846.70- 1846.80 : QVZ	80vg	6		QVZ	65258	1842.55	1843.30	0.75	**26.81**	**24.00**
		2cm dull grey quartz stringer @ 25 DTCA with pink K spar fractures and 5% splashes of Cp.					65259		blank		0.02	-
			8	0.5		1Spa	65260	1843.30	1844.00	0.70	0.31	-
		1854.90- 1856.10 : QVZ	15	tr		1Spa	65261	1844.00	1845.00	1.00	0.35	-

DESCRIPTION (Hole no AK08-02W4)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Dip	Desc	Sample Number	From	To	Length	Au g/t	Au Chk
		Zone bounded by 2- 3cm quartz stringers and containing approximately 20% dull and purplish grey quartz	3	tr		1Spa	65262	1845.00	1846.00	1.00	0.21	-
		overall. The stringers all trend roughly @ 20/ 30 DTCA and are mineralized with trace to 3% splashes of	7	0.5		1Spa	65263	1846.00	1847.00	1.00	0.04	-
		Cp and grains of Py.	2	tr		1Spa	65264	1847.00	1848.00	1.00	0.01	-
			4	tr		1Spa	65265	1848.00	1849.00	1.00	0.01	-
		1864.95- 1865.35 : QVZ	3	tr		1Spa	65266	1849.00	1850.00	1.00	0.02	-
		Another zone of 75% dull grey grungy veining @ 25/ 45 DTCA containing a central dull white carbonate	3	tr		1Spa	65267	1850.00	1851.00	1.00	0.02	-
		quartz vein @ 40/ 45 DTCA. The zone is mineralized with 0.5% Py & Cp grains and splashes.	4	tr		1Spa	65268	1851.00	1852.00	1.00	0.01	-
			5	tr		1Spa	65269	1852.00	1853.00	1.00	0.16	-
			3	tr		1Spa	65270	1853.00	1854.00	1.00	0.01	-
			4	tr		1Spa	65271	1854.00	1854.90	0.90	0.05	-
			25	1		1Spa	65272	1854.90	1855.50	0.60	0.60	-
			20	1		QVZ	65273	1855.50	1856.10	0.60	**0.98**	**1.17**
			7	0.5		QVZ	65274	1856.10	1857.00	0.90	0.15	-
			7	tr		1Spa	65275	1857.00	1858.00	1.00	0.04	-
			8	tr		1Spa	65276	1858.00	1859.00	1.00	0.04	-
			15	tr		1Spa	65277	1859.00	1860.00	1.00	0.19	-
			4	tr		1Spa	65278	1860.00	1861.00	1.00	0.10	-
			3	tr		1Spa	65279	1861.00	1862.00	1.00	0.37	-
			3	tr		1Spa	65280	1862.00	1863.00	1.00	0.02	-
			8	tr		1Spa	65281	1863.00	1864.00	1.00	NIL	-
			6	tr		1Spa	65282	1864.00	1864.95	0.95	0.18	-
			60	tr		1Spa	65283	1864.95	1865.35	0.40	**2.33**	**2.09**
			10	tr		1Spa	65284	1865.35	1866.50	1.15	0.05	-
1866.50	**1870.10**	**1SMa**	4	tr		1SMa	65285	1866.50	1867.40	0.90	0.02	-
		There is a fairly well defined contact @ 60 DTCA into a well altered mafic syenite unit that is denoted by a	4	tr		1SMa	65286	1867.40	1868.30	0.90	0.34	-
		colour change to grungy, mottled, dark pinkish grey while maintaining the medium grain size, massive	4	tr		1SMa	65287	1868.30	1869.20	0.90	0.17	-
		nature, and very well fractured/ microfractured/ crushed aspect. It is the extreme fracturing that imparts	4	tr		1SMa	65288	1869.20	1870.10	0.90	**1.65**	**1.65**
		the grungy colouration. Veining occurs as 3% diffuse wormy patches of dull grey quartz with minor gashy	18	tr		1Spa	65289	1870.10	1871.00	0.90	0.40	-
		calcite streaks and weak pervasive calcite in the matrix and fractures. Mineralization comprises minor	3	tr		1Spa	65290	1871.00	1872.00	1.00	0.11	-
		trace fine grains of Py, mainly associated with the veining.	4	tr		1Spa	65291	1872.00	1873.00	1.00	0.06	-
			16	tr		1Spa	65292	1873.00	1874.00	1.00	0.03	-
1870.10	**1896.70**	**1Spa**	2	tr		1Spa	65293	1874.00	1875.00	1.00	0.16	-
		The hole enters back into the altered syenite porphyry as described previously at 1827.30m, grungy	5	tr		1Spa	65294	1875.00	1876.00	1.00	0.01	-
		medium greyish orange coloured, massive, and medium grained with hints of feldspar phenocrysts visible	7	tr		1Spa	65295	1876.00	1877.00	1.00	0.12	-
		with the aid of a lens. It remains well fractured. microfractured with quartz/ carbonate/ chlorite/	6	tr		1Spa	65296	1877.00	1878.25	1.25	0.04	-
		specularite fillings plus 3% irregular dull white/ grey quartz- carbonate stringers. The matrix and fractures	10	tr		1Spa	65297	1878.25	1879.10	0.85	0.01	-
		are mineralized with trace Py overall while the veins contain trace to anomalous fine grains/ splashes of	2	tr		1SMa	65298	1879.10	1879.80	0.70	0.02	-
		Py and Cp. Any significant features are described separately below.	2	tr		1SMa	65299	1879.80	1880.65	0.85	0.02	-
			3	tr		1Spa	65300	1880.65	1881.70	1.05	0.02	-
		1878.25- 1880.65 : 1SMa	4	tr		1Spa	65301	1881.70	1882.90	1.20	0.01	-
		A narrow segment of mafic syenite is included within the syenite leading with a well defined contact @ 40	8	tr		1Spa	65302	1882.90	1884.00	1.10	0.01	-
		DTCA and ending with an equally sharp contact @ 55 DTCA. It is medium grained, massive, medium dull	3	tr		1Spa	65303	1884.00	1885.00	1.00	0.02	-
		green coloured with a brick orange streaking/ speckling, and, moderately well fractured/ microfractured	3	tr		1Spa	65304	1885.00	1886.00	1.00	0.04	-
		with fine carbonate/ K spar/ quartz fillings. It contains a central 1cm quartz- specularite- carbonate	3	tr		1Spa	65305	1886.00	1887.00	1.00	0.03	-
		stringer mineralized with trace fine Py (1878.95m) and trace sulphides in the matrix.	3	tr		1Spa	65306	1887.00	1888.00	1.00	NIL	-
			3	tr		1Spa	65307	1888.00	1889.00	1.00	0.07	-
			7	tr		1Spa	65308	1889.00	1890.00	1.00	**1.00**	**1.06**
			7	tr		1Spa	65309	1890.00	1891.00	1.00	0.29	-
			3	tr		1Spa	65310	1891.00	1892.00	1.00	NIL	-
			3	tr		1Spa	65311	1892.00	1893.00	1.00	0.01	-

DESCRIPTION (Hole no AK08-02W4)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Dip	Desc	Sample Number	From	To	Length	Au g/t	Au Chk
			3	tr		1Spa	65312	1893.00	1894.00	1.00	0.01	-
			8	tr		1Spa	65313	1894.00	1895.00	1.00	0.04	-
			3	tr		1Spa	65314	1895.00	1896.00	1.00	0.01	-
			4	tr		1Spa	65315	1896.00	1896.70	0.70	NIL	-
1896.70	**1905.85**	**1SMa**	12	tr		1SMa	65316	1896.70	1897.90	1.20	0.05	0.07
		The hole tracks through a thicker section of mafic syenite (also known as basic/ augite syenite in the	5	tr		1SMa	65317	1897.90	1899.00	1.10	0.01	-
		Kirkland Lake camp) beginning with a sharp contact @ 60 DTCA. The texture of the mafic syenite,	4	tr		1SMa	65318	1899.00	1900.00	1.00	0.02	0.01
		comprising 30% light/ medium green grey mafic phenocrysts in a brick orange altered, feldspathic	3	tr		1SMa	65319	1900.00	1901.10	1.10	0.02	-
		groundmass, is more apparent in this zone because the microfracturing is less intense. Secondary	18	0.5		QVZ	65320	1901.10	1901.80	0.70	**1.37**	**1.75**
		veining consisting of 4% quartz- ankerite fractures, veinlets and stringers to 2cm cuts the unit at various	3	tr		1SMa	65321	1901.80	1902.90	1.10	0.15	-
		angles although 35 DTCA is common. Mineralization consists of rare (trace) grains of Py in the matrix and	7	tr		1SMa	65322	1902.90	1904.00	1.10	0.01	-
		veins with the exception of a stringer zone at 1901.55m which contains 4% Cp (see below).	2	tr		1SMa	65323	1904.00	1905.00	1.00	NIL	-
			8	tr		1SMa	65324	1905.00	1905.85	0.85	0.16	-
		1901.45- 1901.65 : QCVZ										
		Zone of 40% wavy, dull grey quartz- carbonate stringers trending roughly @ 25 DTCA that are mineralized										
		with 4% fine/ delicate splashes of Cp that resemble the setting/ mode of occurrence of telluride										
		mineralization.										
1905.85	**1918.35**	**1Spa**	8	tr		1Spa	65325	1905.85	1906.30	0.45	0.18	-
		The hole returns to the syenite porphyry described previously at 1870.10m through a well defined contact	4	tr		1Spa	65326	1906.30	1907.20	0.90	0.01	-
		that coincides with a zone of tectonic brecciation @ 25 DTCA. Generally, it is medium grained with a hint	4	tr		1Spa	65327	1907.20	1908.00	0.80	0.01	-
		of the porphyritic texture, massive, moderately fractured/ microfractured, and medium (greyish) orange	4	tr		1Spa	65328	1908.00	1909.00	1.00	NIL	-
		coloured. Veining in the upper 2/3rds of the interval amounts to 5% quartz/ carbonate/ chlorite/ specularite	8	tr		1Spa	65329	1909.00	1910.00	1.00	0.01	-
		fractures, veinlets and stringers whereas the lower third is cut by 15% dull white quartz- ankerite veinlets,	3	tr		1Spa	65330	1910.00	1911.00	1.00	0.03	-
		stringers and veins, the widest of which are detailed separately below. Only trace Py was noted in the	2	tr		1Spa	65331	1911.00	1912.00	1.00	0.03	-
		matrix and rare trace Py and Cp in the veining.	6	tr		1Spa	65332	1912.00	1913.00	1.00	0.04	-
			3	tr		1Spa	65333	1913.00	1914.00	1.00	0.03	-
		1906.12- 1906.18 : QVZ	65	tr		QCVZ	65334	1914.00	1915.00	1.00	0.02	-
		This 0.7cm quartz veinlet which cuts the core @ 30 DTCA is insignificant but is mineralized with a small/	10	tr		1Spa	65335	1915.00	1916.00	1.00	0.01	-
		fine splash of Cp.	8	tr		1Spa	65336	1916.00	1917.15	1.15	0.07	0.04
			12	tr		1SMa	65337	1917.15	1918.35	1.20	0.04	-
		1914.25- 1914.80 : QCVZ/ FAZ										
		The interval is composed of a chalcedony type of breccia vein in which 15% angular orange syenite										
		fragments are rimmed with creamy white ankerite with dull grey quartz crystals and interstitial silica filling										
		the remaining gaps. The zone appears to be related to a central 2-3mm fine specularite slip @ 27 DTCA										
		and 1cm wide leading fine cataclastic zone @ 35 DTCA. No significant sulphides were noted in the vein.										
1918.35	**1941.00**	**1SMa**	6	tr		1SMa	65338	1918.35	1919.20	0.85	0.03	-
		The leading contact is partially natural @ 50 DTCA and partially follows a 2.5cm quartz- ankerite stringer	4	tr		1SMa	65339	1919.20	1920.20	1.00	0.01	-
		@ 25 DTCA. The basic syenite is massive and medium grained exhibiting the typical medium greenish	50	tr		QCVZ	65340	1920.20	1920.90	0.70	0.18	0.12
		altered mafic phenos in a variable/ mottled feldspathic groundmass. The colour of the matrix changes to	60	tr		QCVZ	65341	1920.90	1921.60	0.70	0.09	-
		various shades of brown/ orange depending on the degree of alteration and fracturing/ microfracturing.	1	tr		1SMa	65342	1921.60	1922.70	1.10	0.03	-
		The unit is more heavily veined then previous mafic syenites, containing 12- 18% quartz/ carbonate/	5	tr		1SMa	65343	1922.70	1923.85	1.15	0.02	-
		specularite fractures, veinlets. stringers, veins and breccia zones, the most significant of which are broken	8	tr		1SMa	65344	1923.85	1925.00	1.15	0.01	-
		out below. Mineralization consists of trace fine Py and Cp grains and splashes except as noted in the	8	tr		1SMa	65345	1925.00	1926.00	1.00	0.02	-
		veins and the last 3m of the hole.	5	tr		1SMa	65346	1926.00	1927.00	1.00	0.02	-
			10	tr		1SMa	65347	1927.00	1928.00	1.00	0.01	-
		19202.20- 1921.60 : QCVZ	2	tr		1SMa	65348	1928.00	1929.00	1.00	0.01	-
		The interval is intersected by 40% (dull white) quartz- (creamy white) ankerite veins and breccia zones @	2	tr		1SMa	65349	1929.00	1930.00	1.00	0.02	-

DESCRIPTION (Hole no AK08-02W4)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Dip	Desc	Sample Number	From	To	Length	Au g/t	Au Chk
		50/ 40/ 55 DTCA. The widest vein (1920.98- 1921.30m) consists mainly of fractured creamy white	7	tr		1SMa	65350	1930.00	1931.00	1.00	NIL	-
		ankerite containing 20% fine quartz crystals and interstitial quartz centred around a 2cm breccia zone @	3	tr		1SMa	65351	1931.00	1932.00	1.00	0.01	-
		85 DTCA. No significant sulphides were noted in the vein zone.	70	tr		QCVZ	65352	1932.00	1933.00	1.00	0.01	-
			7	tr		1SMa	65353	1933.00	1934.00	1.00	0.01	-
		1932.00- 1932.90 : QCVZ	4	tr		1SMa	65354	1934.00	1935.00	1.00	0.03	-
		Another jumbled quartz- ankerite vein zone (70%) @ 40 DTCA which consists of 20% silicification and the	2	tr		1SMa	65355	1935.00	1936.00	1.00	0.03	0.03
		remainder of fine quartz crystals and masses in a creamy white ankerite matrix. In places, the veins are	2	tr		1SMa	65356	1936.00	1937.00	1.00	0.02	-
		tinted with fine dusty purple specularite while mineralization comprises trace fine grains of Py and Cp.	7	tr		1SMa	65357	1937.00	1937.80	0.80	0.06	-
			3	0.5		1SMa	65358	1937.80	1938.70	0.90	0.07	-
			30	8		QVZ	65359	1938.70	1939.60	0.90	**59.04**	**58.7**
		1938.70- 1941.00 : Py zone/ QVZ					65360		blank		0.02	-
		The last 2m of the hole are, locally, well mineralized with up to 10% trains, streaks, and disseminated Py	2	1		1SMa	65361	1939.60	1940.20	0.60	**23.31**	**24.21**
		and splashes of Cp, averaging perhaps 2% overall. It is also overprinted with 16% dull grey quartz vein	6	2		1SMa	65362	1940.20	1941.00	0.80	**3.77**	**3.55**
		material, the greatest concentration occurring a from 1939.25- 1939.60m (65%). The veins and walls are										
		well mineralized with 15% fine Py and Cp splashes, including 3 small possible specks of visible gold.				checks	65357	1937.00	1937.80	0.80	0.07	0.06
							65358	1937.80	1938.70	0.90	0.07	
							65359	1938.70	1939.60	0.90	61.44	58.46
		1939.25- 1939.60m : QVZ (vg?)					65360		blank		0.05	
		As mentioned, the interval contains 65% dull grey quartz vein material mineralized with 15% fine Py and					65361	1939.60	1940.20	0.60	31.20	32.47
		Cp splashes and 3 fine possible specks of vg.					65362	1940.20	1941.00	0.80	3.59	3.60
1941.00		**EOH**										
		The hole was stopped at the boundary.										

PROPERTY: Amalgamated Kirkland			HOLE NUMBER AK08-02W2					
Province:	Ontario	**DATE LOGGED:** Sept 5- 30, 2008.	**Grid:**	**7600 E**	**Method**	**Depth**	**Az**	**Dip**
Township	Teck	**LOGGED BY:** FR Ploeger		10080 N	Compass	Collar		
Started:	04-Sep-08	**DRILLED BY:** Benoit Diamond Drilling	**UTM:**	**569788 E**	reflex	1551	328.7	-61.6
Completed:	30-Sep-08	**UNITS:** Metres	**NAD 83**	**5330703N**		1580	324.1	
CORE SIZE:	NQ	**CORE LOCATION:** Upper Canada	**ELEV :**	**337 m**		1599	324.0	-57.9
			LENGTH:	406 m		1620	329.2	
		Location: leased clm 328 (106667)	**DEPTH:**	1902 m		1660	329.6	-55.8
PURPOSE:						1720	329.0	-54.5
						1782	332.7	-53.9
COMMENTS:						1839	334.0	-53.8
						1900	334.3	-53.0
SUMMARY LOG		**AK08-02W2**						

From	To	Lithology	From	To	Metres	Au g/t	Cu%	
0.00	**3.75**	OVB						
3.75	**46.50**	S1/ V4V9						
46.50	**201.80**	S3						
201.80	**211.85**	S1						
211.85	**355.20**	S3						
355.20	**429.00**	S1						
429.00	**460.90**	V9V4						
460.90	**469.00**	S3						
469.00	**499.35**	S1V4						
499.35	**510.95**	S7						
510.95	**528.10**	S1						
528.10	**548.90**	S3/ S1/ S7						
548.90	**555.00**	S7						
555.00	**591.00**	S3						
591.00	**599.80**	S1						
599.80	**606.00**	S3						
606.00	**609.25**	V4						
609.25	**833.70**	3D						
833.70	**884.00**	S1						
884.00	**1067.65**	3D						
1068.65	**1104.70**	S1						
1104.70	**1158.00**	3D						

1158.00		EOH						
		Wedge						
1153.70	**1161.35**	3D						
1161.35	**1190.06**	S3						
1190.06	**1446.00**	S1						
1446.00		WEDGE						
1442.30	**1443.50**	WEDGE CUT/ S1						
1443.50	**1464.06**	S1						
1464.06	**1469.25**	CARB						
1469.25	**1485.40**	S1						
1485.40	**1496.00**	S3						
	1496.00	**WEDGE**						
1496.00	**1500.00**	**S3**						
1500.00	**1511.75**	**S1**						
1511.75	**1526.75**	**S3/ S7**						
1526.75	**1549.73**	**S7**						
1549.73	**1591.00**	**S3**						
1591.00	**1626.90**	**S1**						
1626.90	**1635.95**	**S3**						
1635.95	**1648.43**	**S1**						
1648.43	**1689.62**	**1Spa**						
1689.62	**1760.68**	**S3**						
1760.68	**1784.70**	**S7**						
1784.70	**1806.00**	**S7/ BX**	1793.00	1794.00	1.00	1.26		
1806.00	**1827.45**	**S3/ BX**						
1827.45	**1830.70**	**SZ**						
1830.70	**1842.25**	**3D**	1845.00	1846.00	1.00	1.30		
1842.25	**1848.35**	**S7**	1860.00	1863.00	3.00	1.29		
1848.35	**1889.30**	**S3**	1877.00	1878.00	1.00	1.36		
1889.30	**1902.00**	**SZ/ DZ**	1893.00	1895.00	2.00	1.47		
1902.00		**EOH**						
Sample	Numbers	Certificates						
64832	64834	8W-2671-RG1 (Oct 1/ 08)						
64835	64866	8W-2767-RG1 (Oct 8/ 08)						
64867	64898	8W-2793-RG1 (Oct 3/ 08)						
64899	64953	8W-2849-RG1 (Oct 20/ 08)						

DESCRIPTION (Hole no AK08-02W2)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py (%)	angle	Desc	Sample Number	From	To	Length	Au g/t	AU (Chk)
0.00	3.75	OVB										
3.75	46.50	S1/ V4V9										
46.50	201.80	S3										
201.80	211.85	S1										
211.85	355.20	S3										
355.20	429.00	S1										
429.00	460.90	V9V4										
460.90	469.00	S3										
469.00	499.35	S1V4										
499.35	510.95	S7										
510.95	528.10	S1										
528.10	548.90	S3/ S1/ S7										
548.90	555.00	S7										
555.00	591.00	S3										
591.00	599.80	S1										
599.80	606.00	S3										
606.00	609.25	V4										
609.25	833.70	3D										
833.70	884.00	S1										
884.00	1067.65	3D										
1068.65	1104.70	S1										
1104.70	1158.00	3D										
1158.00		EOH										
		Wedge										
1153.70	1161.35	3D										
1161.35	1190.06	S3										
1190.06	1446.00	S1										
1446.00		WEDGE										
1442.30	1443.50	WEDGE CUT/ S1										
1443.50	1464.06	S1										
1464.06	1469.25	CARB										
1469.25	1485.40	S1										
1485.40	1496.00	S3										
	1496.00	**WEDGE**										
1496.00	1500.00	**S3**										
		The wedged hole continues in the fine grained, massive, medium greyish green wacke which contains										
		local gritty to fine pebbly lenses. It is weakly pervasively ankeritic and 1% fine veinlets are also ankeritic										
		(some quartz). Mineralization amounts to trace fine pyrite (Py).										
1500.00	1511.75	**S1**										
		Transition into a fine pebbly to gritty lens of pea gravel type conglomerate with local grit and wacke										
		lenses. The conglomerate is polymict (including jasper clasts) with pebbles to 4cm that are rounded and										
		generalyy ovoid in shape. Magnetics are low (MS 0.28- 0.64) averaging about 0.30 and the matrix reamins										
		weakly pervaded with ankerite. It is poorly veined with 1% ankerite veinlets and stringers and the sulphide										
		content remains at trace.										
1511.75	1526.75	**S3/ S7**										
		The entire interval is composed of a very fine grained, massive, light greenish gery coloured wacke that										

DESCRIPTION (Hole no AK08-02W2)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py (%)	angle	Desc	Sample Number	From	To	Length	Au g/t	AU (Chk)
		appraoches mudstone but is very finely granular and contains jasper grains. The matrix is weakly										
		pervaded with ankerite and sericite but veining consists of 0.5- 1% white fractures and veinlets of ankerite.										
		MS values are low at around 0.20 and mineralization comprises trace fine Py.										
1526.75	**1549.73**	**S7**										
		Fairly abrupt contact into a very fine grained to aphanitic, light/ medium greenish grey to light yellow limey										
		green coloured unit that is laminated to well bedded locally @ 45- 55 DTCA. Overall, it is weakly magnetic										
		(MS 0.13- 0.16) and weakly pervaded with ankerite while veining consists of 2% veinlets and stringers of										
		ankerite (and quartz). It is weakly mineralized with fine dusty Py. The mudstone becomes progressively										
		more sericitized down hole.										
		1540.14- 1540.22 : FAZ/ QCVZ	4	tr			64832	1539.00	1540.00	1.00	Nil	
		weak shear zone @ 55 DTCA with some fissile fracturing and 35% white quartz- carbonate streaks that	10	tr	55	FAZ/QCVZ	64833	1540.00	1540.40	0.40	0.03	
		are mineralized with trace to anomalous splashes of chalcopyrite (Cp) and Py	1	tr			64834	1540.40	1541.20	0.80	0.02	
1549.73	**1591.00**	**S3**										
		There is a sharp contact @ 45 DTCA with a moderately to well sericitized, fine grained, massive,										
		homogenous, light yellowish grey green wacke. It is cut by 3% white ankerite (-quartz) veinlets and										
		stringers while the matrix is pervasively ankeritic. MS values are fairly well constrined within limits of 0.20-										
		0.28 with trace fine Py scattered through the matrix.										
		1570.70- 1570.83 : QCVZ										
		milky white aankerite- quartz vein @ 35 DTCA with no significant alteration or mineralization in the walls.										
		1570.83- 1590.76 : S3										
		The hole continues in the fine grained, granular textured, massive to weakly bedded @ 55/ 65 DTCA										
		wacke but the colour gradually darkens from light yellowish grey grewen to medium/ dark greyish green										
		down hole.										
		1590.76- 1591.00 : QCVZ										
		The wacke ends at this fractured dull white porcellainic ankerite- quartz vein @ 25 DTCA.										
1591.00	**1626.90**	**S1**										
		There is a sudden change to a polymict conglomerate in which the various pebbles are subangular,										
		elongate, and grit to 12cm in size ith most pebbles less then 5cm in length. Despite the variety of pebble										
		types, the susceptibilities are fairly low with MS values ranging between 0.35 and 1.82. The matrix was										
		found to be weakly ankeritic when tested for carbonate composition and secondary veining amounts to 1-										
		2% ankerite/ quartz fractures and veinlets. It is weakly mineralized with trace fine to medium Py grains										
		and crystals.										
		1604.00- 1609.64 : S3	5	tr			64835	1606.00	1606.80	0.80	0.02	-
		The conglomerate grades in and out of a massive lens of fine grained mottled medium green to light	35	tr	15	FAZ	64836	1606.80	1607.40	0.60	0.01	-
		yellowish green altered wacke that is cut by a carbonate vein/ fault zone.	10	tr			64837	1607.40	1608.30	0.90	0.01	-
		1606.95- 1607.25 : CARB/ FAZ										
		Zone of mttled creamy white carbonated host and porpcellainc vein material that is chlorite fractured with										
		a dominant slip/ breccia zone @ 15 DTCA. The carbonate is mineralized with anomalous fine dusty Py.										

DESCRIPTION (Hole no AK08-02W2)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py (%)	angle	Desc	Sample Number	From	To	Length	Au g/t	AU (Chk)
1626.90	**1635.95**	**S3**										
		Gradation through a gritty zone into a fine grained to gritty, mottled light greenish grey greyish beige,										
		massive wacke lens that is pervasively weakly sericite and carbonate (ankerite) altered. It begins weakly										
		magnetic at 2.35/ 5.47 and rapidly decreases to around 0.40 with minor undulations. The wacke is cut by										
		0.5- 1.0% fine ankerite fractures and veinlets and is mineralized with trace fine Py.										
1635.95	**1648.43**	**S1**										
		Back into a fine grained to gritty, polymict conglomerate in which the clasts range up to 5cm and are										
		generally elongated @ about 30 DTCA along a weak fabric. The conglomerate is cut be two minor										
		porphyry dikes (see below) and is weakly to moderately pervaded with sericite and ankerite. Veining										
		increases to 4- 6% irregular ankerite veinlets and stringers; Ms values fall within a stable low range of										
		0.87- 1.66. The unit is weakly mineralized with trace Py.										
		1637.52- 1638.34 : 1Spa	5	tr			64838	1636.50	1637.50	1.00	0.01	-
		Light/ medium grungy greyish pink coloured, medium grained, massive, moderately well altered syenite	5	tr		1Spa	64839	1637.50	1638.35	0.85	NIL	NIL
		dike with well defined contacts @ 45/ 35 DTCA. It is microfractured on a granular scale and fractured with	5	tr			64840	1638.35	1639.30	0.95	0.01	-
		7% chlorite carbonate fillings and trace fine Py. A second similar 26cm dike cuts the package at										
		1647.50m.										
			4	tr		1Spa	64841	1647.00	1648.00	1.00	0.01	-
1648.43	**1689.62**	**1Spa**	4	tr		1Spa	64842	1648.00	1649.00	1.00	0.02	-
		The hole now enters an altered syenite dike complex (streaked irregular contact) that is variably altered to	4	tr		1Spa	64843	1649.00	1650.00	1.00	NIL	-
		shades of medium greyish pink to brownish grey depending on the degree of alteration, the darker shades	4	tr		1Spa	64844	1650.00	1651.00	1.00	0.01	-
		generally reflecting fresher phases. In these fresher areas, the host is medium geyish brown coloured,	10	tr		1Spa	64845	1651.00	1652.00	1.00	0.01	-
		massive, relatively homogenous, and medium grained with the texture consisting of 10- 15% diffuse,	6	tr		1Spa	64846	1652.00	1653.00	1.00	NIL	-
		subhedral, 2- 3mm, dull grey feldspar phenocrysts and 10- 20% interstitial mafic material and grains	6	tr		1Spa	64847	1653.00	1654.00	1.00	NIL	-
		(inclusions), all in a fine grained medium/ dark greyish pink/ brown feldspathic groundmass that is faintly	6	tr		1Spa	64848	1654.00	1655.00	1.00	NIL	-
		microfractured. A few lenses of very fine grained wacke are included within the dike.	6	tr		1Spa	64849	1655.00	1656.00	1.00	NIL	-
		Susceptibilities are generally low at MS 0.25- 1.69 to 1672m at which point the values increase to a range	6	tr		1Spa	64850	1656.00	1657.00	1.00	0.01	-
		of 2.05- 4.17. The matrix is weakly pervaded with ankerite to non reactive and veined with 3- 5% irregular	6	tr		1Spa	64851	1657.00	1658.00	1.00	NIL	-
		pale pink/ white ankerite fractures and veinlets with a few wider quartz- ankerite stringers to 1672m where	6	tr		1Spa	64852	1658.00	1659.00	1.00	NIL	-
		veining decreases to 1% coincidentally with the increase in the magnetics. Overall, mineralization	2	tr			64853	1659.00	1659.95	0.95	NIL	0.01
		comprises trace fine grains/ crystals of Py.	5	tr		1Spa	64854	1660.00	1661.00	1.00	NIL	-
			5	tr		1Spa	64855	1661.00	1662.00	1.00	NIL	-
		1658.55- 1659.95 : S3	5	tr		1Spa	64856	1662.00	1663.00	1.00	NIL	-
		Very fine grained, massive, dark greenish grey coloured lens of wacke begins on a 1cm carbonate breccia	5	tr		1Spa	64857	1663.00	1664.00	1.00	NIL	-
		fault/ vein @ 15 DTCA and ends on a sharp intrusive contact @ 20 DTCA.	5	tr		1Spa	64858	1664.00	1665.00	1.00	0.01	-
			5	tr		1Spa	64859	1665.00	1666.00	1.00	0.01	-
		1674.65- 1667.95 : S3	5	tr			64860	1666.00	1667.00	1.00	0.01	-
		75% very fine grained, massive, dark greenish grey wacke lenses leading with a sharp contact on a 1.5cm	3	tr			64861	1667.00	1668.00	1.00	0.01	NIL
		QCVZ and chlorite slip @ 45 DTCA. Internal contacts also occur on vein/ slips @ 25 DTCA or are	3	tr		1Spa	64862	1668.00	1669.00	1.00	NIL	-
		naturaal/ sharp @ 15/ 25 DTCA.	3	tr		1Spa	64863	1669.00	1670.00	1.00	NIL	-
			3	tr		1Spa	64864	1670.00	1671.00	1.00	NIL	-
		1671.50- 1671.60 : QCVZ	3	tr	65	QCVZ	64865	1671.00	1672.00	1.00	NIL	-
		8.5cm, creamy white- orange- dull grey carbonate/ K spar/ quartz vein @ 65 DTCA with about 10cm of	3	tr		1Spa	64866	1672.00	1673.00	1.00	NIL	-
		moderate brick orange alteration and trace Py in the walls.										
			5	tr		1Spa	64867	1685.50	1686.50	1.00	0.05	-
		1689.46- 1689.62 : FAZ	5	tr		1Spa	64868	1686.50	1687.50	1.00	NIL	-
		The trailing contact of the syenite dike falls on a chloritic fracture/ breccia zone @ 45/ 50 DTCA with a	5	tr		1Spa	64869	1687.50	1688.60	1.10	0.01	-
		gashy ankerite lens. No significant sulphides accompany the structure.	3	tr		1Spa	64870	1688.60	1689.30	0.70	0.04	-
			25	tr	50	FAZ	64871	1689.30	1689.80	0.50	NIL	-

DESCRIPTION (Hole no AK08-02W2)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py (%)	angle	Desc	Sample Number	From	To	Length	Au g/t	AU (Chk)
			7	tr			64872	1689.80	1691.00	1.20	0.08	-
1689.62	1760.68	**S3**	7	tr			64873	1691.00	1692.00	1.00	0.03	-
		The hole exits into another thick unit of fine grained, granular textured, massive to faintly bedded, medium/	12	tr			64874	1692.00	1693.00	1.00	0.01	-
		light greyish to yellowish green wacke. Fine jasper grains were noted but it is essentially devoid of clasts										
		and bedding trends @ 35- 40 DTCA. Susceptibilities are uniformly low at 0.28- 0.34 outside of the contact										
		zone and the matrix is pervaded with ankerite. Secondary veining comprises 2% creamy white irregular										
		ankerite fractures, veinlets and stringers that occurs in patches over several metres. Mineralization runs										
		trace.										
		1732.83- 1734.63 : S1										
		Gritty to pebbly lens of fine polymict conglomerate with all clasts < 2cm and gradational contacts.										
1760.68	1884.70	**S7**										
		The contact between the facies is sharp @ 50 DTCA although there are local intercalated lenses of fine										
		grained wacke within the mudstone unit. Generally, the mudstone ranges from very fine grained to										
		aphanitic, massive to well bedded/ laminated @ 30- 40 DTCA to fragmented (primary rip up clasts and										
		slumping), and medium to light grey with greyish olive yellow green laminae defining the bedding planes.										
		Susceptibilities are confined to a very tight range of 0.18- 0.33 and the matrix was found to be pervasively										
		ankeritic. Secondary veining comprises 2- 4% ankerite fractures and veinlets with local gashy quartz-										
		ankerite stringers except as noted below. Sulphides average trace with local enhancements as described										
		below.										
		1779.90- 1782.80 : Py Nodules	4	2			64875	1779.90	1781.00	1.10	0.01	-
		There are several subrounded blebs/ nodules (to 1.5") packed with dark brownish Py/ marcasite grains in	4	tr			64876	1781.00	1781.90	0.90	0.01	-
		the interval.	4	2			64877	1781.90	1782.80	0.90	0.05	-
			7	tr			64878	1791.00	1792.00	1.00	0.36	-
			7	tr			64879	1792.00	1793.00	1.00	0.47	-
			7	tr			64880	1793.00	1794.00	1.00	**1.11**	**1.41**
			7	tr			64881	1794.00	1795.00	1.00	**0.81**	-
1884.70	1806.00	**S7/ BX**										
		There is a primary disrupting of the mudstone/ wacke mix into slumped(?) rip up type fragmentals that are	18	tr			64882	1799.25	1800.30	1.05	0.03	0.02
		highlighted by yellowish sericite- carbonate alteration with a superimposed mild/ moderate tectonic	20	tr	55	QCVZ	64883	1800.30	1800.90	0.60	NIL	-
		fracturing with 6- 8% irregular gashy type carbonate fractures, veinlets, and stringers and local quartz-	7	tr			64884	1800.90	1801.90	1.00	NIL	-
		ankerite patches. The basic features, i.e. very fine to aphanitic grain size, bedded nature, medium grey to										
		light olive/ yellow green colour, and low magnetics, remain intact. The entire package is mineralized with										
		trace Py with local slightly anomalous concentrations. A few check samples were taken through the										
		interval to test for anomalous gold.										
		1800.67- 1800.90 : CARB										
		The interval comprises a diffuse carbonate (ankerite and calcite) vein with sericite fractures ends with a										
		1cm fissile fault @ 55 DTCA.										
1806.00	1827.45	**S3/ BX**	7	tr			64885	1809.00	1810.00	1.00	0.01	-
		There is a change to a wacke host but the tectonic- alteration overprint continues. The host is fine	7	tr			64886	1810.00	1811.00	1.00	0.06	-
		grained, granular textured, massive and altered to a streaky light/ medium greyish to yellowish green	7	tr			64887	1811.00	1812.00	1.00	0.01	-
		colour. The fracturing/ microfracturing is highlighted by yellowish sericite and 4- 6% white calcite and										
		ankerite fillings. MS values continue to run low at 0.19- 0.38 but the matrix becomes a mix of patchy										
		pervasive calcite and ankerite. Mineralization consists of trace to anomalous very fine Py grains. A few										
		areas were check sampled.										

DESCRIPTION (Hole no AK08-02W2)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py (%)	angle	Desc	Sample Number	From	To	Length	Au g/t	AU (Chk)
		1821.90- 1827.45 : SHZ	7	tr			64888	1821.90	1822.30	0.40	NIL	-
		At this point, there is a distinctive penetrative foliation fabric developed @ 35- 40 DTCA that is displayed	7	tr			64889	1822.30	1823.90	1.60	0.01	-
		by carbonatte streaking/ veinlets and sericite/ chlorite shear/ foliation planes. Sulphides stand at trace	7	tr			64890	1823.90	1824.80	0.90	0.03	-
		overall but become slightly anomalous towards the lower contact.	12	tr			64891	1824.80	1825.70	0.90	0.14	-
			10	tr			64892	1825.70	1826.50	0.80	0.2	-
1827.45	**1830.70**	**SZ**	15	tr			64893	1826.50	1827.45	0.95	0.12	-
		There is a gradual increase in cherty grey silicification over the leading metre or so into a massive, grey	60	0.5		SZ	64894	1827.45	1828.40	0.95	**0.82**	**0.65**
		cherty quartz vein through to the lower contact. It begins as streaks wihtin a medium yellowish grey	85	0.5		SZ	64895	1828.40	1829.25	0.85	**0.86**	**-**
		altered, microfractured wacke host and gradually replaces the wacke. The silicified zone and vein are	100	tr		QVZ	64896	1829.25	1830.00	0.75	0.16	-
		mineralized with trace to anomalous very fine Py. The lower contact is formed by a 1cm carbonate vein	100	tr		QVZ	64897	1830.00	1830.70	0.70	0.2	0.19
		separating the diabase dike which follows.	2	tr			64898	1830.70	1831.65	0.95	0.05	-
1830.70	**1842.25**	**3D**										
		Veined contact 25 DTCA leads into a medium grained, massive, relatively homogenous, dark greyish										
		green diabase dike. The diabase is not typical Matachewan type but a weakly altered one in which much										
		of the original texture is masked by alteration. It was found to be weakly magnetic (MS 0.35- 0.69) near the										
		contacts rising to as high as 15.4 in the middle. The dike is also moderately well pervaded with calcite										
		although veining consists of 1- 2% fine calcitic fractures and veinlets. No significant sulphides were										
		detected in the diabase. The lower contact occurs as a series of streaks @ 30 DTCA.										
1842.25	**1848.35**	**S7**	7	tr			64899	1845.00	1846.00	1.00	**1.30**	**1.3**
		Below the dike, there is a fractured/ deformed unit of very fine grained to aphanitic, light/ medium limey	7	0.5			64900	1846.00	1847.10	1.10	0.44	-
		green to greyish green coloured, bedded mudstone in which limey yellow streaks and laminae highlight	7	0.5			64901	1847.10	1848.35	1.25	0.30	-
		the bedding fabrics @ around 20 DTCA although the angles may vary because of the deformation. The										
		yellow streaks, when combined with chloritic fractures form a jumbled fractured fabric which is accented										
		by 7% streaks, fractures, and gashy stringers of grey glassy quartz. The unit is mineralized with trace to										
		slightly anomalous Py as very fine dusty grains and some patches.										
1848.35	**1889.30**	**S3**	15	0.5			64902	1848.35	1849.00	0.65	0.11	-
		The contact was taken at a 6cm zone of crushing that ends with a 0.5cm streak of gouge @ 35 DTCA.	15	tr			64903	1849.00	1850.00	1.00	0.11	-
		The host becomes fine grained (including jasper grains), light yellowish/ greenish grey coloured and	8	tr			64904	1850.00	1851.00	1.00	0.02	-
		massive with a weak to moderate tectonic fracture fabric @ 25- 35 DTCA that coincides with weak	12	tr			64905	1851.00	1852.00	1.00	0.08	-
		bedding features. The deformation is enhanced by chloritic fracturing and 12- 18% ragged, fractured/	5	tr			64906	1852.00	1853.00	1.00	0.12	-
		brecciated, creamy white/ pink/ yellow ankerite- quartz veinlets, stringers, gashy patches that are	5	tr			64907	1853.00	1854.00	1.00	0.17	-
		mineralized with with anomalous to 3% fine disseminated Py along with fine dusty Py in the matrix.	2	tr			64908	1854.00	1855.00	1.00	0.09	-
		Because of the ubiquitous veining and mineralization, the entire unit was sampled. MS values are low at	2	tr			64909	1855.00	1856.00	1.00	0.07	-
		around 0.30 and the yellowish tone is due to pervasive sericite alteration.	2	tr			64910	1856.00	1857.00	1.00	0.05	-
			2	tr			64911	1857.00	1858.00	1.00	0.02	-
		1857.95- 1858.0 : FAZ	6	1			64912	1858.00	1859.00	1.00	0.47	-
		A small pile of fine splinters and wad of gouge indicate a fault @ 50 DTCA.	6	tr			64913	1859.00	1860.00	1.00	0.46	-
			6	tr			64914	1860.00	1861.00	1.00	**1.30**	**1.41**
		1864.75- 1875.20 : BBC	6	tr			64915	1861.00	1862.00	1.00	**0.71**	-
		The core is splintered along a series of flat slips/ fractures (@ aound 20 DTCA) resulting in an estimated	8	0.5			64916	1862.00	1863.00	1.00	**1.63**	**1.95**
		RQD of 30%.	8	tr			64917	1863.00	1864.00	1.00	0.14	-
			3	tr			64918	1864.00	1865.00	1.00	0.48	-
			8	0.5			64919	1865.00	1866.00	1.00	0.29	-
			12	1			64920	1866.00	1867.00	1.00	**0.69**	-
			3	tr			64921	1867.00	1868.00	1.00	**0.75**	-

DESCRIPTION (Hole no AK08-02W2)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py (%)	angle	Desc	Sample Number	From	To	Length	Au g/t	AU (Chk)
			3	tr			64922	1868.00	1869.00	1.00	0.26	-
			3	tr			64923	1869.00	1870.00	1.00	0.02	-
			3	tr			64924	1870.00	1871.00	1.00	0.10	-
			3	tr			64925	1871.00	1872.00	1.00	0.28	-
			3	tr			64926	1872.00	1873.00	1.00	0.19	-
			3	tr			64927	1873.00	1874.00	1.00	0.05	-
			3	tr			64928	1874.00	1875.00	1.00	0.19	-
			3	tr			64929	1875.00	1876.00	1.00	0.07	-
			3	tr			64930	1876.00	1877.00	1.00	0.16	-
			5	tr			64931	1877.00	1878.00	1.00	**1.30**	**1.41**
			5	0.5			64932	1878.00	1879.00	1.00	0.34	-
			7	tr			64933	1879.00	1880.00	1.00	0.09	0.04
			7	tr			64934	1880.00	1881.00	1.00	0.01	-
			7	tr			64935	1881.00	1882.00	1.00	0.03	-
			10	tr			64936	1882.00	1883.00	1.00	0.03	-
			10	tr			64937	1883.00	1884.00	1.00	0.53	-
			10	tr			64938	1884.00	1885.00	1.00	0.06	-
			10	tr			64939	1885.00	1886.00	1.00	0.02	-
			10	tr			64940	1886.00	1887.00	1.00	0.11	-
			8	tr			64941	1887.00	1888.00	1.00	0.03	-
			3	tr			64942	1888.00	1889.00	1.00	0.01	-
1889.30	**1902.00**	**SZ/ DZ**	15	0.5		SZ	64943	1889.00	1890.30	1.30	0.07	-
		There is an abrupt transition into a zone of fracturing/ microfracturing/ brecciation of the host wacke which	15	0.5		SZ	64944	1890.30	1891.00	0.70	**0.68**	**0.56**
		obscures some of the original characteristics of the wacke although the granular texture and red jasper	25	0.5		SZ	64945	1891.00	1892.00	1.00	0.23	-
		grains are visible. The deformation is enhanced by yellow sericite along the micro/ fracture planes with	40	1		SZ	64946	1892.00	1893.00	1.00	0.43	-
		some bleading to form pervasive yellowish pseudo clast features. Complicating the alteration are patchy	30	0.5		SZ	64947	1893.00	1894.00	1.00	**2.02**	**2.19**
		to wormy overgrowths of dull grey cherty silicification (quartz veining) and calcite alteration that increase	20	0.5		SZ	64948	1894.00	1895.00	1.00	**0.96**	**0.71**
		from 10% near the start to 100% by the end of the interval. Mineralization consists of trace to anomalous	40	0.5		SZ	64949	1895.00	1896.00	1.00	0.23	-
		fine Py grains in fractures and the walls of veins as well as very fine disseminations with local	75	0.5		SZ	64950	1896.00	1897.00	1.00	0.24	-
		concentrations to 1- 2% over 20cm or so. The core becomes progressively more broken/ ground down	100	0.5		SZ	64951	1897.00	1898.00	1.00	0.21	-
		hole (see below).	100	0.5		SZ	64952	1898.00	1899.00	1.00	0.09	-
			100	0.5		SZ	64953	1899.00	1902.00	3.00	0.18	-
		1896.20- 1902.0 : QVZ										
		From this point on, the host is essentially 75- 100% silicified/ quartzose and mineralized with trace to										
		anomalous fine dusty Py.										
		1895.60- 1902.00 : BBC/ LC										
		The lower section of the interval becomes well broken up and ground resulting in some lost core and										
		eventual loss of the hole.										
		1999.00- 1902.00 : LC										
		Only about 30cm of core was recovered as gravel over this 3m interval. This was taken as 1 sample.										
1902.00		**EOH**										
		At this point, the drillers could no longer recover core in the tube because of the extreme bad ground and										
		the hole had to be abandoned.										

DESCRIPTION (Hole no AK08-02W2)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py (%)	angle	Desc	Sample Number	From	To	Length	Au g/t	AU (Chk)

PROPERTY: Amalgamated Kirkland			HOLE NUMBER AK08-02					
Province:	Ontario	**DATE LOGGED:** May 29- Aug 8, 2008	**Grid:**	**7600 E**	**Method**	**Depth**	**Az**	**Dip**
Township	Teck	**LOGGED BY:** FR Ploeger		10080 N	Compass			
Started:	28-May-08	**DRILLED BY:** Benoit Diamond Drilling	**UTM:**	**569788 E**	reflex	1170	347	-72.0
Completed:	08-Aug-08	**UNITS:** Metres	**NAD 83**	**5330703N**		1293	348.9	-71.5
CORE SIZE:	NQ	**CORE LOCATION:** Upper Canada	**ELEV :**	**337 m**		1365	348.7	-71.2
			LENGTH:	2130 m		1425	349.5	-71.1
		Location: leased clm 328 (106667)				1458	342.4	-70.9
PURPOSE:			**Depth**	**Az**	**Dip**	1521	341.6	-70.1
			15	347.8	-77.5	1590	342.1	-68.6
COMMENTS:			45	348.6	-77.4	1605	343.7	-68.4
			75	347.2	-77.1	1665	344.9	-67.9
			105	345.7	-76.8	1725	347.3	-67.9
			135	344.7	-76.4	1785	347.9	-67.3
			165	345.3	-76.2	1845	351.2	67.1
			225	344.1	-75.6	1905	352.8	-66.6
			285	344.3	-74.9	1965	351.6	-65.1
			345	345.4	-74.8	2025	353.2	-63.7
			405	346.8	-74.1	2085	355.4	-63.0
			465	347.1	-74.2			
			525	346.6	-73.6			
			585	346.8	-73.2			
			645	349.4	-72.7			
			705	347.6	-72.7			
			765	346.7	-72.6			
			825	348.9	-72.8			
			885	349.5	-71.9			
			945	350.7	-72.6			
			1005	351.3	-72.4			
			1065	351.4	-78.8			

SUMMARY LOG		AK08-02						
From	**To**	**Lithology**	**From**	**To**	**Metres**	**Au g/t**	**Cu%**	
0.00	**3.75**	**OVB**						
3.75	**46.50**	**S1/ V4V9**						
46.50	**201.80**	**S3**						
201.80	**211.85**	**S1**						

211.85	**355.20**	**S3**						
355.20	**429.00**	**S1**						
429.00	**460.90**	**V9V4**						
460.90	**469.00**	**S3**						
469.00	**499.35**	**S1V4**						
499.35	**510.95**	**S7**						
510.95	**528.10**	**S1**						
528.10	**548.90**	**S3/ S1/ S7**						
548.90	**555.00**	**S7**						
555.00	**591.00**	**S3**						
591.00	**599.80**	**S1**						
599.80	**606.00**	**S3**						
606.00	**609.25**	**V4**						
609.25	**833.70**	**3D**						
833.70	**884.00**	**S1**	834.00	835.00	1.00	7.45		
884.00	**1067.65**	**3D**						
1068.65	**1104.70**	**S1**						
1104.70	**1158.00**	**3D**						
1158.00		**EOH**						
		Wedge						
1153.70	**1161.35**	**3D**						
1161.35	**1190.06**	**S3**						
1190.06	**1446.00**	**S1**						
1446.00		**WEDGE**						
1442.30	**1443.50**	**WEDGE CUT/ S1**						
1443.50	**1464.06**	**S1**						
1464.06	**1469.25**	**CARB**						
1469.25	**1485.40**	**S1**						
1485.40	**1499.25**	**S3**						
1499.25	**1511.30**	**S1**						
1511.30	**1528.65**	**S3**						
1528.65	**1551.35**	**S7**						
1551.35	**1753.19**	**S3**						
1753.19	**1872.40**	**1Spa**						
1872.40	**1905.55**	**S7**						
1905.55	**1943.40**	**S3/ V9**						
1943.40	**1962.55**	**V4V9l**						
1962.55	**1998.00**	**S7/ V4V9l**						
1998.00	**2130.00**	**S3**						

2130.00		**EOH**						
Sample	Numbers	Certificates						
64461	64471	8W-1533-RG1 (Jun 6/ 08)						
64472	64477	8W-1693-RG1 (Jul 2/ 08)						
64478	64490	8W-1992-RG1 (Jul 23/ 08)						
64491	64500	8W-2144-RG1 (Aug 8/ 08)						
64601		8W-2144-RG1 (Aug 8/ 08)						
64602	64643	8W-2210-RG1 (Aug 8/ 08)						
64644	64670	8W-2272-RG1 (Aug 15/ 08)						
64671	64673	8W-2399-RG1 (Aug 20/ 08)						
67853	67862	8W-2272-RG1 (infill) (Aug 15/ 08)						

DESCRIPTION (Hole no AK08-02)							Samples / Assays					
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
0.00	3.75	OVB										
		The drillers blocks indicate 3m of casing but coring actually starts at 3.75m.										
		During the coarse of logging, all holes were systematically checked for the carbonate composition of the matrix and veining as well as for the magnetic component. The carbonate was determined by using dilute hydrochloric acid (HCl) to test for calcite (fizzes) and potassium ferricyanide (KFC) which stains blue in the presence of ankerite. The magnetic susceptibility (MS) is checked with a model KT-6 Kappameter which yields an absolute reading.										
3.75	46.50	S3										
		In many respects this is typical Timiskaming conglomerate although many of the clasts are of alkalic composition and only rare jasper sand sized grains, typical of the sediments, was noted in some lenses. Clasts, which are polymict, rounded and up to 20cm, although most are <4cm, occur in lenses or are widely scattered within a dark greenish grey, gritty to fine grained wacke to tuff matrix. MS values are highly irregular within a range of 5.99- 53.7 while the matrix was found to be pervaded with ankerite. The conglomerate/ pebbly wacke is cut by 4- 6% irregular white ankerite fractures and veinlets with local oxidized fractures. Mineralization comprises nil/ trace scattered pyrite (Py) grains.										
		24.90- 24.95 : QCVZ- The vein consists of a 1cm pink quartz and 1cm white ankerite stringers @ 30 DTCA surrounded by a 3cm halo of sericitic bleaching and trace sulphides.										
		32.80- 32.88 : QCVZ- 1cm laminated orange calcite- quartz- chlorite stringer @ 25 DTCA.										
		35.85- 36.00 : FAZ- strong gouge mud fault @ 50 DTCA with some oxidation of the wall.										
46.50	201.80	S3										
		There is a gradual change through the hole to a point where the matrix dominates as thick sections of gritty to fine grained sediments (wacke) and tuff with only scattered pebbles and occasional finely pebbly conglomerate lenses. The sediments tend to contains higher concentrations of felsitic/ alkalic grains and small pebbles and lack the jasper grains. Overall, it is fine grained to gritty, medium/ dark greenish grey coloured, massive with local weak bedding planes @ about 40 DTCA.										
		MS values decrease from 13.5 near the contact to as low as 0.89 at 54m before beginning to undulate in a wide range of 0.31 to 18.3 with most values less then 2.70. The matrix is strongly pervaded with ankerite and veining comprises 3- 5% irregular gashy ankerite fractures and veinlets. The unit is weakly mineralized with trace very fine grains and splashes of Py and chalcopyrite (Cp).										
		66.95- 72.30 : CARB/ SHZ- Strongly carbonatized zone with 12- 15% white ankerite streaks, veinlets and stringers that generally follow a mild to moderate foliation fabric @ roughly 45 DTCA. The veining/ alteration is centred around a 5cm quartz (- carbonate/ sericite) vein @ 55 DTCA at 70.15m. There is no increase in the sulphide content through the interval.										
		72.30- 201.80 : S3 (ser'd)- There are very few clasts or pebbly lenses (2%) below the foliated zone although the host gradually loses the stronger veining and becomes pervasively sericite and ankerite altered. The colour becomes light/ medium yellowish grey green with 2- 3% fine carbonate fractures and veinlets. MS values decrease to a stable low corridor of 0.09- 0.30 and mineralization remains trace/ nil. A few ultramafic pebbles are altered to green carbonate at 94.50m and 99.60- 100.10m and numerous jasper grains were noted.										
		84.30- 86.65 : SHZ- the area is foliated around a central muddy shear @ 35 DTCA and is veined with 10% shreddy ankerite fractures and veinlets.										

DESCRIPTION (Hole no AK08-02)								Samples / Assays				
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		119.15- 119.40 : QCVZ	1	N			64461	118.00	119.00	1.00	0.02	
		creamy white, 10cm ankerite- quartz vein zone @ 30 DTCA with parallel chlorite fractures and a central	30	tr	30	QCVZ	64462	119.00	119.50	0.50	0.05	
		mud slip mineralized with a few scattered fine Py crystals (trace).	1	N			64463	119.50	120.50	1.00	0.01	
		138.00- 139.80 : CARB	1	N			64464	137.00	138.00	1.00	0.02	
		Well altered and fractured zone that is laced with ankerite and sericite fractures and veinlets and patches	12	tr		alt'd	64465	138.00	139.00	1.00	0.03	
		that is mineralized with trace fine Py. The alteration may be related to two sericite/ mud slips @ 25/ 30	15	tr	25	alt'd	64466	139.00	139.80	0.80	0.02	
		DTCA towards the end of the interval.	25	tr	20	QCVZ	64467	139.80	140.60	0.80	0.09	
			12	tr			64468	140.60	141.60	1.00	0.01	
		140.20- 140.50 : QCVZ										
		5cm ankerite- quartz vein and patch @ 20 DTCA, trace Py										
			8	tr			64469	149.70	150.70	1.00	0.02	
		150.95- 151.15 : QCVZ	30	tr	25	QCVZ	64470	150.70	151.60	0.90	0.01	
		15cm white ankerite- quartz vein zone @ 25 DTCA with wide sericitized haloes and trace Py	2	N			64471	151.60	152.70	1.10	0.03	
		160.54- 160.64 : QCVZ										
		9cm white ankerite- quartz vein @ 50 DTCA mineralized with trace fine Py crystals.										
		185.00- 191.20 : S1										
		zone of clast supported, polymict, conglomerate with rounded clasts to 22cm										
201.80	**211.85**	**S1**										
		Conglomerate again begins to dominate the lithology forming more then 50% of the unit with light/										
		medium yellowish green, fine grained, massive lenses and matrix formed by wacke. The conglomerate is										
		polymict with generally light to medium bland grey/ yellow/ green rounded clasts and rare pink ones, clast										
		supported (intact framework), with local gritty lenses. Some ultramafic clasts have been altered to green										
		carbonate and fine jasper pebbles were also noted.										
		MS values remain low at 0.15- 0.28 while the matrix is pervaded with weak ankerite and sericite alteration										
		that gradually decreases down hole. Veining consists of 0.5% white ankerite fractures and veinlets with										
		trace/ nil sulphides.										
211.85	**355.20**	**S3**										
		The hole continues in a wacke that leads with a very fine grained band @ 20 DTCA. It consists of lenses										
		of fine grained, massive, light/ medium yellowish/ greyish green wacke containing scattered fine pebbles										
		interdigitated with gritty lenses and rare fine pebble conglomerate zones. MS values remain low at around										
		0.15, and, ankerite and progressively weaker sericite, continue to pervade the matrix. It is veined with 0.5										
		(tr)- 1% ankerite veinlets and mineralized with trace/ nil sulphides.										
		215.00- 215.20 : SHZ										
		11cm wide zone of sericitic shearing and carbonate veining @ 25- 30 DTCA (trace Py). It is followed 1.5/										
		3m down hole by similar shears @ 60/ 30 DTCA.										
		227.10- 240.50 : S3 (gritty)										
		Through this section, the wacke becomes gritty with clasts ranging from 1mm to 7mm scale with local										
		scattered pebbles to 3cm. They tend to be subangular and polymict, similar to the composition of the										
		conglomerate with jasper clasts but few felsic/ alkalic ones. The matrix remains pervaded with weak										
		ankerite and sericite alteration and MS values are below 0.22. Contacts are gradational in and out of the										
		zone. A few additional minor gritty lenses and scattered pebbles occur down hole.										

DESCRIPTION (Hole no AK08-02)							Samples / Assays					
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		299.00- 299.05 : FAZ										
		minor crush fault @ 55 DTCA rimmed with two 1cm wide ankerite- quartz stringers containing a few splashes of Py.										
		318.35- 320.30 S1										
		good polymict (no obvious alkalic or granitic clasts) conglomerate lens with rounded pebbles to 8cm including green carbonate altered ones and jaspers.										
		325.10- 326.20 : S7										
		massive bands/ lenses of very fine grained light/ medium olive green coloured siltstone/ mudstone with irregular contacts that appears to have slumped into, and mixed with the wacke.										
		340.90- 345.90 : S7										
		Another set of massive bands/ lenses of very fine grained light/ medium olive green coloured siltstone/ mudstone with irregular contacts that appears to have slumped into, and mixed with the wacke. Some lenses are fractured (desiccation cracks?) with gritty fillings.										
355.20	**429.00**	**S1**										
		Fairly abrupt contact back into a moderately well altered polymict conglomerate in which much of the primary colour and texture has been washed out of the clasts colouring them in pale shades of buff yellow, pale green/ grey and pink/ beige. In places they are clast supported but in most instances are matrix supported with fine wacke and grit. Overall, the matrix and clasts tend to be light yellowish green/ grey coloured by pervasive sericite and ankerite while susceptibilities remain subdued at 0.16- 0.36. Veining consists of 1- 2% ankerite fractures and veinlets with local streaky vein zones that track at very low angles (10 degrees) to the core axis. Mineralization runs nil/ trace.										
		364.75- 365.20 : QCVZ										
		creamy white, 7cm ankerite vein with granular quartz and fracture fillings @ 15 DTCA										
		379.15- 379.70 : QCVZ										
		fractured creamy white ankerite vein with sericitized wall rock fragments and fractures @ 10 DTCA mineralized with trace fine Py										
		381.35- 384.00 : QCVZ										
		a creamy white 1- 2cm wormy ankerite stringer undulates along the core axis intermittently through the interval ending with a 9cm vein @ 14 DTCA.										
		385.00- 388.75 : S1 (V4)										
		A high proportion of the clasts, which range from grit (2mm) to 6cm in size, are pale orange coloured (trachytic?) and subrounded in shape in the lower portion of the conglomerate. The transition into the wacke is fairly sudden.										
		388.75- 395.60 : S3										
		Massive lens of fine grained, light grey wacke containing rare scattered pebbles and weakly bedded at the start @ 50 DTCA										
		403.70- 409.00 : S3 (deformed)										
		In this interval, the fine grained texture is jumbled/ foliated/ fractured with sericitic and ankeritic fracture fillings resulting in an overall deformation texture that meanders along the core axis or at low angles. No significant mineralization is associated with the zone.										

DESCRIPTION (Hole no AK08-02)								Samples / Assays				
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		414.60- 415.00 : S1										
		Weak pebbly zone with 1- 3% fine brownish disseminated patches of Py in chloritic shadows around the clasts.										
		422.40- 429.00 : S1										
		Zone of conglomerate and pebbly lenses with 35% light orange coloured, fine grained alkalic(?) clasts within an otherwise polymict unit. Jasper grains in the fine grained to gritty wacke matrix are rare to absent suggesting a strong trachytic content. MS values are moderate at 3.87- 13.9, veining is minimal (2-4% ankerite), and sulphides run trace. The zone begin on a 4cm sheared/ fractured ankerite- quartz-sericite vein/ fault @ 30 DTCA and grades back into wacke at the end.										
429.00	**460.90**	**V9V4**										
		Back to a massive, medium/ dark greyish/ yellowish green, fine grained lithology with local gritty and pebbly patches. Notably, there are none to rare jasper grains in the unit and many of the finer gritty grains are light orange coloured suggesting that this sediment may be dominated by an alkalic tuffaceous component. Susceptibilities tend be bimodal, clustering around values of 0.30 and 13.0. The matrix remains weakly pervaded with ankerite while veining consists of 1- 3% fractures and veinlets of ankerite with minor quartz and sericite. It is mineralized with nil/ trace sulphides.										
460.90	**469.00**	**S3**										
		There is a subtle change back to a more distinctly granular, fine grained sedimentary texture, including rare jasper grains, which implies a return to a wacke host. There is also the loss of the persistent orange coloured grains/ clasts and a uniformly low susceptibility of around 0.20. The colour remains medium/ light green grey and veining comprises 2- 3% dull white calcite/ quartz/ ankerite while the sulphide content is trace.										
		461.10- 462.90 : BBC										
		The core is broken up into splinters and chips for no apparent reason. There is no mud, gouge or persistent structure to indicate a fault.										
469.00	**499.35**	**S1V4**										
		Because the conglomerate contains approximately 65% pale beige/ orange/ pink/ yellowish clasts which suggest an alkalic/ trachytic provenance, the protolith is double coded as a trachytic conglomerate. Some of the lighter pastel colouration is due to pervasive carbonate/ sericite alteration while some is primary, but there appear to be jasper grains in the fine grained matrix indicating a strong sedimentary component as well. It is veined with 2% dull white veinlets and gashes of ankerite and mineralized with trace sulphides.										
499.35	**510.95**	**S7**										
		The conglomerate ends abruptly at a natural contact as the hole transgresses a very fine grained, medium greyish green to light yellowish green, bedded (@ 20 DTCA) mudstone unit containing interlensed conglomerate and gritty wacke layers. Susceptibilities are low at 0.22- 0.36 while veining comprises 1% white calcite/ ankerite fractures and veinlets. It is moderately pervaded with ankerite and sulphides consist of trace Py.										
		501.19- 505.90 : S1										
		Conglomerate lens composed mainly of grit sized clasts (<1.5cm) with scattered pebbles to 8cm. The conglomerate seems to have slumped into or been injected by mudstone which randomly winds through the unit.										

DESCRIPTION (Hole no AK08-02)								Samples / Assays				
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
510.95	**528.10**	**S1**										
		Back into a unit of gritty conglomerate in which the clasts are generally finer (<1.5cm) with about 5% that										
		are up to 5cm. Many of the gritty clasts are subrounded to subangular in shape and most are altered to a										
		bland shades of a pale yellowish green colour. MS values remain low at 0.20- 0.32 and the matrix										
		continues weakly pervaded with ankerite while veining continues at approximately 1% white calcite/										
		ankerite fractures and veinlets. Mineralization runs nil/ trace.										
528.10	**548.90**	**S3/ S1/ S7**										
		Mixed zone composed of fine grained wacke containing conglomerate ((20%), gritty (20%) and mudstone										
		(10%) lenses. The wacke is fine grained, massive to matrix infilling, and medium greyish/ yellowish green										
		coloured while the conglomerate is composed of (sub)rounded pebbles to 5cm, most of which are										
		coloured in light beige/ yellow/ green/ grey tones with a clast supported framework. In the gritty zones, the										
		clasts tend to be 0.2- 1.5cm in size with scattered larger clasts, and, the mudstone is very fine grained,										
		massive to weakly bedded @ 25+/- DTCA, and light/ medium yellowish green coloured.										
		MS values throughout the interval, irregardless of the lithology, are low, between MS 0.22- 0.29 while all										
		phases also remain weakly pervaded with ankerite and are veined with 1% white calcite and ankerite										
		veinlets and stringers. No significant sulphides were detected.										
548.90	**555.00**	**S7**										
		Mainly very fine to fine grained mudstone and wacke with bedding highlighted by colour contrasts @ 30/										
		45 DTCA. Colours range from light creamy greenish yellow, to medium to dark greenish grey with various										
		sized beds ranging from mm scale to massive. At 550.70m, there are beds of rip up clasts that indicate										
		that tops are up hole. MS values are tightly confined within limits of 0.18 and 0.22, veining amounts to 1-										
		3% white carbonate veinlets and stringers, the matrix is pervaded with ankerite and the sulphide content										
		is nil/ trace.										
555.00	**591.00**	**S3**										
		The contact was arbitrarily taken at an apparent gradational change from a mudstone to very fine grained										
		wacke. Generally, the wacke is fine grained, medium greenish grey coloured, relatively fresh looking and										
		massive with local bedding indications where contrasted with very fine grained bands. There are also										
		lenses of gritty/ pebbly wacke and occasional scattered pebbles. Susceptibilities range within low limits of										
		0.20- 0.28 and poorly veined with <0.5% fine calcitic fractures and veinlets. There is a gradual transition										
		from weak pervasive ankerite in the matrix to calcite by about 572m. Sulphides continue to run nil/ trace.										
591.00	**599.80**	**S1**										
		Transition into polymict conglomerate similar to those above, with rounded clasts to 10cm and gritty and										
		wacke lenses. The framework is clast supported and the matrix begins to darken to a green black colour.										
		A few small jasper clasts are visible but dull orange/ pink pebbles continue to dominate. MS values climb										
		continually fro a low of 0.32 at the start to 9.44 at the end but veining remains constant at 0.5% calcite										
		fractures throughout while the matrix is essentially non reactive. Mineralization runs nil/ trace.										
599.80	**606.00**	**S3**										
		Out of the conglomerate and into a pebbly wacke that consists of fine grained, very dark grey, massive										
		wacke that contains scattered pebbles and pebbly and gritty lenses. The dark colour, probably caused by										
		a contact metamorphic effect of the mafic syenite dike that follows, makes it difficult to distinguish the										
		clasts from matrix by the end of the interval. MS values rise gradually from 0.53 to 10.9 through the										

DESCRIPTION (Hole no AK08-02)			Samples / Assays									
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		interval, veining remains constant at 0.5%, the matrix is non reactive, and, sulphides consist of trace fine Py grains.										
606.00	**609.25**	**V4**										
		A possible contact into a trachyte flow(?) is lost in the black colouration of each lithology. The texture, however, appears to change to fine grained, massive, dark reddish grey/ black with no apparent clasts although weak alteration highlights brecciated flow material approaching the contact. Magnetics range from values of 2.35- 1.18 on the flanks grading to 5.33 in the middle. Veining comprises 1% fine thready calcite fractures while the matrix was non reactive. No significant sulphides were noted.										
609.25	**833.70**	**3D**										
		A fairly well defined contact @ 60 DTCA leads into a thick dike of a strange type of diabase. It is characterized by an extremely homogenous, medium/ coarse salt and pepper type texture that is composed of 2- 5mm, dark greenish grey altered, diffuse, mafic (augite?) grains/ crystals in a fine grained, dull yellowish buff feldspathic(?) groundmass. The susceptibility rises gradually to 12.2 about 3m into the dike and then decreases rapidly to a stable lower platform of 0.41- 0.67. It is essentially devoid of veining but was found to be weakly/ moderately infused with ankerite when tested for carbonate composition. Sulphides are nil/ trace.										
		780.80- 781.08 : QCVZ										
		strange creamy white fracturing and trailing 8cm quartz- carbonate vein @ 70 DTCA in which the fractures are pale blue coloured (chloritoid/ glaucophane?). No sulphides were noted										
		833.63- 833.68 : QCVZ	0.5	N			64472	832.50	833.50	1.00	0.01	-
		strange zone of 40% streaky/ shreddy dull grey calcite ends in a 1cm rind of orange alteration @ about 75	18	0.5	75	QCVZ	64473	833.50	834.00	0.50	0.03	0.02
		DTCA. The zone is mineralized with mustard type smears and splashes of Cp. The host contains about	N	tr			64474	834.00	835.00	1.00	11.79	12.21
		20% orange gashy "sweats" of K spar for 2.5m down hole that are mineralized with anomalous to 5% Cp					67851	833.50	834.00	0.50	0.01	-
		and Py over 10cm in places.				1/4 core	67849	834.00	835.00	1.00	2.91	2.88
			0.5	tr		1/4 core	67850	835.00	836.00	1.00	0.01	-
833.70	**884.00**	**S1**										
		Below the QCVZ, there is a return to a conglomerate unit that is characterized by a dark/ medium greenish grey matrix that appears to exhibit a chloritized alteration halo adjacent to the mafic syenite which has masked the granular texture, and, a mix of 60% grungy medium grey/ green/ brown clasts that are barely discernable from the matrix, and 40% medium orange altered, and, porphyritic alkalic ones. No jaspers were noted in the matrix. MS values are uniformly low at 0.34- 0.89, the matrix remains weakly pervasively ankeritic, and veining comprises 0.5- 1% diffuse calcite veinlets and stringers to 1cm. No significant sulphides were noted.										
884.00	**1067.65**	**3D**										
		The leading contact occurs in a finely shredded, 7cm epidote zone @ about 65 DTCA. The hole re-enters a massive, homogenous mafic (diabase) dike that is fine/ medium grained to 894m, and then becomes medium/ coarse grained for the remainder. The colour is fairly consistent at medium/ dark greenish grey as are the susceptibilities at 0.46- 0.54 in both phases. It is poorly veined with 0.5% fine dull white calcite veinlets whereas the matrix is weakly pervaded with ankerite, and, it is not mineralized.										
		1067.50- 1067.70 : CZ	1	N			64475	1066.50	1067.50	1.00	0.08	0.08
		Both the diabase and matrix of the conglomerate are fine/ medium grained and dark greenish grey	1	0.5		CZ	64476	1067.50	1068.00	0.50	0.27	0.27
		coloured with lensey/ streaky syenitic sweats of syenitic pebbles, respectively, making the pinpointing of	1	N			64477	1068.00	1069.00	1.00	Nil	Nil
		the contact difficult. However, it appears to track at a low angle to the core axis. A few splashes/ blebs of										

DESCRIPTION (Hole no AK08-02)								Samples / Assays					
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		Py and Cp occur within a few cm of the contact.										
1068.65	**1104.70**	**S1**										
		As mentioned, the contact is not well defined but it leads into a dark greenish grey coloured, polymict,										
		chloritized conglomerate. The felsitic/ porphyritic clasts (5%) are contrasted against the matrix in which										
		the granular texture is washed out, and, against partially chloritized fine grained mafic/ sedimentary										
		pebbles which tend to blend together. The felsitic clasts range up to 7cm but most of the mafic/										
		sedimentary clasts are < 2.0 cm in size. No jaspers were noted. MS values are low at the start (0.45-										
		0.79) and the matrix remains weakly ankeritic. Veining is negligible (<1%) and mineralization consists of										
		trace Py apart from the splashes/ blebs of Cp and Py at the start.										
		1192.60- 1193.40 : SHZ										
		The zone begins and ends with diffuse calcite vein material paralleling a weak foliation fabric defined by										
		difuse streaky calcite @ 40 DTCA. It is mineralized with trace fine/ medium Py.										
1104.70	**1158.00**	**3D**										
		This time the diabase enters on a 0.8m fine grained chilled contact zone @ 25 DTCA before reverting to										
		the typical medium/ coarse grained, massive, homogenous, medium greyish green phase. The magnetics										
		remain low and tightly constrained for a diabase at MS 0.47- 0.51 while ankerite continues to pervade the										
		matrix. Veining comprises 1- 2% fine calcite and epidote fractures and veinlets and mineralization is weak										
		at nil/ trace.										
1158.00		**EOH**										
		The hole was terminated at this point to set a wedge to deflect the hole to the west.										
		Wedge										
1153.70	**1161.35**	**3D**										
		coring begins again at 1153.70m, drilling beside the wedge to 1154.75m at which point the core is full.										
		The hole continues in the diabase as described at 1104.70m, becoming fine grained, massive, and dark/										
		medium grey over the lower 3.5m to the contact which is not really distinguishable from the fine grained										
		sediments that follow. MS values are low (0.45- 55), veining is minimal at 0.5% white calcite fractures, the										
		matrix is weakly pervaded wth ankerite, and sulphides run trace.										
1161.35	**1190.06**	**S3**										
		The contact is indistinct with both the dike and wacke being fine grained, massive, homogenous, and										
		dark/ medium greenish grey coloured. Because of the proximity to the dike, there is a contact										
		metamorphic effect that has tended to homogenize the granular texture. Even the susceptibilities continue										
		within similar limits of 0.42- 0.67 and veining remains negligible consisting of 0.5% fine calcite fractures										
		and veinlets with very rare patches of vein material. There is a conversion to weak pervasive calcite										
		alteration with a weak response to ankerite locally. Mineralization remains at nil/ trace.										
1190.06	**1446.00**	**S1**										
		Transitional contact into a conglomerate dominated domain in which the clasts are generally rounded, grit										
		to 11cm in size (some to 21cm), polymict, and found in lenses with an intact framework (clast supported)										
		with local wacke lenses and matrix. The upper 14m contain very few felsic/ syenite (pinkish coloured)										
		clasts and red jasper grains, however, below, they are both more prominent. Susceptibilities are slightly										
		erratic between low limits of 0.30- 1.38 and the matrix is mainly pervaded with weak calcite although there										
		are local weak indications of pervasive ankerite as well. Between 1225 $ 1253m, it is only ankeritic and										
		the veining is ankeritic as well. Otherwise, veining consists of 0.5- 1% fractures and veinlets of calcite										

DESCRIPTION (Hole no AK08-02)								Samples / Assays					
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		while mineralization comprises trace Py grains and crystals.										
		1302.00- 1302.18 : FAZ										
		actually a weak fault @ 45 DTCA consisting of several chlorite slips and streaks of ankerite with a splash of Cp										
		1302.18- 1446.00 : S1 (ank)										
		The polymict clast supported conglomerate with wacke matrix and lenses continues but the matrix becomes weakly pervaded with ankerite. Veining (2- 3%) is mainly ankeritic to 1320m and then is mixed ankerite/ calcite/ quartz. Red jasper grains and clasts are common and MS values range between 0.30- 0.45.										
		1348.76- 1348.81 : FAZ										
		weak chlorite fractured fault with a 3mm mud gouge lining @ 45 DTCA and a few ankerite gashes but no sulphides. The walls over 2m up, and 4m down hole are moderately well fractured in sympathy with the fault.										
		1438.56- 1438.66 : QCVZ										
		zone of streaky chlorite/ sericite fractured ankerite- quartz vein material roughly oriented @ 30- 35 DTCA. There are no anomalous sulphides associated with the vein/ structure.										
		1444.03- 1444.33 : QCVZ	3	tr			64478	1443.00	1443.90	0.90	0.01	-
		zone of fractured ankerite vein material leads on a chlorite slip and 1.5cm quartz stringer @ 55 DTCA.	35	0.5	55	QCVZ	64479	1443.90	1444.40	0.50	0.02	-
		The fracturing is somewhat sinuous with sericite and chlorite fillings. The zone is mineralized with anomalous to 0.5% clots of Py grains.	3	tr			64480	1444.40	1445.50	1.10	Nil	-
1446.00		**WEDGE**										
		The hole was stopped to set a wedge to deflect the hole to the west and down.										
1442.30	**1443.50**	**WEDGE CUT/ S1**										
		The core cuts the trace of the previous hole beginning as thin arcs of core that become thicker and solid by the end. The host is conglomerate. The hole is designated AK08-2B by the drillers but continues as AK08- 02 for logging purposes.										
1443.50	**1464.06**	**S1**										
		The hole continues in polymict conglomerate as described above at 1190.06m including, rounded clasts from grit size to 8cm of variable compositions in a clast supported framework with local medium greenish grey wacke and grit lenses and matrix. MS values hover around 0.40 and the matrix and 0.5% veining is ankeritic. Mineralization consists of rare trace crystals of Py.										
		1444.33- 1444.40 : QCVZ										
		This appears to be the same weak structure (@ 65 DTCA) as described and sampled at 1444.20m above.										
		1458.60- 1464.06 : S3										
		Gradational change to a finer gritty conglomerate which becomes dominated by wacke from this point down. It contains several grit lenses near the start but by 1460.30m, comprises fine grained, massive, medium greenish grey coloured wacke. MS values remain around 0.40 but sections of the matrix contain patches of pervasive calcite alteration. Mineralization consists of trace Py.										
			0.5	N			64481	1463.00	1464.00	1.00	Nil	-

DESCRIPTION (Hole no AK08-02)						Samples / Assays							
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
1464.06	**1469.25**	**CARB**	0.5	tr		CARB	64482	1464.00	1465.00	1.00	Nil	-
		Strange carbonate zone that has some primary features such as being fairly massive, conformable to	0.5	tr		CARB	64483	1465.00	1466.00	1.00	Nil	-
		bedding and possibly slumped. It comprises discrete fine grained, bulbous buff/ dull white to pale buff	0.5	0.5		CARB	64484	1466.00	1467.00	1.00	Nil	-
		green coloured masses with lighter carbonate alteration bleeding out and overprinting the interlensed	0.5	0.5		CARB	64485	1467.00	1468.00	1.00	Nil	Nil
		wacke. In places, fine red jasper grains were noted inside the carbonate zone suggesting that it may in	0.5	0.5		CARB	64486	1468.00	1469.00	1.00	0.01	-
		fact be an alteration feature. It is irregularly fractured with diffuse sericite- calcite fracture fillings along	0.5	tr		CARB	64487	1469.00	1470.00	1.00	Nil	-
		with minor fine trace to anomalous Py.										
1469.25	**1485.40**	**S1**										
		Below the CARB horizon, the hole traverses a finely pebbled conglomerate that resembles a pea gravel or										
		terrazzo type of texture with most clasts in a grit to 1.5cm range and rare clasts to 5cm. It remains										
		polymict (including red jasper) and clast supported with grit and wacke matrix. It is pervaded by ankerite,										
		weakly veined (<0.5%), weakly magnetic (average MS 0.30) and poorly mineralized with trace Py.										
1485.40	**1499.25**	**S3**										
		Below the conglomerate, there are a series of interdigitated grit and wacke lenses that become sericitized										
		around several quartz- ankerite stringers. Below 1490.35m, the grit lenses end and the sericite alteration										
		decreases leading into massive, fine grained, light yellowish grey/ green wacke. It is pervaded with										
		ankerite and veined with 4% ankerite/ quartz veinlets and very weakly magnetic (MS 0.18- 0.29). Neither										
		the matrix or the vein zone is significantly mineralized (trace).										
		1485.70- 1486.40 : QCVZ										
		series (25%) of 1- 5cm gashy/ streaky white quartz- ankerite stringers @ 30 DTCA with well										
		microfractured sericitic walls and weak sericite alteration to about 1500m. The zone is weakly mineralized										
		with trace fine Py.										
		1496.50- 1497.30 : BBC										
		Section of splintered core with no apparent fracturing or structure.										
1499.25	**1511.30**	**S1**										
		Gradual change back into a gritty to pea gravel type of conglomerate with most clasts around 0.5- 1cm but										
		containing a few lenses and scattered pebbles to 6cm. The clasts are rounded and represent various										
		lithological compositions, including jasper, within an intact (clast supported) framework. It is pervaded and										
		weakly veined (<0.5%) with ankerite and mildly magnetic within a narrow corridor of MS 0.0.24- 0.30.										
		Sulphides run trace.										
		1504.55- 1504.58 : QCVZ										
		This 1.5cm white ankerite- quartz stringer along a chlorite slip @ 20 DTCA is essentially the only veining										
		in the interval.										
1511.30	**1528.65**	**S3**										
		Gradational contact back into a relatively massive, fine to very fine grained, light (/medium) yellowish grey										
		green coloured wacke unit with local subtle rip up clasts of mudstone (1514.20m) and faint bedding @										
		45+/- DTCA. It was found to be pervasively moderately ankeritic with 2% irregular white ankerite fractures										
		and veinlets and very weakly magnetic at MS 0.15- 0.20. Mineralization comprises trace fine grains and										
		splashes of Py and Cp, mainly associated with veining.										
1528.65	**1551.35**	**S7**										
		Through a fairly sharp contact @ 40 DTCA, the hole enters a bedded to laminated, very fine grained to										

DESCRIPTION (Hole no AK08-02)								Samples / Assays					
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		aphanitic, light olive yellow to medium greyish green coloured/ altered mudstone sequence. Bedding										
		attitudes are uniformly oriented @ 45- 50 DTCA with local contorted sections and lode casting suggesting										
		that tops may be up hole. MS values are uniformly low at 0.13- 0.20 while the matrix remains moderately										
		pervaded with ankerite. Veining comprises 3% dull white ankerite (/quartz) veinlets and stringers with										
		mineralization running trace.										
			7	tr			64488	1539.50	1540.50	1.00	Nil	-
		1540.90- 1540.95 : FAZ/ QCVZ	12	tr	50	FAZ	64489	1540.50	1541.20	0.70	Nil	-
		Medium grey coloured, fine cataclastic/ mylonitic fault with quartz- ankerite speckles and streaks @ 50	7	tr			64490	1541.20	1542.45	1.25	Nil	-
		DTCA. The vein, as well as a preceding stringer, is mineralized with trace fine splashes of Cp.										
		1547.85- 1548.15 : CARB										
		Zone of medium/ light grey carbonate overprinting the host mudstone and associated with a leading										
		carbonate chlorite fracture zone and vein @ 25 DTCA. It is mineralized with trace fine grains and										
		splashes of Py and Cp.										
		1551.30- 1551.35 : QCVZ/ FAZ										
		The lower contact of the mudstone unit was taken at a 6cm, unmineralized, ankerite- quartz vein zone										
		with sericitic and chloritic fractures @ 45 DTCA.										
1551.35	**1753.19**	**S3**										
		The hole returns to a fine grained to slightly gritty (with jasper grains), massive to very weakly/ faintly										
		bedded (@ 50 DTCA), light yellowish green/ grey coloured wacke that contains rare scattered pebbles.										
		The yellow tone is caused by weak to moderate pervasive sericite and ankerite alteration of the matrix										
		while veining consists of 1- 2% irregular/ variable white ankerite/ quartz veinlets and fractures. Trace										
		sulphides were noted in the wacke.										
		1630.20- 1630.25 : FAZ										
		weak 3cm chlorite crush fault zone @ 50 DTCA										
		1633.50- 1636.00 : S1										
		zone of gritty to pea gravel conglomerate in which the largest pebble is 1.5cm. Contacts are gradational										
		and the clasts are polymict.										
		1656.0- 1659.50 : QCVZ										
		weak zone of irregular white ankerite- quartz veinlets and stringers with trace to slightly anomalous fine Py										
		crystals in the wall that cut the core @ 45/ 30 DTCA.										
			4	tr			64491	1683.00	1684.00	1.00	0.01	-
		1684.14- 1684.24 : QCVZ	20	tr	35	QCVZ	64492	1684.00	1684.40	0.40	NIL	-
		carbonatized zone with quartz- ankerite vein linings and sharp contacts @ 35 DTCA, mineralized with	1	tr			64493	1684.40	1685.40	1.00	NIL	-
		trace to anomalous fine Py	5	tr			64494	1685.40	1686.40	1.00	0.01	-
		1689.40- 1692.65 : S7										
		A zone of very fine grained, light creamy beigey yellow and medium olive grey/ green, massive and										
		bedded (@ 75 DTCA) mudstone with local slumping(?) along the core axis over a metre at the base.										
			65	tr		QCVZ	64495	1711.50	1712.50	1.00	0.01	-
		1711.75- 1712.80 : QCVZ	50	tr	40	QCVZ	64496	1712.50	1713.00	0.50	0.01	-
		Zone of cherty looking carbonate vein material and silicification along the core axis ends with a 4cm	3	tr		CARB	64497	1713.00	1714.00	1.00	0.01	-
		quartz- carbonate vein @ 40 DTCA. The vein material and walls are mineralized with trace to slightly	3	tr		CARB	64498	1714.00	1715.00	1.00	NIL	-
		anomalous fine Py crystals.										
			4	tr			64499	1716.90	1717.85	0.95	0.01	-

DESCRIPTION (Hole no AK08-02)								Samples / Assays				
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		1717.85- 1718.40 : QCVZ	80	0.5	15	QCVZ	64500	1717.85	1718.40	0.55	0.04	0.06
		Foliated/ fractured/ streaked ankerite- quartz vein zone @ about 15 DTCA mineralized with 0.5% fine	7	tr			64601	1718.40	1719.35	0.95	NIL	-
		grains, splashes and crystals of Py and Cp.										
			3	tr			64602	1742.25	1743.25	1.00	NIL	-
		1743.52- 1743.64 : QCVZ	15	tr	35	QCVZ	64603	1743.25	1743.80	0.55	0.01	-
		A weak 3cm foliated zone precedes a 4cm white quartz- ankerite vein @ 35 DTCA. The shear contain a	1	tr			64604	1743.80	1745.00	1.20	NIL	-
		few splashes of Cp but sulphides run trace overall.										
			4	tr			64605	1751.00	1752.00	1.00	0.01	-
1753.19	**1872.40**	**1Spa**	4	tr			64606	1752.00	1753.10	1.10	0.01	-
		A syenite porphyry dike cuts the sedimentary package beginning with a sharp contact on a moly- mud slip	20	1		QCVZ	64607	1753.10	1753.40	0.30	0.01	NIL
		and 4cm quartz- chlorite vein @ 50 DTCA. The upper 2.5m are moderately microfractured and sericite/	3	0.5		1Spa	64608	1753.40	1754.00	0.60	NIL	-
		muscovite (light yellowish green mica) altered to a mottled dull greenish grey colour while the remainder	2	tr		1Spa	64609	1754.00	1755.00	1.00	0.01	-
		is mottled n shades of medium greyish orange. Overall, however, it is medium grained, massive and	2	tr		1Spa	64610	1755.00	1756.00	1.00	0.01	-
		homogenous composed of about 20% diffuse/ faintly visible, 2-3mm, subhedral, dull white feldspar	1	tr		1Spa	64611	1756.00	1757.00	1.00	0.01	-
		phenocrysts in a fine grained, feldspathic groundmass with 5- 10% dark green altered mafic grains,	1	tr		1Spa	64612	1757.00	1758.00	1.00	0.01	-
		inclusions and interstitial matter.	5	tr		1Spa	64613	1758.00	1759.00	1.00	NIL	-
		MS values are low at the start (0.21/ 0.20) but rise gradually through the interval to a moderate range of										
		5.85- 11.1 (average about 7.00) below 1773m. The porphyry is weakly pervaded with ankerite and veined										
		with 4- 6% creamy white, ankerite/ quartz fractures and veinlets, mostly at high angles (60-75 degrees) to										
		the core axis. The dike is slightly mineralized (anomalous) near the start but trace fine to medium Py										
		crystals in the remainder except as noted. Outside of the contact, a few random check samples were										
		taken.										
		1753.19- 1753.26 : QCVZ										
		A moly- mud slip and 4cm quartz- chlorite vein @ 50 DTCA form the leading contact of the porphyry. The										
		chlorite fractures are mineralized with 2% fine Py fillings.										
			8	tr		1Spa	64614	1768.00	1769.00	1.00	0.01	-
		1770.30- 1770.34 : QCVZ/ FAZ	6	tr		1Spa	64615	1769.00	1770.00	1.00	NIL	-
		2.5cm streaked quartz- carbonate (pale orange) -chlorite fracture zone @ 55 DTCA.	8	tr		1Spa	64616	1770.00	1771.00	1.00	NIL	-
			6	tr		1Spa	64617	1771.00	1772.00	1.00	NIL	-
		1789.50- 1814.00 : 1Spa										
		Through this interval, the altered syenite porphyry is medium brownish/ pinkish grey altered while	7	tr		1Spa	64618	1785.00	1786.00	1.00	0.01	-
		maintaining the character of the host as described, but the matrix becomes non reactive with local calcitic	7	tr		1Spa	64619	1786.00	1787.00	1.00	NIL	-
		patches and the veining becomes dominantly calcitic. There is a subtle increase in the average	7	tr		1Spa	64620	1787.00	1788.00	1.00	0.01	-
		susceptibilities to about 8.5 over the first 8m and then a gradual decrease to 6.5 by 1812m. The MS	7	tr		1Spa	64621	1788.00	1789.00	1.00	NIL	-
		values appear to correlate directly (decrease) with light orange alteration around secondary veining.										
			4	tr		1Spa	64622	1815.00	1816.00	1.00	0.01	0.01
		1814.00- 1821.00 : 1Spa/ QCVZ	15	tr		1Spa	64623	1816.00	1817.00	1.00	NIL	-
		Zone of 8% late quartz- carbonate fractures and irregular stringers mainly at the start and end of the	12	tr		1Spa	64624	1817.00	1818.00	1.00	NIL	-
		interval with a corresponding decrease in MS values to 0.49- 3.77. No significant increase in sulphide	4	tr		1Spa	64625	1818.00	1819.00	1.00	NIL	-
		mineralization was noted around the veins.	6	tr		1Spa	64626	1819.00	1820.00	1.00	NIL	NIL
			12	tr		1Spa	64627	1820.00	1821.00	1.00	NIL	-
		1829.00- 1852.00 : 1Spa (magn)	3	tr		1Spa	64628	1821.00	1822.00	1.00	NIL	-
		A return here to a more magnetic zone (MS 4.99- 8.21) in which the colour is dark greyish brown and										
		veining stands at approximately 2%.	2	tr		1Spa	64629	1854.00	1855.00	1.00	NIL	-
			10	tr		1Spa	64630	1855.00	1856.00	1.00	0.01	0.01
		1852.00- 1872.40 : 1Spa (non magn)	7	tr		1Spa	64631	1856.00	1857.00	1.00	NIL	-
		There is a gradual decline in MS values to an undulatory trough (0.20- 2.24) from the start to 1861m and	8	0.5		1Spa	64632	1857.00	1858.00	1.00	NIL	-
		then a very gradational, progressive decrease in the MS values to the lower contact of the dike (from MS	8	0.5		1Spa	64633	1858.00	1859.00	1.00	NIL	-
		3.26- 0.14). The low values in the trough correspond with an increase to 6% calcite/ quartz/ specularite	2	tr		1Spa	64634	1859.00	1860.00	1.00	NIL	-

DESCRIPTION (Hole no AK08-02)			Samples / Assays									
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		fractures, veinlets and gashy stringers and very slightly anomalous Py. The trailing 3.5m of the interval are										
		moderately well microfractured with anomalous very fine Py but only about 1% veining. The lower contact	1	tr		1Spa	64635	1866.00	1867.00	1.00	NIL	-
		of the porphyry is sharp @ 35 DTCA.	4	tr		1Spa	64636	1867.00	1868.00	1.00	NIL	-
			8	tr		1Spa	64637	1868.00	1869.00	1.00	NIL	-
		1870.74- 1870.76 : FAZ	2	0.5		1Spa	64638	1869.00	1870.00	1.00	NIL	-
		2.0cm dry mud/ gouge fault @ 45 DTCA	2	0.5		1Spa	64639	1870.00	1871.00	1.00	NIL	-
			8	tr		1Spa	64640	1871.00	1872.00	1.00	NIL	NIL
			1	tr		1Spa	64641	1872.00	1872.40	0.40	0.01	-
			2	tr			64642	1872.40	1873.00	0.60	NIL	-
1872.40	**1905.55**	**S7**	1	tr			64643	1873.00	1874.00	1.00	NIL	-
		The dike exits into a sequence of very fine grained to aphanitic, massive to well bedded (@ 35/ 50/ 55										
		DTCA) with local slump features, light to medium greyish to yellowish green coloured, mudstones and										
		fine grained wackes. MS values are fairly steady at 0.14- 0.25 and the matrix is weakly pervaded with										
		ankerite throughout. It is only weakly veined with 0.5% fine calcite fractures and veinlets while										
		mineralization comprises trace fine Py grains and small alteration pods filled with Py.										
		1905.00- 1905.55 : 1Spa										
		Well microfractured syenite porphyry in which the phenos are altered to a medium brownish grey colour										
		and the matrix is light greyish beige. The contacts of the dike coincide with a leading pile of fine gravel										
		(minor FAZ) @ 60 DTCA and the trailing one is sharp @ 30 DTCA. It is weakly mineralized with										
		anomalous medium Py crystals.										
			2	tr			64644	1904.00	1905.00	1.00	0.01	-
1905.55	**1943.40**	**S3/ V9**	5	tr		1Spa	64645	1905.00	1905.55	0.55	0.01	-
		Below the dike, the sediment becomes slightly coarser but is still fine grained and contains rare jasper	4	tr			64646	1905.55	1906.55	1.00	0.01	0.02
		grains. Overall, it is massive with a faint fabric developed along whispy calcitic fractures which may reflect										
		an original very weak bedding fabric, granular textured and medium dull green coloured. The wacke										
		begins with a low susceptibility (MS 0.26- 0.31) over the first 14m of the interval and then increases to a										
		modulating field with limits of 1.22- 21.1, with values clustering around 7.00. This increase in magnetics										
		may indicate a change to more tuffaceous nature. The matrix remains weakly pervaded with ankerite but										
		the 2- 4% veinlets cutting the host are calcitic. Sulphides consist of trace Py grains.										
		1939.00- 1943.40 : S3/ V9										
		The lower section of the wacke unit becomes weakly foliated/ bedded @ 20+/- DTCA and the magnetics										
		are very erratic with values bouncing between 5.24 and 14.2. There is a thin wedge of trachyte tuff along										
		the edge of the core about a metre from the contact.										
			1	tr		V4V9l	64647	1945.00	1946.00	1.00	NIL	-
1943.40	**1962.55**	**V4V9l**	1	tr		V4V9l	64648	1946.00	1947.00	1.00	0.02	-
		The hole traverses a trachytic lapilli/ crystal tuff unit through a diffuse serrated contact @ 25 DTCA. It is	4	tr		V4V9l	64649	1947.00	1948.00	1.00	0.01	-
		characterized by a medium/ light greyish brown colour, a medium to fine grained granular texture with	7	tr		V4V9l	64650	1948.00	1949.00	1.00	0.01	-
		numerous feldspar crystals and zones of grey/ black specularite altered clasts/ streaks to 1cm, a massive	3	tr		V4V9l	64651	1949.00	1950.00	1.00	0.01	-
		nature but with a weak foliation fabric @ about 25+/- DTCA that is highlighted by the elongation of the	12	tr		V4V9l	64652	1950.00	1951.00	1.00	0.01	-
		grey/ black streaks and some streaky dark grey bedding/ fracture(?) planes.	12	tr		V4V9l	64653	1951.00	1952.00	1.00	0.01	-
		MS values begin elevated at 15.4- 19.9 and drop to a lower level of 0.25- 2.91 from 1948- 1957m before	15	0.5		V4V9l	64654	1952.00	1953.00	1.00	NIL	-
		rising to as high as 36.8 below this point. The drop in magnetics appears to coincide with an increase in	25	tr		V4V9l	64655	1953.00	1954.00	1.00	NIL	-
		ankerite/ specularite/ hematite fractures and veinlets to 12% from a background of 1- 2%. The unit	15	tr		V4V9l	64656	1954.00	1955.00	1.00	0.01	-
		contains trace sulphides overall but very fine dusty Py becomes anomalous through the magnetic low	15	tr		V4V9l	64657	1955.00	1956.00	1.00	NIL	-
		area.	7	tr		V4V9l	64658	1956.00	1957.00	1.00	0.01	-
			3	tr		V4V9l	64659	1957.00	1958.00	1.00	NIL	NIL
1962.55	**1998.00**	**S7/ V4V9l**										

DESCRIPTION (Hole no AK08-02)								Samples / Assays					
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		Well defined contact @ 30 DTCA ends the main trachyte lapilli tuff horizon although there are a number	1	tr			67853	1958.00	1959.00	1.00	0.01	-
		similar lenses interbedded with the mudstone (see below). The host mudstone tends to be very fine	1	tr			67854	1959.00	1960.00	1.00	0.02	-
		grained to aphanitic, crudely bedded @ 25- 30 DTCA with streaky narrow lenses of the tuffaceous	1	tr			67855	1960.00	1961.00	1.00	NIL	-
		material in addition to the wider zones, and light greenish grey coloured. The tuffs form approximately	1	tr			67856	1961.00	1962.00	1.00	NIL	-
		60% of the interval to 1977m and then <5% below.	1	tr			67857	1962.00	1963.00	1.00	0.02	-
		MS values increase from 3.28 at the start to 19.8 at 1968.60m, and then decrease steadily to a low range	1	tr			67858	1963.00	1964.00	1.00	NIL	-
		of 0.20- 0.38 below 1971m. The host is cut by 6- 8% irregular to gashy ankerite/ quartz veinlets, stringers	1	tr			67859	1964.00	1965.00	1.00	0.14	-
		and patches along with black/ dark green chlorite and specularite fractures and streaks and very fine	1	tr			67860	1965.00	1966.00	1.00	0.02	-
		thready sericite microfractures. The matrix is pervaded with ankerite and mineralized with trace very fine	1	tr			67861	1966.00	1967.00	1.00	0.01	-
		dusty Py with local concentrations to 0.5% over 10cm or so around some stringers.	1	tr			67862	1967.00	1968.00	1.00	0.02	-
			3	tr			64660	1968.00	1969.00	1.00	NIL	-
		1967.30- 1973.30 : V4V9l	12	tr		V4V9l	64661	1969.00	1970.00	1.00	NIL	-
		This section is mainly comprised of the trachytic tuff as described at 1943.40m, a medium/ light greyish	7	tr		V4V9l	64662	1970.00	1971.00	1.00	NIL	-
		brown colour, a medium to fine grained granular texture with numerous feldspar crystals and felsic	15	tr		V4V9l	64663	1971.00	1972.00	1.00	NIL	-
		shreds, a weak foliation fabric @ about 20- 35 DTCA that is highlighted by the elongation of the grey/	3	tr		V4V9l	64664	1972.00	1973.00	1.00	NIL	-
		black streaks. Contacts with the mudstone are generally wavy/ irregular @ 20- 30 DTCA. The trailing	30	1		V4V9l	64665	1973.00	1973.65	0.65	0.11	0.11
		contact was taken at a 24cm quartz- ankerite fracture vein zone @ 40/ 40 DTCA.	4	tr			64666	1973.65	1974.75	1.10	0.15	-
		Susceptibilities decrease through the tuff from 19.8 at the start to 0.32 by the end. Veining comprises 7%	8	tr			64667	1974.75	1975.80	1.05	NIL	-
		streaks, veinlets, fractures, and patches of carbonate/ quartz/ chlorite/ specularite while the matrix is	12	tr			64668	1975.75	1976.80	1.05	NIL	-
		pervasively ankeritic. The zone is mineralized with trace fine dusty grains of Py.	8	tr	45	QCVZ	64669	1976.80	1977.40	0.60	0.02	-
			1	tr			64670	1977.40	1978.50	1.10	0.12	-
		177.15- 1977.25 : QCVZ										
		35% ankerite- hematite vein material @ 45 DTCA with anomalous (but <0.5%) very fine Py.										
		1987.75- 1987.90 : FAZ										
		the FAZ was recovered as a pile of chips/ gravel/ gouge with a possible attitude of 30 DTCA.										
			8	tr			64671	1992.40	1993.50	1.10	NIL	-
		1993.50- 1993.60 : V4V9	10	tr			64672	1993.50	1994.60	1.10	NIL	-
		Narrow lens of the trachytic tuff as previously described at 1943.40 and 1967.30m. The contacts roughly	8	tr			64673	1994.60	1995.70	1.10	0.01	0.03
		parallel a weak fabric developed @ about 25 DTCA. It contains trace fine Py.										
1998.00	**2130.00**	**S3**										
		Change to a wacke at a small pile of broken core. Overall, it is fine grained, granular textured, medium										
		green coloured and massive to weakly bedded @ low angles (<20 DTCA) with the bedding enhanced by										
		fine fractures. MS values are fairly tightly constrained to a range of 0.23- 0.37 while the matrix is weakly										
		pervaded with ankerite along with local calcitic patches, becoming more calcitic down hole.. In addition, it										
		is mildly microfractured and cut by 2- 4% fine irregular calcite filled fractures. No significant mineralization										
		was noted (trace/ nil).										
		2064.00- 2130.0 : S3 (magn'c)										
		The wacke continues as described, massive to weakly bedded, medium greyish green coloured, and fine										
		grained, except that the host becomes moderately magnetic with MS values rising as high as 16.7 and										
		most values above 12.0. It is both weakly pervasively calcitic and ankeritic with trace Py. Below 2079m,										
		the magnetics begin to undulate between 2.09 and 14.7; weak pink calcite fractures and veinlets (3- 5%)										
		cut the core at low angles of 10- 25 DTCA and 30- 45 DTCA. There is also an increase in a pink coloured										
		(alkalic) component in the matrix.										
2130.00		**EOH**										
		The hole was stopped because it was approaching the north boundary of the property and is being										

DESCRIPTION (Hole no AK08-02)					Samples / Assays							
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		wedged to obtain a second cut at the intrusives and tuff.										

PROPERTY: Amalgamated Kirkland			HOLE NUMBER AK08-1E/F					
Province:	Ontario	**DATE LOGGED:** May 17- 21, 2008	**Grid:**	**7600 E**	**Method**	**Depth**	**Az**	**Dip**
Township	Teck	**LOGGED BY:** FR Ploeger		10080 N	Compass	Collar		
Started:	16-May-08	**DRILLED BY:** Benoit Diamond Drilling	**UTM:**	**569788 E**	reflex	1032	345.7	-85.8
Completed:	20-May-08	**UNITS:** Metres	**NAD 83**	**5330703N**		1044	238.8	-83.9
CORE SIZE:	NQ	**CORE LOCATION:** Upper Canada	**ELEV :**	**337 m**				
			LENGTH:	1099 m				
		Location: leased clm 328 (106667)						
PURPOSE:								
COMMENTS:								
SUMMARY LOG		**AK08-1E/F**						

From	To	Lithology	From	To	Metres	Au g/t	Cu%	
0.00	**1.00**	OVB						
1.00	**119.00**	S1/ S3						
106.05	**122.70**	V4V9						
122.70	**146.10**	V4V10/ V9						
146.10	**180.15**	V4V9/ S3						
180.15	**183.47**	S6						
183.47	**268.40**	S3						
268.40	**287.00**	V4V9						
287.00	**294.75**	S7						
294.75	**427.50**	S1						
427.50	**913.45**	S1						
913.45	**922.10**	FAZ/ S3						
922.10	**1016.00**	S1						
1016.00		**WEDGE**- wedge set immediately below 1016.00m						
1016.14	**1032.00**	**S1**						
1032.00		**Navi Drilling**						
		AK08-1F						
1022.00		**Wedge**						
1029.40	**1058.50**	**S1**						
1058.50	**1086.56**	**LC**						

1086.56	**1099.00**	**S1**						
1071.00		**Cement**						
1099.00		**EOH**						
Sample	Numbers	Certificates						
64458	64460	8W-1533-RG1 (Jun 6/ 08)						

DESCRIPTION (Hole no AK08-1E/F)							Samples / Assays					
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
0.00	**1.00**	OVB										
1.00	**119.00**	S1/ S3										
106.05	**122.70**	V4V9										
122.70	**146.10**	V4V10/ V9										
146.10	**180.15**	V4V9/ S3										
180.15	**183.47**	S6										
183.47	**268.40**	S3										
268.40	**287.00**	V4V9										
287.00	**294.75**	S7										
294.75	**427.50**	S1										
427.50	**913.45**	S1										
913.45	**922.10**	FAZ/ S3										
922.10	**1016.14**	S1										
1016.00		**WEDGE**- wedge set immediately below 1016.00m										
1016.14	**1032.00**	**S1**										
		Coring begins at 1116.14m as a thin wedge shaped, tapered piece that thickens and becomes a full round										
		piece of core by 1117.00m. As expected, the hole continues in typical Timiskaming, polymict, clast										
		supported conglomerate set in a fine grained greywacke matrix in which the clasts are rounded and range										
		in size from grit to 10cm but most are <4cm. They range widely in origin from sediments, to volcanics, to										
		porphyries to syenites and include the typical red jasper grains and pebbles.										
		The matrix was found to be weakly pervasively calcitic when tested with HCl as were fractures and										
		veinlets (<0.5%). Magnetic susceptibility (MS) readings indicate that values fluctuate within a narrow										
		range of 0.38- 4.46 while mineralization consists minor traces of very fine specks of pyrite (Py) and										
		chalcopyrite (Cp).										
1032.00		**Navi Drilling**										
		after about 9m of navi drilling, the drillers re-entered the hole and immediately stuck the rods and lost the										
		shell and bit. They lost a tube and overshot while trying to drill these out and had to wedge the hole. When										
		they began to drill past the wedge, they were fortunate to re-enter the navi drilling										
		AK08-1F										
1022.00		**Wedge**										
		a new wedge was set after the drillers had lost a shell, tube and overshot in the hole after sticking the										
		rods while reaming out the navi drill hole.										
1029.40	**1058.50**	**S1**										
		Coring resumes in conglomerate after bullnosing around the wedge at 1029.40m. The hole continues in										
		typical Timiskaming, polymict, clast supported conglomerate set in a fine grained greywacke matrix in										
		which the clasts are rounded and range in size from grit to 10cm but most are <4cm. They range widely in										
		origin from sediments, to volcanics, to porphyries to syenites and include the typical red jasper grains and										
		pebbles. Magnetic susceptibilities (MS) are fairly erratic as expected ranging between 0.82- 7.61 while the										
		matrix was found to be weakly pervaded with calcite along with local patches of ankerite. Veining										
		comprises 2- 4% calcite/ quartz fractures, veinlets, stringers, as well as a few veins to 8cm. Trace fine Py										
		grains were noted around some of the veins.										
			12	N			64458	1033.55	1034.50	0.95	0.02	-
		1034.60- 1034.70 : QCVZ	20	tr	30	QCVZ	64459	1034.50	1035.00	0.50	0.02	-
		8cm calcite- quartz vein @ 30 DTCA with 2% fine Py in the walls	4	N			64460	1035.00	1036.00	1.00	0.08	0.05

DESCRIPTION (Hole no AK08-1E/F)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		1051.20- 1058.50										
		At this point, the hole partially overcuts the previous navi drilling until by 1052.m, only a 0.5cm thickness of drill core separates the current hole from completely entering the navi drill hole. The wedge then thickens but at 1058.50m, enters the navi drill hole.										
		1055.00- 1056.00 : LC										
		The drillers report that they lost 1m of core at this point.										
1058.50	**1086.56**	**LC**										
		At this point, the drill string enters the navi drill hole and was reamed by the drillers to the face at 1086.56m.										
1086.56	**1099.00**	**S1**										
		The conglomerate resumes as described in the previous interval (1029.40m), typical Timiskaming, polymict, clast supported conglomerate set in a fine grained greywacke matrix in which the clasts are rounded and range in size from grit to 10cm but most are <4cm. They range widely in origin from sediments, to volcanics, to porphyries to syenites and include the typical red jasper grains and pebbles. In fact, at 1089.30m there is a polymict conglomerate *clast* mixed in with other clasts. MS values continue to undulate and veining and mineralization are negligible. The drillers put two footage blocks at 1095m (1092/ 1095) for some reason.										
1071.00		**Cement**										
		On May 20/ 08, the drillers planned to put a plug at 1071m and cement the hole back to the start of the contact with the navi drill hole. There is excessive vibration in the drill and it is hoped that the cementing will solve the problem.										
1099.00		**EOH**										

PROPERTY: Amalgamated Kirkland			HOLE NUMBER AK08-01D					
Province:	Ontario	**DATE LOGGED:** Feb 8- Apr 30, 2008	**Grid:**	**7600 E**	**Method**	**Depth**	**Az**	**Dip**
Township	Teck	**LOGGED BY:** FR Ploeger		10080 N	Compass	Collar		
Started:	07-Feb-08	**DRILLED BY:** Benoit Diamond Drilling	**UTM:**	**569788 E**	reflex	1467	262.6	-73.6
Completed:	30-Apr-08	**UNITS:** Metres	**NAD 83**	**5330703N**		1503	264.5	-72.9
CORE SIZE:	NQ	**CORE LOCATION:** Upper Canada	**ELEV :**	**337 m**		1560	267.8	-71.8
			LENGTH:	2202 m		1620	273.7	-70.4
		Location: leased clm 328 (106667)				1680	278.5	-69.2
PURPOSE:						1760	281.8	-67.9
						1821	285.6	-67.4
COMMENTS:						1880	286.9	-66.6
						1941	285.5	-66.1
						2001	285.5	-64.2
						2060	291.0	-64.0
						2130	293.1	-62.5
						2180	293.9	-62.1

SUMMARY LOG		AK08-01D						
From	**To**	**Lithology**	**From**	**To**	**Metres**	**Au g/t**	**Cu%**	
0.00	1.00	OVB						
1.00	119.00	S1/ S3						
106.05	122.7	V4V9						
122.7	146.1	V4V10/ V9						
146.1	180.15	V4V9/ S3						
180.15	183.47	S6						
183.47	268.4	S3						
268.4	287	V4V9						
287	294.75	S7						
294.75	427.5	S1						
427.5	913.45	S1						
913.45	922.1	FAZ/ S3						
922.1	1152	S1						
1080		WEDGE						
1080	1162	S1						
1162		WEDGE AK07-01C						
1162	1511	S1						
1372.00		**Wedge AK08-01D**						

1372.30	**1385.90**	**S1**						
1385.90	**1394.80**	**Navi Drilling**						
1394.80	**1452.00**	**S1**						
1452.00	**1455.00**	**Navi Drilling**						
1455.00	**1550.12**	**S1**						
1550.12	**1631.00**	**S7**						
1631.00	**1682.40**	**S3**						
1682.40	**1688.50**	**1Sa/ 1Sp**						
1688.50	**1699.80**	**S1**						
1699.80	**1715.05**	**1Sp/ 1Sa**						
1715.05	**1773.07**	**S1**						
1773.10	**1800.10**	**1Sp**						
1800.10	**1808.20**	**S1/ S3**						
1808.20	**1828.40**	**S3/ V9**						
1828.40	**1839.30**	**S1**						
1839.30	**1847.30**	**1Spa**						
1847.15	**1861.10**	**S7**						
1861.10	**1894.00**	**S3**						
1894.00	**1898.55**	**1Spa**						
1898.55	**1917.80**	**S3**						
1917.80	**2202.00**	**1Spa**						
2202.00		**EOH**						
Sample	Numbers	Certificates						
64261	64282	8W-0657-RG1 (						
64283	64316	8W-0673-RG1 (Mar 31/ 08)						
64317	64356	8W-0732-RG1 (Apr 4/ 08)						
64357	64366	8W-0805-RG1 (Apr 4/ 08)						
64367	64398	8W-0849-RG1 (Apr 11/ 08)						
64399	64421	8W-0881-RG1 (Apr 16/ 08)						
64422	64450	8W-1144-RG1 (May 7/ 08)						
64451	64457	8W-1145-RG1 (May 7/ 08)						

DESCRIPTION (Hole no AK08-01D)							Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
0.00	1.00	OVB										
1.00	119.00	S1/ S3										
106.05	122.70	V4V9										
122.70	146.10	V4V10/ V9										
146.10	180.15	V4V9/ S3										
180.15	183.47	S6										
183.47	268.40	S3										
268.40	287.00	V4V9										
287.00	294.75	S7										
294.75	427.50	S1										
427.50	913.45	S1										
913.45	922.10	FAZ/ S3										
922.10	1152.00	S1										
1080.00		WEDGE										
1080.00	1162.00	S1										
1162.00		WEDGE AK07-01C										
1162.00	1372.00	S1										
1372.00		**Wedge AK08-01D**										
1372.30	1385.90	**S1**										
		The coring begins at 1372.30m in typical polymict conglomerate complete with the jasper clasts and grains. The conglomerate contains a variety of pebble types ranging from mafic to ultramafic to felsic to pink (syenitic/ granitic) to porphyritic and is clast supported with a wacke to gritty matrix. Magnetic susceptibility (MS) values are variable within a lower range of 0.35- 1.90 although most fall between 0.40 and 0.59. When the matrix was tested for carbonate composition using dilute hydrochloric acid (HCl) and potassium ferricyanide (KFC) it was found to be weakly pervasively calcitic. Late veining consists of 1- 2% fine thready white gashes and fractures. Mineralization consists of trace scattered Py grains mainly related to fractures.											
1385.90	1394.80	**Navi Drilling**										
		In this section, the navi directional drilling was designed to flatten the dip and did not recover any core.										
1394.80	1452.00	**S1**										
		Polymict conglomerate as described at 1372.30m continues here. The conglomerate contains a variety of pebble types ranging from mafic to ultramafic to felsic to pink (syenitic/ granitic) to porphyritic and is clast supported with a wacke to gritty matrix. MS values continue mixed, the matrix is weakly pervaded with calcite, veining comprises <0.5% white calcite veinlets, and sulphides run trace.										
1452.00	1455.00	**Navi Drilling**										
		In this section, the navi directional drilling was designed to turn the azimuth east and did not recover any core. The drillers blocks indicate that navi drilling was conducted between 1461- 1464m, however, measurements from the previous navi drilling at 1394.80m suggest a footage of 1452m. Therefore, all of the following footages have been adjusted 9m (deducted) to reflect the true footage.										
1455.00	1550.12	**S1**										
		Polymict conglomerate as described at 1372.30m continues here. The conglomerate contains a variety of pebble types ranging from mafic to ultramafic to felsic to pink (syenitic/ granitic) to porphyritic and is clast supported with a wacke to gritty matrix. MS values continue mixed, the matrix is weakly pervaded with calcite, veining comprises <0.5% white calcite veinlets, and sulphides run trace.										

DESCRIPTION (Hole no AK08-01D)							Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		1503.60- 1517.65 : S1/ S3- there is a change to a gritty conglomerate with a significant decrease in										
		larger clasts (i.e. 1%> 2cm) with most below 1cm in size. There are no noticeable pink clasts but fine										
		jasper grains persist. There is no well defined bedding as contacts between phases are gradational.										
		1507.75- 1507.87 : QCVZ- 8cm dull white quartz- calcite vein material @ 45 DTCA with only trace										
		specks of Py										
		1517.65- 1525.30 : S1- back to polymict conglomerate with a local increase in the +2cm pebble content										
		although there are only rare pinkish coloured clasts.										
		1525.30- 1536.00 : S1/ S3- the gritty dominated phase returns generally as described at 1503.60m but										
		there is a slight increase in the +2cm pebble count to 2- 4%.										
		1536.00- 1545.20 : S1- the gritty zone grades back into pebbly section of the conglomerate zone at this										
		point although the most common size fraction remains around 1cm with perhaps 12% over 2cm.										
		1545.20- 1546.25 : S3- abrupt change to a completely fine grained, light/ medium grey, massive wacke										
		lens with sharp upper and lower contacts @ 55/ 50 DTCA.										
		1546.25- 1550.12 : S3/ S1- The end of the unit contains 1% pebbles over 2cm, some of which are rip up										
		clasts from the underlying unit. It consists mainly of fine to medium grained wacke to fine grit (<1cm)										
		which contains fine red jasper grains. There is also a subtle gradual change to pervasive weak ankerite										
		alteration with trace sulphides.										
1550.12	**1631.00**	**S7**										
		Sharp contact @ 50 DTCA with a desiccation/ mud crack filled with grit indicating that tops are up hole.										
		Generally, the mudstone is fine to very fine grained, light to medium greenish to yellowish grey coloured										
		and thick bedded to massive. In some areas, the bedding is highlighted or replaced by mild yellowish										
		sericite alteration (45+/- DTCA) which weakly pervades the matrix (1565.10m). In addition, ankerite also										
		permeates the mudstone and MS values are universally low and steady at 0.17- 0.21. Veining consists of										
		2% white ankerite veinlets and stringers at various angles to the core axis, the wider ones mineralized										
		with trace to anomalous fine Py, otherwise, mineralization runs trace.										
		1568.45- 1568.75 : QCVZ- zone of 70% ankerite- quartz veining centred on a mud slip @ 45 DTCA with	3	tr			64261	1567.40	1568.30	0.90	Nil	-
		sericite foliation/ shearing in the walls. trace to anomalous sulphides. This vein zone may be the focus of	50	tr	45	QCVZ	64262	1568.30	1569.00	0.70	0.01	0.01
		pervasive the sericite and ankerite alteration.	2	tr			64263	1569.00	1570.00	1.00	Nil	-
		1569.40- 1575.60 : S7/ S4- A zone that is well bedded/ laminated @ 45+/- DTCA with local soft										
		sediment features such as fragmented beds, load casts, disrupted bedding (tops up hole). The bedding is										
		accented by fine, pervasive yellowish sericite alteration.										
		1575.60- 1631.00 : S7- mudstone as described, very fine grained, light greenish grey with local										
		yellowish altered (sericitized) zones, massive to zones that are well bedded @ about 45 DTCA with local										
		disrupted textures. MS values are low and stable at 0.08- 0.22, the matrix is weakly pervaded with ankerite										
		with local sericite, veining amounts to 2% irregular ankerite (-quartz) veinlets and stringers, and										
		mineralization is nil/ trace.										
			3	tr			64264	1628.00	1629.00	1.00	Nil	-
		1629.13- 1629.25 : QCVZ- ankerite- quartz vein zone @ 45 DTCA that is mineralized with 7% fine to	50	4	45	QCVZ	64265	1629.00	1629.40	0.40	0.01	-

DESCRIPTION (Hole no AK08-01D)							Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		medium sized Py crystals.	3	tr			64266	1629.40	1630.40	1.00	Nil	-
1631.00	**1682.40**	**S3**										
		There is a subtle overall change to a slightly coarser grain size (but still fine grained) to wacke which is										
		massive to crudely/ moderately well bedded (@ 45/50 DTCA with local flattening to 35 (crossbedding?). It										
		is medium to light buff to greyish green coloured, the buff green alteration highlighting the bedding planes										
		and forming weak alteration lenses. Late veining comprises <0.5% fine ankeritic fractures/ veinlets and										
		rare quartz- carbonate stringers while the matrix is strongly pervaded with ankerite. MS values are										
		uniformly low at 0.17- 0.27 and mineralization consists of trace very fine dusty Py grains.										
		1654.85- 1656.20 : S7- very fine grained to aphanitic, creamy yellowish green coloured mudstone										
		weakly foliated/ bedded @ 40 DTCA centred on a 5cm creamy beige cherty looking lens.	0.5	tr			64267	1670.50	1671.50	1.00	Nil	-
			3	0.5	40	QCVZ	64268	1671.50	1672.00	0.50	Nil	-
		1671.55- 1671.80 : FAZ- sericite shear fault zone @ 35 DTCA centred on a 1cm white ankerite stringer	0.5	tr			64269	1672.00	1673.00	1.00	0.01	-
		and mineralized with 1% fine Py										
		1671.80- 1680.45 : S3 (gritty)- The wacke becomes coarser through this section with local zones of grit										
		with individual clasts up to 3cm but most less than 0.5cm in length. Several 0.5cm clasts of jasper were										
		noted.	8	0.5		1Sa	64270	1680.45	1681.50	1.05	0.01	-
			8	0.5		1Sa	64271	1681.50	1682.40	0.90	Nil	-
1682.40	**1688.50**	**1Sa/ 1Sp**	10	tr		1Sa	64272	1682.40	1683.50	1.10	Nil	-
		Sharp contact on a ragged sericite slip zone @ 25 DTCA leads into a well altered syenite intrusive which	10	tr		1Sa	64273	1683.50	1684.50	1.00	Nil	-
		is characterized by a light orange colour, medium grain size, a hint of feldspar phenocrysts, moderate	10	tr		1Sa	64274	1684.50	1685.50	1.00	0.01	-
		pervasive ankerite alteration, and strong ragged, ankeritic fracturing amounting to 10%. MS values are low	10	tr		1Sa	64275	1685.50	1686.50	1.00	0.01	-
		at the contacts 0.25/ 0.34 but rise to as high as 6.25 in the middle and the syenite is weakly mineralized	10	tr		1Sa	64276	1686.50	1687.50	1.00	0.01	-
		with trace Py.	10	tr		1Sa	64277	1687.50	1688.50	1.00	0.01	-
			6	tr	45	sh'd	64278	1688.50	1689.50	1.00	0.02	0.01
			8	tr	45	sh'd	64279	1689.50	1690.50	1.00	0.01	-
1688.50	**1699.80**	**S1**	8	tr	45	sh'd	64280	1690.50	1691.50	1.00	0.02	-
		Sharp contact on a chlorite slip @ 25 DTCA back into a conglomeratic unit. The upper section to	8	tr	45	sh'd	64281	1691.50	1692.50	1.00	0.02	-
		1695.00m is moderately well foliated with dull grey gashy/ shreddy ankerite and yellow sericitic shears	8	tr			64282	1692.50	1693.50	1.00	Nil	-
		and streaks @ 45- 50 DTCA. Below, the conglomerate proves to be polymict (including jaspers) with a	8	tr			64283	1693.50	1694.50	1.00	0.02	-
		clast supported framework, ovoid clasts to 6cm, and wacke matrix and lenses. About 5% streaky/ gashy	8	tr			64284	1694.50	1695.50	1.00	0.01	-
		ankerite fractures continue to the end but mineralization remains weak (trace).	6	tr			64285	1695.50	1696.50	1.00	Nil	-
			6	tr			64286	1696.50	1697.50	1.00	0.01	-
		1691.85- 1692.20 LC- measurements from the blocks indicate that 35cm of core is lost/ ground here,	6	tr			64287	1697.50	1698.50	1.00	0.02	-
		possibly on a shear fault @ 45 DTCA. A small pile of splinters was recovered.	6	tr			64288	1698.50	1699.25	0.75	Nil	-
			6	tr		1Sp	64289	1699.25	1699.80	0.55	Nil	-
1699.80	**1715.05**	**1Sp/ 1Sa**	2	tr		1Sp	64290	1699.80	1701.00	1.20	Nil	-
		Leading contact falls on a carbonate chlorite shear fault @ 50 DTCA. The porphyritic texture is not	2	1		1Sp	64291	1701.00	1702.00	1.00	Nil	Nil
		immediately evident but with the aid of a lens the phenos are visible locally. This combined with 3% mafic	2	1		1Sp	64292	1702.00	1703.00	1.00	Nil	-
		inclusions suggest that it is a well altered, light/ medium orange coloured, massive, homogenous	2	1		1Sp	64293	1703.00	1704.00	1.00	Nil	-
		Timiskaming type syenite porphyry. As with the previous syenite, MS values are low at the contacts (0..15/	8	1		1Sp	64294	1704.00	1705.00	1.00	0.01	-
		0.42) and undulate in a moderate range of 2.39- 4.30 in the middle. It is weakly pervaded with ankerite	12	0.5		1Sp	64295	1705.00	1706.00	1.00	Nil	-
		and veined with 5- 7% white/ dull grey ankerite- quartz veinlets and stringers. Mineralization consists of	4	0.5		1Sp	64296	1706.00	1707.00	1.00	Nil	-
		1% near the start and trailing off to trace by 1704m and picking up to 0.5% over the last metre.	4	tr		1Sp	64297	1707.00	1708.00	1.00	Nil	-
			4	tr		1Sp	64298	1708.00	1709.00	1.00	Nil	-
			15	tr		1Sp	64299	1709.00	1710.00	1.00	Nil	-
			3	tr		1Sp	64300	1710.00	1711.00	1.00	Nil	Nil

DESCRIPTION (Hole no AK08-01D)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
			3	tr		1Sp	64301	1711.00	1712.00	1.00	Nil	-
			3	tr		1Sp	64302	1712.00	1713.00	1.00	Nil	-
			7	0.5		1Sp	64303	1713.00	1714.00	1.00	Nil	-
			3	0.5		1Sp	64304	1714.00	1715.05	1.05	Nil	-
			1	tr			64305	1715.05	1716.00	0.95	Nil	-
			1	tr			64306	1716.00	1717.00	1.00	0.01	-
1715.05	**1773.10**	**S1**										
		Below the undulating lower contact of the porphyry @ 80 DTCA, the hole rolls back into polymict										
		conglomerate as previously described. It contains a variety of lithology types, including red jasper, is clast										
		supported with a wacke to gritty matrix and lenses, is generally dark green coloured, is weakly pervaded										
		with calcite and is veined with 0.5% fine calcite fractures and veinlets. As expected, MS values are highly										
		irregular, undulating between about 1.00 and 10.0 while sulphides consist of trace highly scattered coarse										
		Py grains.										
			6	0.5			64307	1772.00	1773.10	1.10	Nil	0.01
1773.10	**1800.10**	**1Sp**	12	0.5		1Sp	64308	1773.10	1774.00	0.90	0.02	-
		Sharp irregular intrusive contact into a syenite porphyry dike @ 50 DTCA that is characterized by 10- 15%	4	0.5		1Sp	64309	1774.00	1775.00	1.00	Nil	-
		diffuse dull white/ grey, subhedral feldspar phenos in a in a fine/ medium grained, medium greyish pink	4	0.5		1Sp	64310	1775.00	1776.00	1.00	Nil	-
		coloured feldspathic groundmass. It is moderately magnetic with MS values ranging between 1.32 and	4	0.5		1Sp	64311	1776.00	1777.00	1.00	Nil	-
		3.47 away from the contacts and is weakly pervaded with calcite to non magnetic. Veining is mixed,	4	0.5		1Sp	64312	1777.00	1778.00	1.00	0.01	-
		consisting of 4% irregular fractures/ stringers of calcite/ quartz (to 1cm) that tend to meander along the	4	0.5		1Sp	64313	1778.00	1779.00	1.00	Nil	-
		core axis along with 2% later white/ pink quartz/ K spar veins to 9cm that cut the core mainly @ 45/ 50	4	0.5		1Sp	64314	1779.00	1780.00	1.00	Nil	-
		DTCA. The dike is mineralized with anomalous to 0.5% fine disseminated Py. At around 1777.60m, there	4	0.5		1Sp	64315	1780.00	1781.00	1.00	Nil	-
		are several smears of gold coloured metallic that is probably a type of bit rub.	4	0.5		1Sp	64316	1781.00	1782.00	1.00	Nil	-
			4	0.5		1Sp	64317	1782.00	1783.00	1.00	Nil	-
		1794.00- 1800.10 : 1Spa- Beginning at a 10cm irregular quartz carbonate plug/ vein zone @ 75 DTCA,	6	0.5		1Sp	64318	1783.00	1783.90	0.90	Nil	-
		the porphyry starts to become more strongly altered to a light grungy olive beige colour which also masks	7	0.5		1Sp	64319	1784.00	1784.90	0.90	Nil	-
		the porphyritic texture. It remains weakly pervaded with ankerite and is veined with 4- 6% white/ pink	20	0.5		1Sp	64320	1785.00	1785.90	0.90	Nil	-
		ankerite- quartz veinlets and stringers. Along with the stronger alteration, sulphides increase to an	8	0.5		1Sp	64321	1786.00	1786.90	0.90	0.01	-
		average of 0.5% fine disseminated Py.	3	0.5		1Sp	64322	1787.00	1788.00	1.00	Nil	Nil
			3	0.5		1Sp	64323	1788.00	1789.00	1.00	Nil	-
		1800.09- 1800.10 : QCVZ- a 1cm white ankerite- quartz stringer terminates the porphyry at a high angle	3	0.5		1Sp	64324	1789.00	1790.00	1.00	0.02	-
		(85 degrees) to the core axis.	3	0.5		1Sp	64325	1790.00	1791.00	1.00	Nil	-
			3	0.5		1Sp	64326	1791.00	1792.00	1.00	0.02	-
1800.10	**1808.20**	**S1/ S3**	3	0.5		1Sp	64327	1792.00	1793.00	1.00	0.01	-
		There is a return to the conglomerate below the dike, however, the texture is more gritty, the largest clast	3	0.5		1Sp	64328	1793.00	1794.00	1.00	Nil	-
		measuring only 2.5cm. The grit/ clasts are polymict, including red jasper and are unsorted/ non bedded	3	0.5		1Sp	64329	1794.00	1795.00	1.00	0.05	-
		and generally subrounded. The matrix is weakly pervaded with ankerite with 0.5% pale pink calcite and	3	0.5		1Sp	64330	1795.00	1796.00	1.00	Nil	-
		quartz stringers cutting the host. Only trace fine disseminated grains of Py continue into the conglomerate	3	0.5		1Sp	64331	1796.00	1797.00	1.00	0.01	0.01
		from the porphyry.	3	0.5		1Sp	64332	1797.00	1798.00	1.00	0.02	-
			3	0.5		1Sp	64333	1798.00	1799.00	1.00	Nil	-
1808.20	**1828.40**	**S3/ V9**	3	0.5		1Sp	64334	1799.00	1800.00	1.00	0.01	-
		At this point, there is a sudden gradual change to an overall finer grained sediment composed of fine	0.5	0.5			64335	1800.00	1801.00	1.00	Nil	-
		grains and grit that lack the distinctive jasper grains. Coincidentally, the susceptibility rises to above 3.61										
		peaking at 52.7 in a fine grained zone, suggesting a strong trachytic tuffaceous(?)/ sediment input. This is	0.5	tr			64336	1811.00	1812.00	1.00	Nil	-
		also supported by a subtle increase in the pink component of the clasts. It is weakly ankeritic and is cut by	0.5	tr			64337	1812.00	1813.00	1.00	0.01	-
		0.5% scattered quartz- carbonate veins to 6cm. Mineralization consists of trace to anomalous finely	0.5	tr			64338	1813.00	1814.00	1.00	Nil	-
		disseminated Py.										
		1813.35- 1828.40 : Here, the trachytic sediment becomes massive, relatively homogenous, medium/	2	tr			64339	1823.00	1824.00	1.00	0.01	-

DESCRIPTION (Hole no AK08-01D)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		light grey coloured, and fine/ medium textured with rare small cm scale clasts. MS values begin strong at	15	tr	75	QCVZ	64340	1824.00	1825.00	1.00	Nil	-
		52.7 but decrease to 5.52 within a couple of metres. It is sprinkled with trace to anomalous fine dusty Py	3	tr			64341	1825.00	1826.00	1.00	Nil	-
		and is cut by a 13cm quartz- ankerite vein @ 75 DTCA at 1824.45m.										
1828.40	**1839.30**	**S1**										
		Return to a fine polymict conglomerate, generally as previously described, with clasts to 5cm but most										
		less then 2cm as follows: 75% grit (<1cm); 20% between 1 and 2cm; and, 5% >2cm, mainly from 1831-										
		1833m (by volume). Included in the conglomerate are very fine clasts and grains of red jasper and the										
		contacts between the various facies are gradational. The unit remains weakly pervaded with ankerite and										
		is cut by 0.5% fine calcite and ankerite fractures and veinlets. It is weakly mineralized with trace fine										
		disseminated Py.										
			4	tr			64342	1838.50	1839.50	1.00	0.01	-
1839.30	**1847.30**	**1Spa**	0.5	0.5		1Spa	64343	1839.50	1840.00	0.50	Nil	-
		Sharp contact, partly on a calcite stringer @ 35 DTCA, and partially natural @ 65 DTCA into a zone of	0.5	0.5		1Spa	64344	1840.00	1841.00	1.00	0.02	0.01
		syenite porphyry that consists of a series of narrow dikes. The first, from 1839.30 to 1841.85m, is	0.5	0.5		1Spa	64345	1841.00	1841.85	0.85	0.01	-
		massive, moderately well altered to a light beigey grey colour and microfractured around the phenos	0.5	tr			64346	1841.85	1842.80	0.95	0.01	-
		which are visible with a lens. The second dike, separated from the first by fine grained sediments (see	10	tr			64347	1842.80	1843.70	0.90	0.02	-
		below, 1844.60- 1846.45m), is medium orange coloured and massive but broken up along zones of	25	tr	45	QCVZ	64348	1843.70	1844.60	0.90	Nil	-
		fractures, many of which track at low angles to the core axis. MS values are generally low at 0.13- 0.20	3	0.5		1Spa	64349	1844.60	1845.50	0.90	Nil	-
		and the porphyry is weakly pervasively ankeritic with 1- 2% white ankerite- quartz veinlets and stringers. It	3	0.5		1Spa	64350	1845.50	1846.45	0.95	Nil	-
		is also mineralized with anomalous to 0.5% fine disseminated and fracture filling Py.	3	0.5		1Spa	64351	1846.45	1847.30	0.85	Nil	-
		1841.85- 1844.60 : S3/ S7- Well altered (sericite- carbonate) to light greenish grey, fine grained wacke										
		and mudstone that is partially silicified along intragranular microfractures. It is weakly magnetic (MS 0.12),										
		pervasively ankeritic, well veined with 10% white ankerite (-quartz), and weakly mineralized with										
		anomalous fine Py. Contacts are sharp, natural @ 45/ 45 DTCA.										
		1843.90- 1844.60 : QCVZ/ FAZ- most of the veining in the sediment is related to this carbonate- shear										
		fault zone @ 50/ 45/ 35 DTCA. It is mineralized with trace to anomalous Py.										
		1846.45- 1846.60 : S1/ FAZ- A thin lens of light greenish grey, fine grained sediments is enclosed with										
		slip contacts @ 60 DTCA and moderately well sheared at the same angle.										
		1846.60- 1847.30 : 1Spa- The last of a series of syenite porphyry dikes is similar to the first, light										
		greyish beige coloured, massive, and finely microfractured. It too is mineralized with anomalous to 0.5%										
		fine disseminated Py and ends on a 1cm carbonate- sericite stringer @ 60 DTCA.										
1847.15	**1861.10**	**S7**	2	tr			64352	1847.30	1848.00	0.70	Nil	Nil
		The dike cuts a fine to very fine grained (some cherty bands), massive to well bedded (@ 65 DTCA), light	2	tr			64353	1848.00	1849.00	1.00	Nil	-
		to medium creamy olive/ brownish/ beigey grey coloured, mudstone that is laced with 2- 3% irregular,										
		white/ dull grey, ankerite- quartz veinlets and stringers. The matrix was found to be weakly pervaded with	5	tr			64354	1854.00	1855.00	1.00	Nil	-
		ankerite and susceptibilities were low at 0.18- 0.25. It is lightly mineralized with trace fine disseminated Py	12	0.5			64355	1855.00	1856.00	1.00	Nil	-
		with minor anomalous concentrations in the walls of some of the veinlets. Sampling reflects the increased	1	tr			64356	1856.00	1857.00	1.00	Nil	-
		sulphide amounts.										
		1856.35- 1856.80 : CHSD- well bedded, very fine grained siltstone and cherty lenses @ 65 DTCA.										
1861.10	**1894.00**	**S3**										
		Gradational change through slight coarsening of grain sizes and rip up clast textures into a fine grained,										
		massive to crudely bedded wacke where the bedding is highlighted by weak sericite alteration. The host										

DESCRIPTION (Hole no AK08-01D)							Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		is mainly medium to dark greyish green coloured with local gradations into pinkish/ beigey tinged zones										
		that may reflect more arkosic or trachytic components. MS values continue begin fairly low at 0.30- 0.93 to										
		1873m and then begin to undulate in a higher range of 0.65- 3.95. It is weakly pervaded with ankerite with										
		local coexisting calcitic patches while veining consists of 3% calcite fractures and veinlets. The wacke is										
		mineralized with trace fine Py and minor Cp.										
		1880.31- 1880.33 : QCVZ- 1.5cm zone of carbonate quartz veinlets/ matrix with altered fragments of	1	tr			64357	1879.00	1880.00	1.00	Nil	-
		wall rock @ 60 DTCA. There are several carbonate quartz veinlets with weak alteration haloes over 30 cm	18	0.5	60	QCVZ	64358	1880.00	1880.50	0.50	Nil	-
		up hole. Py is anomalous in the haloes of the veinlets.	1	tr			64359	1880.50	1881.50	1.00	Nil	-
1894.00	**1898.55**	**1Spa**	3	tr			64360	1893.00	1893.90	0.90	Nil	Nil
		A sharp contact an a chlorite carbonate slip @ 10 DTCA marks the transition into another altered syenite	10	0.5		1Spa	64361	1893.90	1895.00	1.10	Nil	-
		porphyry dike. Similar to the others, it is light greyish orange to medium pinkish grey coloured, massive	10	0.5		1Spa	64362	1895.00	1896.00	1.00	Nil	-
		and medium grained in which the texture, comprises faintly discernable 1-3mm, feldspar crystals in a fine	10	0.5		1Spa	64363	1896.00	1897.00	1.00	Nil	-
		grained feldspathic groundmass with fine microfracturing around the crystals.	10	0.5		1Spa	64364	1897.00	1897.90	0.90	Nil	Nil
		The matrix, and that of the wacke for several metres up hole, is weakly pervaded with ankerite while MS	2	0.5		1Spa	64365	1897.90	1898.55	0.65	Nil	-
		values begin low at 0.23/ 0.32 and rise to 2.61 by the end. The dike is veined with 15% white gashy	2	tr			64366	1898.55	1899.60	1.05	Nil	-
		ankerite- quartz stringers and veins, generally at around 20 DTCA and mineralized with 0.5%										
		disseminated Py crystals. The lower contact loops along the lower 0.5m of the unit and terminates with an										
		intrusive contact @ 40 DTCA.										
1898.55	**1917.80**	**S3**										
		Back to the fine grained wacke as previously described, fine grained massive, relatively homogenous and										
		dark greenish grey coloured. It contains rare fine red jasper grains, but the darker colour and higher										
		magnetics (MS 2.09- 9.99) suggest a stronger trachytic component. It is weakly pervasively calcitic, poorly										
		veined with 1% calcite/ ankerite/ quartz veinlets and stringers and weakly mineralized with trace fine Py.										
		Ms values decrease gradually towards the lower contact ending at 0.0.24.										
			8	tr			64367	1916.00	1917.00	1.00	0.01	-
1917.80	**2202.00**	**1Spa**	2	tr			64368	1917.00	1917.80	0.80	0.01	-
		The leading contact is very difficult to distinguish from the wacke because the syenite is well altered and	2	0.5		1Spa	64369	1917.80	1918.90	1.10	Nil	-
		slightly finer grained at the contact and has altered the adjacent sediment to the same colour (pale	2	0.5		1Spa	64370	1918.90	1920.00	1.10	Nil	-
		pinkish/ brownish grey). It appears to cut the sediment as a series of tongues at low angles with the main	2	0.5		1Spa	64371	1920.00	1921.00	1.00	Nil	Nil
		contact @ about 10- 15 DTCA. The phenocrysts are difficult to distinguish without the aid of a lens,	2	0.5		1Spa	64372	1921.00	1922.00	1.00	0.03	-
		however, overall, the porphyry is medium grained, massive, homogenous, light to medium greyish pink/	3	0.5		1Spa	64373	1922.00	1923.00	1.00	Nil	-
		brown coloured, very finely microfractured on a granular basis and contains 1-2% mafic inclusions.	2	0.5		1Spa	64374	1923.00	1924.00	1.00	Nil	-
			2	0.5		1Spa	64375	1924.00	1925.00	1.00	Nil	-
		MS values begin low at the contacts (0.16/ 0.17) and gradually increase towards the middle (1.21- 3.98).	3	tr		1Spa	64376	1925.00	1926.00	1.00	0.01	-
		When tested for carbonate composition, the matrix was found to be weakly ankeritic within several metres	3	tr		1Spa	64377	1926.00	1927.00	1.00	Nil	-
		of the contact, non reactive to 1935m, and weakly ankeritic below. Late veining comprises 1- 3% white	3	tr		1Spa	64378	1927.00	1928.00	1.00	Nil	-
		and pale orange ankerite/ quartz/ calcite veinlets and stringers to 1cm. The porphyry is mineralized with	1	tr		1Spa	64379	1928.00	1929.00	1.00	Nil	-
		anomalous to 0.5% fine disseminated Py.	1	tr		1Spa	64380	1929.00	1930.00	1.00	Nil	-
			1	tr		1Spa	64381	1930.00	1931.00	1.00	Nil	Nil
		1935.00- 1958.75 : 1Sa- There seems to be a transition into a non to weakly porphyritic phase of the	1	tr		1Spa	64382	1931.00	1932.00	1.00	Nil	-
		syenite through this section although the trailing contact back into the porphyry is sharp, on a 2.5cm	1	tr		1Spa	64383	1932.00	1933.00	1.00	Nil	-
		quartz- carbonate vein @ 65 DTCA. Texturally, it is similar to the initial phase, medium grained, massive,	1	tr		1Spa	64384	1933.00	1934.00	1.00	Nil	-
		homogenous, medium/ light pinkish to brownish grey coloured with 0.5% scattered mafic inclusions. MS	1	tr		1Spa	64385	1934.00	1935.00	1.00	0.02	-
		values are moderate at 3.31- 6.19 to 1949m at which point it decreases to a lower range of 0.23- 0.49. It	1	tr		1Spa	64386	1935.00	1936.00	1.00	Nil	-
		remains weakly pervaded with ankerite and veined with 1- 2% ankerite/ quartz/ calcite veinlets and										
		stringers. Mineralization consists of trace to anomalous Py.	1	tr		1Sp	64387	1944.00	1945.00	1.00	Nil	-
			1	tr		1Sp	64388	1945.00	1946.00	1.00	Nil	-

DESCRIPTION (Hole no AK08-01D)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		1951.45- 1951.50 : Chl Slip- Zone of (2/ 3) chloritic slips/ fractures @ 55 DTCA. These are the only structures that remotely resemble anything similar to those of the South Zone Complex at Macassa.	1	tr		1Sp	64389	1946.00	1947.00	1.00	Nil	-
			1	tr		1Sp	64390	1947.00	1948.00	1.00	Nil	Nil
			1	tr		1Sp	64391	1948.00	1949.00	1.00	Nil	-
			5	0.5		1Sp	64392	1949.00	1950.00	1.00	Nil	-
		1953.50- 1955.50 : BBC- The core is splintered into fine chips through 50% of the interval for no apparent reason.	4	0.5		1Sp	64393	1950.00	1951.00	1.00	0.01	-
			1	0.5		1Sp	64394	1951.00	1952.00	1.00	Nil	-
			1	tr		1Sp	64395	1952.00	1953.00	1.00	0.01	-
		1958.75- 1971.00 : 1Sp- Return to the syenite porphyry as previously described at 1917.80m, but the phenocrysts become more evident down hole, forming 5- 10% of the host. By about 1962m, the host is medium/ dark brownish grey coloured, relatively fresh, massive, homogenous, and moderately magnetic within a stable range of 3.20- 3.83. It becomes weakly pervaded with calcite where fresher, poorly veined with <0.5% calcite fractures and veinlets, and weakly mineralized with nil/ trace fine Py.										
			tr	0.5		1Sp	64396	1957.00	1958.00	1.00	0.02	-
			0.5	0.5		1Sp	64397	1958.00	1959.00	1.00	Nil	Nil
			0.5	0.5		1Spa	64398	1959.00	1960.00	1.00	Nil	-
			tr	tr		1Spa	64399	1960.00	1961.00	1.00	Nil	-
		1966.18- 1966.22 : Weak chlorite carbonate fracture zone @ 45 DTCA with trace to slightly anomalous Py in the walls. It is preceded 1.5m up hole by a series of weak irregular fractures with altered walls and trace Py.	2	N		1Sp	64400	1964.00	1965.00	1.00	0.03	-
			2	N		1Sp	64401	1965.00	1966.00	1.00	Nil	Nil
			2	tr		1Sp	64402	1966.00	1966.50	0.50	Nil	-
			2	N		1Sp	64403	1966.50	1967.50	1.00	Nil	-
		1971.00- 1978.40 : 1Spa- There is a patchy gradation into a medium grungy greyish pink/ orange altered phase of the porphyry in which the phenocrysts, mafic inclusions, massive nature and medium texture remain present. It was found to be weakly pervaded with ankerite when tested for carbonate alteration and secondary veining comprises 5% quartz- ankerite stringers and veins with local blebs/ splashes of Cp (se below). Otherwise, the sulphide content is trace to anomalous.										
			4	tr		1Spa	64404	1972.00	1973.00	1.00	0.01	-
			12	4		1Spa	64405	1973.00	1974.00	1.00	Nil	-
			8	3	12	QCVZ	64406	1974.00	1975.00	1.00	Nil	-
			6	0.5	25	QCVZ	64407	1975.00	1976.00	1.00	Nil	-
			4	tr		1Spa	64408	1976.00	1977.00	1.00	Nil	-
		1973.40- 1973.55 : QCVZ- This, the widest of the quartz- carbonate veins (2cm) cuts the core at 12 DTCA and is mineralized with 10% blebs/ blotches of Cp. A second 1cm wide vein with 15% Cp intersects the host @ 25 DTCA at 1974.64m.										
			12	tr		QCVZ	64409	1980.00	1981.00	1.00	0.05	-
		1978.40- 1981.80 : QCVZ- Increase in quartz- ankerite stringers and veins to 4cm (15%) mainly oriented at low angles of less then 25 DTCA. The veins cut well altered syenite porphyry in which the phenos are faintly visible with the aid of a lens. Only very minor grains of Py were noted in the zone.	20	tr		QCVZ	64410	1981.00	1981.80	0.80	Nil	-
			5	tr		1Sa	64411	1981.80	1983.00	1.20	0.01	-
			8	tr		1Sa	64412	1983.00	1984.00	1.00	Nil	-
			4	0.5		1Sa	64413	1984.00	1985.00	1.00	Nil	Nil
		1981.80- 1999.50 : 1Sa(p)- The syenite remains medium grained/ textures and massive but the colour changes to a grungy medium pinkish/ orange grey and the phenos are barely discernable. The matrix remains weakly ankeritic and susceptibilities fluctuate between limits of 0.22 and 7.32. Sulphides consist of trace fine Py grains with local increases to 0.5% over 0.3- 0.5m in places. Sampling reflects increases in the Py content.	4	tr		1Sa	64414	1985.00	1986.00	1.00	Nil	-
			4	tr		1Sa	64415	1986.00	1987.00	1.00	0.01	-
		1999.50- 2007.80 : 1Sp- fresher looking phase of the porphyry in which the phenos become obvious and the host reverts to a fresher looking, dark maroon grey colour. MS values rise to a higher plain of 2.74- 7.12, the matrix is weakly ankeritic to non reactive, veining is reduced to 1%, and sulphides remain trace.										
			2	tr		1Sp	64416	1999.00	2000.00	1.00	Nil	-
			2	tr	50	chl slip	64417	2000.00	2001.00	1.00	0.02	0.02
			2	tr		1Sp	64418	2001.00	2002.00	1.00	Nil	-
			2	tr		1Sp	64419	2002.00	2003.00	1.00	Nil	-
		2000.40- 2000.42 : Chl slip- strong chlorite lined slip @ 50 DTCA followed by orange alteration and chlorite fracturing over 15cm. Trace sulphides.	7	tr	45	QCVZ	64420	2003.00	2004.00	1.00	Nil	-
			2	tr		1Sp	64421	2004.00	2005.00	1.00	Nil	-
		2003.54- 2003.58 : QCVZ- 3cm, grey quartz vein @ 45 DTCA with chlorite fractures and trace Py										
		2007.80- 2017.5 : 1Spa- mottled, medium greyish orange altered syenite porphyry with 2% carbonate (- quartz) fractures and veinlets (some veins) and trace Py.										
			2	tr		1Sp	64422	2011.00	2012.00	1.00	Nil	-
			6	tr	45	QCVZ	64423	2012.00	2013.00	1.00	Nil	-

DESCRIPTION (Hole no AK08-01D)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		2012.52- 2012.58 : QCVZ- 4cm quartz- carbonate vein @ 45 DTCA with chloritic upper fracture and a	2	tr		1Sp	64424	2013.00	2014.00	1.00	Nil	-
		streak of metallic blue specularite/ moly(?) and trace Py.					64425	2014.00	2015.00	1.00	Nil	-
							64426	2015.00	2015.90	0.90	Nil	Nil
		2017.5-2022.2					64427	2015.90	2016.80	0.90	Nil	-
		Pink grey syenite porphyry becomes fresher and the feldspar phenocrysts are more distinct, weak					64428	2016.80	2017.50	0.70	Nil	-
		patchy fractured controlled hematite alteration, weakly magnetic, minor trace pyrite, <1%, 0.1-1.5 cm					64429	2017.50	2018.50	1.00	0.02	-
		white quartz-ankerite veins at 0-45 deg, gradational contacts, trace chalcopyrite in first vein at 5 deg.					64430	2018.50	2019.50	1.00	0.03	-
							64431	2019.50	2020.50	1.00	0.01	-
		2022.3-2034.2	1				64432	2020.50	2021.40	0.90	0.01	-
		Weakly altered weakly magnetic pink grey to orange pink syenite porphyry with 5-15%, 0.2-3 cm wide					64433	2021.40	2022.20	0.80	0.01	-
		ankerite+-quartz irregular veining at 0-20 deg, ankerite veins are cut by white grey 2-5 mm quartz+-	2	tr			64434	2022.20	2023.20	1.00	Nil	-
		ankerite veining at 50-60 deg, trace finely disseminated pyrite in porphyry matrix, veining decrease	1	tr			64435	2023.20	2024.20	1.00	0.01	-
		to 1-2% below 2030.2 m	3	tr			64436	2024.20	2025.20	1.00	Nil	-
			5	tr			64437	2025.20	2026.20	1.00	0.01	-
		2034.8-2039.9	15	tr			64438	2026.20	2027.20	1.00	0.01	-
		Pink grey to grey fresher syenite porphyry with <<1%, 1-5 mm ankerite quartz veining, weakly	15	tr			64439	2027.20	2028.20	1.00	Nil	Nil
		magnetic, minor orange pink alteration.	10	tr			64440	2028.20	2029.20	1.00	0.01	-
			5	tr			64441	2029.20	2030.20	1.00	Nil	-
			1	tr			64442	2030.20	2031.20	1.00	0.01	-
			1	tr			64443	2031.20	2032.20	1.00	Nil	-
			1	tr			64444	2032.20	2033.20	1.00	Nil	-
			2	tr			64445	2033.20	2034.10	0.90	Nil	-
							64446	2034.10	2034.80	0.70	0.01	-
		2039.9-2048.0					64447	2039.90	2041.00	1.10	Nil	-
		Orange pink to grey pink moderately to weakly hematitic altered porphyry, 1-2%, 1-10 mm irregular					64448	2041.00	2042.00	1.00	Nil	-
		ankerite+-quartz veining at 40-70 deg with trace specularite, weakly chlorite-specularite fractured.					64449	2042.00	2043.00	1.00	Nil	Nil
							64450	2043.00	2044.00	1.00	Nil	Nil
							64551	2044.00	2045.00	1.00	Nil	-
							64552	2045.00	2046.00	1.00	0.01	-
							64553	2046.00	2047.00	1.00	Nil	-
		2048.0-2057.8					64554	2047.00	2048.00	1.00	Nil	-
		Orange pink red to pink grey weakly altered hematitic syenite porphyry with 2-3% irregular white grey	3	tr			64555	2048.00	2049.00	1.00	Nil	-
		ankerite-quartz+-chlorite veins at 30-80 deg, weakly to moderately specularite fractures which cross	1	tr			64556	2049.00	2050.00	1.00	Nil	-
		cut ankerite-quartz veining, trace finely disseminated pyrite in porphyry matrix.	5	tr			64557	2050.00	2051.00	1.00	Nil	-
			5	tr			64558	2051.00	2052.00	1.00	0.01	-
			1				64559	2052.00	2053.00	1.00	Nil	Nil
		2057.8-2061.67	1				64560	2053.00	2054.00	1.00	0.01	-
		Orange pink altered syenite porphyry with 10-25%, 0.1-5 cm wide milky white quartz-ankerite veins	1				64561	2054.00	2055.00	1.00	Nil	Nil
		at 30-80 deg with saw-toothed ankerite growths along vein walls, 1-2% dark green chlorite stringers	1				64562	2055.00	2056.00	1.00	Nil	-
		with and without quartz, minor traces of pyrite in quartz veins and trace to 0.5% finely disseminated	1				64563	2056.00	2057.00	1.00	Nil	-
		in porphyry.	1				64564	2057.00	2057.80	0.80	Nil	-
			15	tr			64565	2057.80	2058.80	1.00	Nil	-
		2061.67-2062.0	6	tr			64566	2058.80	2059.70	0.90	Nil	-
		White brecciated quartz-ankerite (5%) vein at 60 to 70 deg with 3% green beige chlorite-sericite	25	tr			64567	2059.70	2060.60	0.90	Nil	Nil
		breccia matrix, trace pyrite in matrix.	15	2			64568	2060.60	2061.60	1.00	0.01	-
			75	tr			64569	2061.60	2062.20	0.60	0.01	-
		2062.0-2062.2	1				64570	2062.20	2063.00	0.80	Nil	-
		Green yellow beige and white chlorite-sericite quartz ankerite fault breccia vein at 70 deg with 2%	1				64571	2063.00	2064.10	1.10	Nil	-

DESCRIPTION (Hole no AK08-01D)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		very finely disseminated pyrite along sericitic chloritic fault slips, 7% quartz, 5% ankerite.	1				64572	2064.10	2065.20	1.10	Nil	-
			1				64573	2065.20	2066.30	1.10	0.01	-
		2062.2-2066.3	2				64574	2066.30	2067.30	1.00	Nil	-
		Pink to orange pink weakly hematite altered porphyry with <1% quartz-ankerite veining, trace pyrite.	2				64575	2067.30	2068.30	1.00	Nil	-
		weakly sericitic-chloritic fractured.	2				64576	2068.30	2069.30	1.00	Nil	-
			2				64577	2069.30	2070.30	1.00	Nil	-
		2066.3-2074.3	2				64578	2070.30	2071.30	1.00	Nil	-
		Orange pink weakly altered syenite porphyry with <1% quartz-ankerite veining moderately 0.5-0.2 mm	2				64579	2071.30	2072.30	1.00	Nil	Nil
		dark black green chlorite fractures and stringers at 30-50 deg, trace pyrite in porphyry.	2				64580	2072.30	2073.30	1.00	Nil	-
			2				64581	2073.30	2074.30	1.00	Nil	-
		2074.3-2075.8	1	tr			64582	2074.30	2075.10	0.80	Nil	-
		Light grey to beige grey soft weakly sericitic altered syenite porphyry with trace fine grained pyrite.	20	tr			64583	2075.10	2075.80	0.70	0.01	-
							64584	2075.80	2076.80	1.00	Nil	-
		2075.28-2075.43					64585	2076.80	2077.80	1.00	Nil	-
		White pink yellow beige green quartz-ankerite-calcite-sericite-chlorite vein at 70 deg with trace pyrite.					64586	2077.80	2078.80	1.00	Nil	-
							64587	2078.80	2079.80	1.00	Nil	-
		2075.8-2087.7	1	tr			64588	2079.80	2080.80	1.00	Nil	-
		Orange red to red weakly hematitic silicified altered syenite porphyry, weakly chloritic fractured					64589	2080.80	2081.80	1.00	Nil	-
		at 50 deg, 1% 0.1-10 cm wide irregular white quartz-ankerite veining at 30-60 deg, syenite is	15	tr			64590	2081.80	2082.80	1.00	Nil	Nil
		weakly ankeritic, trace to 1% finely disseminated pyrite, 2 mm chalcopyrite bleb at 2084.3 m	5	tr			64591	2082.80	2083.80	1.00	Nil	-
			3	1			64592	2083.80	2084.80	1.00	Nil	-
			1	tr			64593	2084.80	2085.80	1.00	Nil	-
			1	tr			64594	2085.80	2086.80	1.00	Nil	-
			1	tr			64595	2086.80	2087.70	0.90	Nil	-
			5	2			64596	2087.70	2088.50	0.80	0.15	-
			3	1			64597	2088.50	2089.30	0.80	0.06	0.07
			3	1			64598	2089.30	2090.10	0.80	0.03	-
			15	3			64599	2090.10	2091.00	0.90	0.01	-
			1	tr			64600	2091.00	2092.00	1.00	0.02	-
			1	tr			64501	2092.00	2093.00	1.00	0.02	-
			1	tr			64502	2093.00	2094.00	1.00	Nil	-
			1	tr			64503	2094.00	2095.00	1.00	0.01	-
			2	tr			64504	2095.00	2096.00	1.00	0.02	-
			2	tr			64505	2096.00	2097.00	1.00	0.01	-
			2	tr			64506	2097.00	2098.00	1.00	0.01	-
			2	tr			64507	2098.00	2099.00	1.00	Nil	-
		2087.7-2091.0	1	tr			64508	2099.00	2100.10	1.10	Nil	-
		Pink red to grey moderately silicified weakly ankeritic altered syenite porphyry with 2-10%, 0.1-3 cm	1	tr			64509	2100.10	2101.20	1.10	Nil	-
		wide, white grey to dark blue grey quartz veins at 40-60 deg, average 50 deg trace to 1% finely	10	tr			64510	2101.20	2102.30	1.10	0.01	-
		disseminated pyrite in wallrocks adjacent to veins, weakly chloritic fractured.	2	tr			64511	2102.30	2103.20	0.90	Nil	-
			2	tr			64512	2103.20	2104.20	1.00	Nil	-
		2091.0-2113.2	2	tr			64513	2104.20	2105.20	1.00	0.01	-
		Orange red weakly hematitic silicified syenite porphyry with1%, 1-10 mm ankerite+-quartz veins	2	tr			64514	2105.20	2106.20	1.00	Nil	-
		at 50 deg, <1% 1-8 cm white green quartz chlorite veins with trace pyrite at 50-70 deg,	10	tr			64515	2106.20	2107.20	1.00	0.03	-
		weakly chloritic fractured, trace disseminated pyrite in syenite.	1	tr			64516	2107.20	2108.20	1.00	0.01	-
			2	tr			64517	2108.20	2109.20	1.00	0.04	-
		2099.3-2099.4 & 2102.1-2102.2	3	tr			64518	2109.20	2110.20	1.00	Nil	-
		Respectively large inclusions of sericitic altered greywacke and irregular silicified mafic with	2	tr			64519	2110.20	2111.20	1.00	Nil	Nil
		disseminated magnetite.	1	tr			64520	2111.20	2112.20	1.00	Nil	-

DESCRIPTION (Hole no AK08-01D)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
			1	1			64521	2112.20	2113.20	1.00	0.04	-
		2113.2-2120.1	2	2			64522	2113.20	2114.00	0.80	Nil	-
		Light beige grey pink to red fine grained weakly sericitic and weakly silicified altered syenite	8	1			64523	2114.00	2115.00	1.00	0.10	0.07
		porphyry with obscure grey altered feldspar phenocrysts, alteration appears to be controlled by wavy	1	1			64524	2115.00	2116.00	1.00	0.08	-
		irregular sericitic fractures at 0-60 deg, 0.5-2% finely disseminated pyrite associated with silicification	3	1			64525	2116.00	2117.00	1.00	0.04	-
		and sericite alteration, lower contact gradational, 1-2%, 1-10 mm light grey to white quartz+/-ankerite	2	1			64526	2117.00	2117.80	0.80	Nil	-
		veins at 40-80 deg cut by <1 mm white pink calcite+-quartz veins at 140-160 deg. <1% 5-10 cm	2	1			64527	2117.80	2118.50	0.70	0.03	-
		milky white irregular quartz-ankerite veining.	6	1			64528	2118.50	2119.30	0.80	0.02	0.02
			1	1			64529	2119.30	2120.10	0.80	0.03	-
		2120.1-2126.8	1	tr			64530	2120.10	2121.00	0.90	0.01	-
		Dull red fresher syenite with dark green chloritic fractures, 3-5%, 0.1-10 cm chloritic fractured quartz+	1	tr			64531	2121.00	2122.00	1.00	0.01	-
		ankerite veining at 40-50 deg cut by 1/5 mm later quartz-calcite veining, locally feldspar porphyritic	3	tr			64532	2122.00	2123.10	1.10	0.08	0.1
		texture more evident, trace pyrite.					64533	2123.10	2124.00	0.90	0.07	-
		2126.8-2144.6	1	tr			64534	2137.00	2138.00	1.00	Nil	-
		brighter orange red to red weakly altered syenite / syenite porphyry, up to 1%, 0.2-12 cm light grey	15	tr			64535	2138.00	2139.00	1.00	Nil	-
		to white quartz+-ankerite veining at 40-90 deg, weakly chloritic fractured.	5				64536	2139.00	2140.00	1.00	Nil	Nil
			1				64537	2140.00	2141.00	1.00	0.01	-
		2138.65-2138.77										
		White green chloritic fractured quartz vein at 40-60 deg.	3	tr			64538	2144.60	2145.60	1.00	Nil	-
			3	tr			64539	2145.60	2146.60	1.00	0.05	-
		2144.6-2156.6	2	tr			64540	2146.60	2147.60	1.00	Nil	-
		Dull red syenite with 50-60% orange red altered syenite, increase in grey white quartz+-ankerite veining	2	tr			64541	2147.60	2148.60	1.00	Nil	Nil
		to 3%, trace disseminated pyrite along chloritic vein contacts, orange red alteration chloritic fracture	2	tr			64542	2148.60	2149.60	1.00	Nil	-
		controlled, 1% cross-cutting 1-2 mm quartz-calcite veining.	8	tr			64543	2149.60	2150.60	1.00	0.01	-
			3	tr			64544	2150.60	2151.60	1.00	0.02	-
			3	tr			64545	2151.60	2152.60	1.00	0.01	-
			3	tr			64546	2152.60	2153.60	1.00	Nil	-
			2	tr			64547	2153.60	2154.60	1.00	Nil	-
			2	tr			64548	2154.60	2155.60	1.00	Nil	-
			3	tr			64549	2155.60	2156.60	1.00	Nil	-
		2156.6- 2162.20										
		50% dark pinkish grey, relatively fresh phase of the syenite porphyry with the remainder as medium										
		greyish pink/ orange altered syenite around fracture zones and minor quarts/ calcite/ chlorite slips,										
		veinlets and stringers to 1cm generally at steeper angles (65- 75 DTCA). Mineralization is trace overall										
		with local increases to 0.5% over 10cm around some of the veinlets.										
		2162.20- 2177.50	7	0.5			64550	2162.20	2163.00	0.80	0.05	-
		65% medium greyish pink/ orange altered porphyry with local fresher (medium to dark brownish/ orange	2	tr			64451	2163.00	2164.00	1.00	0.01	-
		grey) zones. It is cut by 3% quartz/ carbonate/ chlorite/ specularite veinlets and stringers to 1.5cm at high	4	1			64452	2164.00	2165.00	1.00	0.01	-
		angles. Py content increases to anomalous with local concentrations up to 3% over 10- 20cm locally. 2-	0.5	tr			64453	2165.00	2166.00	1.00	0.01	-
		3mm specularite veinlets intersect the unit or line veinlets at 2161.38m (70 DTCA, 2164.30m (45 DTCA),	1	0.5			64454	2166.00	2167.30	1.30	0.01	-
		2167.15m (30 DTCA).										
			2	tr			64455	2172.00	2173.05	1.05	0.01	-
		2173.05- 2174.35 : QCVZ- slight increase in dull grey cherty type quartz veining (12%) as a series of	12	tr		QCVZ	64456	2173.05	2174.35	1.30	Nil	-
		slips/ stringers to 1.5cm, generally at moderate to higher angles of 50- 80 DTCA. Some of the veins and	2	tr			64457	2174.35	2175.35	1.00	Nil	-
		walls are weakly mineralized with trace to anomalous Py over a few cm.										

DESCRIPTION (Hole no AK08-01D)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		2177.50- 2190.10										
		most of the interval is moderately well altered to a grungy medium (/ light) greyish orange/ pink colour										
		although the porphyritic texture and mafic inclusions are obvious. Despite the alteration there is only1- 2%										
		veining and trace Py.										
		2190.10- 2196.30										
		fresher looking syenite porphyry that is dark/ medium pinkish grey with a dull white speckling reflecting the										
		feldspar phenos. A few widely scattered larger (to 0.8cm) feldspar phenos indicate a possible change to a										
		weakly bimodal phase. Veining remains low at 1% and mineralization is negligible.										
		2196.30- 2202.00										
		back to moderately altered syenite porphyry in which the colour becomes medium greyish pink with 3%										
		fine calcite/ quartz/ chlorite fractures and veinlets. Mineralization remains trace to the end.										
2202.00		**EOH**										
		The hole was stopped in the porphyry since it appears to represent a subvertical dike that is south of the										
		target.										

PROPERTY: Amalgamated Kirkland			HOLE NUMBER AK07-01W					
Province:	Ontario	DATE LOGG	Grid: 7600 E		Method	Depth	Az	Dip
Township	Teck	LOGGED BY	10080 N		Reflex			
Started:	**38977**	**DRILLED BY**	**UTM: 569788 E**					
Completed:	**38987**	**UNITS: Metr**	**NAD 83 5330703N**					
CORE SIZE:	NQ	CORE LOCA	ELEV : 337 m					
			LENGTH: 1152 m					
		Location: leased clm 328 (106667)						
PURPOSE:			Depth	Az	Dip			
			21	334.5	-59			
COMMENTS:			54	328.2	-88.6			
			102	331.1	-88.1			
			177	330.6	-87.9			
			249	321.7	-87.1			
			312	336.4	-86.2			
			399	331.9	-86.1			
			477	342.5	-86.3			
			552	331.6	-86.3			
			627	350.5	-86.9			
			702	344.3	-86.9			
			777	350	-87.4			
			828	353.8	-87.8			
			900	359.4	-87.7			
SUMMARY LOG		AK07-01W						
From	To	Lithology	From	To	Metres	Au g/t	Cu%	
0	1	OVB						
1	119	S1/ S3						
106.05	122.7	V4V9						
122.7	146.1	V4V10/ V9						
146.1	180.15	V4V9/ S3						
180.15	183.47	S6						
183.47	268.4	S3						
268.4	287	V4V9						
287	294.75	S7						
294.75	427.5	S1						
427.5	913.45	S1						

913.45	922.1	FAZ/ S3						
922.1	1152	S1						
1152		EOH/ WEDGE						

DESCRIPTION (Hole no AK07-01W)						Samples / Assays							
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Mag (%)	Cpy (%)	Sample Number	From	To	Length	Au g/t	Cu %
0.00	1.00	OVB										
1.00	119.00	S1/ S3										
106.05	122.70	V4V9										
122.70	146.10	V4V10/ V9										
146.10	180.15	V4V9/ S3										
180.15	183.47	S6										
183.47	268.40	S3										
268.40	287.00	V4V9										
287.00	294.75	S7										
294.75	427.50	S1										
427.50	913.45	S1										
913.45	922.10	FAZ/ S3										
922.10	######	S1										
######		WEDGE										
######		S1										
		The conglomerate comprises moderately fractured, typical, polymict conglomerate with fine grained to gritty wacke matrix and local lenses. Jasper grains and clasts are visible throughout the unit as are porphyritic and fine grained alkalic and granitic, light to dark green grey mafic and ultramafic ones. Mild to moderate fracturing continues down hole with 3% dull white ankerite and calcite fillings over 5- 6m and then 0.5- 1% calcite below. Through the interval, calcite is the dominant carbonate alteration pervading the matrix and susceptibilities undulate in a low to moderate range of 0.27 to 8.93, with most values tracking between 2.65 and 6.70. The unit is weakly mineralized with trace fine Py and Cp. The wedge cut of the original hole is evident over the upper meter of the first box.											

DESCRIPTION (Hole no AK07-01W)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Mag (%)	Cpy (%)	Sample Number	From	To	Length	Au g/t	Cu %

DESCRIPTION (Hole no AK07-01W)							Samples / Assays					
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Mag (%)	Cpy (%)	Sample Number	From	To	Length	Au g/t	Cu %

DESCRIPTION (Hole no AK07-01W)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Mag (%)	Cpy (%)	Sample Number	From	To	Length	Au g/t	Cu %

DESCRIPTION (Hole no AK07-01W)							Samples / Assays					
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Mag (%)	Cpy (%)	Sample Number	From	To	Length	Au g/t	Cu %

DESCRIPTION (Hole no AK07-01W)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Mag (%)	Cpy (%)	Sample Number	From	To	Length	Au g/t	Cu %

DESCRIPTION (Hole no AK07-01W)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Mag (%)	Cpy (%)	Sample Number	From	To	Length	Au g/t	Cu %

PROPERTY: Amalgamated Kirkland			HOLE NUMBER AK07-01C					
Province:	Ontario	**DATE LOGGED:** Nov 28, 2007- Feb 7, 2008	**Grid:**	**7600 E**	**Method**	**Depth**	**Az**	**Dip**
Township	Teck	**LOGGED BY:** FR Ploeger		10080 N	Reflex	1095	325.9	-85.9
Started:	27-Nov-07	**DRILLED BY:** Benoit Diamond Drilling	**UTM:**	**569788 E**		1175	309.9	-85.9
Completed:	06-Feb-08	**UNITS:** Metres	**NAD 83**	**5330703N**		1227	307.3	-84.7
CORE SIZE:	NQ	**CORE LOCATION:** Upper Canada	**ELEV :**	**337 m**		1278	295.2	-85.3
			LENGTH:	2314 m		1305.0	290.4	-84.7
		Location: leased clm 328 (106667)				1375.0	282.6	-83.9
PURPOSE:			**Depth**	**Az**	**Dip**	1425.0		-83.6
			21	334.5	-59.0	1497.0	275.2	-83.5
COMMENTS:			54	328.2	-88.6	1575.0	280.0	-82.0
			102	331.1	-88.1	1632.0	276.8	-81.6
			177	330.6	-87.9	1701.0	278.2	-80.4
			249	321.7	-87.1	1775.0	279.1	-80.0
			312	336.4	-86.2	1827.0	281.9	-79.6
			399	331.9	-86.1	1899.0	282.1	-78.7
			477	342.5	-86.3	1944.0	285.0	-78.4
			552	331.6	-86.3	2004.0	288.0	-77.9
			627	350.5	-86.9	2076.0	289.8	-77.0
			702	344.3	-86.9	2125.0	290.9	-76.8
			777	350.0	-87.4	2214.0	292.0	-76.4
			828	353.8	-87.8	2275.0	297.0	-75.9
			900	359.4	-87.7			
			978	352.5	-87.2			
			1026	350.3	-87.3			
			1077	343.3	-87.5			

SUMMARY LOG		AK07-01C						
From	**To**	**Lithology**	**From**	**To**	**Metres**	**Au g/t**	**Au-chk**	
0.00	**1.00**	**OVB**						
1.00	**119.00**	**S1/ S3**						
106.05	**122.70**	**V4V9**						
122.70	**146.10**	**V4V10/ V9**						
146.10	**180.15**	**V4V9/ S3**						
180.15	**183.47**	**S6**						
183.47	**268.40**	**S3**						
268.40	**287.00**	**V4V9**						
287.00	**294.75**	**S7**						

294.75	**427.50**	**S1**						
427.50	**913.45**	**S1**						
913.45	**922.10**	**FAZ/ S3**						
922.10	**1152.00**	**S1**						
1080.00		**WEDGE**						
1080.00	**1162.00**	**S1**						
1162.00		**WEDGE AK07-01C**						
1162.00	**1511.00**	**S1**						
1511.00	**1565.00**	**S3/ S1**						
1565.90	**1661.10**	**S7**						
1661.10	**1703.87**	**S3/ S7**						
1703.87	**1731.38**	**1Sp**						
1731.38	**1802.20**	**S1**						
1802.20	**1858.75**	**S1/ S3**						
1858.75	**1877.75**	**V4V9/ S3**						
1877.75	**1890.47**	**S1**						
1890.47	**1906.35**	**1Sa**						
1906.35	**1941.00**	**S7/ S6**						
1941.00	**2034.80**	**S3**						
2034.80	**2065.00**	**S7/ S3**						
2065.00	**2125.75**	**S3**						
2125.75	**2154.80**	**S7**						
2154.80	**2184.15**	**S3**						
2184.15	**2253.00**	**S7**						
2253.00	**2269.80**	**S3**						
2269.80	**2283.00**	**1Sa**						
2283.00	**2290.25**	**S3/ V4V9**						
2290.25	**2294.35**	**V4**						
2294.35	**2314.00**	**1Sa**						
2314.00		**EOH**						
Sample	Numbers	Certificates						
64056	64075	7W-3734-RG1						
64076	64119	7W-3861-RG1 (Jan 9/ 08)						
64120	64185	8W-0059-RG1 (Jan 25/ 08)						
64186	64195	8W-0134-RG1 (Jan 29/ 08)						
64196	64216	8W-0171-RG1 (Jan 31/ 08)						
64217	64231	8W-0245-RG1 (Feb 7/ 08)						

64232	64253	8W-0256-RG1 (Feb 12/ 08)						
64254	65260	8W-0286-RG1 (Feb 13/ 08)						

DESCRIPTION (Hole no AK07-01C)							Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
0.00	1.00	OVB										
1.00	119.00	S1/ S3										
106.05	122.70	V4V9										
122.70	146.10	V4V10/ V9										
146.10	180.15	V4V9/ S3										
180.15	183.47	S6										
183.47	268.40	S3										
268.40	287.00	V4V9										
287.00	294.75	S7										
294.75	427.50	S1										
427.50	913.45	S1										
913.45	922.10	FAZ/ S3										
922.10	1080.00	S1										
1080.00		WEDGE										
1080.00	1162.00	S1										
1162.00		WEDGE										
1162.00		S1										
		The conglomerate comprises moderately fractured, typical, polymict, densely packed, intact framework conglomerate with fine grained to gritty wacke matrix and local lenses. Jasper grains and clasts are visible throughout the unit as are porphyritic and fine grained alkalic and granitic, light to dark green grey mafic and ultramafic ones. Mild to moderate fracturing continues down hole with 2% dull white calcite and minor ankerite fillings to 1195m and then drops below 0.5%. Through the interval, calcite is the dominant carbonate alteration pervading the matrix including selective calcification of some pebbles with local weak ankeritic patches. Magnetic susceptibilities are confined to a narrow low to moderate range of 0.24 to 0.58 to 1195m, below which values begin to undulate in a wider corridor up to 5.52. In places, the values are fairly tightly constrained within limits of 0.27 and 0.40 for 10- 15m. The conglomerate is weakly mineralized with trace fine pyrite (Py) and chalcopyrite (Cp). The wedge cut of the original hole is evident over the upper meter of the first box.											
		1289.00- 1376.00 : S1/ S3- Subtle change here to a finer grained to gritty conglomerate with fewer thick sections of intact framework, pebbly polymict conglomerate and an increase in gritty (0.1- 1.0cm) sized and wacke fractions. There are fewer felsic/ alkalic and porphyry clasts but the red jaspers persist. MS values remain constant at 0.24- 0.40 but the matrix becomes weakly pervaded with ankerite as well as calcite in coexistence. Veining averages about 0.5% calcite (minor ankerite) fractures and veinlets but increases locally to 2- 3% over a metre or so. Most of these veinlets/ stringers trend @ around 25 DTCA however, mineralization remains trace throughout.										
		1376.00- 1471.00 : S1/ S3- The gritty conglomerate continues as described but, locally, the intact framework lenses contain a calcitic matrix (over 5- 10cm) rather then wacke and MS values begin to rise and fluctuate within this elevated range of 0.34- 8.16 with most confined within bounds of 1.45 and 3.55. Matrix carbonate compositions, veining and sulphide content all remain essentially the same.										
		1471.00- 1511.00 : S1- Regular conglomerate as previously described with gritty and wacke matrix however there is a decrease in the MS values to a uniform level of 0.32- 0.41.										
1511.00	1565.00	S3/ S1										
		At this point there is an overall change to a more matrix dominated sedimentary package that contains abundant gritty zones and local lenses of fine pebble conglomerate. The unit contains fine grained to gritty wacke lenses from 0.5 to 3m in thickness grading into typical polymict pebbly lenses of pea gravel sizes (around 1cm). Both the wacke and conglomerate contain grains and pebbles of the red jasper.										

DESCRIPTION (Hole no AK07-01C)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		Susceptibilities are uniformly low in a range of 0.24- 0.38 and the matrix was found to be non reactive with										
		local very weak ankerite and calcite pervaded patches. Some pebbles are selectively calcite altered but										
		veining amounts to less then 0.5% including a few 5cm sections in which calcite forms the matrix										
		between the pebbles. Sulphides are negligible except as noted.										
			5	tr			64056	1514.00	1515.00	1.00	0.02	
		1515.17- 1515.34 : QCVZ- hazy/ diffuse, 15cm wide, dull white/ grey calcite (minor quartz) vein zone @	20	0.5	45	QCVZ	64057	1515.00	1515.50	0.50	0.02	
		45 DTCA with anomalous to trace finely disseminated Py.	0.5	N			64058	1515.50	1516.50	1.00	nil	
		1548.00- 1565.90 : S1/S3- There is a return to a fine conglomerate to gritty unit here in which the										
		pebbles continue to represent a variety of lithologies but they are generally small, averaging around 1cm										
		with local clasts to 5cm. They tend to be more subangular in shape but remain tightly packed (intact										
		framework) with little matrix material. Also, there is a subtle change to pervasive weak ankerite alteration										
		throughout the matrix with <0.5% quartz- calcite veinlets and stringers. MS values are very tightly										
		clustered around 0.31but sulphides remain negligible.										
		1552.92- 1552.95 : FAZ- weak 3cm sericite- calcite shear fault @ 75 DTCA with tight walls and trace										
		fine grains of Cp and Py										
1565.90	**1661.10**	**S7**										
		The lower 5m of the unit above consists mainly of gritty wacke lenses with local minor pea gravel zones										
		while the actual contact with the mudstone/ fine grained wacke is sharp and natural @ 30 DTCA.										
		Generally, the unit grades back and forth between fine and very fine grained bands and lenses of light to										
		medium grey to greenish and yellowish grey mudstone and wacke and includes local minor aphanitic										
		laminae and rip up clasts of dull yellow olive green siltstone. All of the bedding features trend roughly @										
		30 DTCA with local variations where the beds have been disrupted.										
		MS values decrease to a lower corridor of 0.11- 0.25 while the carbonate in the matrix and 2- 4% irregular										
		veinlets and stringer zones are ankeritic in composition. Sulphides average trace overall but are										
		concentrated up to 2% over 5- 10cm in some of the vein zones as detailed below.	tr	1	30/35		64059	1581.50	1582.50	1.00	0.01	
			1	25	30/35	QCVZ	64060	1582.50	1583.00	0.50	nil	nil
		1582.68- 1582.83 : QCVZ- mainly fractured qtz- ank vein material @ 35- 40 DTCA that is weakly	tr	6	30/35		64061	1583.00	1584.00	1.00	nil	
		mineralized with 2% very fine dusty Py and sericitized over 5- 10cm in the walls.	tr	4	30/35		64062	1584.00	1585.00	1.00	nil	
			tr	4	30/35		64063	1585.00	1586.00	1.00	nil	
		1586.08- 1586.80 : QCVZ- approximately 40% wavy and sericitic ankerite- quartz vein material @ 30- 35	tr	40	30/35	QCVZ	64064	1586.00	1587.00	1.00	nil	
		DTCA with the veining and anomalous sulphides concentrated over the upper 40cm of the interval.	tr	3	30/35		64065	1587.00	1588.00	1.00	0.01	0.01
		1595.80- 1595.96 : QCVZ- shreddy type of ankerite (- quartz) vein @ 25 DTCA that is weakly	4	tr			64066	1594.80	1595.70	0.90	nil	
		mineralized with anomalous to 0.5% fine dusty Py	15	tr	25	QCVZ	64067	1595.70	1596.30	0.60	nil	
			3	tr			64068	1596.30	1597.30	1.00	nil	
		1610.65- 1610.85 : FAZ- weak shear sericite fault zone @ 30- 35 DTCA. The FAZ and 1.5m up hole are										
		very weakly mineralized with trace fine Py which is accompanied by 20% patchy ankerite veining.	10	tr	irreg	QCVZ	64069	1608.60	1609.60	1.00	nil	
			18	tr	irreg	QCVZ	64070	1609.60	1610.50	0.90	nil	
		1638.5- 1661.10 : S7- The mudstone/ very fine grained wacke continues but the colour darkens slightly	10	tr	30	FAZ	64071	1610.50	1611.00	0.50	nil	
		to a medium (olive) grey colour and the bedding attitudes steepen to about 40- 45 DTCA. There is some	6	tr			64072	1611.00	1612.00	1.00	nil	
		evidence of soft sediment deformation in the beds.. MS values remain low, averaging around 0.17 while										
		the matrix is moderately pervasively ankeritic and veining decreases to <0.5%. Sulphides consist of Py										
		grains and streaks in fractures as well as rare splashes of Cp.										
		1639.20- 1640.00 : BBC- the core is broken into fine splinters through this section s a result of internal										
		stresses in a fracture zone that appears to cut the core at a low angle. There is no alteration, veining or										

DESCRIPTION (Hole no AK07-01C)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		mineralization associated with the structure.										
			2	tr			64073	1651.80	1652.80	1.00	nil	
		1652.85- 1653.15 : QCVZ- fairly massive quartz (- ankerite) vein @ about 30 DTCA rimmed with yellow	60	2	30	QCVZ	64074	1652.80	1653.30	0.50	nil	
		sericite alteration and mineralized with 1- 3% fine disseminated Py.	tr	tr			64075	1653.30	1654.20	0.90	nil	
1661.10	**1703.87**	**S3/ S7**										
		At about this point, there is an overall increase in grain size of the sediment to a wacke which is fine										
		grained, medium greenish grey coloured, and massive to thick bedded (@ 35- 40 DTCA) with local	2	tr			64076	1662.00	1663.00	1.00	0.01	
		intercalated finer mudstone layers. Locally, the bedding is enhanced with whispy streaks of ankerite and	2	tr			64077	1663.00	1664.00	1.00	Nil	
		sericite alteration. It is non magnetic, weakly pervaded with ankerite and mildly veined with 1% white	2	tr			64078	1664.00	1665.00	1.00	0.01	
		ankerite veinlets and minor stringers. Sulphides run trace to anomalous consisting of very fine	1	tr			64079	1665.00	1666.00	1.00	Nil	
		disseminated grains and local minor trains/ streaks of grains.	1	tr			64080	1666.00	1667.00	1.00	0.01	
		1678.40- 1678.60 : SHZ- weak sericite- carbonate shear zone forms a fault @ 35 DTCA mineralized										
		with trace fine Py										
			1	tr			64081	1683.20	1684.10	0.90	0.01	0.01
		1684.50- 1684.70 : QCVZ- a 6cm quartz- carbonate- sericite vein @ 35 DTCA forms the core of the	12	0.5	35	QCVZ	64082	1684.10	1684.70	0.60	0.01	
		zone. The vein and walls are mineralized with 1% fine disseminated Py and very minor Cp over about	1	tr		bl'd	64083	1684.70	1685.50	0.80	0.01	
		10cm. Moderate light yellowish green sericite- carbonate alteration extends 0.5m up, and 2.5m down hole,	1	tr		bl'd	64084	1685.50	1686.50	1.00	0.01	
		from the vein.	1	tr		bl'd	64085	1686.50	1687.50	1.00	Nil	
		1703.23- 1703.29 : FAZ- 5 cm wide shear- quartz- carbonate- chlorite fault zone @ 40 DTCA (dry)										
		1703.85- 1703.87 : FAZ- tight 1cm shear- mud- chlorite- carbonate fault zone @ 40 DTCA forms the										
		contact between the sediments and the porphyry										
1703.87	**1731.38**	**1Sp**										
		Abrupt change to a massive, homogenous, medium grained, light pink/ orange coloured/ altered syenite	4	tr			64086	1702.00	1703.00	1.00	0.01	
		porphyry in which fine (1-2mm sized), sub to euhedral feldspar phenocrysts are faintly visible in a fine	7	tr	40	FAZ	64087	1703.00	1703.80	0.80	0.01	
		grained feldspathic groundmass. Mild to moderate pervasive ankerite and sericite alteration migrating	4	0.5	40	FAZ	64088	1703.80	1704.35	0.55	0.01	
		along fine intergranular microfractures imparts a greenish tint to portions of the interval. MS values are	2	0.5			64089	1704.35	1705.00	0.65	0.01	
		slightly elevated over several metres at the contacts and drops to a low corridor of 0.08- 0.17 in the centre	4	0.5			64090	1705.00	1706.00	1.00	Nil	
		portion. In addition to the microfracturing, the unit is moderately fractured with 7- 9% gashy fine ankerite/	4	0.5			64091	1706.00	1707.00	1.00	Nil	
		sericite/ quartz fractures, veinlets and patches. The entire unit is mineralized with anomalous to 1% fine	4	0.5			64092	1707.00	1708.00	1.00	0.01	0.02
		to medium disseminated Py, particularly around the fractures and veinlets. The trailing contact is sharp,	4	0.5			64093	1708.00	1709.00	1.00	Nil	
		intrusive @ 45 DTCA.	5	0.5			64094	1709.00	1710.00	1.00	Nil	
			5	0.5			64095	1710.00	1711.00	1.00	0.02	
		1721.40- 1721.75 : QCVZ- patch of 75% dull grey/ pink quartz (-carbonate) vein material with trace	6	0.5			64096	1711.00	1712.00	1.00	0.02	
		mineralization in the vein and 0.5- 1% over 10cm in the walls.	6	0.5			64097	1712.00	1713.00	1.00	0.01	
			6	0.5			64098	1713.00	1714.00	1.00	0.03	
			8	0.5			64099	1714.00	1715.00	1.00	0.02	
			8	0.5			64100	1715.00	1716.00	1.00	0.09	
			8	0.5			64101	1716.00	1717.00	1.00	0.40	
			8	0.5			64102	1717.00	1718.00	1.00	0.21	
			8	0.5			64103	1718.00	1719.00	1.00	0.03	
			8	0.5			64104	1719.00	1720.00	1.00	0.25	
			8	0.5			64105	1720.00	1721.00	1.00	0.90	
			8	0.5			64106	1721.00	1722.00	1.00	0.39	
			30	1		QCVZ	64107	1722.00	1723.00	1.00	0.03	0.07
			3	0.5			64108	1723.00	1724.00	1.00	0.02	

DESCRIPTION (Hole no AK07-01C)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
			5	0.5			64109	1724.00	1725.00	1.00	0.11	
			3	0.5			64110	1725.00	1726.00	1.00	0.09	
			6	0.5			64111	1726.00	1727.00	1.00	0.32	
			7	0.5			64112	1727.00	1728.00	1.00	0.01	
			4	0.5			64113	1728.00	1729.00	1.00	0.03	
			3	0.5			64114	1729.00	1730.00	1.00	Nil	
			4	tr			64115	1730.00	1730.70	0.70	Nil	
			6	tr			64116	1730.70	1731.35	0.65	0.02	
			7	tr								
1731.38	**1802.20**	**S1**										
		A return here to a polymict, intact framework conglomerate with pebbles to 12 cm including porphyry, ultramafic, alkalic, various volcanics and red jaspers. The matrix comprises gritty to fine grained wacke and includes lenses of these and pea gravels. It is weakly pervaded with calcite and some pebbles are selectively calcified as well while veining amounts to 0.5% calcite (-quartz) veinlets and stringers. Susceptibilities range from lows of 0.59 to highs of 13.2 with overall sulphide contents of trace to nil.										
1802.20	**1858.75**	**S1/ S3**										
		A subtle change here to a finer grained equivalent of the conglomerate consisting of densely packed pea gravel conglomerate with abundant gritty and fine grained wacke lenses. Occasionally, clasts still attain lengths of up to 8cm but most are <2cm. They are still polymict, including the red jaspers, but tend to be subangular to subrounded in shape rather then spherical. MS values undulate in a higher range of 2.19-15.3 with the majority of the values above 8.00. The matrix remains weakly calcitic with continued selective calcification of some clasts and minor veining (<0.5%). Mineralization runs nil to trace.										
			N	tr			64117	1808.70	1809.60	0.90	0.03	
		1809.75- 1809.90 : QCVZ- a patchy, diffuse dull grey quartz- calcite vein zone roughly oriented @ 80	20	tr	80	QCVZ	64118	1809.60	1810.10	0.50	0.002	
		DTCA with trace fine grains and splashes of Py and Cp but no wall rock alteration	N	tr			64119	1810.10	1811.10	1.00	Nil	
		1834.60-1835.20 : CARB- zone of dull grey carbonate flooding/ streaming @ 25- 30 DTCA that is weakly mineralized with trace fine Py										
		1848.00- 1858.75 : S1- conglomerate as described but MS values drop to around 0.40 to 1855m at which point they gradually rise to 6.69 as the trachytic content increases.										
1858.75	**1877.75**	**V4V9/ S3**										
		There is a definite change through a gradational contact into a fine grained to gritty tuffaceous sediment in which the small (<3cm, most less then1cm) sized clasts are almost exclusively trachytic (medium greyish pink/ red) in composition with a complete loss of the red jaspers. Overall, the unit is dark pinkish grey coloured, and fine whispy carbonate alteration highlights weak bedding features @ 30- 40 DTCA. The change is reflected in the susceptibilities which climb to as high as 19.7 with lows to 6.81. The carbonate in the matrix becomes weakly ankeritic but later veining is negligible and sulphides comprise trace fine pinpricks of Py.										
1877.75	**1890.47**	**S1**										
		Back to the finer polymict conglomerate as previously described with generally smaller clasts to 8cm, many of them flat and imbricated suggesting a bedding attitude that tracks along the core axis. There are abundant pinkish coloured alkalic clasts near the start of the interval although red jasper clasts and grains are also prevalent. MS value fall within a fairly tight range averaging around 9.20 but drop lower in areas of stronger carbonate (calcite- chlorite) alteration. Excluding the strong patches of quartz- carbonate at the start, it is veined with 2- 4% fine calcite (-quartz) streaks and gashy veinlets. Weak calcite pervades										

DESCRIPTION (Hole no AK07-01C)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		the matrix and mineralization runs nil/ trace.										
		1887.00- 1890.47 : S1 (fract'd)- In the lower portion, the host becomes gritty textured and appears to be										
		chlorite fractured with the fabric trending along the core axis.										
1890.47	**1906.35**	**1Sa**	3	0.5	mass		64120	1889.50	1890.50	1.00	Nil	
		Sharp rolling/ irregular intrusive contact @ about 25 DTCA leads into a massive, medium/ fine grained,	3	0.5	mass		64121	1890.50	1891.00	0.50	Nil	
		homogenous, medium greyish pink/ orange coloured syenite dike that is reminiscent of the typical	3	0.5	mass		64122	1891.00	1892.00	1.00	Nil	
		Kirkland Lake type syenite porphyry. In places, faint outlines of feldspar phenos are visible (1898.60/	3	0.5	mass		64123	1892.00	1893.00	1.00	Nil	Nil
		1904.40m) with the aid of a lens, however, in most areas they are absent. The dike contains 0.5%	3	0.5	mass		64124	1893.00	1894.00	1.00	Nil	
		scattered mafic inclusions which are also common in the porphyries. It is veined with 2- 4%, calcite/	3	0.5	mass		64125	1894.00	1895.00	1.00	Nil	
		ankerite/ chlorite/ quartz filled, gash type fractures and veinlets; the matrix is weakly pervaded with	3	tr	mass		64126	1895.00	1896.00	1.00	Nil	
		ankerite. MS values begin low at 0.21/ 0.29 over several metres around the contacts but rise to 3.01- 5.26	3	tr	mass		64127	1896.00	1897.00	1.00	Nil	
		through the middle. It is mineralized with trace to 0.5% fine to medium disseminated Py.	3	tr	mass		64128	1897.00	1898.00	1.00	Nil	
			3	tr	mass		64129	1898.00	1899.00	1.00	Nil	
		1891.60 : Gravel- there is a section of gravel/ ground core that appears to result from material falling	3	tr	mass		64130	1899.00	1900.00	1.00	Nil	
		down the hole during the holidays. The gravel is composed of wacke and enclosed by syenite.	3	tr	mass		64131	1900.00	1901.00	1.00	Nil	
			3	tr	mass		64132	1901.00	1902.00	1.00	Nil	
		1906.30- 1906.35 : QCVZ- quartz- sericite- carbonate- shear vein/ fault @ 55 DTCA ends the dike. It is	3	tr	mass		64133	1902.00	1903.00	1.00	Nil	
		mineralized with trace Py but the greenish sericite alteration extends a few metres up in to the syenite and	3	tr	mass		64134	1903.00	1904.00	1.00	Nil	
		only 10- 20cm down.	3	tr	mass		64135	1904.00	1905.00	1.00	Nil	
			3	tr	mass		64136	1905.00	1906.00	1.00	Nil	
1906.35	**1941.00**	**S7/ S6**	15	tr	mass	QCVZ	64137	1906.00	1906.35	0.35	Nil	
		Change to a very fine grained/ aphanitic, massive to crudely bedded (mainly @ about 65 DTCA), and	4	tr			64138	1906.35	1907.00	0.65	Nil	
		medium to light olive/ greenish grey coloured. Some of the bedding is highlighted by dull olive grey	2	tr			64139	1907.00	1908.00	1.00	Nil	
		alteration that impregnates the bedding planes and also follows fractures. It was found to be weakly	2	tr			64140	1908.00	1909.00	1.00	0.01	
		pervaded with ankerite when tested for carbonate composition and fractures and clusters of shreddy/	3	tr			64141	1909.00	1910.00	1.00	Nil	
		gashy, chlorite- fractured veins are also generally ankeritic (1911.00/ 1913.90m). Susceptibilities are	10	tr	65	QCVZ	64142	1910.00	1911.00	1.00	Nil	
		uniformly low at 0.17- 0.22 while mineralization comprises trace to 0.5% very fine dusty Py in the matrix	3	0.5			64143	1911.00	1912.00	1.00	Nil	
		and the vein clusters.	3	tr			64144	1912.00	1913.00	1.00	Nil	
			10	tr	65	QCVZ	64145	1913.00	1914.00	1.00	Nil	
		1915.50- 1915.60 : QCVZ/ FAZ- This is a combination QCVZ with sericite shearing and chloritic	1	tr			64146	1914.00	1915.00	1.00	Nil	
		crushing @ 70 DTCA. There is no increased mineralization associated with the zone.	8	tr	70	QCVZ	64147	1915.00	1916.00	1.00	Nil	
			1	tr			64148	1916.00	1917.00	1.00	Nil	
		1920.20- 1926.00 : CARB/ Bl'd- The colour lightens progressively to a pale greenish to yellowish grey	1	tr			64149	1917.00	1918.00	1.00	Nil	
		colour towards the end of the interval where the texture becomes spindly fractured somewhat resembling	1	tr			64150	1918.00	1919.00	1.00	Nil	
		lapilli. Susceptibilities drop slightly to 0.10- 0.15 and ankerite continues to moderately pervade the matrix.	0.5	tr			64151	1919.00	1920.00	1.00	Nil	Nil
		Veining is negligible (<0.5%) but trace to anomalous fine dusty sulphides continue disseminated through	0.5	tr			64152	1920.00	1921.00	1.00	Nil	
		the altered zone.	0.5	tr			64153	1921.00	1922.00	1.00	Nil	
			0.5	tr			64154	1922.00	1923.00	1.00	Nil	
		1926.00- 1941.00 : S7- Return to fine to very fine grained, massive to crudely bedded (@ about 60	0.5	tr			64155	1923.00	1924.00	1.00	0.01	
		DTCA) mudstone that is mottled in shades of light/ medium grey to buff/ yellowish grey. Susceptibilities	0.5	tr			64156	1924.00	1925.00	1.00	Nil	
		rise slightly to 0.14- 0.23, veining increases to 1% calcite (/quartz) veinlets while ankerite pervades the	0.5	tr			64157	1925.00	1926.00	1.00	Nil	
		matrix. Fine dusty sulphides range from trace to 0.5%. There is a gradual increase in grain size to fine	1	0.5			64158	1926.00	1927.00	1.00	0.03	
		wacke down hole.										
			1	0.5			64159	1927.00	1928.00	1.00	Nil	
1941.00	**2034.80**	**S3**	1	tr			64160	1928.00	1929.00	1.00	Nil	
		Beginning at about this point, the protolith is considered as a wacke, being fine grained, massive, and	1	tr			64161	1929.00	1930.00	1.00	Nil	
		uniformly greenish grey coloured (a few red jasper grains were noted). There is an overall very	1	tr			64162	1930.00	1931.00	1.00	Nil	
		gradational increase in the grain size from fine grained to gritty to 1953.85m suggesting that tops are up	1	tr			64163	1931.00	1932.00	1.00	Nil	

DESCRIPTION (Hole no AK07-01C)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		hole. Testing for carbonate composition indicates that the matrix is both weakly calcitic and ankeritic while	1	tr			64164	1932.00	1933.00	1.00	Nil	
		veining begins as 4% irregular dull white calcitic veinlets which decrease to 1% below 1946m. MS values	1	tr			64165	1933.00	1934.00	1.00	Nil	
		are universally low at 0.24- 0.35 (except as noted) and sulphides run nil/ trace.	1	tr			64166	1934.00	1935.00	1.00	Nil	
			1	tr			64167	1935.00	1936.00	1.00	Nil	
		1953.85- 1957.65 : V4V9/ S3- Gradual change into a more tuff derived sediment which begins fine	1	tr			64168	1936.00	1937.00	1.00	Nil	
		grained and ends gritty, again suggesting that tops are up hole. The change in composition is verified by	1	tr			64169	1937.00	1938.00	1.00	Nil	
		the presence of fine (to 1cm) medium greyish pink trachyte clasts/ grains as well as an increase in MS	1	tr			64170	1938.00	1939.00	1.00	Nil	
		values which rise to as high as 4.07. The lower contact is well defined @ 45 DTCA.	1	tr			64171	1939.00	1940.00	1.00	Nil	Nil
			1	tr			64172	1940.00	1941.00	1.00	Nil	
		1957.65- 1980.00 : S3- Back to a fine grained to slightly gritty, medium/ dark greenish grey coloured										
		massive to weakly bedded (@ 40+/- DTCA) wacke complete with jasper grains. MS values generally drop										
		to the lower range of 0.25- 0.38 with local incursions to 2.00 in slightly tuffaceous lenses. The matrix										
		remains both weakly pervasively calcitic and ankeritic while mineralization runs nil/ trace.										
		1980.00- 1991.00 : S3/ V4V9- The fine grained greywacke continues here but becomes more strongly	1	tr			64173	1985.00	1986.00	1.00	Nil	
		magnetic with susceptibilities running as high as 9.65. Some jasper grains were noted near the start of	1	0.5			64174	1986.00	1987.00	1.00	Nil	
		the interval but were missing by the end. Both high magnetics and lack of jaspers suggests a more	1	0.5			64175	1987.00	1988.00	1.00	Nil	
		tuffaceous element in the sediment. Coincidentally, there is an increase in sulphides (fine disseminated	1	0.5			64176	1988.00	1989.00	1.00	Nil	
		Py) up to 0.5% over 1- 2m through the middle of the interval as well as a change from calcite to weak	1	tr			64177	1989.00	1990.00	1.00	Nil	
		pervasive ankerite in the matrix.										
		1991.00- 2000.50 : S3/ S2- The MS values drop to below 0.38 but the host remains fine grained,										
		massive, homogenous, granular textured and medium greenish grey coloured. There is a distinct lack of										
		jasper grains and more light pinkish ones. Ankerite remains the dominant carbonate pervading the matrix										
		while calcite fractures and veinlets amount to 1%. There are trace sulphides within the unit.										
		2000.50- 2030.55 : S3/ V4V9- back to fine grained to mildly gritty, massive, medium- dark grey green										
		coloured wacke that is magnetically irregular (MS 0.21- 8.03 with most values clustering around 1.50)										
		suggesting a strong alkalic tuffaceous content. Only rare jasper grains were observed and a few trachytic										
		pebbles were noted towards the end of the interval. It is cut by 2% dull white carbonate- quartz stringers										
		and veinlets while the matrix remains ankeritic. Trace fine dusty sulphides are disseminated through the										
		unit.										
			1	tr			64178	2023.50	2024.50	1.00	Nil	
		2024.73- 2024.74 : SHZ- 1cm shear- chlorite- carbonate slip with narrow halo of orange hematite/ K	8	tr	70	SHZ	64179	2024.50	2025.00	0.50	Nil	
		spar alteration @ 70 DTCA.	1	tr			64180	2025.00	2026.00	1.00	Nil	
		2030.55- 2034.80 : S1/ V4l- Gritty to weakly pebbly (15%) conglomerate or coarse trachytic (lapilli) tuff.	1	tr			64181	2030.00	2031.00	1.00	Nil	
		Most of the fine clasts and grit are light/ medium pink/ orange coloured and the magnetics are slightly	4	0.5			64182	2031.00	2032.00	1.00	Nil	
		elevated at 1.35- 8.25. The higher susceptibilities combined with lack of jasper of jasper grains/ clasts	1	tr			64183	2032.00	2033.00	1.00	Nil	
		suggests a high trachytic component. It is mineralized with anomalous fine dusty Py and the matrix is	1	tr			64184	2033.00	2034.00	1.00	Nil	
		both, weakly pervasively calcitic and ankeritic.	1	tr			64185	2034.00	2035.00	1.00	Nil	
2034.80	**2065.00**	**S7/ S3**										
		The sediment suddenly becomes fine/ very fine grained with a 1.5m lens of wacke (with jaspers)										
		containing abundant rip up(?) clasts. It then becomes very fine grained and crudely bedded @ 35 DTCA										
		with a mix of fine and very fine grained bands (including jasper grains. The colour is uniformly medium/										
		dark greyish green with about 1% white calcite veinlets cutting the host. MS values are tightly constrained										
		within limits of 0.25- 0.35 while testing for carbonate indicates that the matrix is coevally pervaded with										
		calcite and ankerite. Trace fine dusty Py was noted throughout the unit.										

DESCRIPTION (Hole no AK07-01C)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
2065.00	**2125.75**	**S3**										
		At about this point, the protolith becomes mainly fine grained wacke with only local very fine/ aphanitic grained mudstone lenses. Generally it is massive to crudely bedded (@ 30+/- DTCA), the bedding faintly highlighted by weak carbonate alteration and uniformly medium grey green coloured. In places, it contains widely scattered small pebbles (including jasper) and local rip up clasts. MS values fall within a low corridor of 0.15- 0.36 with most clustered around 0.22 while the matrix remains both weakly pervasively ankeritic and calcitic. Late veining comprises 1% white calcite veinlets and stringers to 1.5cm with local trace Py associated with the veins and disseminated in the matrix. Some may occur as detrital grains and lenses.										
			2	tr			64186	2102.00	2103.20	1.20	Nil	
		2100.50- 2103.20 : S7- Lens of very fine grained/ aphanitic mudstone that is thick to fine bedded @ about 35 DTCA although some slump textures are also evident. The unit is light to medium greenish grey banded and weakly magnetic (MS 0.20). No significant mineralization is associated with the unit.	18	2	15	QCVZ	64187	2103.20	2104.10	0.90	0.02	
			4	tr			64188	2104.10	2105.00	0.90	0.01	
		2103.20- 2004.10 : QCVZ- Actually a calcite fracture/ weak breccia zone @ approximately 15 DTCA with conjugate fractures. The zone is mineralized with 0.5- 3% trains and disseminations of fine to medium Py crystals.										
			8	tr			64189	2121.00	2121.80	0.80	0.01	
		2122.86- 2122.94 : QCVZ- 4.5cm, grey quartz- carbonate vein @ 45 DTCA mineralized with 5- 7% fine Py	3	tr			64190	2121.80	2122.60	0.80	Nil	
			20	2	45	QCVZ	64191	2122.60	2123.10	0.50	Nil	
			3	tr			64192	2123.10	2124.00	0.90	0.01	
2125.75	**2154.80**	**S7**										
		Sharp contact @ 55 DTCA into an aphanitic/ very fine grained, thick to finely bedded/ laminated (@ 45 DTCA), medium olive grey coloured mudstone. MS values are tightly constrained at 0.17- 0.22, the matrix is weakly to moderately pervaded with ankerite, veining consists of 0.5% calcite veinlets (except as noted), and mineralization is related to the veining as well as disseminated Py in chloritic gashes.										
			2	tr			64193	2126.75	2127.60	0.85	0.01	
		2127.75- 2128.10 : QCVZ- 40% grey, irregular quartz veining with olive yellow sericite wall rock alteration and 2% clusters of medium grained Py.	30	1		QCVZ	64194	2127.60	2128.20	0.60	Nil	
			0.5	tr			64195	2128.20	2129.30	1.10	Nil	
2154.80	**2184.15**	**S3**										
		The fine grained mudstone ends abruptly on a curved, partially slumped mudstone lens @ about 60 DTCA. It leads into s massive, fine grained (no jaspers), medium/ light greenish/ yellowish grey wacke that is weakly pervaded with ankerite. Veining is negligible (<0.5%), MS values remain steady at 0.13- 0.18, and mineralization comprises trace grains and clots of fine Py.										
		2166.70- 2168.60 : QCVZ- 15% weak whispy, irregular fracture type, dull grey quartz- ankerite veining with streaky yellow sericitic alteration and 1% medium Py mineralization.	1	tr			64196	2165.75	2166.70	0.95	0.02	
			12	1		QCVZ	64197	2166.70	2167.60	0.90	0.01	Nil
			18	1		QCVZ	64198	2167.60	2168.60	1.00	Nil	
		2174.35- 2175.70 : S7- zone of yellow streaked (sericitized) very fine grained, well bedded (@ 70 DTCA) to contorted dark olive grey coloured mudstone unit overprinted with 10% grey quartz- ankerite veining and trace sulphides.	1	tr			64199	2168.60	2169.60	1.00	Nil	
		2181.85- 2183.72 : BBC- the core here is recovered mainly as fine chips and splinters with a few solid pieces in between resulting in an estimated RQD of 20%. There is no apparent structure to cause the bad ground, possibly internal stresses.										
2184.15	**2253.00**	**S7**										
		Return to the finer grained sediments characterized by a very fine grain size, generally massive nature	1	tr			64200	2206.00	2207.00	1.00	Nil	

DESCRIPTION (Hole no AK07-01C)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		with local fine bedding (@ 50/ 55 DTCA) and slumping/ disrupted bedding, a medium greenish grey	1	1			64201	2207.00	2208.00	1.00	Nil	
		colour with local yellowish (sericitized) zones/ lenses, ;low magnetics (MS 0.11- 0.16), weak pervasive	1	1			64202	2208.00	2209.00	1.00	Nil	
		ankerite alteration, and, 1% dull white calcite/ quartz veinlets and stringers. Mineralization runs trace at	1	1			64203	2209.00	2210.00	1.00	0.01	
		the start of the hole, however, beginning at about 2207m, there is an increase to 1% sulphides consisting	1	1			64204	2210.00	2211.00	1.00	Nil	
		of Py and Po with minor Cp occurring in chloritic streaks and clots/ clumps to 1.5cm.	1	1			64205	2211.00	2212.00	1.00	Nil	
			1	1			64206	2212.00	2213.00	1.00	Nil	
		2227.70- 2228.10 : CARB- whispy dull white calcite travels at a low angle (10 degrees) to the core axis.	1	tr			64207	2213.00	2214.00	1.00	Nil	
		It contains trace fine Py cubes and is immediately followed by a 0.5m section of splintered core that is	1	tr			64208	2214.00	2215.00	1.00	Nil	
		probably caused by a weak fracture fault, also @ 10 DTCA.	1	tr			64209	2215.00	2216.00	1.00	Nil	
			1	tr			64210	2216.00	2217.00	1.00	Nil	
		2245.00- 2253.00 : S7/ S3- gradational changes back and forth through massive zones of very fine to	1	1			64211	2217.00	2218.00	1.00	0.01	
		fine grained mudstone and wacke. There is also a sprinkling of trace fine disseminated Py through the	1	tr			64212	2218.00	2219.00	1.00	Nil	
		interval.										
			4	tr			64213	2244.00	2245.00	1.00	Nil	
		2250.20- 2250.50 : CARB- whispy, pale pink, dry, 6cm, calcite- quartz vein @ 15 DTCA.	0.5	tr			64214	2245.00	2246.00	1.00	Nil	Nil
			0.5	tr			64215	2246.00	2247.00	1.00	Nil	
2253.00	**2269.80**	**S3**										
		Abrupt change @ 40 DTCA into a fine grained, massive, granular textured, homogenous, medium green										
		grey coloured, much more strongly magnetic (MS 1.42- 8.30) wacke that contains occasional fine jasper	N	tr			64216	2255.00	2256.00	1.00	Nil	
		grains. It was found to be coevally weakly pervaded with calcite and ankerite while veining, 1% fractures	0.5	tr			64217	2256.00	2257.00	1.00	0.01	
		and veinlets, was calcitic as well. Trace disseminated Py is ubiquitous to the unit and was spot sampled.	0.5	tr			64218	2257.00	2258.00	1.00	Nil	
		By about 2260m, the MS values decrease to a lower level of 0.34- 0.45 and then rise back to 4.84 by the										
		end.										
2269.80	**2283.00**	**1Sa**	3	tr		1Sa	64219	2269.80	2271.00	1.20	0.23	
		Sharp rolling natural leading contact @ 75 DTCA into an altered syenite that, locally, exhibits a weakly	3	tr		1Sa	64220	2271.00	2272.00	1.00	0.06	
		developed porphyritic texture with diffuse dull white/ pink feldspars. Generally, however, the syenite is	3	tr		1Sa	64221	2272.00	2273.00	1.00	0.03	0.01
		medium greyish brown/ pink coloured, massive, homogenous, fine/ medium textured/ grained, and	3	tr		1Sa	64222	2273.00	2274.00	1.00	0.12	
		moderately well microfractured. Testing for carbonate composition of the matrix reveals that it is weakly	20	tr		1Sa/QV	64223	2274.00	2274.50	0.50	0.02	
		ankeritic and calcitic in part, the remainder being neutral. Veining amounts to 2% quartz/ carbonate/	1	tr		1Sa	64224	2274.50	2275.50	1.00	Nil	
		chlorite veinlets and fractures with a major QVZ at 2274.35m (see below). IT is weakly magnetic (MS 0.25	1	tr		1Sa	64225	2275.50	2276.50	1.00	Nil	
		0..83) and weakly mineralized with trace to anomalous (<0.5%) fine grains of Py and Cp.	1	tr		1Sa	64226	2276.50	2277.50	1.00	0.01	
			1	tr		1Sa	64227	2277.50	2278.30	0.80	0.02	0.01
			1	tr		1Sa	64228	2278.30	2279.10	0.80	0.01	
		2274.30- 2274.41 : QVZ- 8cm light grey/ pink quartz vein with chloritic fractures and no obvious	1	tr		1Sa	64229	2279.10	2280.00	0.90	0.01	
		sulphides cuts the syenite @ 55 DTCA.	1	tr		1Sp	64230	2280.00	2281.00	1.00	Nil	
			1	tr		1Sp	64231	2281.00	2282.00	1.00	0.01	
		2280.0- 2283.00 : 1Sp/ 1Sa- Through the lower portion of the unit, there is a more distinct dull white	1	tr		1Sp	64232	2282.00	2283.00	1.00	Nil	
		diffuse speckling that is suggestive of a porphyritic texture. Mafic inclusions, a characteristic feature of the										
		syenite porphyries in Kirkland Lake, are also more noticeable.										
2283.00	**2290.25**	**S3/ V4V9**	3	N			64233	2283.00	2284.00	1.00	Nil	
		Sharp natural coarsely serrated/ flamed contact at a high angle (75 degrees?) ends the syenite and leads	3	N			64234	2284.00	2285.00	1.00	0.02	
		back into the wacke. Overall, it is fine to very fine grained, massive, homogenous, finely granular textured,	3	N			64235	2285.00	2286.00	1.00	Nil	
		dark greyish green coloured, and moderately to weakly magnetic (MS 6.92- 12.0). The higher magnetics	3	N			64236	2286.00	2287.00	1.00	Nil	
		suggest that this may contain a high tuffaceous component although rare fine jasper grains were noted.	8	tr	85	QCV	64237	2287.00	2287.30	0.30	Nil	Nil
		The wacke is coevally, weakly calcitic and ankeritic but veining is negligible, comprising 1% fine calcite	3	N			64238	2287.30	2288.00	0.70	Nil	
		fractures and veinlets. A dusting of very fine trace Py is disseminated through the unit.	3	N			64239	2288.00	2289.00	1.00	Nil	
			3	N			64240	2289.00	2290.00	1.00	Nil	
		2287.17- 2287.19 : QCVZ- 2cm, laminated/ fractured quartz- carbonate- chlorite vein @ 85 DTCA										

DESCRIPTION (Hole no AK07-01C)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au-chk
		contains a few fine splashes of Cp.										
2290.25	**2294.35**	**V4**										
		Strange unit that appears to comprise 65% tongues of porphyritic trachyte lapping into the fine grained	2	N			64241	2290.00	2291.00	1.00	Nil	0.01
		wacke as irregular blobs. They are fresh looking, dark grey to black coloured and contain 10% fine white	2	N			64242	2291.00	2292.00	1.00	Nil	
		calcite specks overprinting feldspar phenos and 10% fine (1- 2mm) black, amphibole (biotite?) crystals in	2	N			64243	2292.00	2293.00	1.00	Nil	
		a fine grained, dark brownish grey groundmass. Susceptibilities rise to 20.4- 36.1 in the trachyte blobs	2	N			64244	2293.00	2294.00	1.00	Nil	
		and remain lower in the sediment host. The matrix is pervasively calcitic with a hint of minor ankerite	2	N			64245	2294.00	2294.35	0.35	Nil	
		while veining comprises 1% calcite fractures. Mineralization consists of trace fine grains of Py and Cp.										
2294.35	**2314.00**	**1Sa**	0.5	0.5		1Sa	64246	2294.35	2295.00	0.65	0.07	
		The syenite leads with a sharp natural contact @ 65 DTCA. Intuitively, because it contains mafic	0.5	tr		1Sa	64247	2295.00	2296.00	1.00	Nil	
		inclusions and is medium greyish pink coloured, the unit could be considered as a syenite porphyry, but	0.5	tr		1Sa	64248	2296.00	2297.00	1.00	Nil	
		since it lacks distinctive phenocrysts and is fine grained/ textured, it is designated as altered syenite.	0.5	tr		1Sa	64249	2297.00	2298.00	1.00	Nil	
		Down hole, the colour becomes progressively more medium grey. MS values decrease to a range of 0.60 -	0.5	tr		1Sa	64250	2298.00	2299.00	1.00	0.01	
		5.12, but the matrix remains ankeritic and veining is negligible (0.5%). The leading 0.5m is mineralized	0.5	tr		1Sa	64251	2299.00	2300.00	1.00	0.01	
		with 0.5% fine disseminated Py while the remainder contains trace to anomalous Py.	0.5	tr		1Sa	64252	2300.00	2301.00	1.00	0.02	0.02
			5	tr		1Sa	64253	2301.00	2302.00	1.00	0.01	
		2210.45- 2212.90 : QCVZ- a series of 15% pale pink calcite (-quartz) stringers to 1cm travel along the										
		core axis. The walls are mineralized with 1-3% disseminated fine Py crystals.	0.5	tr		1Sa	64254	2306.00	2307.00	1.00	0.04	
			0.5	tr		1Sa	64255	2307.00	2308.00	1.00	0.07	
		2212.90- 2214.00 : 1Sa- Below the vein, the colour and texture of the syenite has resulted in a unit that	tr	tr		1Sa	64256	2308.00	2309.00	1.00	Nil	
		is difficult to distinguish from a wacke without the aid of a lens. It is medium pinkish grey coloured, fine (to	tr	tr		1Sa	64257	2309.00	2310.00	1.00	0.05	
		weakly medium) grained, massive, with rare mafic inclusions. With a lens, it is evident, however, that the	1	0.5		1Sa	64258	2310.00	2310.65	0.65	0.03	
		host is not granular textured, but that the crystalline texture is not well defined either. It becomes	10	1	10	QCVZ	64259	2310.65	2311.85	1.20	0.01	0.03
		moderately pervasively ankeritic and mineralized with anomalous fine disseminated Py.	tr	tr		1Sa	64260	2311.85	2313.00	1.15	0.05	
			tr	tr		1Sa	64261	2313.00	2314.00	1.00		
2314.00		**EOH**										
		The hole was stopped at this point because the drill had reached the limits of it's capability at the steep										
		dip. The actual footage is 2213.80m. The casing was left in and the hole is being prepped for directional										
		wedging.										

PROPERTY: Amalgamated Kirkland			HOLE NUMBER AK07-01B					
Province:	Ontario	**DATE LOGGED:** Nov 17- 28, 2007	**Grid:**	**7600 E**	**Method**	**Depth**	**Az**	**Dip**
Township	Teck	**LOGGED BY:** FR Ploeger		10080 N	Reflex			
Started:	16-Nov-07	**DRILLED BY:** Benoit Diamond Drilling	**UTM:**	**569788 E**		978	352.5	-87.2
Completed:	27-Nov-07	**UNITS:** Metres	**NAD 83**	**5330703N**		1026	350.3	-87.3
CORE SIZE:	NQ	**CORE LOCATION:** Upper Canada	**ELEV :**	**337 m**		1077	343.3	-87.5
			LENGTH:	1497m		1095	325.9	-85.9
		Location: leased clm 328 (106667)				1175	309.9	-85.9
PURPOSE:			**Depth**	**Az**	**Dip**	1221	298.6	-85.9
			21	334.5	-59.0	1300	296.2	-85.7
COMMENTS:			54	328.2	-88.6	1377	292.3	-85.1
			102	331.1	-88.1	1440	291.0	-84.0
			177	330.6	-87.9	1500	287.3	-83.6
			249	321.7	-87.1			
			312	336.4	-86.2			
			399	331.9	-86.1			
			477	342.5	-86.3			
			552	331.6	-86.3			
			627	350.5	-86.9			
			702	344.3	-86.9			
			777	350.0	-87.4			
			828	353.8	-87.8			
			900	359.4	-87.7			

SUMMARY LOG		AK07-01B						
From	**To**	**Lithology**	**From**	**To**	**Metres**	**Au g/t**	**Cu%**	
0.00	**1.00**	**OVB**						
1.00	**119.00**	**S1/ S3**						
106.05	**122.70**	**V4V9**						
122.70	**146.10**	**V4V10/ V9**						
146.10	**180.15**	**V4V9/ S3**						
180.15	**183.47**	**S6**						
183.47	**268.40**	**S3**						
268.40	**287.00**	**V4V9**						
287.00	**294.75**	**S7**						
294.75	**427.50**	**S1**						
427.50	**913.45**	**S1**						
913.45	**922.10**	**FAZ/ S3**						

922.10	1152.00	S1						
1152.00		EOH/ WEDGED						
1080.00		WEDGE						
1080.00	1497.00	S1						
1497.00		EOH						

DESCRIPTION (Hole no AK07-01B)							Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au g/t (check)
0.00	1.00	OVB										
1.00	119.00	S1/ S3										
106.05	122.70	V4V9										
122.70	146.10	V4V10/ V9										
146.10	180.15	V4V9/ S3										
180.15	183.47	S6										
183.47	268.40	S3										
268.40	287.00	V4V9										
287.00	294.75	S7										
294.75	427.50	S1										
427.50	913.45	S1										
913.45	922.10	FAZ/ S3										
922.10	1080.00	S1										
1080.00		WEDGE										
1080.00	1497.00	S1										
		The conglomerate comprises moderately fractured, typical, polymict conglomerate with fine grained to gritty wacke matrix and local lenses. Jasper grains and clasts are visible throughout the unit as are porphyritic and fine grained alkalic and granitic, light to dark green grey mafic and ultramafic ones. Mild to moderate fracturing continues down hole with 3% dull white ankerite and calcite fillings over 5- 6m and then 0.5- 1% calcite below. Throughout the interval, calcite is the dominant carbonate alteration pervading the matrix and susceptibilities undulate in a low to moderate range of 0.27 to 8.93, with most values tracking between 2.65 and 6.70. The unit is weakly mineralized with trace fine Py and Cp. The wedge cut of the original hole is evident over the upper meter of the first box.											
		1148.00- 1165.50 : S3/ S1- There is a general fining of the pebbles from grit to 8cm (most <1.5cm) although the pebble compositions remain polymict, including the red jasper, and, an increase in the overall proportion of wacke matrix. Coincidentally, the magnetics drop to a steady level of 0.25- 0.40 and a section from 1155- 1165m that is strongly pervaded with calcite. The calcite infusion appears to be related to a faint/ diffuse foliation fabric @ 25- 30 DTCA and resultant broken core from 1157- 1158m. Secondary veining amounts to perhaps 1% calcite and mineralization is trace.											
		1165.50- 1265.00 : S1- Return to the typical polymict conglomerate with intact framework and containing a variety of clast sizes. There is a thick (pebbly) wacke lens from 1175.50- 1180.70m, within which there is a beginning of scattered, relatively flat (@ 5- 15 DTCA), ankerite chlorite fractures that continue through the unit. The composition of the matrix remains weakly calcitic, however, there are a number of local weak ankeritic patches as well, and, most of the 2-3% fracture fillings and veinlets are ankeritic. Below 1205m, veining decreases to <0.5%. MS values are generally low, undulating gently between lows of 0.26 and highs of 1.24 (clustering mainly around 0.35) while sulphides remain at trace.											
		1188.60- 1189.10 : FAZ- weak FAZ comprising a leading carbonate (ankerite) slip @ 15 DTCA followed by broken splintered core.										
		1198.70- 1199.00 : FAZ- a section of finely splintered core and minor gouge suggest a weak to moderate FAZ @ a low angle of about 15 DTCA.										
		1265.00- 1328.00 : S3/ S1- Overall subtle change to a pebbly wacke consisting of conglomerate and gritty zones with local lenses of wacke and pebbly wacke in a ratio of 40% conglomerate to 60% wacke and grit. The pebbles in the conglomerate and wacke remain polymict including red jasper. MS values range between 0.23 and 1.03 but most are constrained within limits of 0.29 and 0.37. Veining amounts to										

DESCRIPTION (Hole no AK07-01B)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au g/t (check)
		<0.5% fine calcitic fractures confined mainly to pebbles while the matrix proves to be both weakly pervaded with ankerite as well as patches of calcite. There is no strong alteration of any kind and mineralization continues to run at trace.										
		1305.27- 1305.33 : FAZ- weak 1cm chlorite, crush/ shear fault/ slip 25 DTCA. From the FAZ to about 1336m, the host contains 3% white/ pink calcite fractures all oriented at the same angle.										
		1328.00- 1497 : S1- back to the densely packed/ intact framework, polymict conglomerate containing the jasper clasts, as previously described. MS values continue to fluctuate in a low range of 0.24- 0.40 and the matrix is generally non reactive with local weak calcitic as well as ankeritic patches. No significant sulphides were noted. At 1350m, susceptibilities begin to undulate in a slightly higher range of 0.70- 9.45 (return to lower range at 1459m) and the core is overprinted with local 10-25cm diffuse zones of calcite streaming.										
		1347.80- 1348.00 : CARB- zone of whispy pale grey carbonate (calcite) streaming @ about 15 DTCA with no significant wall rock alteration, veining or mineralization.										
1497.00		**EOH**										

PROPERTY: Amalgamated Kirkland			HOLE NUMBER AK07-01A					
Province:	Ontario	**DATE LOGGED:** Oct 24- Nov 16, 2007	**Grid: 7600 E**		**Method**	**Depth**	**Az**	**Dip**
Township	Teck	**LOGGED BY:** FR Ploeger	10080 N		Reflex			
Started:	23-Oct-07	**DRILLED BY:** Benoit Diamond Drilling	**UTM: 569788 E**			978	352.5	-87.2
Completed:	15-Nov-07	**UNITS:** Metres	**NAD 83 5330703N**			1026	350.3	-87.3
CORE SIZE:	NQ	**CORE LOCATION:** Upper Canada	**ELEV : 337 m**			1077	343.3	-87.5
			LENGTH: 1152 m					
		Location: leased clm 328 (106667)						
PURPOSE:			**Depth**	**Az**	**Dip**			
			21	334.5	-89.0			
COMMENTS:			54	328.2	-88.6			
			102	331.1	-88.1			
			177	330.6	-87.9			
			249	321.7	-87.1			
			312	336.4	-86.2			
			399	331.9	-86.1			
			477	342.5	-86.3			
			552	331.6	-86.3			
			627	350.5	-86.9			
			702	344.3	-86.9			
			777	350.0	-87.4			
			828	353.8	-87.8			
			900	359.4	-87.7			

SUMMARY LOG		AK07-01A						
From	**To**	**Lithology**	**From**	**To**	**Metres**	**Au g/t**	**Cu%**	
0.00	**1.00**	**OVB**						
1.00	**119.00**	**S1/ S3**						
106.05	**122.70**	**V4V9**						
122.70	**146.10**	**V4V10/ V9**						
146.10	**180.15**	**V4V9/ S3**						
180.15	**183.47**	**S6**						
183.47	**268.40**	**S3**						
268.40	**287.00**	**V4V9**						
287.00	**294.75**	**S7**						
294.75	**427.50**	**S1**						
427.50	**913.45**	**S1**						
913.45	**922.10**	**FAZ/ S3**						
922.10	**1152.00**	**S1**						

1152.00		EOH/ WEDGE						
Sample	Numbers	Certificates						
64004	64017	7W-3525-RG1 (Nov 16/ 07)						
64018	64055	7W-3557-RG1 (Nov 28/ 07)						

DESCRIPTION (Hole no AK07-01A)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au g/t (check)
0.00	1.00	OVB										
		The hole is essentially collared in bedrock about 100m west of hole Ak-10. It is designed to test the Macassa Mine high grade, relatively flat dipping, mineralized horizons at the 5000- 5400ft levels.										
		During the course of logging, all holes were systematically checked for the carbonate composition of the matrix and veining as well as for the magnetic component. The carbonate was determined by using dilute hydrochloric acid (HCl) to test for calcite (fizzes) and potassium ferricyanide (KFC) which stains blue in the presence of ankerite. The magnetic susceptibility (MS) is checked with a model KT-6 Kappameter which yields an absolute reading.										
1.00	119.00	S1/ S3										
		The hole begins in Timiskaming Group clastic sediments consisting of pebbly sections in a fine grained to gritty wacke matrix. In some areas, the clasts appear to be more alkalic related (trachyte/ syenite) while in others they are totally mixed. Typically, the unit consists of a fine grained to gritty, granular textured, massive, dark greenish grey coloured matrix material and more massive lenses containing pebbly/ conglomeratic zones and scattered clasts. Pebbles range from grit sizes to 8cm but are mainly less then 2cm in size. Most are altered in shades of light to dark orange (reflecting the alkalic character) but others are fine to medium textured, porphyritic, variably coloured and include the typical red jasper clast which range from sand to pebble sizes. It is composed of 10- 20% clasts greater then grit sizes.										
		Susceptibilities are highly variable, ranging from lows of 4.23 to highs of 30.2, most ranging between 10.1 and 22.118.0. The high values indicate a high trachytic component in the sediment. Testing for carbonate composition with HCl and KFC reveals that the matrix is weakly pervasively ankeritic and the 4- 6% creamy white fractures, veinlets and stringers cutting the unit are mainly ankeritic in composition with local weak calcitic ones. It is also moderately microfractured. Mineralization through the package, comprises trace scattered grains and small clusters of Py. A few fractures higher in the hole are oxidized through groundwater percolation.										
		39.00- 39.05 : QCVZ- oxidized, fractured QCV @ 40 DTCA										
		71.00- 71.42 : CARB- zone begins and ends with porcelainous ankerite- chert alteration and patchy veining @ 55/ 65 DTCA. Trace sulphides										
		67.90- 89.15 : V4V10- Mostly gritty texture in which a high proportion of the fine clasts within the interval are composed of pinkish coloured, trachytic material, with no obvious red jasper grains or pebbles. Contacts are gradational.										
		89.15- 119.00 : S3/ V9- At this point, beginning with a series of sericite- carbonate shears @ 35/ 20 DTCA, there is a change to a generally fine grained to gritty unit (with scattered pebbles) that is also weakly sericite and ankerite altered. In examining the granules in the matrix, no jasper grains were seen, and in addition, there is an abrupt drop in the susceptibilities to below 4.00 and a lightening of the colour to medium greyish to beigey green. Otherwise, it remains weakly to moderately pervaded with ankerite, veined with 3% creamy white, irregular, gashy ankerite fractures, veinlets and stringers, and mineralized										
		105.40- 106.05 : FAZ- zone of whispy sericitic fracturing centred on a 12cm sericite- carbonate shear fault @ 55 DTCA seems to form the contact with the following trachytic unit.										
106.05	122.70	V4V9										
		There appears to be a change to a fine to very grained, massive, pale greyish pink/ beige phase of the fine										

DESCRIPTION (Hole no AK07-01A)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au g/t (check)
		grained clastic package. It too lacks the red jasper clasts/ grains typical of the sediment derived										
		packages. Therefore, because of the high alkalic component and granular texture, it is designated as a										
		trachytic tuff. MS values remain low at 0.27- 1.75 and ankerite is the main carbonate pervading the matrix										
		and filling the 5% veinlets and gashy stringers cutting the unit. It is weakly mineralized with trace fine										
		grains and splashes of Py and chalcopyrite (Cp).										
		111.40- 111.70 : FAZ/ QCVZ- 0.3cm shear chlorite fault @ 15 DTCA enclosed within a zone of grungy										
		chlorite- ankerite fracturing and veining mineralized with trace fine streaks and grains of Py & Cp.										
122.70	**146.10**	**V4V10/ V9**										
		Beginning with a ragged chlorite- sericite slip @ 25 DTCA, the hole rolls into a mixed tuffaceous, gritty										
		and finely fragmental unit that is characterized by lenses of 0.3- 3cm sized, mostly pale pink/ greyish/										
		greenish coloured, somewhat diffuse fragments in a fine grained to gritty medium/ dark beigey/ pinkish/										
		greenish grey matrix. As with the tuff above, no red jasper grains, which suggest a sedimentary										
		provenance, are visible. Susceptibilities undulate in a wide range of 2.54- 25.3 while veining begins fairly										
		heavy with 10% irregular gashy white ankerite veinlets and stringers to 132.30m, and then decreases to										
		1% fine fractures and veinlets. The matrix is ankeritic and sulphides, trace.										
146.10	**180.15**	**V4V9/ S3**										
		There is a gradation into a unit that lacks the fragments and the jasper grains. Overall, it is fine grained to										
		gritty, granular textured, massive to locally weakly bedded @ 45- 60 DTCA, and medium/ dark greyish										
		green coloured. MS values are generally moderate, falling between limits of 12.1 and 19.4 with a spike to										
		40.6 at the start and decreasing to 0.55 and 2.59 below 155.60m. Ankerite continues to pervade the matrix										
		and veining is mild, comprising 0.5- 1% creamy white ankerite fractures and veinlets to 155.60m below										
		which the host is cut by a major ankerite vein (see description below). Mineralization remains low at trace.										
		155.95- 157.12 : CARB- Zone of 50% gashy ankerite veinlets and stringers ending with a massive 42cm										
		ankerite vein @ 60/ 40 DTCA. Sulphides are trace.										
		170.20- 171.20 : S7- Zone containing lenses of very fine/ fine grained, dark grey green coloured, finely										
		banded to flamey mudstone(?) (@ 45 DTCA.										
		171.20- 180.15 : Vcic/ S1- The trachytic unit ends with a gritty to finely clastic unit in which clasts range										
		up to 6cm but are generally less then 2cm in size. Most are coloured in shades of light grey, pink, orange										
		and buff (no jaspers noted) in a fine to gritty medium greyish green matrix. Susceptibilities are highly										
		variable, ranging from 0.59- 11.2.										
180.15	**183.47**	**S6**										
		Between the trachytes and wackes, there is a wedge of massive to flamey to bedded, pale yellowish green										
		to medium greyish green coloured, fine to very fine grained mudstone. Bedding fabrics are accented by										
		yellow whispy sericite @ about 45 DTCA. MS values range between 0.13 and 0.38, veining consists of										
		0.5% carbonate veinlets and stringers, and mineralization runs trace.										
183.47	**268.40**	**S3**										
		At this point, there is a noticeable change in texture to a fairly homogenous, massive, fine grained, finely										
		granular, light/ medium greyish green coloured wacke. There is a general lack of pebbles (local scattered										
		clasts and weakly pebbly lenses), but, fine grains and grit sized clasts of red jasper are visible in the										
		matrix. It is pervasively altered with ankerite but is also overprinted with 1% white ankerite fractures and										

DESCRIPTION (Hole no AK07-01A)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au g/t (check)
		veinlets as well as 2% whispy yellowish sericite fracture controlled alteration, which become particularly prominent below 196m. Susceptibilities drop immediately to a stable low corridor of 0.11- 0.14 but sulphides remain at trace.										
		223.15- 226.40 Ser Zone- The interval is laced with numerous (15%) whispy yellow sericite fractures and halos mineralized with trace fine Py grains/ crystals. Many of the fractures, including the trailing one, trend @ about 15 DTCA.										
		238.30- 245.75 : V4 V10- The wacke here contains 25% light beige/ tan/ pink/ yellowish beige, subrounded fragments ranging from grit size to 25cm (at 242.85m, possible syenite tongue).										
		245.75- 249.60 : S7- Zone of 50% fine to very fine grained, massive, dark/ medium grey mudstone with weak local, irregular bedding contacts @ 35 DTCA. Interlensed with fine to gritty tuff (no jasper).										
		254.00- 258.00 : S1/ BX/ FAZ- combination of moderate fracturing and local cataclastic and crushed zones within a moderately sericitized pebbly wacke zone beginning on a crushed carbonate altered zone @ 45 DTCA. The local internal structural features and minor FAZ's trend roughly @ 30 DTCA. The zone ends with a 4cm gouge fault @ 25 DTCA, 45cm fractured carbonate veining and 12cm cataclastic FAZ @ 40 DTCA.										
		262.00- 268.40 : S1/ S3- The interval ends with a gritty to pebbly wacke containing grains of jasper. Clasts are polymict, including several very fine grained, elongated (cucumber shaped), dark greenish grey mudstone ones, and range up to 6cm in size although most are less then 2cm. MS values undulate gently in a low range of 0.22- 0.44, the matrix remains ankeritic, veining consists of 4% gashy ankerite veinlets and stringers, and sulphides are trace.										
268.40	**287.00**	**V4V9**										
		Although the granular texture remains, there is a subtle change to a more tuffaceous host which lacks the red jasper grains that typify the wackes. Overall, it is fine grained to gritty with local scattered clasts and pebbly lenses, massive, and medium greyish green to pinkish green coloured. Locally, it contains, contorted, slumped in, very fine grained tuff/ mudstone lenses. Clasts tend to be coloured in lighter shades of beige/ pink or dark green. Susceptibilities immediately rise and begin to undulate within limits of 1.48 and 19.6 while both the matrix and 1- 2% veinlets are ankeritic. Sulphides run trace.										
287.00	**294.75**	**S7**										
		The contact with the trachyte tuff is sharp and crudely serrated @ 35 DTCA. Overall, the mudstone unit comprises zones of fine to very fine grained wacke, siltstone and mudstone, all dark (/ medium) greyish green coloured, generally exhibiting gradational contacts, sometimes sharp and bulbous/ contorted. In places, there is a crude bedding developed at shallow angles (15 degrees) to the core axis. MS values drop to a well defined corridor of 0.17- 0.32 while the matrix remains pervaded with ankerite. Veining comprises 0.5% fine irregular yellow sericite fractures and white ankerite veinlets as well as a 3cm, streaky, jointed/ fractured ankerite vein @ 25 DTCA at 291.95m. Mineralization consists of trace specks of Py.										
294.75	**427.50**	**S1**										
		At this point, the lithology changes to a conglomeratic horizon consisting of lenses of polymict conglomerate, pebbly wacke and fine grained to gritty wacke. Pebbles are generally rounded to subrounded, small, - to 12cm but mainly less then 3cm- and represent numerous lithologies including, red jasper, green carbonate, black (dark green) volcanics, buff/ beige/ pale pink felsic and alkalic, sometimes										

DESCRIPTION (Hole no AK07-01A)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au g/t (check)
		porphyritic, clasts. The matrix ranges from fine grained to gritty medium/ dark greyish green wacke										
		including jasper grains. MS values are low (0.17- 0.31), the matrix pervasively ankeritic, and veining										
		minimal, consisting of 1% gashy creamy white ankerite stingers and veins. Trace fine grains and										
		splashes of Cp and Py were noted.										
		313.45- 314.40 : V7- Fine/ very fine grained, locally well bedded/ laminated (@ 40 DTCA), light/ medium										
		yellowish grey green, mudstone. Contacts are well defined @ about 50/ 50 DTCA.										
		328.80- 329.60 : V7- Fine/ very fine grained bedded mudstone as above with contacts that are slumped/										
		embayed and a 40cm leading section in which finely bedded/ laminated (@ 35 DTCA) mudstone abuts										
		against rolling gritty wacke in an unconformable contact.										
		364.20-364.30 : FAZ- weak, shear sericite fault with a minor muddy slip @ 30 DTCA.										
		370.40- 370.50 : FAZ- early ankerite breccia fault @ 40 DTCA.										
		370.00- 379.00 : S1 (magn)- There is a slight increase in the magnetic signature to as high as 4.33										
		through this interval, reflecting a decrease in alteration.										
427.50	**913.45**	**S1**										
		There is an overall change to a slightly more magnetic conglomerate and a change in composition to a										
		greater variety of clasts and in texture to denser packing. Beginning at about 440m, the clasts become										
		more variable with an increase in medium grained to porphyritic felsic and syenitic compositions, larger,										
		up to 29cm in size, and more densely packed into an intact framework (i.e. in contact with each other).										
		One 18cm cobble of bright red jasper was noted at 468.10m. The matrix comprises fine grained to gritty										
		wacke. There is another slight increase in the susceptibilities to a range of 1.50- 20.8 through this interval										
		although most values fall between 2.40- and 7.94, reflecting a change to 0.5- 1% calcite fractures and										
		quartz stringers and weak pervasive ankerite as well as calcite alteration. Below 458m, MS values	1	tr			64004	492.30	493.30	1.00	0.01	0.01
		decrease to a lower corridor of 0.22- 1.02.	30 vg	tr	25	QCVZ	64005	493.30	493.80	0.50	Nil	-
			1	tr			64006	493.80	494.80	1.00	0.01	-
		493.50- 493.65 : QCVZ- 9cm light pink and dull white fractured and weakly cataclastic vein @ 25 DTCA	6	tr			64007	494.80	495.80	1.00	0.01	-
		mineralized with trace to slightly anomalous fine Py and Cp and a possible very fine speck of VG.	1	tr			64008	495.80	496.90	1.10	0.08	-
			20	tr	35	QCVZ	64009	496.90	497.90	1.00	0.02	-
			1	tr			64010	497.90	498.40	0.50	Nil	-
		497.20- 497.28 : QCVZ- 45cm carbonate quartz vein @ 35 DTCA containing trace fine grains of Py and	1	tr			64011	498.40	499.40	1.00	0.11	-
		Cp	1	tr			64012	499.40	500.40	1.00	Nil	-
			20	tr	30	QCVZ	64013	500.40	501.10	0.70	0.01	-
		500.80- 501.00 : QCVZ- 15cm whispy calcite- quartz vein @ 30 DTCA with minor trace fine Py	1	tr			64014	501.10	502.00	0.90	Nil	Nil
		512.45- 512.80 : S1- odd section of the conglomerate with intact framework pebbles but no matrix										
		material. The spaces between the clasts have been filled by later low temperature calcite. This										
		phenomenon is repeated several times lower in the unit.										
		550.18- 550.21 : FAZ- the fault is represented by a small pile of gouge @ 40 DTCA										
		583.80- 583.90 : FAZ- the core is moderately well broken up for 1.5m up hole and splintered and										
		gougey through the fault @ 45 DTCA										
			2	tr	N	N	64015	582.90	583.90	1.00	Nil	-
		583.90- 584.20 : SHZ- weak sericitic shear zone @ 35 DTCA mineralized with anomalous very fine	12	tr	N	tr	64016	583.90	584.40	0.50	0.06	-
		grains and splashes of Py and Cp along with carbonate veining and silicification.	3	tr	N	N	64017	584.40	585.40	1.00	0.01	-

DESCRIPTION (Hole no AK07-01A)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au g/t (check)
		608.60- 608.95 : QCVZ- quartz- carbonate veins to 6cm @ 45 DTCA enclose a large 23cm syenite porphyry cobble. There are trace sulphides associated with the veins.										
		622.50- 771.00 : S1- there is a general rise in the higher range of the magnetics through this interval to 12.4 as well as increase in the fine whispy to gashy carbonate fractures and veinlets to 2%. Both the matrix and veining are calcitic with minor ankerite. Otherwise, the host constitutes a polymict (including jasper pebbles and grains), intact framework conglomerate as described although it becomes more dark grey toned, magnetically stronger (MS 3.02- 7.68) and more strongly calcitic below 642m. Massive gritty and sandy lenses account for approximately 10% of the interval.										
		609.00- 610.05 : BBC- The core is splintered into small pieces and chips along irregular fractures with no focussed source.										
		624.70- 625.15 : 1Sp- This is either an hourglass shaped boulder or an irregular shaped, light grungy greyish orange, medium grained syenite porphyry dike partially wanders along the core axis and that does not exhibit any chilled margins.										
		719.83- 719.94 : FAZ- weak finely shreddy/ whispy, shear calcite chlorite fault @ 25 DTCA										
		724-39- 724.49 : FAZ- weak cataclastic, silica- calcite healed FAZ @ 35 DTCA										
		771.00- 802.00 : S1- The conglomerate continues as described previously but the MS values drop to a very consistent low range of 0.33- 0.44 before starting to rise gently into a moderate undulatory range of 0.90- 5.60 below 802m. At about 850m, the values drop back down into the lower range of 0.24- 0.58.										
		888.90- 895.00 : S3- Change to a series of fine grained to gritty wacke lenses that traverse the conglomerate package at about 20- 25 DTCA. Contacts are gradational into the conglomerates and the red jaspers are present throughout. The matrix remains weakly pervaded with calcite and MS values continue in the low range of 0.29- 0.34.										Cu
			1	tr			64018	905.00	906.00	1.00	Nil	56
		903.70- 913.45 : V9/ S3- There is a definite change in the character of the wacke at this point the most notable being the lack of jasper grains which actually ended around 900m. Overall, the host becomes dark greenish grey coloured, fine grained to gritty with scattered rare small pebbles, and an increase in the magnetics (MS to 4.08) beginning at 905m. In addition, there is a decrease in the variety of clasts, a small (to 2cm), subangular, drab light greenish grey type that becomes dominant. By 910.50m, MS values drop to the lower range around 0.30. The only significant sulphides in the hole to date, 0.5% fine disseminated Py, occurs over about 1.5m around 908m.	1	tr			64019	906.00	907.00	1.00	Nil	87
			1	0.5			64020	907.00	908.00	1.00	0.02	25
			1	0.5			64021	908.00	909.00	1.00	Nil	177
			1	tr			64022	909.00	910.00	1.00	Nil	73
			1	tr			64023	910.00	911.00	1.00	Nil	88
			1	tr			64024	911.00	912.00	1.00	Nil	141
			1	tr			64025	912.00	913.00	1.00	0.1	127
			4	tr	30-45	shr	64026	913.00	914.00	1.00	Nil	74
913.45	**922.10**	**FAZ/ S3**	5	tr		shr	64027	914.00	915.00	1.00	Nil	20
		Overall, the FAZ is characterized by a penetrative, fine, whispy, wavy, yellowish sericite foliation @ 30- 45 DTCA that is centred around broken up/ splintered gougey zones @ 25- 30 DTCA at 916.70- 917.50m. There are several sympathetic strong fractures and slips both up and down hole from the gouge faults. Above the gouge zone, the protolith consists of light/ medium yellowish green altered/ coloured trachytic tuffwacke, whereas below, the host reverts to the pebbly wacke (including jasper grains) as described previously. In addition, there is a change to pervasive ankerite alteration below the FAZ and MS values remain clustered around 0.30. Mineralization comprises local anomalous concentrations of fine dusty Py that only amounts to trace overall.	1	tr		shr	64028	915.00	916.00	1.00	**1.56**	115
			4	tr		flt	64029	916.00	917.00	1.00	0.07	61
			3	tr		flt	64030	917.00	918.00	1.00	0.07	192
			4	tr		shr	64031	918.00	919.00	1.00	0.02	95
			3	tr		shr	64032	919.00	920.00	1.00	0.08	81
			3	tr		shr	64033	920.00	921.00	1.00	0.01	40
			3	tr		shr	64034	921.00	922.00	1.00	0.02	40
			3	tr		fract'd	64035	922.00	923.00	1.00	0.1	159
			3	tr		fract'd	64036	923.00	924.00	1.00	0.38	31

DESCRIPTION (Hole no AK07-01A)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Cp (%)	Core angle	Desc	Sample Number	From	To	Length	Au g/t	Au g/t (check)
922.10	1152.00	**S1**	3	tr		fract'd	64037	924.00	925.00	1.00	0.05	74
		The conglomerate/ pebbly wacke horizon begins with a chlorite fractured, grungy light pinkish grey										
		coloured, fine grained, granular textured, trachyte tuff or arkose that is enclosed within well defined										
		contacts @ 45/ 55 DTCA. This is followed, at 923.35m, by moderately fractured, typical, polymict										
		conglomerate with fine grained to gritty wacke matrix and local lenses. Jasper grains and clasts are										
		visible throughout the unit as are porphyritic and fine grained alkalic and granitic, light to dark green grey										
		mafic and ultramafic ones. Moderate fracturing continues down hole from the fault zone with 5% dull white										
		ankerite fillings. Furthermore, ankerite continues as the dominant carbonate alteration pervading the										
		matrix and susceptibilities remain concentrated around 0.30. The unit is weakly mineralized with trace										
		fine Py and Cp.										
												Cu
		950.50- 951.40 : QCVZ- dull white/ grey quartz- ankerite vein zone that roughly mimics the attitude of a	3	tr			64038	949.50	950.50	1.00	0.01	48
		trailing slip @ 15 DTCA; mineralized with trace fine Py and Cp	90	tr	15	QCVZ	64039	950.50	951.40	0.90	Nil	101
			2	tr			64040	951.40	952.35	0.95	Nil	70
		952.55- 952.77 : FAZ- healed, weak cataclastic type fault @ 35 DTCA consisting of bounding diffuse	15	tr	35	flt	64041	952.35	953.00	0.65	0.02	67
		carbonate- quartz- shear vein zones enclosing partially crushed/ cataclastic (healed) and massive host	3	tr			64042	953.00	954.00	1.00	Nil	105
		containing rare trace sulphides.										
												Cu
		968.43- 968.50 : QVZ- dull grey quartz vein with irregular contacts @ 35 DTCA and trace fine dusty	4	tr			64043	967.30	968.20	0.90	Nil	71
		disseminated Py and Cp in the walls	15	tr	35	QCVZ	64044	968.20	968.70	0.50	0.03	83
			3	tr			64045	968.70	969.50	0.80	0.03	51
		972.76- 972.87 : QCVZ- whispy QCVZ that is foliated/ sheared @ 35 DTCA and followed about 30cm	4	tr			64046	969.50	970.50	1.00	0.01	79
		down hole by a shear carbonate fracture zone at a similar attitude. Trace fine sulphides are associated	4	tr			64047	970.50	971.50	1.00	Nil	64
		with these vein zones	4	tr			64048	971.50	972.50	1.00	0.01	84
			15	tr	35	QC shr	64049	972.50	973.50	1.00	0.01	82
		983.20- 984.20 : QCVZ- actually a series of quartz- carbonate- chlorite slips and shears @ 40/ 25	7	tr			64050	973.50	974.50	1.00	0.3	121
		DTCA that are all weakly mineralized with trace fine Cp and Py.										Cu
			4	tr	40	QCVZ	64051	982.00	983.00	1.00	0.03	13
		988.00- 1152.00 : S1- the conglomerate continues basically as described, however, at this point there is	10	tr	35	QC shr	64052	983.00	984.00	1.00	0.03	14
		a general change to a weak pervasive calcite alteration in the matrix and some veining, along with an	12	tr			64053	984.00	984.50	0.50	Nil	11
		increase in susceptibilities to an undulatory range of 0.38- 48.0 with most values constrained within limits	2	tr			64054	984.50	985.50	1.00	Nil	25
		of 0.49- 4.61. In some areas, a weak blue stain indicates local patchy ankeritic alteration overprinting the	10	tr	35	QCVZ	64055	985.50	986.50	1.00	Nil	48
		general calcitic background.										
		1021.04- 1021.12 : FAZ- 1cm carbonate-mud fault @ 20 DTCA										
		1039.73- 1039.93 : BBC/ FAZ- zone of broken core with a small amount of gouge indicating a possible										
		fault at low angle (5 degrees) to the core axis.										
		1051.50- 1053.50 : BBC- the core here is intermittently chipped and splintered along irregular sets of										
		fractures that track along, and at low angles, to the core axis.										
1152.00		**EOH/ WEDGE**										
		At this point, the drillers were given a "wedge bit" to try to flatten the hole without setting a wedge. While										
		lowering the bit, they dropped the rods and jammed the bit forcing them to make several attempts to blast										
		the rods. They then had to set a wedge and continue the hole as Ak07-01W.										

PROPERTY: Amalgamated Kirkland			HOLE NUMBER AK07-01					
Province:	Ontario	**DATE LOGGED:** Oct 14- 18, 2007	**Grid:** 7600 E		**Method**	**Depth**	**Az**	**Dip**
Township	Teck	**LOGGED BY:** FR Ploeger	10080 N		Compass	Collar		
Started:	14-Oct-07	**DRILLED BY:** Benoit Diamond Drilling	**UTM: 569788 E**		reflex	12.0	17.1	-88.6
Completed:	18-Oct-07	**UNITS:** Metres	**NAD 83 5330703N**			51.0	4.6	-88.8
CORE SIZE:	NQ	**CORE LOCATION:** Upper Canada	**ELEV : 337 m**			102.0	340.0	-87.5
			LENGTH: 270.5 m			174.0	325.5	-85.5
		Location: leased clm 328 (106667)				249.0	322.2	-84.8
PURPOSE:								
COMMENTS:								
SUMMARY LOG		**AK07-01**						
From	**To**	**Lithology**	**From**	**To**	**Metres**	**Au g/t**	**Cu%**	
0.00	**1.00**	**OVB**						
1.00	**119.00**	**S1/ S3**						
119.00	**125.85**	**V4V9**						
125.85	**147.30**	**V4V10/ V9**						
147.30	**181.70**	**V4V9/ S3**						
181.70	**270.50**	**S3**						
270.50		**EOH**						
Sample	Numbers	Certificates						
64001	64003	7W-3525-RG1 (Nov 16/ 07)						

DESCRIPTION (Hole no AK07-01)							Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Mag (%)	Cpy (%)	Sample Number	From	To	Length	Au g/t	
0.00	**1.00**	**OVB**										
		The hole is essentially collared in bedrock about 100m west of hole Ak-10. It is designed to test the Macassa Mine high grade, relatively flat dipping, mineralized horizons at the 5000- 5400ft levels.										
		During the course of logging, all holes were systematically checked for the carbonate composition of the matrix and veining as well as for the magnetic component. The carbonate was determined by using dilute hydrochloric acid (HCl) to test for calcite (fizzes) and potassium ferricyanide (KFC) which stains blue in the presence of ankerite. The magnetic susceptibility (MS) is checked with a model KT-6 Kappameter which yields an absolute reading.										
1.00	**119.00**	**S1/ S3**										
		The hole begins in Timiskaming Group clastic sediments consisting of pebbly sections in a fine grained to gritty wacke matrix. In some areas, the clasts appear to be more alkalic related (trachyte/ syenite) while in others they are totally mixed. Typically, the unit consists of a fine grained to gritty, granular textured, massive, dark greenish grey coloured matrix material and more massive lenses containing pebbly/ conglomeratic zones and scattered clasts. Pebbles range from grit sizes to 8cm but are mainly less then 2cm in size. Most are altered in shades of light to dark orange (reflecting the alkalic character) but others are fine to medium textured, porphyritic, variably coloured and include the typical red jasper clast which range from sand to pebble sizes. It is composed of 10- 20% clasts greater then grit sizes.										
		Susceptibilities are highly variable, ranging from lows of 1.56 to highs of 27.1, most ranging between 11.0 and 18.0. The high values indicate a high trachytic component in the sediment. Testing for carbonate composition with HCl and KFC reveals that the matrix is weakly pervasively ankeritic and the 2- 4% creamy white fractures, veinlets and stringers cutting the unit are mainly ankeritic in composition with local weak calcitic ones. It is also moderately microfractured. Mineralization through the package, comprises trace scattered grains and small clusters of Py. A few fractures higher in the hole are oxidized through groundwater percolation.										
		33.00- 33.10 : CARB- zone of porcelainous ankerite (K spar?) alteration and veining associated with chlorite slips (/faults) @ 45 DTCA.										
		58.90- 59.60 : 1Sp- Faintly porphyritic textured grading to fine grained, dark greenish/ pinkish grey coloured, syenite dike. Contacts are very subtle and indistinct, the leading one lost in slivers of broken core, the trailing one irregular but weakly distinguishable @ 35 DTCA.										
		69.25- 78.65 : V4V10- Most of the clasts within the interval are composed of pinkish coloured, trachytic material, with no obvious red jasper grains or pebbles. Contacts are gradational.										
		84.40- 119.00 : S3/ V9- At this point, beginning with a sericite- carbonate shear @ 25 DTCA, there is a change to a generally fine grained to gritty unit that is also weakly sericite and ankerite altered. In examining the granules in the matrix, no jasper grains were seen, and in addition, there is an abrupt drop in the susceptibilities to below 1.00 and a lightening of the colour to medium greyish to pinkish green. Otherwise, it remains weakly to moderately pervaded with ankerite, veined with 4% creamy white, irregular, gashy ankerite fractures, veinlets and stringers, and mineralized with trace pyrite (Py).										
		100.30- 100.50 : FAZ- chlorite fractured carbonate zone centred on a sericite shear slip/ fault @ 15 DTCA.										
119.00	**125.85**	**V4V9**										
		There appears to be a change to a fine to very grained, massive, pale greyish pink/ beige phase of the fine										

DESCRIPTION (Hole no AK07-01)							Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Mag (%)	Cpy (%)	Sample Number	From	To	Length	Au g/t	
		grained clastic package. It too lacks the red jasper clasts/ grains typical of the sediment derived										
		packages. Therefore, because of the high alkalic component and granular texture, it is designated as a										
		trachytic tuff. MS values remain low at 0.31- 0.60 and ankerite is the main carbonate pervading the matrix										
		and filling the 6% veinlets and gashy stringers cutting the unit. It is weakly mineralized with trace fine										
		grains and splashes of Py and chalcopyrite (Cp).										
		125.50-125.85 : FAZ/ QCVZ- The interval leads with a 10cm creamy white ankerite- quartz vein zone @										
		35 DTCA and ends with a 1.5cm grungy chlorite shear fault zone @ 25 DTCA.										
125.85	**147.30**	**V4V10/ V9**										
		Below the fault, the hole rolls into a gritty to finely fragmental unit that is characterized by 0.3- 3cm sized,										
		mostly pale pink coloured, somewhat diffuse fragments in a fine grained to gritty light/ medium buff/										
		beigey/ pinkish/ greyish green matrix. As with the tuff above, no red jasper grains, which suggest a										
		sedimentary provenance, are visible. Susceptibilities undulate in a wide range of 0.52- 12.7 while veining										
		begins fairly heavy with 10% irregular gashy white ankerite veinlets and stringers to 133.85m, and then										
		decreases to 1% fine fractures and veinlets. The matrix is ankeritic and sulphides, trace.										
147.30	**181.70**	**V4V9/ S3**										
		There is a gradation into a unit that lacks the fragments and the jasper grains. Overall, it is fine grained to										
		gritty, granular textured, massive to locally well bedded @ 30- 45 DTCA, and light greyish green coloured.										
		MS values are generally moderate, falling between limits of 10.3 and 19.0 and ankerite continues to										
		pervade the matrix. Veining is mild, comprising 0.5- 1% creamy white ankerite fractures and veinlets with										
		rare (to 3cm) veins. Mineralization remains low at trace.										
		178.40- 181.70 : S7- Zone containing lenses of very fine/ fine grained, limey yellow green coloured,										
		whispy to finely banded mudstone(?) (@ 40 DTCA ends the trachytic tuff unit.										
181.70	**270.50**	**S3**										
		Noticeable change in texture to a fairly homogenous, massive, fine grained, finely granular, light/ medium										
		greyish green coloured wacke. There is a general lack of pebbles and fine grains and grit sized clasts of										
		red jasper are visible in the matrix. It is pervasively altered with ankerite but is also overprinted with 3%										
		white ankerite fractures and veinlets as well as 3% whispy yellowish sericite alteration around some										
		fractures. Susceptibilities drop immediately to a stable low corridor of 0.11- 0.18 but sulphides remain at										
		trace.										
		200.00- 205.55 : S1- pebbly lens consisting of polymict clasts ranging from grit to 4cm in size and from										
		green carbonate (in situ altered u/m) to dark mafic volcanic, to felsic, to jasper in composition. MS values										
		rise slightly to 0.32 and yellowish sericite alteration is semi pervasive in addition to the ankerite.										
		211.85- 212.25 : S7- massive, very fine grained, pale buff green grey, lens of mudstone/ siltstone with										
		irregular shallow contacts (about 20 DTCA).										
			2	tr	15	ser'd	64001	224.00	225.00	1.00	0.01	
		225.28-225.30 : QCVZ- grungy grey quartz- carbonate- chlorite? zone @ 65 DTCA with trace sulphides	4	tr	15	ser'd	64002	225.00	225.50	0.50	0.01	
		and possible graphite- moly in the greyish alteration.	2	tr	15	ser'd	64003	225.50	226.50	1.00	nil	
		236.60- 239.90 : S1- pebbly lens containing polymict, grit to 12cm sized clasts with an intact framework										
		and a wacke matrix with jasper.										
		239.90- 241.50 : S7- streaky to poorly bedded (@ about 25 DTCA), fine/ very fine grained, light										

DESCRIPTION (Hole no AK07-01)						Samples / Assays						
From (m)	To (m)	Description	Qcv (%)	Py/Po (%)	Mag (%)	Cpy (%)	Sample Number	From	To	Length	Au g/t	
		yellowish/ olive grey altered mudstone which is locally slumped and broken up.										
		246.75- 251.90 : S1/ BX/ FAZ- combination of moderate fracturing and local cataclastic and crushed zones within a moderately sericitized conglomeratic zone beginning on a crushed zone @ 40 DTCA. The local internal structural features and minor FAZ's trend roughly @ 35/ 50 DTCA. The zone ends on a 12cm cataclastic and shear FAZ @ 55 DTCA.										
		261.55- 270.50 : S1/ S3- The hole ends with a gritty to pebbly wacke. Clasts are polymict and range up to 6cm in size although most are less then 2cm. MS values undulate gently in a low range of 0.22- 0.44, the matrix remains ankeritic, veining consists of 4% gashy ankerite veinlets and stringers, and sulphides are trace.										
270.50		**EOH**										
		The hole was stopped and recollared due to extensive wander in the azimuth.										

569500E

570000E

570500E

5332500N

5332000N

5331500N

5331000N

Macassa #1

MAIN BREAK

-900 METRE LEVEL

LAKE KIRKLAND

HWY. 66

Town of
Chaput Hughes

Lac Minerals Ltd.
Macassa Div.
-900m Level

#225112

Kirkland
Kalgoorlie

BREAK

KIRKLAND

AMALGAMATED

Chaput Hughes Bypass

Industrial
Plaza

L-5686

Canadian
Kirkland
250' Level
400' Level

CREEK

MORGAN

BL 10,000 N

BMCI BASELINE
AZ. 072%%D

Highland
Kirkland

MORGAN PROPERTY

LEGEND

AK07_01 PLANNED

AK07_01C

NAD 83

0 100 200 300 400

METERS

QUEENSTON MINING INC.

AMALGAMATED KIRKLAND PROJECT
Larder Lake Mining District
2008 DRILL PLAN
CLM 328, #106667

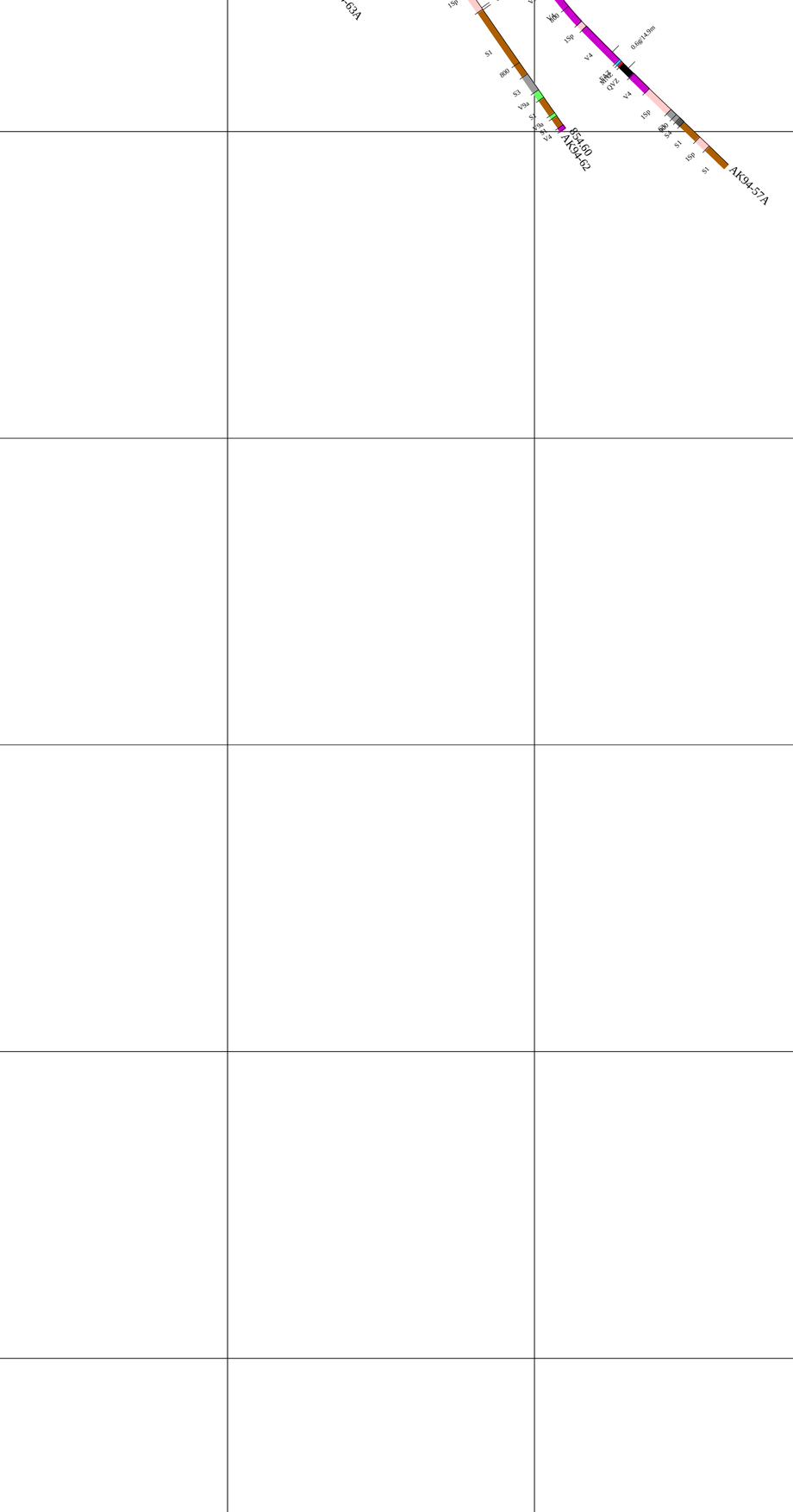
DATE: AUG 2009	TECK TWP.	SCALE 1 : 2500

569500E
570000E
570500E
5332500N
5332000N
5331500N
5331000N
HWY. 66
HWY. 66
BREAK
MAIN
-900 METRE LEVEL
LAKE
KIRKLAND
Macassa #1
Town of
Chaput Hughes
#225112
Lac Minerals Ltd.
Macassa Div.
-900m Level
BREAK
KIRKLAND
AMALGAMATED
Chaput Hughes Bypass
Industrial
Plaza
Kirkland
Kalgoorlie
Canadian
Kirkland
400' Level
250' Level
L-5686
CREEK
MORGAN
BMCI BASELINE
AZ. 072°/90D
BL 10,000 N
Highland
Kirkland
MORGAN PROPERTY
LEGEND
DDH
NAD 83
0
100
200
300
400
METERS
QUEENSTON MINING INC.
AMALGAMATED KIRKLAND PROJECT
Larder Lake Mining District
2008 AND HISTORICAL DRILL PLAN
CLM 328, #106667
DATE: AUG 2009
TECK TWP.
SCALE 1 : 5000

9400 N
9600 N
9800 N
10000 N
10200 N
10400 N
10600 N
10800 N

100m elev
161
0m elev
-100m elev
-300m elev
-500m elev
-700m elev
-900m elev
-1100m elev
-1300m elev
-1500m elev
-1700m elev
-1900m elev
-2100m elev

100m elev
341
#225112
0m elev
-100m elev
-300m elev
-500m elev
-700m elev
-900m elev
-1100m elev
-1300m elev
-1500m elev
-1700m elev
-1900m elev
-2100m elev



HISTOGRAMS
- Au - 10m = 1g/t Au

ALTERATION / VEINING
- BX - BRECCIA
- CARB - CARBONATED ZONE
- DZ - DEFORMATION ZONE
- FAZ - FAULT ZONE
- GCZ - GREEN CARBONATED
- LLB - LARDER LAKE BREAK
- MNZ - MINERALIZED ZONE
- PYSZ - PYRITIC SILICIFIED
- QCVZ - QTZ-CARBONATE VEIN
- QVZ - QUARTZ VEIN ZONE
- SHZ - SHEAR ZONE

OTHER
- CAS - Casing
- CTZ - CONTACT ZONE
- BBC - BROKEN BLOCKY CORE
- SDZ - START DEFORMATION ZONE

VOLCANICS
- V4 - TRACHYTE
- 4T - TRACHYTE TUFF
- V7 - BASALT
- V9 - TUFF
- V9L - LAPILLI TUFF
- V10 - AGGLOMERATE
- V13 - ULTRAMAFIC FLOW

INTRUSIVES
- 1F - FELSITE
- 1G - GRANITE
- 1P - APLITE
- 1S - SYENITE
- 1SMa - MAFIC SYENITE
- 1Sp - PORPHYRITIC SYENITE
- 1Sa - ALTERED SYENITE
- 3D - DIABASE
- FD - FELSIC DYKE
- MI - MAFIC INTRUSIVE

SEDIMENTS
- F2 - SULPHIDE IRON FORMATION
- GS - GRAPHITIC SEDIMENTS
- S1 - CONGLOMERATE
- S3 - GREYWACKE
- S3AP - ALT.GYW. w FLDS. PORPH.
- S3C - CHLORITIC GREYWACKE
- S3P - GREYWACKE w FLDS. PORPH.
- S4 - ARGILLITE/MUDSTONE
- S6 - SILTSTONE
- S7 - MUDSTONE

0 20 40 60 80 100
meters

QUEENSTON MINING INC.
AMALGAMATED KIRKLAND PROJECT
50m SECTION 7700E LOOKING 251°
LITHOLOGY with GOLD COMPOSITES

1 : 2500	TECK TWP	AUG 2009


100m elev
0m elev
-100m elev
-300m elev
-500m elev
-700m elev
-900m elev
-1100m elev
-1300m elev
-1500m elev
-1700m elev
-1900m elev
-2100m elev
9400 N
9600 N
9800 N
10000 N
10200 N
10400 N
10600 N
10800 N
11000 N
11200 N
161
341
#225112
AK94-62
AK05_13
AK05_11
AK05_12
AK05_08
AK92-41
836.98
AK94-57B
2.2g/1m
3.2g/0.83m
0.7g/2.25m
0.36g/1m
12.0g/1.0m
916.00
AK08_2W3
AK08_2W4
AK08_2W2
AK08_02
2027.40
AK08_2W1
HISTOGRAMS
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SHZ - SHEAR ZONE
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CAS - Casing
CTZ - CONTACT ZONE
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SDZ - START DEFORMATION ZONE
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S3P - GREYWACKE w FLDS. PORPH.
S4 - ARGILLITE/MUDSTONE
S6 - SILTSTONE
S7 - MUDSTONE
0 20 40 60 80 100
meters
QUEENSTON MINING INC.
AMALGAMATED KIRKLAND PROJECT
50m SECTION 7650E LOOKING 251°
LITHOLOGY with GOLD COMPOSITES
1 : 2500
TECK TWP
AUG 2009

100m elev
0m elev
-100m elev
-300m elev
-500m elev
-700m elev
-900m elev
-1100m elev
-1300m elev
-1500m elev
-1700m elev
-1900m elev
-2100m elev
9400 N
9600 N
9800 N
10000 N
10200 N
10400 N
10600 N
10800 N
11000 N
11200 N
#225112
161
341
AK03-02
215.00
AK94-63A
AK94-63
AK94-57
AK94-57A
AK94-57B
AK92-41
AK91-36
132.80
AK08_02
AK08_2W1
AK08_2W2
AK08_2W3
AK08_2W4
AK08_01D
AK07_01C
AK07_01
270.60
AK95-35A
AK91-35
365.50
483.40
AK94-62
AK05_13
850.00
AK05_12
AK05_11
AK05_08
0.95g/2.75m
3.11g/3.45m
0.13g/3m
1.6g/1.0m
2.1g/7.3m
1902.00
1941.00
HISTOGRAMS
Au - 10m = 1g/t Au
ALTERATION / VEINING
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QVZ - QUARTZ VEIN ZONE
SHZ - SHEAR ZONE
OTHER
CAS - Casing
CTZ - CONTACT ZONE
BBC - BROKEN BLOCKY CORE
SDZ - START DEFORMATION ZONE
VOLCANICS
V4 - TRACHYTE
4T - TRACHYTE TUFF
V7 - BASALT
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V9L - LAPILLI TUFF
V10 - AGGLOMERATE
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INTRUSIVES
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1SMa - MAFIC SYENITE
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1Sa - ALTERED SYENITE
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MI - MAFIC INTRUSIVE
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S3P - GREYWACKE w FLDS. PORPH.
S4 - ARGILLITE/MUDSTONE
S6 - SILTSTONE
S7 - MUDSTONE
0 20 40 60 80 100
meters
QUEENSTON MINING INC.
AMALGAMATED KIRKLAND PROJECT
50m SECTION 7600E LOOKING 251
LITHOLOGY with GOLD COMPOSITES
1 : 2500
TECK TWP
AUG 2009


161
341
100m elev
0m elev
-100m elev
-300m elev
-500m elev
-700m elev
-900m elev
-1100m elev
-1300m elev
-1500m elev
-1700m elev
-1900m elev
-2100m elev
9400 N
9600 N
9800 N
10000 N
10200 N
10400 N
10600 N
10800 N
11000 N
11200 N
#225112
#225112
#225112
#225112
AK94-62
AK05_12
AK05_11
AK05_08
0.51g/0.4m
1.03g/4.15m
0.32g/3.25m
0.56g/3.6m
AK08_01D
AK07_01C
0.9g/1.0m
AK08_2W3
1935.00
0
20
40
60
80
100
meters
HISTOGRAMS
Au - 10m = 1g/t Au
ALTERATION / VEINING
BX - BRECCIA
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QVZ - QUARTZ VEIN ZONE
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MI - MAFIC INTRUSIVE
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GS - GRAPHITIC SEDIMENTS
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S3AP - ALT.GYW. w FLDS. PORPH.
S3C - CHLORITIC GREYWACKE
S3P - GREYWACKE w FLDS. PORPH.
S4 - ARGILLITE/MUDSTONE
S6 - SILTSTONE
S7 - MUDSTONE

QUEENSTON MINING INC.
AMALGAMATED KIRKLAND PROJECT
50m SECTION 7550E LOOKING 251°
LITHOLOGY with GOLD COMPOSITES

1 : 2500	TECK TWP	AUG 2009

9400 N

9600 N

9800 N

10000 N

10200 N

10400 N

10600 N

10800 N

100m elev

161

341

0m elev

-100m elev

-300m elev

-500m elev

-700m elev

-900m elev

-1100m elev

-1300m elev

-1500m elev

-1700m elev

-1900m elev

-2100m elev

#225112

AK94-62

AK05_10

AK91-37

AK05_12

AK05_11

AK91-35

AK05_08

AK08_01D

AK07_01C

0 20 40 60 80 100

meters

HISTOGRAMS

Au - 10m = 1g/t Au

ALTERATION / VEINING

BX - BRECCIA

CARB - CARBONATED ZONE

DZ - DEFORMATION ZONE

FAZ - FAULT ZONE

GCZ - GREEN CARBONATED

LLB - LARDER LAKE BREAK

MNZ - MINERALIZED ZONE

PYSZ - PYRITIC SILICIFIED

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OTHER

CAS - Casing

CTZ - CONTACT ZONE

BBC - BROKEN BLOCKY CORE

SDZ - START DEFORMATION ZONE

VOLCANICS

V4 - TRACHYTE

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V9 - TUFF

V9L - LAPILLI TUFF

V10 - AGGLOMERATE

V13 - ULTRAMAFIC FLOW

INTRUSIVES

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3D - DIABASE

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MI - MAFIC INTRUSIVE

SEDIMENTS

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S3AP - ALT.GYW. w FLDS. PORPH.

S3C - CHLORITIC GREYWACKE

S3P - GREYWACKE w FLDS. PORPH.

S4 - ARGILLITE/MUDSTONE

S6 - SILTSTONE

S7 - MUDSTONE

QUEENSTON MINING INC.
AMALGAMATED KIRKLAND PROJECT
50m SECTION 7500E LOOKING 251°
LITHOLOGY with GOLD COMPOSITES

1 : 2500	TECK TWP	AUG 2009

9400 N

9600 N

9800 N

10000 N

10200 N

10400 N

10600 N

10800 N

#225112

100m elev

161

0m elev

-100m elev

341

-300m elev

-500m elev

-700m elev

-900m elev

-1100m elev

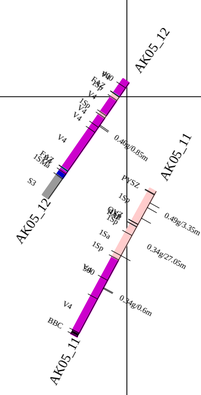
-1300m elev

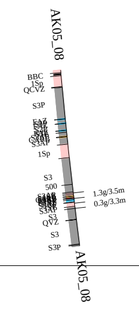
-1500m elev

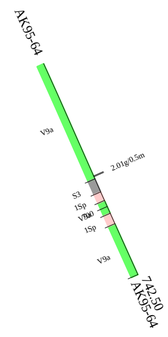
-1700m elev

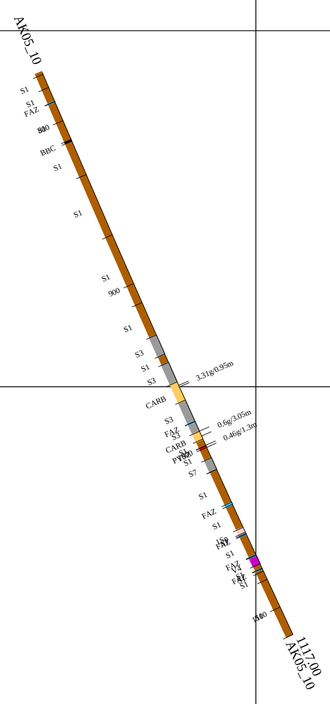
-1900m elev

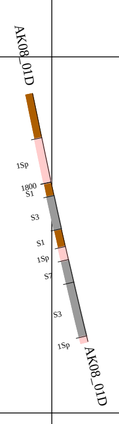
-2100m elev











HISTOGRAMS

Au - 10m = 1g/t Au

ALTERATION / VEINING

BX - BRECCIA

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DZ - DEFORMATION ZONE

FAZ - FAULT ZONE

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S3P - GREYWACKE w FLDS. PORPH.

S4 - ARGILLITE/MUDSTONE

S6 - SILTSTONE

S7 - MUDSTONE

0 20 40 60 80 100

meters

QUEENSTON MINING INC.
AMALGAMATED KIRKLAND PROJECT
50m SECTION 7450E LOOKING 251°
LITHOLOGY with GOLD COMPOSITES

1 : 2500	TECK TWP	AUG 2009

9400 N
9600 N
9800 N
10000 N
10200 N
10400 N
10600 N
10800 N
100m elev
0m elev
-100m elev
-300m elev
-500m elev
-700m elev
-900m elev
-1100m elev
-1300m elev
-1500m elev
-1700m elev
-1900m elev
-2100m elev
161
341
#225112
AK03-06
AK03-01
AK03-04
AK95-64
AK05_12
AK05_11
AK05_08
AK08_01D
263.00
AK03-01
235.00
AK03-06
739.70
AK03-04
643.35
AK05_08
0.56g/7.32m
0.23g/1.74m
3.41g/3.41m
1.69g/1.82m
0.71g/2.24m
1.75g/1.74m
3.99g/1.15m
1.01g/7.49m
0.37g/1.15m
0.39g/1.45m
0.99g/1m
1.79g/1m
0.3g/1.4m
HISTOGRAMS
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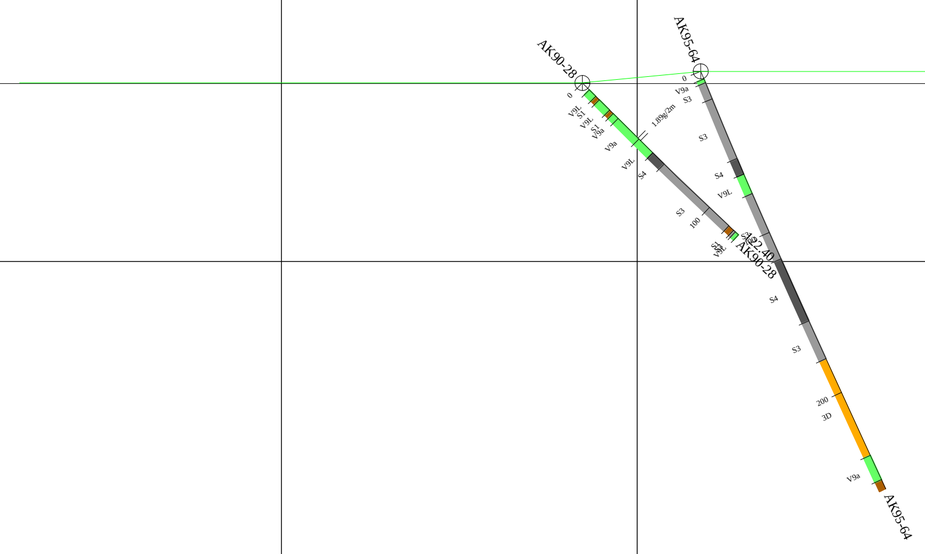
S4 - ARGILLITE/MUDSTONE
S6 - SILTSTONE
S7 - MUDSTONE
0 20 40 60 80 100
meters
QUEENSTON MINING INC.
AMALGAMATED KIRKLAND PROJECT
50m SECTION 7400E LOOKING 251°
LITHOLOGY with GOLD COMPOSITES
1 : 2500
TECK TWP
AUG 2009
#225112

9400 N
9600 N
9800 N
10000 N
10200 N
10400 N
10600 N
10800 N

100m elev
161
0m elev
-100m elev
-300m elev
-500m elev
-700m elev
-900m elev
-1100m elev
-1300m elev
-1500m elev
-1700m elev
-1900m elev
-2100m elev

L5686



100m elev
341
0m elev
-100m elev
-300m elev
-500m elev
-700m elev
-900m elev
-1100m elev
-1300m elev
-1500m elev
-1700m elev
-1900m elev
-2100m elev

L5686

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- GS - GRAPHITIC SEDIMENTS
- S1 - CONGLOMERATE
- S3 - GREYWACKE
- S3AP - ALT.GYW. w FLDS. PORPH.
- S3C - CHLORITIC GREYWACKE
- S3P - GREYWACKE w FLDS. PORPH.
- S4 - ARGILLITE/MUDSTONE
- S6 - SILTSTONE
- S7 - MUDSTONE

0 20 40 60 80 100
meters

QUEENSTON MINING INC.
AMALGAMATED KIRKLAND PROJECT
50m SECTION 7350E LOOKING 251°
LITHOLOGY with GOLD COMPOSITES

1 : 2500	TECK TWP	AUG 2009

9400 N

100m elev

161

0m elev

-100m elev

-300m elev

-500m elev

-700m elev

-900m elev

-1100m elev

-1300m elev

-1500m elev

-1700m elev

-1900m elev

9600 N

9800 N

10000 N

10200 N

L5686

AK05_11

AK05_11
749.00

AK08_01D

2500

2302.00
AK08_01D

10400 N

10600 N

100m elev

341

0m elev

-100m elev

-300m elev

-500m elev

-700m elev

-900m elev

-1100m elev

-1300m elev

-1500m elev

-1700m elev

-1900m elev

-2100m elev

10800 N

L5686

L5686

HISTOGRAMS

Au - 10m = 1g/t Au

ALTERATION / VEINING

BX - BRECCIA

CARB - CARBONATED ZONE

DZ - DEFORMATION ZONE

FAZ - FAULT ZONE

GCZ - GREEN CARBONATED

LLB - LARDER LAKE BREAK

MNZ - MINERALIZED ZONE

PYSZ - PYRITIC SILICIFIED

QCVZ - QTZ-CARBONATE VEIN

QVZ - QUARTZ VEIN ZONE

SHZ - SHEAR ZONE

OTHER

CAS - Casing

CTZ - CONTACT ZONE

BBC - BROKEN BLOCKY CORE

SDZ - START DEFORMATION ZONE

VOLCANICS

V4 - TRACHYTE

4T - TRACHYTE TUFF

V7 - BASALT

V9 - TUFF

V9L - LAPILLI TUFF

V10 - AGGLOMERATE

V13 - ULTRAMAFIC FLOW

INTRUSIVES

1F - FELSITE

1G - GRANITE

1P - APLITE

1S - SYENITE

1SMa - MAFIC SYENITE

1Sp - PORPHYRITIC SYENITE

1Sa - ALTERED SYENITE

3D - DIABASE

FD - FELSIC DYKE

MI - MAFIC INTRUSIVE

SEDIMENTS

F2 - SULPHIDE IRON FORMATION

GS - GRAPHITIC SEDIMENTS

S1 - CONGLOMERATE

S3 - GREYWACKE

S3AP - ALT.GYW. w FLDS. PORPH.

S3C - CHLORITIC GREYWACKE

S3P - GREYWACKE w FLDS. PORPH.

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1 : 2500	TECK TWP	AUG 2009