ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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ASSESSMENT REPORT

describing

GEOPHYSICS, DIAMOND DRILLING AND PROSPECTING

at the

IGOR PROPERTY

Igor 1-2	YC38951-YC38952
5-8	Y96128-Y96131
9-16	YC38955-YC38962
17-18	YC39556-YC39557
19-22	YC39570-YC39573
23F	YC39679
24F	YC39900
Boris 1-32	YC39680-YC39711
33-94	YC39901-YC39962

NTS 106E/02
Latitude 65°02'N; Longitude 134°38'W

in the

Mayo Mining District
Yukon Territory

prepared for

CASH MINERALS LTD.
and
TWENTY-SEVEN CAPITAL CORP.

by

Matthew R. Dumala, B.A.Sc., EIT
April 2007

TABLE OF CONTENTS

	PAGE
INTRODUCTION	1
LOCATION, CLAIM STATUS AND ACCESS	1
HISTORY	2
PHYSIOGRAPHY AND GEOMORPHOLOGY	3
REGIONAL GEOLOGY	3
REGIONAL MINERALIZATION	5
PROPERTY GEOLOGY	5
PROPERTY MINERALIZATION AND GEOCHEMISTRY	7
GEOPHYSICS	8
2006 DIAMOND DRILLING	9
DISCUSSION AND CONCLUSIONS	12
REFERENCES	13

APPENDICES

I STATEMENT OF QUALIFICATIONS

II PETROGRAPHIC REPORT

III ROCK SAMPLE DESCRIPTIONS

IV GEOPHYSICAL REPORTS

V GEOLOGICAL AND GEOTECHNICAL DRILL LOGS

VI CERTIFICATES OF ANALYSIS

FIGURES

Number		Following Page
1.	Property Location	1
2.	Claim Location	1
3.	Tectonic Setting	3
4.	Regional Geology	3
5.	Geology	In pocket
6.	Airborne Magnetics (FVD)	8
7.	Ground Magnetics	9
8.	Ground Gravity	9
9.	Drill Hole Locations	9

TABLES

I	Regional Lithological Descriptions	4
II	Drill Hole Data	9
III	Significant Diamond Drill Hole Intervals	11

INTRODUCTION

The Igor property hosts iron oxide-copper-gold (IOCG) mineralization. Twenty-Seven Capital Corp. purchased the property in December 2004 and staked additional claims in fall 2005. It and 18 other properties in the Wernecke Mountains owned by Twenty-Seven are under option to Cash Minerals Ltd. as part of the Yukon Uranium Project.

Exploration work in 2006 on the Igor property was conducted between June 15 and October 22. A total of 3009.99 m of diamond drilling was completed in 23 holes. This work was done from a camp located on the property until September 24 when the camp was moved to the Steel property, located 28 km southeast of the property. All work was done with helicopter support. The author supervised the work and his Statement of Qualifications appears in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

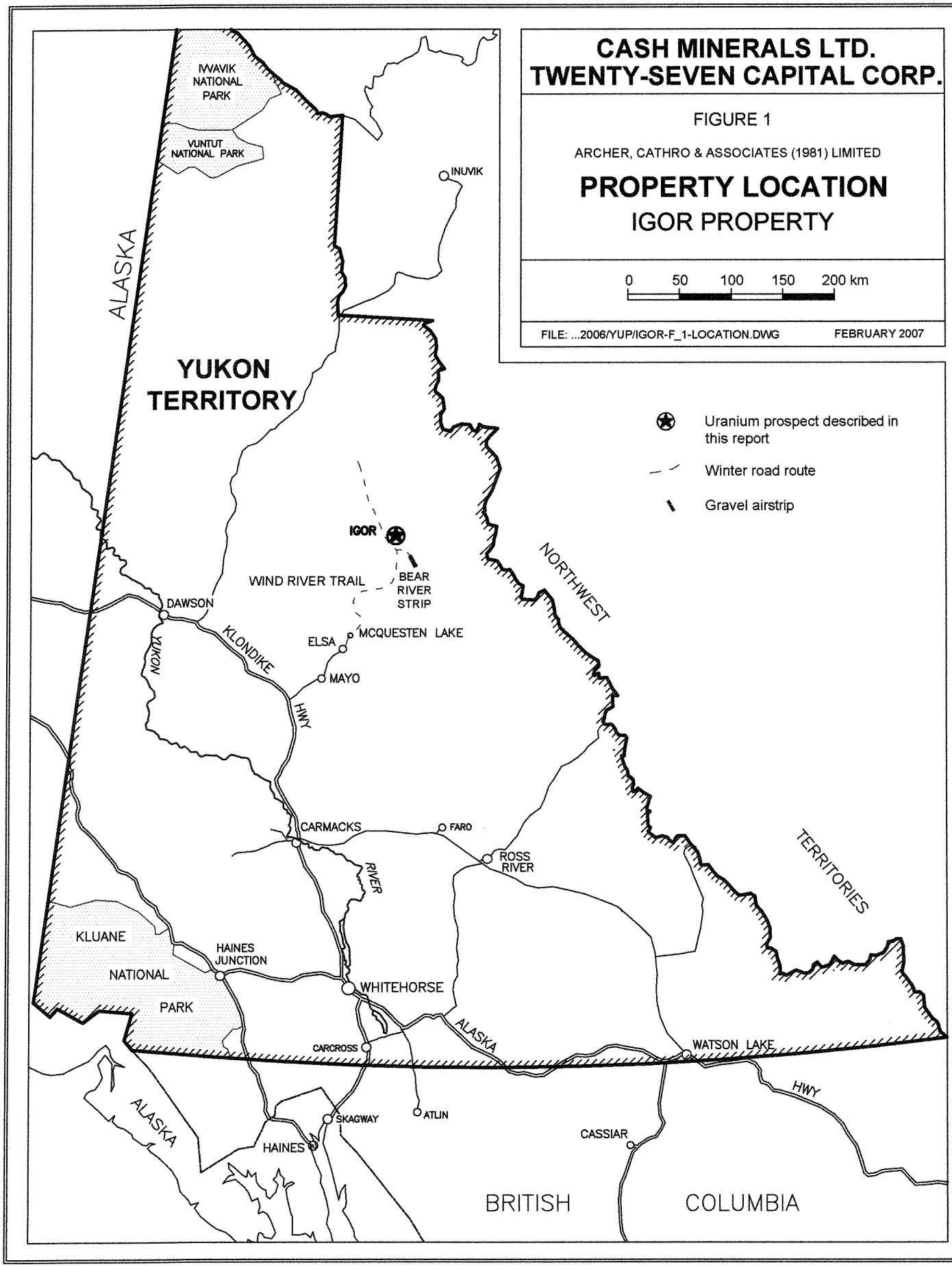
The property is located in east-central Yukon Territory at latitude 65°02'N and longitude 134°38'W on NTS map sheet 106E/02 (Figure 1). It comprises a total of 116 mineral claims covering approximately 2320 hectares. The claims were staked under the Yukon Quartz Mining Act and are registered with the Mayo Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for Twenty-Seven. Claim registration data are summarized below while the locations of individual claims are shown on Figure 2.

Claim Name	Grant Number	Expiry Date*
Igor 1-2	YC38951-YC38952	April 20, 2014
5-8	Y96128-Y96131	April 20, 2015
9-16	YC38955-YC38962	April 20, 2014
17-18	YC39556-YC39557	April 20, 2015
19-22	YC39570-YC39573	April 20, 2015
23F	YC39679	April 20, 2015
24F	YC39900	April 20, 2015
Boris 1-32	YC39680-YC39711	April 20, 2011
33-94	YC39901-YC39962	April 20, 2011

*expiry dates include 2006 work which has been filed for assessment credit but not yet accepted.

The Igor property is located 170 km northeast of the village of Mayo, which is accessible via the Yukon highway system using the Klondike Highway and Silver Trail. Mayo is situated 407 km by road north of Whitehorse. The closest road access to the property is at McQuesten Lake which lies 87 km by road northeast of Mayo and 110 km southwest of Igor. From McQuesten Lake, an abandoned winter road extends northward to the Peel Basin. This winter road, the Wind River Trail, passes within 10 km of the property. A cat trail branches off the winter road and leads to the Bear River airstrip, a gravel airstrip about 30 km southeast of the property.

Access to the property and routine logistical support in 2006 was accomplished using a Hughes 500D helicopter based out of the Igor, Steel and Lumina camps and operated by Fireweed Helicopters Ltd. of Whitehorse. Most fuel and supplies were flown from Mayo to Bear River


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FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
IGOR PROPERTY
0 50 100 150 200 km
FILE: ...2006/YUP/IGOR-F_1-LOCATION.DWG
FEBRUARY 2007
IVVAVIK NATIONAL PARK
VUNTUT NATIONAL PARK
INUVIK
ALASKA
YUKON TERRITORY
Uranium prospect described in this report
Winter road route
Gravel airstrip
IGOR
WIND RIVER TRAIL
BEAR RIVER STRIP
NORTHWEST
DAWSON
YUKON
KLONDIKE
ELSA
MCQUESTEN LAKE
MAYO
HWY
CARMACKS
FARO
ROSS RIVER
RIVER
TERRITORIES
KLUANE
NATIONAL
PARK
HAINES JUNCTION
WHITEHORSE
ALASKA
CARCROSS
WATSON LAKE
HWY
ALASKA
SKAGWAY
ATLIN
CASSIAR
HAINES
BRITISH
COLUMBIA

515 000 mE
516 000 mE
517 000 mE
518 000 mE
519 000 mE

7 216 000 mN
7 215 000 mN
7 214 000 mN
7 213 000 mN
7 212 000 mN
7 211 000 mN
7 210 000 mN

T.N.
14°
26°10'
Grid north
Magnetic north
Annual change decreasing 29'

BORIS 93 YC39961
BORIS 94 YC39962
BORIS 68 YC39936
BORIS 66 YC39934
BORIS 64 YC39932
BORIS 62 YC39930
BORIS 60 YC39928
BORIS 58 YC39926
BORIS 91 YC39959
BORIS 92 YC39960
BORIS 67 YC39935
BORIS 65 YC39933
BORIS 63 YC39931
BORIS 61 YC39929
BORIS 59 YC39927
BORIS 57 YC39925
BORIS 89 YC39957
BORIS 90 YC39958
BORIS 32 YC39711
BORIS 30 YC39709
BORIS 28 YC39707
BORIS 26 YC39705
BORIS 24 YC39703
BORIS 22 YC39701
BORIS 31 YC39710
BORIS 29 YC39708
BORIS 27 YC39706
BORIS 25 YC39704
BORIS 23 YC39702
BORIS 21 YC39700
BORIS 87 YC39955
BORIS 88 YC39956
IGOR 2 YC38952
IGOR 1 YC38951
IGOR 21 YC39572
IGOR 22 YC39573
BORIS 7 YC39686
BORIS 8 YC39687
IGOR 10 YC38956
IGOR 9 YC38955
BORIS 85 YC39953
BORIS 86 YC39954
IGOR 20 YC39571
IGOR 17 YC39556
IGOR 18 YC39557
BORIS 5 YC39684
BORIS 6 YC39685
IGOR 12 YC38958
IGOR 11 YC38957
IGOR 23 YC39679
BORIS 83 YC39951
BORIS 84 YC39952
IGOR 19 YC39570
IGOR 5 Y 96128
IGOR 6 Y 96129
BORIS 3 YC39682
BORIS 4 YC39683
IGOR 14 YC38960
IGOR 13 YC38959
BORIS 81 YC39949
BORIS 82 YC39950
IGOR 24 YC39900
IGOR 7 Y 96130
IGOR 8 Y 96131
BORIS 1 YC39680
BORIS 2 YC39681
IGOR 16 YC38962
IGOR 15 YC38961
BORIS 79 YC39947
BORIS 80 YC39948
BORIS 20 YC39699
BORIS 18 YC39697
BORIS 16 YC39695
BORIS 14 YC39693
BORIS 12 YC39691
BORIS 10 YC39689
BORIS 77 YC39945
BORIS 78 YC39946
BORIS 19 YC39698
BORIS 17 YC39696
BORIS 15 YC39694
BORIS 13 YC39692
BORIS 11 YC39690
BORIS 9 YC39688
BORIS 75 YC39943
BORIS 76 YC39944
BORIS 44 YC39912
BORIS 42 YC39910
BORIS 40 YC39908
BORIS 38 YC39906
BORIS 36 YC39904
BORIS 34 YC39902
BORIS 73 YC39941
BORIS 74 YC39942
BORIS 43 YC39911
BORIS 41 YC39909
BORIS 39 YC39907
BORIS 37 YC39905
BORIS 35 YC39903
BORIS 33 YC39901
BORIS 71 YC39939
BORIS 72 YC39940
BORIS 56 YC39924
BORIS 54 YC39922
BORIS 52 YC39920
BORIS 50 YC39918
BORIS 48 YC39916
BORIS 46 YC39914
BORIS 69 YC39937
BORIS 70 YC39938
BORIS 55 YC39923
BORIS 53 YC39921
BORIS 51 YC39919
BORIS 49 YC39917
BORIS 47 YC39915
BORIS 45 YC39913

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FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATION
IGOR PROPERTY

0 0.5 1 1.5 km

UTM ZONE 8W, NAD 83, 106E02

FILE: ...2006/YUP/IGOR/F_2-CLAIMS.WOR | DATE: FEBRUARY 2007

Airstrip using a Britten-Norman Islander and Cessna Caravan operated by Sifton Air of Haines Junction and Alkan Air Ltd. of Whitehorse, respectively. Some material was also flown from Mayo to a staging area at Quartet Lakes, which are located 13 km northeast of the property. The flights utilized a float equipped turbo Otter operated by Black Sheep Aviation of Whitehorse.

HISTORY

Regional

The first report of mineralization in the Wernecke Mountains was the discovery of hematite rich float in river gravels by prospectors enroute to the Klondike Goldfields in 1898. A few copper and gold prospects were identified and staked prior to the 1960s, but no serious exploration was undertaken. Following discovery of the Crest Iron Deposit by California Standard Company Ltd. in 1961, several hematite bodies were staked and briefly explored. This wave of exploration coupled with improved access spurred by construction of the Wind River Trail led to new copper discoveries in the mid 1960s, some of which were drilled or bulldozer trenched (Deklerk and Traynor, 2004).

Uranium was first discovered in the Wernecke Mountains in 1974 at the Igor property by Ogilvie Joint Venture (Chevron Canada Ltd., Marietta Resources International Ltd. and Aquitaine Company of Canada Ltd.). The following summer Wernecke Joint Venture (Chevron and Aquitaine) conducted helicopter borne radiometric reconnaissance throughout the district and staked a number of other properties based on ground radiometric follow up. Most of these occurrences are associated with large iron oxide rich breccia bodies that are informally known as the Wernecke Breccias. Eldorado Nuclear optioned Wernecke Joint Venture's properties and regional exploration rights in 1976. It conducted property and regional exploration in 1976 and 1977 along with a number of other companies, notably Noranda Minerals Ltd. and Pan Ocean Oil Ltd. Wernecke Joint Venture resumed exploration in 1978 after Eldorado Nuclear began to drop its optioned properties. Systematic uranium exploration by various parties continued in the Wernecke Mountains until 1982, when uranium prices fell (Eaton and Wober, 2005).

Another wave of regional and property exploration occurred in the mid 1990s when Westmin Resources Ltd. and Newmont Mining Corp. explored some of the Wernecke Breccias for copper and gold using the IOCG model.

Property

The Igor property was staked in 1974 by Ogilvie Joint Venture, which explored that year and in 1975 with geological mapping, grid soil geochemical surveys, chip sampling of mineralized outcrops and hand trenches, and ground and airborne radiometric surveys. That work identified several uranium and copper showings and outlined extensive soil geochemical anomalies (Archer, 1975).

The property was optioned to Eldorado Nuclear in 1976 but it did not receive significant work. In 1979 Wernecke Joint Venture performed additional prospecting and drilled five holes totalling 485.8 m (Schmidt and Archer, 1979). The following year the joint venture conducted: detailed

geological mapping; more prospecting; grid radiometric surveys; test magnetic and Max-Min surveys; hand trenching; and, 1969 m of diamond drilling in 17 holes (Archer and Eaton, 1980). Continued exploration in 1981 included extensive induced polarization, VLF and magnetic surveys plus another small Max-Min survey (Archer and Eaton, 1981 and Hendrickson, 1981). Finally, in 1982 the joint venture drilled another eight holes totalling 1043.4 m (Eaton and Archer, 1982).

The property was sold to Archer Cathro in 1992 and later that year BHP optioned and briefly examined it. In 1995 Archer Cathro sold the property to Nordac Resources Ltd. which later became Strategic Metals Ltd. Aside from minor reclamation work done in 1997, the property was dormant until Strategic staked additional claims in fall 2004. Strategic sold its interest in the property to Twenty-Seven in December 2004. In summer 2005, a total of 1120.74 m of diamond drilling was completed in seven holes at the Igor property (Dumala, 2005).

PHYSIOGRAPHY AND GEOMORPHOLOGY

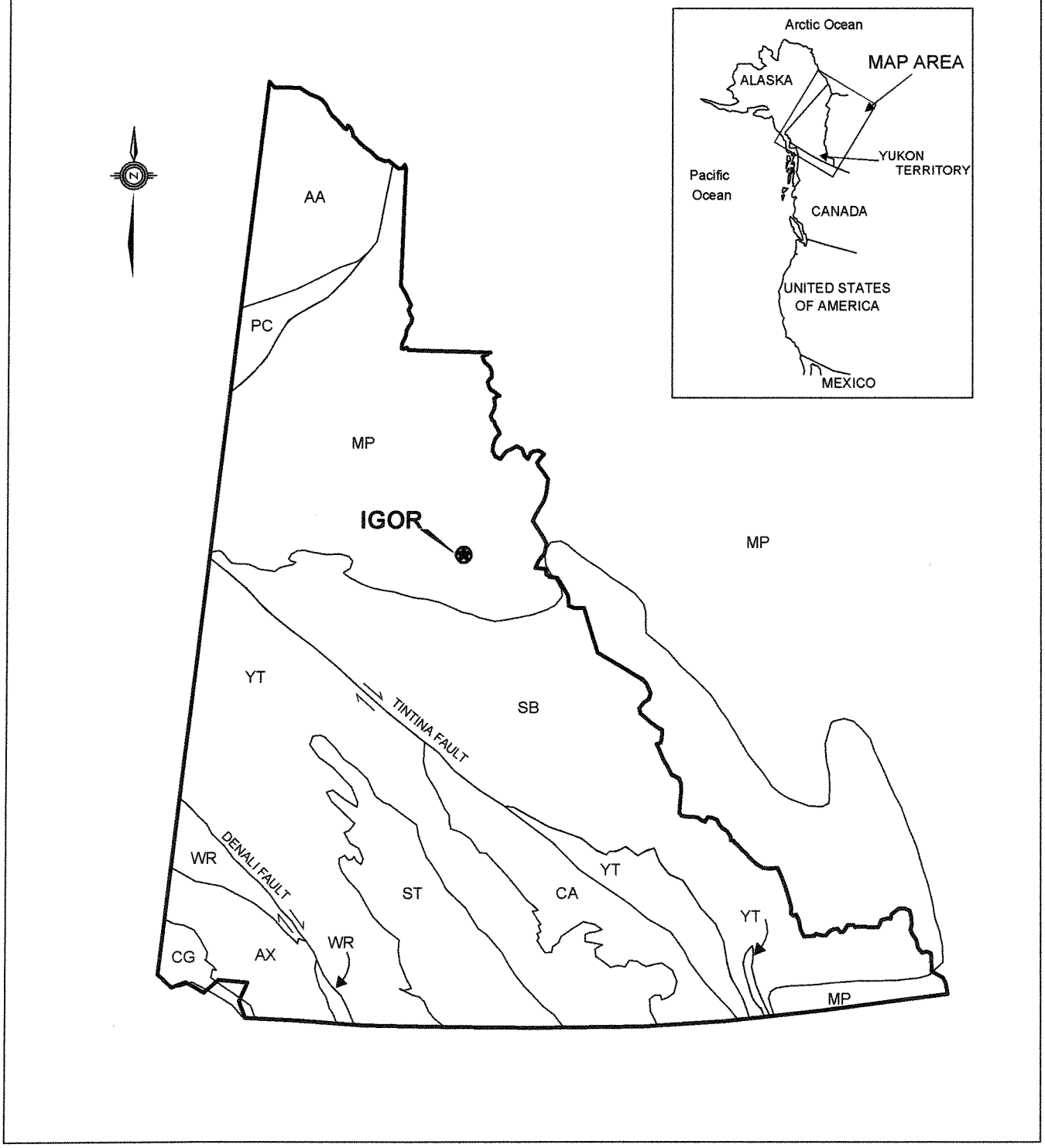
The Igor property is located within the Wernecke Mountains and is drained by tributaries of the Bonnet Plume River. The Bonnet Plume River flows into the Peel River and ultimately the Arctic Ocean via the Mackenzie River.

The property is located in an alpine setting centred on a north-south ridge flanked by north flowing streams. Elevations range from about 940 m on the valley floor at the north end of the ridge to 1980 m atop a ridge in the southwest corner of the property. The area was scoured by alpine glaciers. Most hillsides are covered by a thick layer of talus or frozen organic rich soil while creek floors are mantled with glacial and fluvial material. Outcrop is most common near the ridge crest. Slopes are typically 20 to 45°. Vegetation is sparse and hillsides exhibit only grass or moss. Scattered slide alder and buckbrush are found along the creeks. There is no commercial timber on the property. Suitable campsites are limited but there is abundant water in the creeks for diamond drilling purposes throughout the exploration season.

The climate in the Wernecke Mountains is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, cool summers. Average temperatures in January are about -25°C and in July about 10°C. Total annual precipitation is approximately 30 cm, mostly occurring as rain during the summer months. Maximum snow pack averages about 40 cm. Although summers are relatively mild, arctic cold fronts occasionally cover the area and snowfall can happen in any month. Sunlight ranges from 22 hours per day in late June to approximately six hours per day in late December. The property is relatively snow-free from late May until early October.

REGIONAL GEOLOGY

The Igor property lies within the Mackenzie Platform tectonic element inside a 2500 sq km window of Lower Proterozoic age rocks that is surrounded by Middle Proterozoic to Mesozoic sediments (Figure 3). This window is the largest in a series of similar windows that stretch westerly across central Yukon from the Northwest Territories to Alaska (Figure 4). The Lower Proterozoic rocks are predominantly fine grained clastic sedimentary rocks with lesser carbonate



ANCESTRAL NORTH AMERICA

- MP — Mackenzie Platform
- SB — Selwyn Basin

TERRANES
Displaced Continental Margin

- AA — Arctic Alaska
- CA — Cassiar
- PC — Porcupine

Pericratonic Terranes

- YT — Yukon-Tanana / Slide Mountain

ACCRETED TERRANES

- ST — Stikinia / Cache Creek
- AX — Alexander
- WR — Wrangellia
- CG — Chugach

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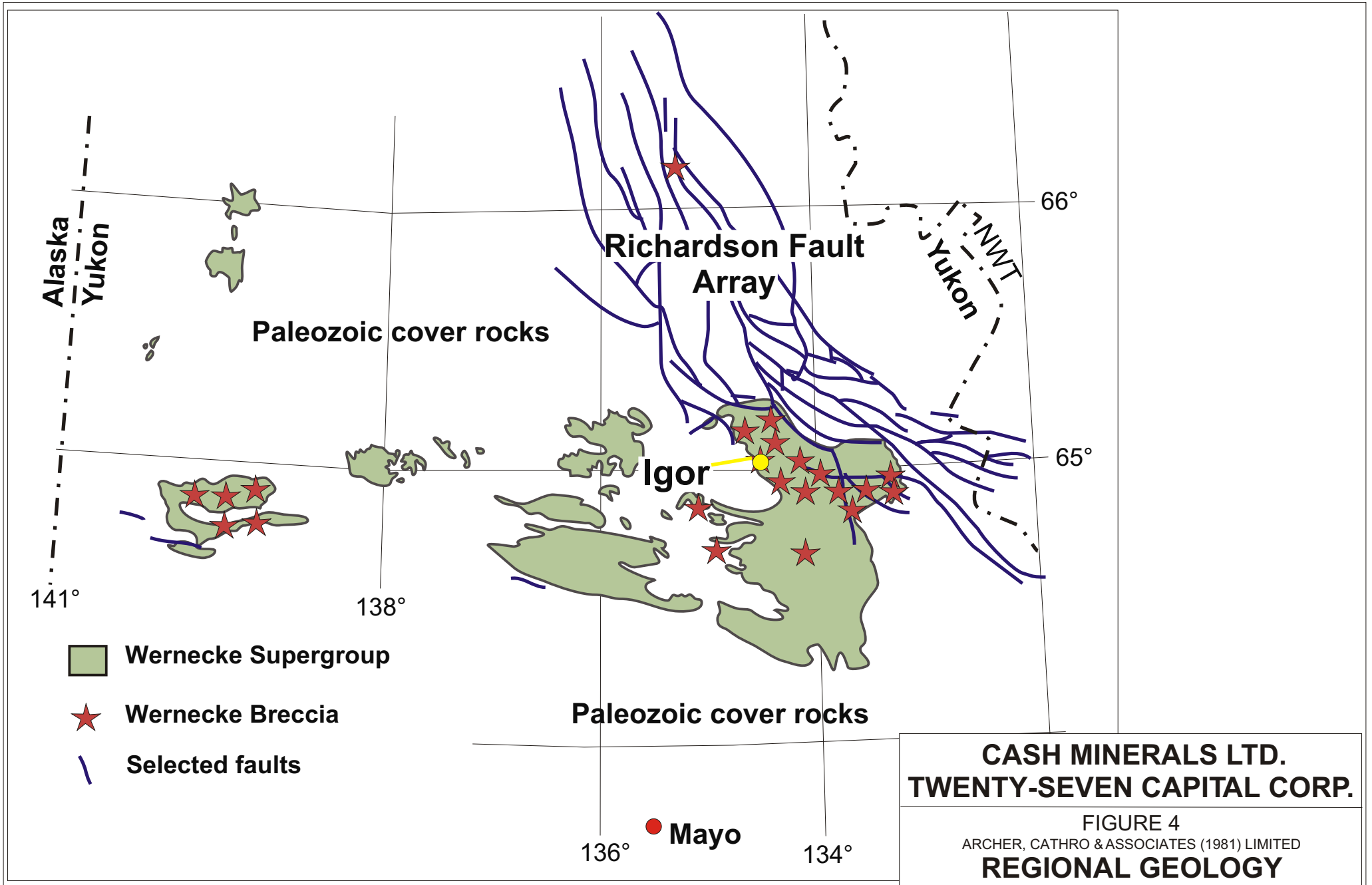
FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING
IGOR PROPERTY

0 100 200 km

FILE: ...2006/YUP/IGOR/F_3-TECTONIC.DWG | DATE: FEBRUARY 2007



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FIGURE 4

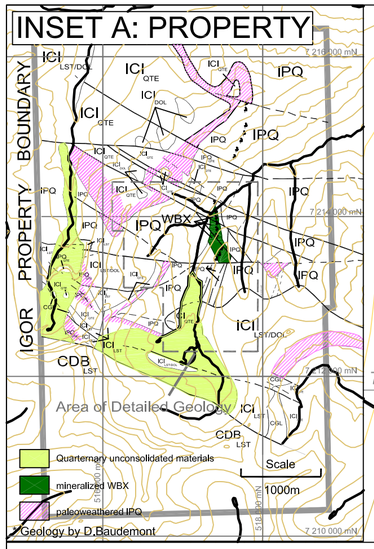
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY
IGOR PROPERTY

0 100 km

...2006/YUP/IGOR/F_4-REGIONAL.CDR FEBRUARY 2007

INSET A: PROPERTY



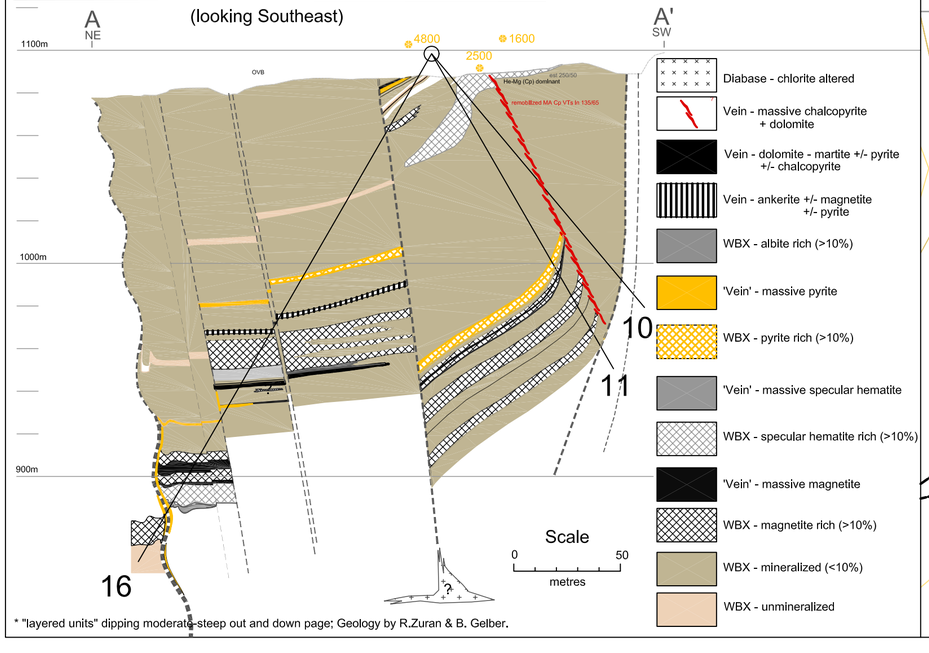
INSET B: AB Showing

(Barite-Pitchblende)

View looking NNE - down Igor Ridge

INSET C: A-A' Geology Cross-Section

(looking Southeast)



* "layered units" dipping moderate-steep out and down page; Geology by R.Zuran & B. Gelber.

SURFACE LITHOLOGY LEGEND

LOWER CAMBIAN

ILTYD FORMATION

ICI QTE — QUARTZITE

Light grey to buff weathering, medium bedded, quartz sandstone-quartzite. Local dark hematite stain along fractures; local sedimentary structures - ripple marks, bioturbated. Sub-blocky to blocky weathering outcrops.

ICI DOL — DOLOMITE

Orange-buff weathering, partly recrystallized, fine grained dolostone. Medium to thick bedded; local sandy lenses; local cross-bedding. Sub-blocky to tabular weathering outcrops.

—— no observed contact ——

unknown age

DIA — DIABASE

Not observed on surface; Core description: Moderate grey to greenish grey, fine to medium grained, hypidiomorphic granular with varying degrees of chlorite (+/-carbonate) alteration.
Interpreted and projected to surface using 2006 drill data logs.
Surface location not confirmed.

nonconformity

MIDDLE PROTEROZOIC

'WERNECKE' BRECCIA

WBX — BRECCIA

Grey weathering, generally matrix supported containing trace to less than 5% fine grained disseminated specularite. Fragmnets are sub-angular, typically range 2-20 cm in size. Clasts are composed of sedimentary (SED) siltstones, sandy siltstone, and rare silty carbonate (CAR) of the Lower Proterozoic Quartet Group.

WBX Nomenclature used: ie. W SED (Hs,Cp) 2 - ser

BRECCIA TYPE: W=Wernecke
KEY MODIFIER: listed in order of abundance
minor key modifiers <10 % - bracketed
SED=sedimentary fragments; CAR= carbonate fragments
Hs=specularite; He=hematite; Mg=magnetite; Cp=chalcopyrite, etc.
MATRIX MODIFIER: 1= 0-20% matrix; 2= 20-50% matrix; 3= >50% matrix.
ALTERATION MODIFIER: ser=sericite; car=carbonate; alb=albite; sil=silicified
poispotassic

MINERALIZED AREAS IN BRECCIA (some zones interpreted from drilling)

BARITE

Three styles are observed as veins, pods and in the breccia matrix:
1) White to off white, medium-coarse crystalline, tabular barite +/- off white dolomite +/- up to 25% coarse black euhedral (octahedral) magnetite or martite. Other accessory mineralogy may include quartz, and chalcopyrite.
2) Moderate brown to reddish-brown, medium to coarse grained crystalline barite - rare accessory pitchblende.
3) White and moderate grey, medium grained streaked-strained texture texture comprising barite and specularite.

PYRITE-Rich Zone, Outcrop

Three styles: 1) late stage, structurally controlled, massive vein-like ; 2) middle stage as a selvage to breccia bodies; 3) early stage as blobby to massive within matrix and/or clasts of breccia. Dark, locally gossanous, irregular weathering outcrops. Zone interpretive from drilling.

CHALCOPYRITE-Rich Outcrop

Three styles: 1) late stage, structurally controlled, remobilized dolomite-chalcopyrite veinlets; 2) selvages to breccia bodies; 3) blobby to massive within breccia bodies. Dark, locally malachite (rare azurite) stained, irregular weathering outcrops with semi-massive to massive chalcopyrite.

HEMATITE-Rich Zone

Dark grey, fine to medium grained (locally coarse), blotchy to massive, locally vuggy, specular hematite. Hematite observed in matrix and locally replacing sedimentary clasts. May contain varing amounts of martite, pyrite, siderite, ankerite, barite, chlorite, sericite, dolomite, chalcopyrite and rare flourite. Dark, irregular weathering outcrops.

MAGNETITE-Rich Zone

Dark grey, fine to medium grained (locally coarse), blotchy to massive magnetite. Crowded euhedral magnetite texture, locally pseudomorphed, common. Magnetite observed in matrix and locally replacing clasts. May

chlorite, ankerite, siderite and rare fluorite.

nonconformity

EARLY PROTEROZOIC - WERNECKE SUPERGROUP

QUARTET GROUP

IPQ SLT — SILTSTONE

Dark grey, fine grained, laminated to thin bedded, platey to shaly weathering siltstone.

IPQ QTE — QUARTZITE

Light grey, fine grained, medium bedded, blocky weathering quartzite. Variable local hematite staining along fractures. Sub-blocky to blocky weathering outcrops.

SYMBOLS

float
- chalcopyrite-rich (Cp)
- magnetite rich (Mg)
- radioactive (noted total counts per second)
- barite rich (Ba)
- quartz rich (Qz)

gossanous soil
silicification
limit of outcrop
structural fabric

bedding (inclined, vertical)
foliation (inclined, vertical)
fault (inclined, vertical)
joint (inclined, vertical)

SS lineation (SS=slickensides, FA= fold axis)
FA
antiform axis

structure (linear and/or fault)
structure exhibiting variable radioactivity
structure hosting chalcopyrite mineralization

geological contacts
defined
approximate
inferred

* refer to appendix for abbreviation codes
** some mineralized zone peojected to surface from 2006 drill data.

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FIGURE 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GEOLOGY
IGOR PROPERTY

0 100 400 m

UTM ZONE 8W, NAD 83, 106E/02

TN 14° MN 26°54'

GRID N

NAD 83
ZONE 8
N.T.S. 106 E/2

26°54' = magnetic declination for Aug 1, 2006.

FILE: ...2006/YUP/IGOR/F_5-GEO.DWG

DATE: FEBRUARY 2007

rich units, rare volcanic flows, scattered intrusive dykes of varying ages and widespread, discordant breccia bodies (Wernecke Breccias), which comprise about 3 to 5% of the rocks in each window (Delaney, 1981). The stratiformed rocks within this package belong to the Wernecke Supergroup, a conformable marine sequence approximately 13 km thick comprised of sediments belonging to the Fairchild Lake Group, Quartet Group and Gillespie Lake Group. Recent mapping and age determinations suggest that the Proterozoic sedimentary rocks are about 1850 to 1750 million years old and that the breccia bodies were formed about 1600 Ma (Thorkelson, et al., 2001a). These ages closely resemble those of similar units in Australia, which has led to speculation that Laurentia (proto North America) and Australia were once joined and that the breccia bodies were formed during initial rifting (Bell and Jefferson, 1987 and Thorkelson, et al., 2001a). The various intrusive dyke sets in the Wernecke Mountains have been dated at 1710, 1380, 1270 and 613 Ma (Thorkelson, et al., 2001b and Delaney, 1981).

The Wernecke Breccias have attracted considerable academic and economic interest because of their abundance, size and characteristic mineralogy, which in many respects resemble those in similar age breccia bodies found in Australia (Hitzman, et al., 1992). The breccia bodies are closely related to large scale faults. They vary from irregularly shaped pipes up to 5000 m in diameter to tabular bodies a few metres wide. Their composition typically ranges from: clast supported phases dominantly comprised of angular homolithic clasts; through matrix supported phases with subangular to rounded, variously altered clasts; and, to occasional clast deficient phases that are thought to have been channelways with high fluid flow. The breccia clasts are usually derived from adjacent sedimentary units but also include rare intrusive fragments. Up to 100 m diameter blocks of unbrecciated sediment occur in some breccia bodies. Dolomite, ankerite, sericite, hematite and chlorite are the most abundant matrix materials, but albite, calcite, magnetite, barite, quartz, pyrite and chalcopyrite are also common. The size of breccia bodies and intensity of alteration generally increases with depth.

The Wernecke Supergroup sedimentary rocks typically exhibit greenschist facies regional metamorphism and were affected by the Racklan, Corn Creek and Laramide Orogenies. Several generations of faults are present, many of which are associated with a very old set of westerly, northwesterly and northerly trending structures called the Richardson Fault Array (Delaney, 1981). Some researchers have suggested that faults played important roles in breccia formation (Delaney, 1981 and Bell, 1986). However, many of the structures are clearly much younger or reactivated later because they juxtapose Proterozoic and Paleozoic units.

Table I briefly describes the major lithological units in vicinity of the property.

Table I - Regional Lithological Descriptions

Age	Description
Quaternary	Alluvium, colluvium and glacial deposits.
Cretaceous	Continental clastic sediments including shale, conglomerate and coal measures.
Upper Paleozoic-Proterozoic	Marine sediments including carbonate, arenite, pebble conglomerate, siltstone and shale.

Middle Proterozoic	Wernecke Breccia – discordant hematitic breccia largely comprised of variably metasomatized country rock fragments. Contacts can be sharp or gradational. Breccias can include three gradational phases – homoclastic, heteroclastic or clast deficient. Homoclastic breccias consist of angular, lithologically similar fragments with minor carbonate- and hematitic-rich matrix. Heteroclastic breccias consist of rounded, lithologically diverse fragments supported by a more complex matrix commonly containing carbonate, hematite, magnetite, chlorite, pyrite, chalcopyrite and/or barite. Clast deficient breccias are found in late tabular zones or pipes and are comprised of typical heteroclastic matrix minerals with only a few small wallrock fragments.
Lower Proterozoic	Wernecke Supergroup – a conformable marine sequence approximately 13 km thick consisting of basal Fairchild Lake Group, middle Quartet Group and upper Gillespie Lake Group. Fairchild Lake Group is predominantly siltstone and limy siltstone with minor slate and dolostone. Quartet Group is deeper water shale, siltstone and very fine sandstone. Gillespie Lake Group is dolostone and silty dolostone with minor shale and siltstone.

REGIONAL MINERALIZATION

The Wernecke Breccias are notably enriched in iron, copper, uranium, gold, cobalt, barium and molybdenum and slightly enriched in rare earth elements. Iron oxide mineralization is ubiquitous in the Wernecke Breccias. Magnetite is most abundant in prograding alteration sequences. It normally occurs as disseminated euhedral grains but locally forms semi massive bands up to 5 m thick. Hematite is found in all breccia phases but is best developed in retrograde alteration assemblages where it appears as specular hematite and as martite replacing magnetite.

Pyrite can occur with the iron oxide minerals but becomes more abundant deeper in the system, particularly within breccia bodies cutting Fairchild Lake Group strata. Iron bearing carbonate minerals such as ferroan dolomite and siderite are also common.

Copper is present in most Wernecke Breccias. Disseminated chalcopyrite is found in breccias cutting Fairchild Lake Group rocks, where it is associated with intense albite alteration, and in those cutting Quartet Group rocks, where it is found in strongly carbonate altered zones. Semi massive chalcopyrite occurs with breccia matrix minerals in late stage channelways within some breccia bodies. Quartz-carbonate veins are reported within the Fairchild Lake Group, Quartet Group and Gillespie Lake Group. These veins often contain chalcopyrite and pyrite. Other copper minerals (chalcocite, bornite and copper carbonate minerals) have been reported in weathered rocks but no significant supergene enrichment has been identified.

Uranium occurs in three main forms in the Wernecke Mountains. Brannerite appears as scattered blebs within most Wernecke Breccias and in quartz veins and fractures peripheral to them. Although pockets of coarse crystals up to 40 cm across have been discovered, no

economically significant brannerite occurrence has been identified. Pitchblende is the main uranium mineral in the other two types of showings: (1) uraniferous carbonate-chalcopyrite-barite-magnetite assemblages within late stage channelways in Wernecke Breccias (Hitzman, 1990 and Eaton and Archer, 1982) and (2) much younger structurally controlled uraniferous veins immediately below major unconformities (Eaton and Archer, 1982).

PROPERTY GEOLOGY

The Igor property is underlain by Lower Cambrian to Lower Devonian Bouvette Assembage, Lower Cambrian Iltyd Assembage and Early Proterozoic Quartet Group, which in is part of the Wernecke Supergroup (Figure 5). The Quartet Group rocks are cut by Middle Proterozoic Wernecke Breccia.

The Bouvette Assemblage comprises light grey, medium to thick bedded, limestone (CDB), located in the southwest corner of the property. An east-southeast trending, steeply southwest dipping fault separates the Bouvette Assemblage from other lithologies to the north.

The Iltyd Assemblage comprises: light grey weathering limestone (lCI_{LST}); light grey to buff, locally bioturbated, fossiliferous and crossbedded quartzite/sandstone (lCI_{QTE}); and, buff to orange, partly recrystallized, locally cross-bedded dolostone. These lithologies cap a north-northeast trending ridge in the western half of the Igor property and the north to east trending ridge in the southeast part of the property. To the west, an angular unconformity separates the Iltyd Assemblage from underlying Quartet group rocks.

Quartet Group siltstone (lPQ_{SLT}) and quartzite (lPQ_{QTE}) are the most abundant rocks on the property. The siltstone is typically dark grey and laminated to thin bedded, while the quartzite is light grey, fine grained and medium bedded. These units are sometimes interbedded and undifferentiated (lPQ).

A 400 by 700 m body of Wernecke Breccia underlies the core of the Igor property. Five smaller breccia bodies are located immediately west of the main body. The breccia comprises Quartet Group sub-angular clasts, which range in diameter from 1 cm to several metres and average about 10 cm. Clast composition comprises predominantly altered siltstone with lesser fine grained quartzite, dolomitic siltstone, red jasperoid and rare green chert. The matrix comprises rock fragments and hydrothermal precipitates, which include fine to partly recrystallized medium grained carbonate (dolomite, ankerite, siderite) +/-sericite+/-chlorite+/-quartz+/-iron oxides (hematite, martite, magnetite) +/-barite+/-feldspar (albite, K-spar) +/-sulphides (pyrite, chalcopyrite)+/-fluorite (Zuran, 2006).

Towards the east and west, away from its core, the breccia body becomes increasingly clast supported. To the north it is bound by a northwest trending fault. Near this fault, the breccia exhibits ductile deformation textures, as observed in the 2006 drilling (249m, DDH-I-2006-16). To the south, the breccia terminates against an east trending fault.

At least two deformation phases are evident at the Igor property (Baudemont, 2006). Near the centre of the property, Quartet Group siltstones and quartzites, exhibit two tight, parallel

antiform north-northeast trending axes, which can be seen in outcrops on Igor Creek, north and south of the main breccia body. These fold axes lie outside major northwest and east trending faults which border the main breccia body to the north and south, respectively.

PROPERTY MINERALIZATION AND GEOCHEMISTRY

Most mineralization at the Igor property is confined to the breccia body and includes: pitchblende (with various secondary uranium minerals at surface), chalcopyrite, magnetite, barite, pyrite and hematite. The first five minerals are common in prograding alteration assemblages dominated by carbonate minerals. Hematite is primarily a retrograde alteration mineral. Minor brannerite is also present, occurring on fractures and in narrow quartz veins cutting sedimentary wallrocks.

Petrographic work completed in the spring 2006 on historic drill core identified a complex and multi-episodal mineralization sequence. A copy of this report can be found in Appendix II. In order of abundance, minerals found at the Igor property include: martite, magnetite, hematite, pyrite, barite, albite ('crystal mush'), chalcopyrite, malachite, azurite, pitchblende, uranium oxides, fluorite and monazite. Alteration mineralization is also complex with multi-overprinting and includes: carbonate (dolomite and/or calcite), iron carbonate (ankerite and/or siderite), chlorite, potassium feldspar, albitization (fine grained), sericite, oxidation (limonite and/or jarosite), and hornblende. Mineralization and alteration can occur within clasts, matrix, or both. Partial or full replacement of clasts with carbonate+/-iron carbonate+/-sericite+/-chlorite+/-feldspar+/-iron oxides+/-sulphides is common. Psuedomorphed magnetite by hematite and iron oxides with chalcopyrite cores are also common textures.

Hitzman (1990) believed that the main surface showings and drill intersections form a series of north trending, steeply east dipping lenses, based on relogging of drill core and re-interpretation of drill sections, while earlier workers had assumed westerly dips. These zones extend continuously for a length of about 500 m and are up to 30 m wide.

Uranium is generally associated with copper, magnetite, barite and carbonate minerals but its distribution is more localized. Specimens from lenses of barite rich material containing pitchblende, yellow to orange secondary uranium minerals and minor chalcopyrite assayed up to 3.65% U_3O_8 while talus samples of chalcopyrite rich material with sooty pitchblende returned up to 0.27% U_3O_8. Near the centre of the property, rock samples collected from the AB Showing (Figure 5) assayed 1.53% U_3O_8. The best surface uranium showings are associated with a discontinuous coarsely crystalline brown barite vein. A second radioactive anomaly (11,000 cps) is located 90 m to the south in a hematite-rich breccia zone associated with a 1 km northwest trending structure exhibiting variable radioactivity along it's length.

Diamond drilling done by Wernecke Joint Venture in 1979, 1980 and 1982 produced several mineralized intervals, the best of which averaged 4.74% copper and 0.089% U_3O_8 over 19.81 m and 6.49% copper and 0.090% U_3O_8 over 10.06 m. In 2005, seven holes totalling 1120.74 m were completed (Dumala, 2005). The best intersection came from I05-4 and yielded 0.069% U_3O_8 and 1.88% copper over 74.44 m including 0.192% U_3O_8 and 4.79% copper over 12.43 m

and 0.215% U_3O_8 and 4.79% copper over 14.54 m. Results from the 2006 drilling are described in the 2006 Diamond Drilling section.

Chalcopyrite is by far the most abundant copper mineral on the Igor property. Although it usually weathers to black limonite at surface, some malachite and azurite have been noted. A few specimens also contain chalcocite. Chalcopyrite occurs in both prograde and retrograde alteration assemblages but is most abundant in the former with carbonate, barite, magnetite and/or pyrite. Although chalcopyrite frequently occurs with pitchblende, it is also found in areas with background or only slightly elevated uranium content.

Pyrite is an accessory mineral in the prograde alteration assemblage. It usually comprises only a few percent of the rock but locally forms near massive bodies up to 10 m across and 40 m long. Cobalt values typical range between 200 to 500 ppm in pyrite rich areas and can reach 1200 ppm in nearly massive material. Microprobe studies of selected cobalt rich specimens detected 0 to 1.6% cobalt in pyrite but failed to identify cobalt in other minerals. Distribution of cobalt within pyrite grains is highly irregular.

Magnetite occurs as euhedral, occasionally skeletal, crystals 3 to 15 mm across that are often wholly or partially replaced by hematite, pyrite, chalcopyrite or chlorite. It makes up 5 to 70% of the prograde alteration zones.

Hematite replaces magnetite to form martite in some zones but more frequently occurs as platy specular hematite. It is part of most breccia matrix but is most abundant in retrograde alteration zones where it is closely associated with chlorite. The largest of the retrograde zones is about 100 m long by 75 m across.

Six rock samples were collected on the Igor property in 2006. Sample locations are shown on Figure 5. All rock analysis were done at ALS Chemex in North Vancouver using the same procedures as were used for drill core (see 2006 Diamond Drilling section). Rock sample descriptions and geological codes appear in Appendix III.

GEOPHYSICS

Airborne

Regional and detailed scale airborne magnetic surveys were conducted over the Igor property in spring 2006 by McPhar Geosurveys Ltd. of Newmarket, Ontario, using a Piper Navajo based in Mayo. Excerpts from the final report outlining the methods used in these surveys can be found in Appendix IV. Figure 6 shows the magnetic first vertical derivative from the detailed survey.

Airborne magnetics outlined a strong magntic high which underlies the 2006 drill area. This magnetic high is bound to the north and south by strong southwest trending linears as illustrated on Figure 6. A weaker north-south trending linear is present along the eastern edge of the drill area.

515 000 mE
516 000 mE
517 000 mE
518 000 mE
519 000 mE

7 216 000 mN
7 215 000 mN
7 214 000 mN
7 213 000 mN
7 212 000 mN
7 211 000 mN
7 210 000 mN

T.N.
14°
28°10'
Grid north
Magnetic north
Annual change decreasing 29'

0.597
0.110
0.045
0.030
0.025
0.020
0.015
0.010
0.005
0.000
-0.005
-0.010
-0.015
-0.020
-0.025
-0.030
-0.208
1VD
(nanoTesla/m)

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FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

AIRBORNE MAGNETICS (FVD)

IGOR PROPERTY

0 0.5 1 1.5 km

UTM ZONE 8W, NAD 83, 106E02

FILE: ...2006/YUP/IGOR/F_6-AIR MAG.WOR

DATE: FEBRUARY 2007

Ground magnetic and gravity surveys were conducted over the Igor property between July 9 and July 18 by Aurora Geosciences Ltd. of Whitehorse. Excerpts from the final report outlining the methods used in these surveys can also be found in Appendix III. Results are shown on Figures 7 and 8. Ground surveys outlined an anomalous gravity high with a coincident magnetic high, which underlie the Igor drill area.

2006 DIAMOND DRILLING

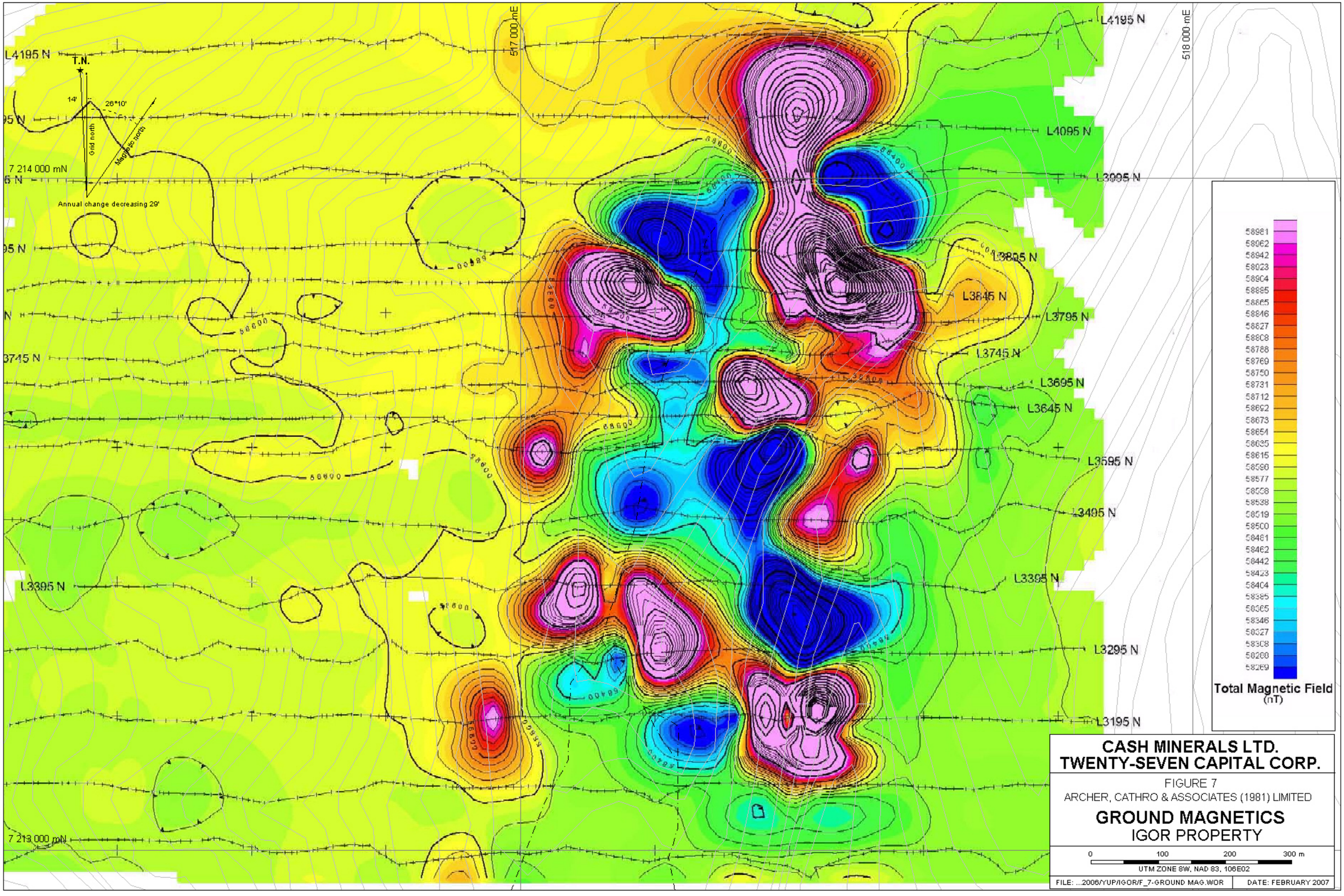
General

Drilling was done between June 20 and October 20 and was contracted to Superior Diamond Drilling Inc. of Kelowna. The work was completed with a Mandrill 1200 diesel powered drill using BTW equipment. A total of 3009.99 m was drilled in 23 holes.

The 2006 holes tested geophysical anomalies, potentially uraniferous structures and chalcopyrite rich zones within Wernecke Breccia. All drill sites were constructed by hand using rock and soil found nearby. Drill hole locations are illustrated on Figure 9, while drill data for the holes is listed in Table II.

Table II - Drill Hole Data

Hole	Easting	Northing	Elevation	Azimuth	Angle	Depth (m)
DDH-I-2006-01	517559.9	7213622.2	1243.724	304°	-50°	124.97
DDH-I-2006-02	517559.9	7213622.2	1243.724	228°	-50°	106.07
DDH-I-2006-03	517348.9	7213671.7	1207.369	116°	-50°	110.03
DDH-I-2006-04	517348.9	7213671.7	1207.369	056°	-50°	170.38
DDH-I-2006-05	517302.1	7213680.7	1175.742	090°	-50°	141.12
DDH-I-2006-06	517302.1	7213680.7	1175.742	060°	-50°	133.50
DDH-I-2006-07	517291.4	7213571.8	1205.566	090°	-50°	123.44
DDH-I-2006-08	517333.8	7213864.0	1138.857	090°	-50°	132.59
DDH-I-2006-09	517436.6	7213829.3	1199.307	090°	-50°	94.49
DDH-I-2006-10	517405.8	7214014.8	1110.416	224°	-50°	155.45
DDH-I-2006-11	517405.8	7214014.8	1110.416	224°	-60°	170.69
DDH-I-2006-12	517405.8	7214014.8	1110.416	359°	-50°	181.66
DDH-I-2006-13	517404.4	7214139.9	1098.072	180°	-50°	123.44
DDH-I-2006-14	517103.0	7213354.1	1188.322	178°	-50°	81.38
DDH-I-2006-15	517348.9	7213671.7	1207.362	315°	-60.5°	181.36
DDH-I-2006-16	517405.8	7214014.8	1110.416	045°	-60°	275.23
DDH-I-2006-17	517345.0	7213810.0	1156.000	090°	-50°	155.14
DDH-I-2006-18	517345.0	7213810.0	1178.000	090°	-60°	270.66
DDH-I-2006-19	517345.0	7213810.0	1178.000	120°	-50°	31.20
DDH-I-2006-20	517155.0	7213697.0	1182.000	012°	-50°	57.50
DDH-I-2006-21	517155.0	7213697.0	1182.000	012°	-60°	44.42
DDH-I-2006-22	517501.0	7213745.0	1267.859	300°	-65°	49.38
DDH-I-2006-23	517501.0	7213745.0	1267.859	300°	-60°	95.89


L4195 N
T.N.
14'
26°10'
Grid north
Magnetic north
Annual change decreasing 29'
7 214 000 mN
517 000 mE
518 000 mE
L4095 N
L3995 N
L3895 N
L3845 N
L3795 N
L3745 N
L3695 N
L3645 N
L3595 N
L3495 N
L3395 N
L3295 N
L3195 N
7 213 000 mN
58981
58962
58942
58923
58904
58885
58865
58846
58827
58808
58788
58769
58750
58731
58712
58692
58673
58654
58635
58615
58596
58577
58558
58538
58519
58500
58481
58462
58442
58423
58404
58385
58365
58346
58327
58308
58288
58269
Total Magnetic Field
(nT)
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FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GROUND MAGNETICS
IGOR PROPERTY
0
100
200
300 m
UTM ZONE 8W, NAD 83, 106E02
FILE: ...2006/YUP/IGOR/F_7-GROUND MAG.WOR
DATE: FEBRUARY 2007

CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

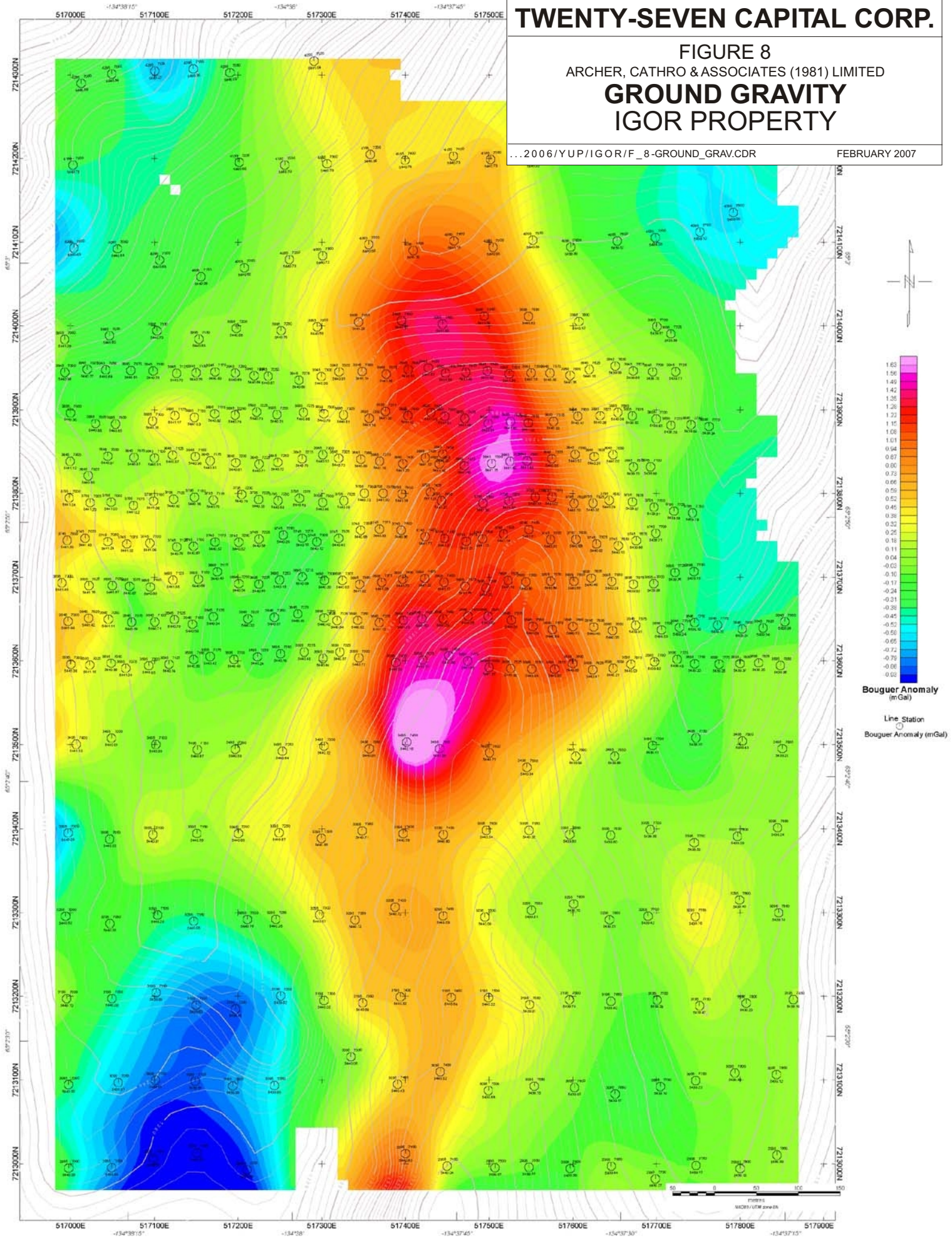
FIGURE 8

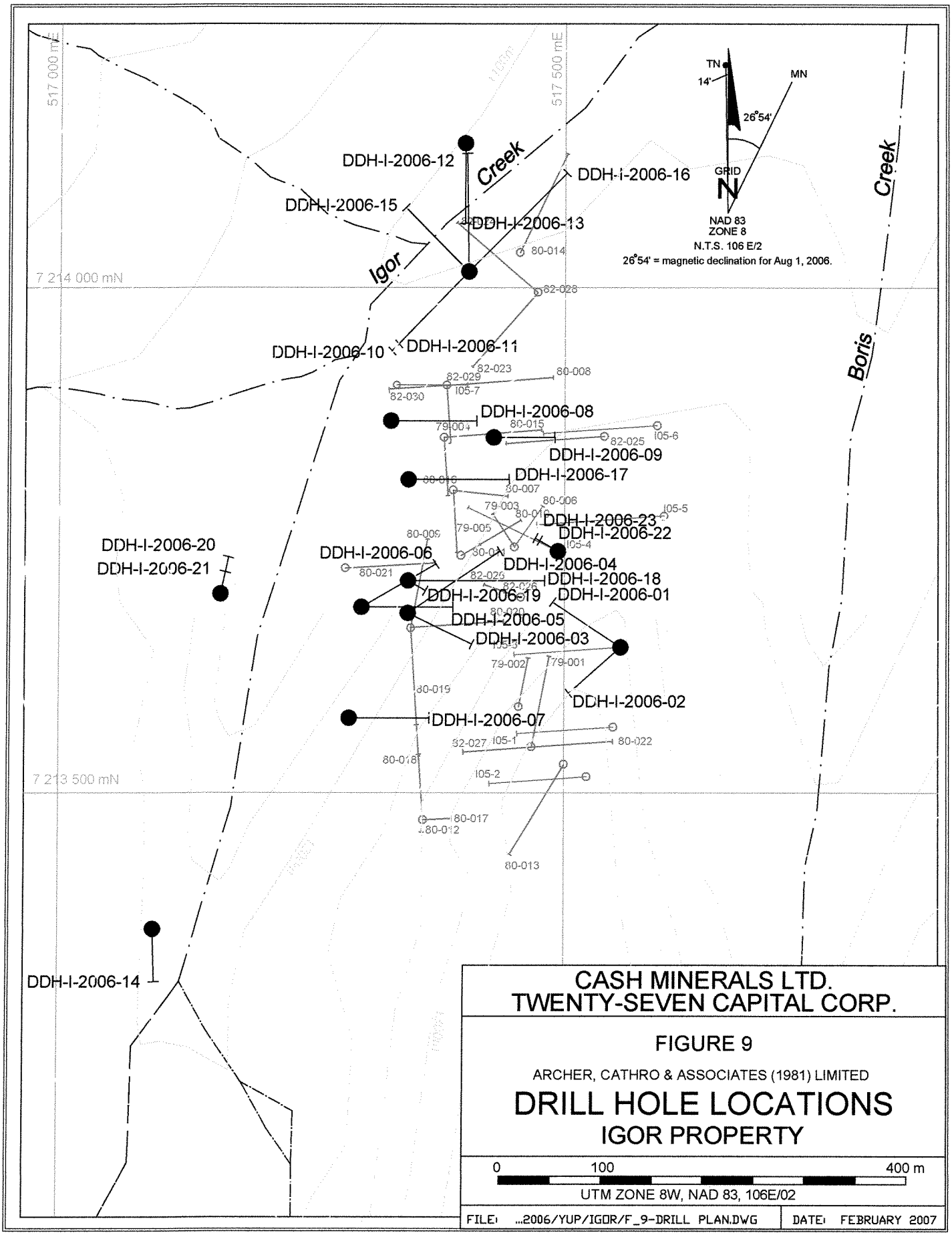
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GROUND GRAVITY

IGOR PROPERTY

. . . 2006/YUP/IGOR/F_8-GROUND_GRAV.CDR FEBRUARY 2007





CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DRILL HOLE LOCATIONS
IGOR PROPERTY

0 100 400 m

UTM ZONE 8W, NAD 83, 106E/02

FILE: ...2006/YUP/IGOR/F_9-DRILL PLAN.DWG | DATE: FEBRUARY 2007

The drill core was transported from the drill site to a logging area on the property, where recovery was measured, geological and geotechnical logging were performed and splitting was done. Geologically and mineralogically favourable intervals from each hole were split with one-half bagged and sent for analysis, and the other half returned to the core box. The core boxes are stored on the property. Appendix IV contains the geological and geotechnical logs.

Core samples were flown from the property to Bear River Airstrip then to Mayo from where they were transported to Whitehorse by truck, escorted by a representative of Archer Cathro. The samples were then shipped to ALS Chemex in North Vancouver. Core samples were dried and crushed to 70% minus 2 mm, before a 250 g split was taken and pulverized to better than 85% minus 75 microns. A split of the pulverized fraction was dissolved in aqua regia and analyzed for 34 elements using the inductively coupled plasma technique (ME-ICP41). Samples that exceed the upper detection for copper were assayed (Cu-AA46) and those that exceeded 1000 ppm uranium were checked using pressed pellet, wavelength dispersive XRF (U-XRF05). Certificates of Analysis are found in Appendix V.

Results

The 2006 drill program produced a number of low grade copper intersections with minor uranium within Wernecke Breccia. In 2006, a four part nomenclature scheme was utilized to assist in further sub-dividing the breccia. A description of this nomenclature, along with other geological codes, can be found in preceding the diamond drill logs in Appendix IV.

Nine different mineral assemblages were identified within drill core and were used to sub-divided Wernecke Breccia on a finer scale, resolving various hydrothermal precipitates or 'vein types' and mineral rich zones. In order of abundance these include: 1) dolomite-euhedral magnetite(+/-albite), locally massive magnetite; 2) massive specular hematite (+/-barite); 3) coarse crystalline barite (+/-pitchblende); 4) massive fine grained pyrite; 5) massive pyrite +chalcopyrite(+/- uranium oxides), locally massive chalcopyrite; 6) dolomite-chalcopyrite (+/-barite), locally massive chalcopyrite; 7) ankerite-magnetite (+/- chalcopryte cores); 8) chlorite; and 9) minor fluorite as stringers. In addition to the magnetite-rich and hematite-rich zones previously identified within the Wernecke breccia, pyrite-rich and albite-rich zones were also observed.

Significant assays results are summarized in Table III. The best uranium intersection came from hole DDH-I-2006-10. It graded 0.593% U_3O_8 over 1.27 m. The highest copper intersection also came from this hole. It graded 1.39% over 12.04 m and includes 5.00% over 2.04 m.

Table III - Significant Diamond Drill Hole Intervals

Hole	From (m)	To (m)	Interval (m)	%Cu	%U_3O_8
DDH-I-2006-01	61.42	74.00	12.58	0.32	0.008
Incl.	63.00	68.00	5.00	0.41	0.013
and	70.00	74.00	4.00	0.46	0.009
DDH-I-2006-03	0.00	21.00	21.00	0.33	-
incl.	0.00	7.00	7.00	0.58	-
DDH-I-2006-03	45.08	68.00	22.92	0.20	0.016
incl.	49.80	50.80	1.00	1.18	0.290
DDH-I-2006-04	5.00	11.00	6.00	0.64	-
DDH-I-2006-04	56.00	112.61	56.61	0.40	0.019
incl.	58.50	68.90	10.40	1.12	0.049
and	108.56	112.61	4.05	0.75	0.053
DDH-I-2006-05	21.23	30.50	9.27	-	0.011
DDH-I-2006-05	80.00	86.10	6.10	-	0.043
incl.	84.78	86.10	1.32	-	0.121
DDH-I-2006-10	15.47	16.74	1.27	-	0.593
DDH-I-2006-10	73.96	86.00	12.04	1.39	-
incl.	73.96	76.00	2.04	5.00	-
and	80.00	82.00	2.00	2.12	-
DDH-I-2006-11	90.00	125.50	35.50	0.33	-
incl.	100.33	106.87	6.42	0.66	-
and	111.50	113.00	1.50	1.00	-
DDH-I-2006-12	24.25	51.00	26.75	0.26	-
DDH-I-2006-12	80.80	93.78	12.98	0.81	0.062
incl.	80.80	83.82	3.02	2.05	0.261
DDH-I-2006-12	126.50	132.29	5.79	0.64	-
incl.	129.65	132.25	2.64	1.19	-
DDH-I-2006-13	92.00	98.50	6.50	0.76	-
incl.	94.75	98.50	3.75	1.16	-
DDH-I-2006-16	141.66	226.65	84.99	0.31	-
incl.	141.66	148.00	6.34	1.05	-
and	211.84	214.00	2.16	0.46	0.012
and	221.64	226.65	5.01	0.95	0.004
DDH-I-2006-17	5.90	8.90	3.00	1.01	-
DDH-I-2006-18	46.20	53.36	7.16	0.63	0.009
DDH-I-2006-18	73.35	77.15	3.80	-	0.113
Incl.	73.35	74.68	1.33	-	0.189
DDH-I-2006-18	131.00	131.89	0.89	3.65	0.041

DISCUSSION AND CONCLUSIONS

The Wernecke Breccia at the Igor Property is interpreted to be an elongated, northerly trending, generally steep-dipping, dense iron-barite-copper rich, locally foliated breccia. The main breccia body is aligned coincidently with a set of tight, steep antiformal axes which have been sheared and rehealed to produce a strong foliation fabric of multiple strain textures, in part creating a repeated chemically varied crack and seal mechanism responsible for drawing in some of the observed mineralization. Post-mineralization regional structures have off set and displaced the axis of the breccia body, namely: Lower Cambrian horst-graben east-west block faulting; then Late Cretaceous Laramide thrusting locally reactivating the older faults and in some cases folding them. The effect of the structural events is a telescoped temperature profile with respect to observed mineralogy. Higher level, lower temperature hematite zones can be observed in a structural domain adjacent to a domain containing lower level, higher temperature magnetite zones.

Diamond drilling and petrographic work has identified nine vein types and three metal rich zones within the breccia. Copper mineralization comprising locally massive chalcopyrite+/-pyrite is located along selvages within the breccia body and in vein contact zones. Younger mineralization, including pitchblende, is hosted within northwest trending structures. Although uranium and copper mineralization are often found together, they represent separate events.

Although a number of holes tested in and around the geophysical anomalies, further interpretation of the gravity data suggests that a dense body exists beneath the Igor drill area and remains untested. Future diamond drilling should test this target.

Respectfully submitted,

Archer, Cathro & Associates (1981) Limited

Matthew R. Dumala, B.A.Sc., EIT

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APPENDIX I

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Matthew R. Dumala, geological engineer, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address in Vancouver, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 2002 with a B.A.Sc in Geological Engineering, Option l, mineral and fuel exploration.

2. I am registered as an Engineer in Training in the Province of British Columbia.

3. From 2003 to present, I have been actively engaged in mineral exploration in the Yukon Territory.

4. I have personally participated in the fieldwork reported herein.

Matthew R. Dumala, B.A.Sc., EIT

APPENDIX II

PETROGRAPHIC REPORT

PETROGRAPHIC REPORT ON 25 SAMPLES FROM WERNECKE BRECCIA PROPERTY (IGOR PROJECT), YUKON

Report for: Rick Zuran, Geologist
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1016-510 West Hastings Street
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Invoice 060384

May 29, 2006.

SUMMARY:

The 25 samples examined (of 27 submitted) are from an iron oxide copper-gold (IOCG) Wernecke Breccia property in Yukon, hosted by fine-grained clastic sedimentary-carbonate rocks which have been metasomatically altered (including iron carbonate-barite, potassic, albite and scapolite assemblages) by the Wernecke Breccia iron-oxide (hematite, magnetite) systems. Specific questions about certain samples are answered in the capsule or detailed descriptions below.

In general, most of the samples (all except #4, which may be a strongly altered mafic intrusive such as gabbro/diorite?) are breccias or brecciated, composed of variable amounts of hydrothermal matrix cementing and in places significantly altering, angular to subrounded clasts of probable sedimentary rocks. It is commonly difficult to separate clasts from matrix due to the alteration of clasts and similarity of mineralogy to that in the matrix. Rock types appear to be mainly mudstone (now largely sericite) or siltstone (variable proportions of detrital quartz and sericite), grading locally to silty dolomitic mudstone or dolomitic siltstone (e.g. #18), rarely to carbonate rock (possibly dolostone, e.g. #12). In one sample (#8), possible mafic igneous clasts are present (largely altered to chlorite and sericite).

The hydrothermal breccia matrix assemblage mainly consists of carbonate, quartz, barite, chlorite, sericite (muscovite), magnetite (largely oxidized to hematite or pseudomorphed to "martite"), sulfides, rutile, and rare tourmaline, trace garnet (?). In places (9 samples out of 25) alkali feldspar, including either or both plagioclase (likely albite) and Kspar (mostly microcline) are a significant part of the alteration assemblage. In general, carbonate appears (lacking any hard data from SEM or microprobe analyses) to be largely dolomite or Fe-carbonate, such as ankerite or locally even siderite (?). Chlorite generally appears, on the basis of optical properties, to be moderately Fe-rich (Fe:Fe+Mg, or F:M, mainly 0.6-0.7?). Coarsened sericite (muscovite) appears to be a common associate of the breccia matrix. Sulfides are mainly pyrite, mainly separate from chalcopyrite (only rarely occurring together) and relatively minor although locally semi-massive pyrite (#20) and semi-massive chalcopyrite (#9) occur. There are local indications that sulfides, especially pyrite, have replaced hematite (which in general has replaced former magnetite). Ubiquitous rutile locally appears to have been remobilized as part of the hydrothermal assemblage, implying alteration strong enough to mobilize TiO2. Rare tourmaline is also Fe-rich (schorl, F:M mainly 0.8-0.9?). Traces of zircon (?) are likely relict detrital, and minute monazite (?) or zircon enclosed in chlorite appear to contain traces of radioactive substances.

Capsule descriptions are as follows:

1: this breccia consists mainly of coarse euhedral "martite" (specular hematite) pseudomorphs after magnetite (traces of which remain), in a matrix of and cut by narrow veinlets of, possibly Fe-bearing carbonate (ankerite?), quartz, chlorite. The quartz and chlorite may possibly be in part after former amphibole (or tourmaline) crystals; trace euhedral schorlitic tourmaline remains.

2: this is a (brecciated, originally feldspathic?) rock strongly altered to carbonate, sericite, albite and Kspar, minor quartz (trace magnetite, ilmenite?, now oxidized to hematite, rutile, leucoxene) in association with veins or breccia matrix of quartz-pink carbonate-chalcopyrite.

3: this sample does contain plagioclase (likely albite, possibly secondary) as euhedral bladed crystals, enclosed with euhedral magnetite (largely oxidized to hematite, and associated with euhedral pyrite/trace marcasite?, minor chalcopyrite) in a matrix of carbonate (trace rutile), cut by a network of Fe-chlorite filled fractures.

4: although the overall texture is indeed suggestive of a former mafic intrusive, the mineralogy now observable is entirely secondary (chlorite, carbonate, hematite after magnetite, minor quartz, pyrite, trace rutile) and it is only speculative that this sample represents a strongly altered gabbro or diorite.

5: very sericite-rich rock with a breccia (?) texture, composed of small angular clasts of fine-grained sericite-minor chlorite-Kspar-pyrite-rutile rock, in a matrix of coarser-grained sericite loosely associated with magnetite, chlorite, Kspar, possibly ankeritic carbonate, pyrite and trace rutile.

6: breccia composed of clasts of Kspar partly altered to sericite and carbonate, in matrix of magnetite (partly oxidized to hematite, with cores full of chlorite), pyrite, chlorite, carbonate, quartz, sericite and minor rutile; veins contain quartz, carbonate, chlorite, possible zoisite, pyrite and bladed hematite.

7: appears to be a breccia composed of clasts heavily replaced by atoll-textured martite (hematite after magnetite, with chlorite-rich cores), chlorite and minor sericite (in part after former feldspar), quartz and trace rutile, with a matrix of chlorite, quartz and pyrite/marcasite, trace carbonate).

8: deformed, sheared, brecciated, chlorite-sericite altered rock of obscure origin but possibly indicative of a former mafic igneous rock such as a layered, fine to coarse tuff, or perhaps merely a disrupted diorite/gabbro. Partly sericitized, glomeratic K?-feldspar, strained quartz, scattered muscovite, hematized magnetite crystals and abundant rutile are difficult to explain.

9: breccia composed of small clasts of carbonate rock (likely dolomitic) or carbonate crystals (possibly ankeritic), plus blastic martite pseudomorphs, in a matrix of fine-grained carbonate, chlorite, chalcopyrite, quartz, and minor sericite. Traces of a sulfosalt (?) and arsenopyrite (?) occur with inclusions of chalcopyrite in martite pseudomorphs.

10: appears to be a poorly defined breccia composed of clasts of carbonate-barite-quartz-chlorite-hematite, in a matrix of similar mineralogy but with more hematite (likely after magnetite; apparently itself replaced by pyrite). The parent rock is uncertain, but may have been a carbonate-rich horizon.

11: it appears most likely that a breccia network or matrix of ankeritic or sideritic carbonate, quartz, magnetite (now partly oxidized to hematite), minor chlorite and trace pyrite has cut and recrystallized a fine-grained, likely sedimentary rock composed mainly of silt-sized quartz grains and very fine-grained sericite (mudstone or siltstone).

12: carbonate rock (mainly ankerite or siderite?) cut by a veinlet network/breccia matrix of coarser, recrystallized carbonate (in part possibly dolomite and/or Fe-calcite), secondary quartz, chlorite, magnetite (now largely oxidized to hematite) and minor chalcopyrite.

13: mudstone or siltstone composed of varying proportions of fine-grained sericite and detrital quartz, cut by a veinlet network/breccia matrix of Fe-carbonate, barite, secondary quartz, Fe-chlorite, minor magnetite (partly oxidized to hematite) and trace pyrite.

14: likely breccia, in which the original rock has been completely obscured by almost total replacement by secondary minerals, including hematite (martite, likely mainly after former magnetite), barite, Fe-carbonate, and minor quartz and Fe-chlorite (trace pyrite).

15: chlorite is present, which with carbonate, quartz, barite, and hematite (after magnetite) makes up the veinlets/breccia matrix cutting and cementing the clasts, which are mainly fine-grained quartz (siltstone?), sericite (mudstone?) and possibly carbonate (hard to be sure if the carbonate is partly present as clasts or only as part of the hydrothermal matrix).

16: this breccia consists of clasts of (recrystallized, altered) carbonate rock (ankerite and dolomite/Fe-calcite?) cut by a breccia matrix/network of secondary quartz, chlorite, barite, iron oxides (mainly hematite after magnetite) and pyrite (possibly late, replacing/including hematite). No feldspars were found.

17: breccia consists of clasts composed of variable proportions of quartz (presumably detrital) and sericite (siltstone to mudstone), partly replaced (particularly near margins) by carbonate, chlorite and iron oxides, in a matrix variably composed of chlorite, carbonate, secondary quartz, barite, hematite (after magnetite), minor chalcopyrite and trace rutile.

18: typical host rock composed of silty dolomitic mudstone or dolomitic siltstone, extensively altered in veinlets/ breccia matrix to coarse secondary quartz, carbonate (possibly mostly dolomite/ankerite and minor siderite), lesser barite, chlorite, hematite (after magnetite), muscovite, and trace pyrite.

19: breccia composed of clasts of sedimentary rock ranging from mudstone (sericite-quartz) to dolomitic siltstone (quartz-carbonate-minor sericite), altered to quartz, carbonate and minor barite and trace chlorite in association with a veinlet network/breccia matrix of similar secondary minerals (quartz, carbonate, barite) plus magnetite (slightly oxidized to hematite) and trace pyrite.

20: massive to semi-massive pyrite (rare chalcopyrite) that has been intensely shattered, and contains patches of gangue inclusions that are mainly composed of quartz, Fe-carbonate, barite and Fe-chlorite (rare sericite).

21: breccia composed of over 90% clasts of variably-textured (laminated to massive), fine-grained, carbonate-quartz-sericite-K-feldspar rock (ankeritic siltstone?) with accessory hematite and minor chlorite. Veins/matrix consists of quartz, carbonate, sulfides and minor muscovite, trace barite.

22: breccia composed of sericitic (mudstone) clasts strongly altered to quartz-chlorite-hematite-minor Fe carbonate-barite-trace rutile(-pyrite), along and near an extensive hydrothermal matrix; the dark minerals are mainly hematite and chlorite.

23: clasts in this sample are strongly to intensely altered, to a mixture of secondary alkali feldspar (likely albitic, could include hematite-stained albite or Kspar?), sericite (muscovite) and carbonate, in association with a breccia matrix of carbonate-chlorite-hematite (after magnetite), trace pyrite, barite.

24: although the distinction between clasts and matrix is not clear, it appears that mudstone and siltstone clasts (possibly partly dolomitic) are partly replaced and invaded by a hydrothermal matrix of carbonate, albitic feldspar, hematite, chlorite, sericite/muscovite, and trace rutile.

25: clasts (mudstone, mainly fine-grained sericite, or siltstone, with significant quartz), and variable carbonate plus accessory sulfides and hematite appear to be strongly replaced around the margins by

alkali feldspar (albite and Kspar) of the matrix; most of the alkali feldspar, carbonate and sulfides are also likely hydrothermal replacements, forming “spots”, locally nucleated on clasts within clasts.

Detailed petrographic descriptions and photomicrographs are appended (on CD). If you have any questions regarding the petrography, please do not hesitate to contact me.

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1: COARSE EUHEDRAL "MARTITE" (HEMATITE) PSEUDOMORPHS AFTER MAGNETITE, IN MATRIX OF ANKERITIC (?) CARBONATE, QUARTZ, FE-CHLORITE, TOURMALINE

Described as magnetite?-but not magnetic, any information about its zoning; hand sample consists of coarse (cm-sized), euhedral crystals, likely of "martite (magnetite pseudomorphed by hematite) that are only weakly magnetic, in a matrix of buff carbonate (that reacts to cold dilute HCl only where powdered, implying ankerite or dolomite) and minor dark green chlorite (?). Narrow irregular veinlets of carbonate react to HCl without powdering. There is no stain for Kspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

Hematite ("martite", pseudomorphous after magnetite)	60%
Carbonate	20%
Quartz	10%
Fe-chlorite	8-10%
Tourmaline (schorlitic)	<1%
Magnetite (remnant)	<1%

Most of this sample consists of large hematite pseudomorphs after magnetite ("martite") with euhedral outlines up to about 1.2 cm in diameter, composed of interlocking sub- to euhedral crystals of specular hematite mostly <0.15 mm in diameter, but locally containing traces of relict magnetite (irregular shaped, mostly <0.12 mm in diameter). The martite pseudomorphs typically show distinct zonation, highlighted by rows of gangue inclusions zonally arranged around the rims. These inclusions are mostly quartz and carbonate, as ragged, in places skeletal, crystals up to 0.3 mm and 0.1 mm in diameter respectively. Inclusions near the cores of the pseudomorphs tend to be arranged more irregularly, and to be more commonly quartz (and minor chlorite) than carbonate.

The matrix consists of gangue minerals, mostly carbonate forming euhedral to subhedral, interlocking crystals up to about 1.5 mm in diameter that could be dolomite or ankerite (Fe-bearing dolomite), suggested by the common limonite staining of parts of the carbonate; SEM and/or microprobe analysis would be required to confirm this. Lesser quartz forms partly skeletal, sub- to euhedral crystals mainly <0.5 mm in diameter, but locally in aggregates with euhedral outlines up to 3.5 mm long, intergrown with the carbonate. Chlorite, mostly forming minute scales or subhedral flakes <50 microns in diameter, also occurs (in places with quartz) in larger aggregates with crudely subhedral, elongate outlines up to 2 mm long that suggest the chlorite may have pseudomorphed former ?amphibole or tourmaline crystals. Traces of tourmaline, forming slender euhedral prisms up to 0.7 mm long, remain in some of these aggregates. Chlorite optical properties (strong green to pale yellow pleochroism, partly masking the length-slow birefringence) indicate a relatively high Fe content, with Fe:Fe+Mg, or F:M, ratio possibly around 0.6-0.7. Similarly, blue-green pleochroism in the tourmaline also implies a high Fe content, with F:M perhaps 0.7-0.8.

Narrow (mainly <0.3 mm thick) veinlets composed of variable mixtures of carbonate, quartz, and chlorite cut both the hematite pseudomorphs and the gangue minerals.

In summary, this breccia consists mainly of coarse euhedral "martite" (specular hematite) pseudomorphs after magnetite (traces of which remain), in a matrix of and cut by narrow veinlets of, possibly Fe-bearing carbonate (ankerite?), quartz, chlorite. The quartz and chlorite may possibly be in part after former amphibole (or tourmaline) crystals; trace euhedral schorlitic tourmaline remains.

2: CARBONATE-SERICITE-ALBITE?-KSPAR-QUARTZ±HEMATITE ALTERED ROCK; VEINS/BRECCIA MATRIX OF PINK CARBONATE-QUARTZ-CHALCOPYRITE-CHLORITE

Object of the section is to identify the pinkish mineral, and describe the sulfide textures; hand sample shows crudely defined veinlets and stringers of a pink mineral associated with sulfides (mainly chalcopyrite) cutting a matrix of reddish-brown (mainly carbonate?) that reacts slowly to cold dilute HCl. There is minor K-feldspar indicated by yellow stain in the etched offcut; however, it does not appear to be the pink mineral, which displays carbonate cleavage and is not stained yellow in the offcut. Small dark specks disseminated in the matrix are likely magnetite (rock is faintly magnetic). Modal mineralogy in polished thin section is approximately:

Carbonate (dolomitic?)	40%
Sericite	25%
Quartz (secondary)	15%
Albite (?; secondary)	10%
K-feldspar (secondary)	5%
Chalcopyrite	2-3%
Fe-chlorite	1-2%
Hematite (after magnetite)	<1%
Rutile, “leucoxene”	<1%

In general, veins are composed of relatively coarse-grained, bright salmon-pink carbonate (slow reaction to HCl), quartz and sulfides (chalcopyrite), whereas wallrock consists of fine-grained, intimately mixed carbonate (also slow reaction on the cut surface) and sericite, the latter in part after a mixture of feldspar including albite and Kspar, minor quartz, and traces of disseminated hematite.

In the veins (or possibly breccia cement/matrix to clasts of strongly altered carbonate-bearing wallrock) that are up to about 5 mm thick and make up about 10-15% of the sample, carbonate forms sub- to euhedral crystals up to about 1 mm in diameter that show zoning at the rims of Fe-stained inclusions, suggesting it may be Fe-calcite or less likely Fe-bearing dolomite (ankerite). Quartz forms sub- to euhedral, locally ragged, skeletal crystals up to about 1.5 mm long, generally intergrown with or containing the patches of chalcopyrite that are up to 3 mm across (composed of sub- to euhedral crystals up to about 1.5 mm in diameter). Pyrite appears to be completely absent, implying a low total sulfur system.

In the wallrock, fine-grained, intimately intermixed carbonate and sericite appear likely to be the product of alteration of former feldspar and possibly mafic minerals. Carbonate, possibly dolomitic to judge by the slow reaction on cut surfaces in the hand sample, forms rounded subhedral crystals mostly <0.2 mm in diameter. Sericite forms matted masses of fine subhedral flakes mostly <50 microns in diameter, that have the appearance of having replaced former feldspar crystals with crudely defined subhedral outlines up to 2 mm long, or in places lithic clasts (?) with angular outlines up to almost 0.5 cm across. Crystals of feldspar with subhedral to ragged outlines up to 1.5 mm, in part relict, intergrown with the carbonate and sericite, display local polysynthetic twinning and is probably mostly albite (none directly in contact with the minor quartz to compare refractive indices with, due to intervening sericite and carbonate). However, untwinned crystals and the yellow stain in the etched offcut indicate that a portion of the feldspar is Kspar. Both albite (?) and Kspar are likely secondary, indicating albitic and potassic alteration. Minor chlorite, similar to that described for sample 1 (likely Fe-rich), forms minute ragged flakes mostly <25 microns in diameter, apparently concentrated in and around the selvages or envelopes to the veins/matrix. Small aggregates of specular hematite have sub- to euhedral outlines mostly <0.5 mm in diameter, and are suggestive of martite pseudomorphs after former magnetite (traces of which remain at the cores). Minute rutile euhedra <20 microns in size and clusters of fine-grained, semi-opaque, brownish “leucoxene” with rounded subhedral outlines up to 0.3 mm across may represent the sites of former Ti-bearing minerals.

In summary, this is a (brecciated, originally feldspathic?) rock strongly altered to carbonate, sericite, albite and Kspar, minor quartz (trace magnetite, ilmenite?, now oxidized to hematite, rutile, leucoxene) in association with veins or breccia matrix of quartz-pink carbonate-chalcopyrite.

3: BLADED PLAGIOCLASE (ALBITE?) AND EUHEDRAL MAGNETITE (HEMATIZED)/ MINOR PYRITE, CHALCOPYRITE, IN MATRIX OF CARBONATE (TRACE RUTILE), CUT BY FE-CHLORITE FRACTURES

Sectioned to determine if it contains albite alteration; hand sample consists of beige-buff and darker brown carbonate (that react slowly and very slowly, respectively, to cold dilute HCl on a cut surface) and medium-grained magnetite (strongly magnetic). The etched offcut shows no stain for K-feldspar; however, it does reveal the presence of bladed crystals that etch white (likely plagioclase) plus minor pyrite. Modal mineralogy in polished thin section is approximately:

Plagioclase (albite?)	40%
Carbonate (dolomitic/ankeritic?)	40%
Magnetite, hematite	15%
Fe-chlorite	2-3%
Pyrite	1-2%
Chalcopyrite, marcasite (?)	<1% each
Rutile	<1%

This sample consists essentially of large bladed crystals of plagioclase, locally outlined by minor chlorite, and variable magnetite crystals (partly oxidized to hematite; associated with minor sulfides) in a matrix of carbonate. The sample is cut by locally abundant fracture veinlets of chlorite.

Plagioclase forms large sub- to euhedral, locally bent (deformed) and fractured crystals up to about 3 mm long, but in places aggregating (glomeratic) to over 5 mm. Extinction Y^010 up to 15 degrees (12 degrees for Z^001) suggests the composition is likely albite, although the crystals do not occur in contact with quartz to confirm a low refractive index. It is not obvious that the albite is secondary, although by comparison with other samples it seems likely.

Carbonate occurs as a granular aggregate of finely crystalline (mainly subhedral), interlocking material mostly <0.2 mm in diameter that could be mostly dolomite or possibly ankerite (locally Fe-stained). In places, larger crystals up to 0.5 mm across are fractured and infilled by chlorite.

Chlorite forms subhedral flakes mostly <50 microns in diameter except 0.2 mm in veinlets up to 0.2 mm across; optical properties are similar to those described for sample #1, indicating a relatively Fe-rich chlorite with F:M perhaps 0.6-0.7.

Much of the magnetite in this sample, which originally appears to have been present as large, zoned euhedra up to 1 cm across, has been oxidized to hematite (as interlocking subhedral crystals mostly <0.5 mm in diameter, with irregular, corroded remnants of magnetite of similar size contained within the pseudomorphs). This is similar to sample 1 except not as advanced along the martite process; zonally arranged gangue inclusions are common around the rims of the altered crystals and are more evenly distributed in the cores of the crystals. It is not certain whether the clear silicate inclusions are quartz or albite (they lack twinning, but since no other quartz can definitely be identified in the sample, it seems more likely they are also feldspar).

Pyrite, forming euhedral crystals mainly <0.5 mm in diameter, is also concentrated around the rims and adjacent to the martite (relict magnetite) crystals, rarely associated with traces of chalcopyrite (generally included within hematite) and a whiter-coloured mineral with weak anisotropism, possibly indicative of marcasite (?). Minute crystals of rutile (subhedra mostly <30 microns in diameter) are common, but volumetrically insignificant, disseminated in the gangue minerals, especially carbonate.

In summary, this sample does contain plagioclase (likely albite, possibly secondary) as euhedral bladed crystals, enclosed with euhedral magnetite (largely oxidized to hematite, and associated with euhedral pyrite/trace marcasite?, minor chalcopyrite) in a matrix of carbonate (trace rutile), cut by a network of Fe-chlorite filled fractures.

4: STRONGLY FE CHLORITE-CARBONATE-MARTITE-MINOR QUARTZ-PYRITE-TRACE RUTILE ALTERED ROCK, POSSIBLY OF MAFIC INTRUSIVE ORIGIN

Described as intrusive, possibly diorite or gabbro with alteration; hand sample has a mafic intrusive appearance, composed of bladed, dark green chloritized (?) mafic relics, but the enclosing mineral appears to be mainly carbonate (reacts slowly but steadily to cold dilute HCl) rather than plagioclase. The rock is slightly magnetic (likely martitized magnetite) and shows no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

Fe-chlorite	60%
Carbonate (calcite or dolomite?)	30%
Martite (hematite after magnetite)	7-8%
Quartz (secondary)	1-2%
Pyrite or marcasite?	1%
Rutile	<1%

This sample consists mainly of elongated subhedral chlorite pseudomorphs after some former mafic mineral, and scattered euhedral martite crystals plus minor sulfides, in a matrix of carbonate.

The chlorite pseudomorphs have generally bladed outlines up to at least 6 mm long (could be larger but are now indistinguishable in aggregates of chlorite), suggesting an original mineral such as amphibole or pyroxene. The pseudomorphs are composed of matted flakes, mostly <50 microns in diameter, of (probably) somewhat Fe-rich chlorite, based on the optical properties (dark green colour, weak to moderate pleochroism, mainly length-slow, anomalous blue birefringence suggestive of F:M perhaps around 0.6).

Carbonate forms either fine-grained, granular aggregates composed of interlocking sub- to anhedral crystals mostly <0.15 mm in diameter, or coarser-grained aggregates composed of sub- to euhedra up to about 1.5 mm in diameter. Both types may be either dolomite or calcite; minor Fe-staining in both suggests it could be Fe-calcite or ankerite, but the presence of Mg and Fe would require confirmation by SEM or microprobe. Traces of rutile, as pale yellow brown euhedra mostly <35 microns long, are disseminated mostly in the carbonate.

Opaque mineralogy (not examined in reflected light) appears to consist mainly of hematite pseudomorphs after former magnetite crystals that were euhedral and up to about 2.5 mm in diameter, and minor pyrite (or possibly marcasite?) as euhedral crystals up to about 1 mm in diameter.

Minor quartz, likely secondary, is mostly mixed with the chlorite (and former magnetite) as aggregates with subhedral outlines to 0.65 mm long, composed of subhedral bladed crystals mostly <0.35 mm long.

In summary, although the overall texture is indeed suggestive of a former mafic intrusive, the mineralogy now observable is entirely secondary (chlorite, carbonate, hematite after magnetite, minor quartz, pyrite, trace rutile) and it is only speculative that this sample represents a strongly altered gabbro or diorite.

5: BRECCIA OF SERICITE-RICH ROCK IN ?MATRIX OF COARSER SERICITE-MAGNETITE-KSPAR-FE CHLORITE-PYRITE-CARBONATE-TRACE RUTILE

Described as magnetite along relict beds, in uncertain parent rock type; hand specimen shows what appears to be a finely brecciated, pale buff-beige to dull grey-green, soft (easily scratched by steel) rock composed of small (<0.5 cm diameter) angular clasts of these two main colours, with patchy disseminated magnetite and trace sulfides possibly somewhat more closely associated with the dull green portions (in part matrix?) but not displaying obvious bedded character. There is no reaction to cold dilute HCl; trace yellow stain for Kspar in the etched offcut indicates it may be related to the dull green, somewhat more magnetite-rich, possibly matrix portion of the sample. Modal mineralogy in polished thin section is approximately:

Sericite	80%
Magnetite (partly oxidized to hematite)	7%
K-feldspar (microcline?, possibly secondary?)	5%
Fe-chlorite	3-5%
Pyrite	2%
Carbonate (dolomite/ankerite?)	1%
Rutile	1%

In thin section, this is a very sericite-rich rock in which the fragmental or breccia texture is not obvious, but it does seem that the magnetite (and likely pyrite, minor carbonate) is more or less associated with slightly coarser-grained (recrystallized?), more chloritic, possibly more Kspar-rich portions that appear to be matrix between angular clasts composed mainly of fine-grained sericite.

In what appear to be the clasts, making up the bulk of the sample, sericite forms randomly oriented, mainly euhedral flakes mostly <50 microns in diameter, with minor chlorite as ragged subhedral flakes of similar size, disseminated pyrite as euhedra mostly <65 microns in diameter, and disseminated rutile as euhedra pale yellow-brown crystals mostly <25 microns in size. Scattered K-feldspar forms blastic, locally glomeratic subhedral crystals up to about 0.5 mm in diameter; “grid” twinning in the Kspar crystals suggests it is likely microcline.

In what may be loosely termed “matrix”, sericite forms flakes up to 0.1 mm in size, magnetite forms sieve-textured, somewhat skeletal crystals with euhedral outlines up to about 1 mm in diameter (particularly where glomeratic) that are partly replaced around the margins by hematite as subhedral flakes mostly <0.15 mm in diameter. Inclusions giving the sieve texture are mainly chlorite and lesser sericite, as sub- to euhedral flakes mostly <40 microns in diameter. Where this matrix is best developed, rounded sub- to euhedral crystals of Kspar (also likely microcline) up to 0.5 mm in diameter are associated with chlorite (subhedral flakes to 0.1 mm that are somewhat Fe-rich with F:M=0.6-0.7, based on moderately strong pale yellowish to green pleochroism, length-slow anomalous blue birefringence), minor carbonate as subhedra mostly <0.25 mm in size, likely dolomite or ankerite in composition as suggested by minor Fe-staining, and pyrite as euhedral cubic crystals up to 0.2 mm in diameter. Locally rutile, as aggregates to 0.3 mm of euhedra mostly <40 microns, appears to be part of this assemblage (implying alteration strong enough to mobilize TiO2).

In summary, this is a very sericite-rich rock with what appears to be a breccia texture, composed of small angular clasts of fine-grained sericite-minor chlorite-Kspar-pyrite-rutile rock in a matrix of coarser-grained sericite, loosely associated with magnetite, chlorite, Kspar, possibly Fe-bearing carbonate (ankerite?), pyrite and trace rutile. Although the breccia itself could be somewhat stratified, I do not see the magnetite as being clearly along relict bedding. The parent rock type is difficult to be sure of; I would speculate that the apparent complete absence of quartz and the extreme abundance of sericite are unusual even for a mudstone although that may be the most likely protolith; the Kspar and chlorite may be secondary in origin, related to the magnetite and pyrite. It is possible that the abundance of sericite is also, at least in part, due to hydrothermal alteration associated with the brecciation.

6: BRECCIA (?) OF PARTLY SERICITE-CARBONATE ALTERED KSPAR CLASTS, MATRIX OF MAGNETITE/HEMATITE-FE CHLORITE-PYRITE-CARBONATE-QUARTZ-?ZOISITE

Submitted to determine sulfide-oxide mineralogy; hand specimen is medium-to fine-grained, buff-brownish to grey-green, composed mainly of a matrix of magnetite, lesser pyrite, Kspar (stains yellow in the etched offcut), interstitial carbonate (reacts slowly to cold dilute HCl) and possible chlorite. Locally a breccia texture is evident, with subrounded clasts up to 8 mm in diameter containing pale grey-pink (K-feldspar?) crystals embedded in carbonate, and quartz veins up to 2 mm thick cut the sample. Modal mineralogy in polished thin section is approximately:

Carbonate (dolomite/ankerite?)	30%
Magnetite (oxidized to hematite at rims)	25%
Sericite	15%
Fe-chlorite	10%
K-feldspar (secondary?)	10%
Pyrite	5%
Quartz (vein, secondary)	3%
Zoisite (?) (veins only)	1%
Rutile	1%

In general, the clasts (?) are difficult to recognize in thin section, but are composed of variably sericite-carbonate altered K-feldspar crystals and carbonate; the matrix appears to mainly consist of magnetite, chlorite, quartz and sulfides.

In the clasts (?), feldspar forms subhedral, glomeratic (somewhat sieve-textured, blastic-looking, likely secondary) crystals with rounded subhedral outlines up to 4 mm long. Inclusions of quartz (subhedral, to 0.5 mm), carbonate (ragged subhedra, to 0.2 mm), chlorite (ragged subhedral flakes to 60 microns) and magnetite (euhedra mostly <75 microns) are common. The “grid” twinning characteristic of microcline is not evident, so it may be orthoclase (?). In places, the feldspar is 20-80% replaced by fine-grained sericite (sub- to euhedral flakes mostly <75 microns in diameter) and carbonate (sub- to euhedra mostly <0.1 mm in diameter). This alteration grades to almost massive replacement (?), principally by carbonate forming sub- to euhedra up to 0.25 mm in diameter, which is difficult to distinguish from the matrix.

In the matrix, magnetite forms euhedral crystals up to almost 2 mm in diameter characterized by strongly sieve-textured cores (inclusions are mostly chlorite, euhedral flakes to 0.15 mm in diameter; minor subhedral quartz to 0.1 mm) and rims oxidized to hematite. Pyrite, forming mainly euhedral crystals <0.75 mm in diameter, is interstitial to the magnetite and appears to post-date it to some extent. Chlorite forming subhedral bright green, length-slow (likely Fe-rich; F:M perhaps 0.7) flakes to 0.1 mm is intergrown with carbonate (interlocking sub- to euhedral crystals mostly <0.2 mm in diameter, possibly dolomite or ankerite, although the apparent Fe-staining in places may be due to adjacent hematite). Quartz forms subhedral crystals up to 0.7 mm in size, locally aggregating to 1.5 mm and containing rutile as brown euhedra to 0.1 mm long. Sulfides are mainly pyrite as irregular-shaped aggregates up to 1.5 mm across composed of sub- to euhedral crystals rarely over 0.5 mm in diameter. Sericite forms mainly euhedral flakes up to 0.1 mm in diameter. Rutile forms stubby brown subhedra mostly <45 microns long.

Veins up to about 1.5 mm thick consist mainly of quartz (subhedra to 0.5 mm), lesser carbonate (also possibly dolomite and Fe-stained ankerite?; subhedra to 1 mm diameter), chlorite (flakes <50 microns but in aggregates with tabular shapes up to 0.5 mm long), another silicate as skeletal subhedra to 0.7 mm that may be zoisite (normal interference colours), pyrite subhedra to 0.3 mm and bladed euhedra of hematite to 0.25 mm.

In summary, this appears to be a breccia composed of clasts of Kspar partly altered to sericite and carbonate, in a matrix of magnetite (partly oxidized to hematite, with cores full of chlorite), pyrite, chlorite, carbonate, quartz, sericite and minor rutile; veins contain quartz, carbonate, chlorite, possible zoisite, pyrite and bladed hematite.

7: BRECCIA (ATOLL-TEXTURED HEMATITE AFTER MAGNETITE, CHLORITE±SERICITE AFTER FELDSPAR, IN MATRIX OF PYRITE-QUARTZ-CHLORITE-RUTILE±CARBONATE)

Described as possibly clast supported?, with mushketovite? (a pseudomorph of magnetite after hematite); hand specimen shows a fine-grained, likely brecciated, dark purplish-brown rock with abundant oxides and sulfides, the latter principally controlled along the matrix, which etches white in the offcut. The rock is magnetic, but shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

Martite (hematite after magnetite)	35%
(relict magnetite)	5%
Chlorite	35%
Pyrite, marcasite (?)	10%
Feldspar (relict; could be albitic?)	5%
Quartz (secondary)	5%
Sericite	3-5%
Rutile	<1%
Carbonate	<1%

This sample consists mainly of martite pseudomorphs after magnetite (in part cut and replaced by irregular masses of iron sulfide, possibly pyrite and lesser marcasite), in a matrix of chlorite (possibly in part replacing feldspar, locally containing sericite) and lesser quartz plus trace rutile. The breccia texture seen in hand specimen is not evident in thin section due to the heavy replacement by oxides and sulfides.

Former large, relatively euhedral crystals of magnetite up to 3 mm in size are largely oxidized to (pseudomorphed by) hematite, forming “martite”, not mushketovite. I do not see evidence of magnetite pseudomorphing hematite; instead, the euhedral, atoll-textured pseudomorphs of hematite after magnetite, with hematite rims and chlorite-filled cores, are common.

Pyrite forms mainly subhedral crystals <0.5 mm in diameter, in aggregates with irregular to rounded outlines up to about 2 mm across concentrated in patches up to 1.5 cm across. In places the pyrite has a somewhat porous, slightly brownish cast that is reminiscent of “melnicovite-pyrite” (supposedly formed from a gel, and is mixed with a whiter, slightly higher reflectivity phase, both of which are weakly anisotropic (the latter could be marcasite). In general, pyrite-marcasite appears to infill between, and partly replace, the martite pseudomorphs. It is associated with relatively coarse chlorite as flakes up to 50 microns in diameter, secondary quartz as subhedra to 0.2 mm, and rare carbonate (fine-grained masses, mostly <20 microns in diameter, or euhedra to 0.1 mm, possibly of ankerite as suggested by Fe-staining).

Chlorite forming the matrix to the martite crystals occurs mainly as very fine-grained, matted flakes <50 microns in diameter; optical properties (pale green pleochroism and first-order greyish white, length-slow birefringence) indicate a somewhat ferriferous composition (F:M perhaps 0.5-0.6). In places, sericite as somewhat deformed, subhedral flakes mostly <75 microns in diameter are interleaved with the chlorite, locally as patches up to 0.5 mm across that could mark the sites of former feldspar crystals. Some feldspar (which does not stain for Kspar, and therefore may be albitic) locally remains intergrown with chlorite and sericite, suggesting formerly more extensive albite (?) that has been largely retrograded to chlorite and minor sericite. However, traces of rutile, forming euhedral brown crystals up to 0.1 mmlong, commonly intergrown with chlorite, suggest the former presence of mafic minerals as well.

In summary, this appears to be a breccia composed of clasts heavily replaced by atoll-textured martite (hematite after magnetite, with chlorite-rich cores), chlorite and minor sericite (in part after former feldspar), quartz and trace rutile, with a matrix of chlorite, quartz and pyrite/marcasite, trace carbonate).

8: SHEARED/BRECCIATED CHLORITE-SERICITE ALTERED ROCK OF UNCERTAIN DERIVATION (MINOR K?-FELDSPAR, QUARTZ, MAGNETITE/HEMATITE, RUTILE)

Described as chlorite alteration, possibly with intrusive clasts; hand specimen fine-grained, dark grey-green, relatively massive and featureless except for a close-spaced fracture network. The rock is magnetic, but shows no reaction to cold dilute HCl; there is no etched offcut to check for stain for K-feldspar (lost during section re-cutting). Modal mineralogy in thin section is approximately:

Fe-chlorite	65%
Sericite, muscovite	20%
Feldspar (Kspar?, possibly microcline?)	5%
Quartz (secondary?)	5%
Opaque (mainly magnetite, hematite?)	3-5%
Rutile	1%

The section shows a highly chloritic rock that is strongly sheared, but appears to consist of essentially two rock types, one very fine-grained and homogeneous, the other containing disrupted shards and clasts of quartz, feldspar (?) and sericite/muscovite (in part likely after former feldspar) in a matrix of chlorite. Magnetite/hematite is more abundant in the latter. Optical properties of the chlorite in this sample (moderate green pleochroism, anomalous blue, length-slow birefringence) generally indicate a somewhat Fe-rich composition (F:M perhaps 0.6-0.7). This is supported by an abundant network of fine hairline fractures marked by limonite, suggestive of an Fe-rich composition for the chlorite.

In the central, fine-grained portion, randomly oriented flakes of chlorite, sericite/muscovite, and euhedral crystals of medium brown rutile, all <0.1 mm in diameter, plus scattered, highly corroded to skeletal quartz crystals up to 0.5 mm across, are set in a matrix of finer-grained chlorite (subhedral flakes mostly <30 microns in diameter; locally mixed with sericite of similar size). In places there are irregular-shaped, disrupted-looking aggregates up to 0.5 mm across composed mainly of sericite flakes <0.1 mm in diameter, or of chlorite flakes (and minor quartz) to 0.7 mm across. The chloritic aggregates grade in places to elongated, wispy fiamme-like "clasts" up to ~1 cm long, oriented sub-parallel to, and possibly the product of, the shearing. Aggregates up to 1.5 mm across of euhedral opaques, likely mostly magnetite and/or bladed hematite (?) up to 0.35 mm in size, are locally present, particularly near the contact of the fine-grained rock with the coarser-grained rock.

In the coarser-grained portions, relict glomeratic (?) feldspar crystals with ragged, corroded, subhedral outlines up to 2.5 mm across, patches of fine-grained sericite with similar outlines, euhedral opaques up to 1 mm in size, patches of quartz to 1.2 mm, and ragged subhedral flakes or booklets of muscovite to 0.75 mm, are set in a matrix of chlorite and lesser, irregularly distributed sericite both as subhedral flakes mostly <50 microns in diameter. Aggregates to 0.25 mm across of fine-grained rutile (generally mixed with variable opaques) are less common than in the fine-grained portion of the rock. Opaques are generally aggregates with euhedral outlines up to about 1 mm in size, probably mostly partly hematized magnetite, with the abundant chlorite inclusions typical of this suite of rocks. The identity of the feldspar is uncertain; it appears to be optically negative with a moderate to large 2V, and has local twinning, suggestive of K-feldspar such as microcline (cannot be sure since stained portion of offcut was cut off to re-prepare a difficult section). The feldspar is typically partly (to completely?) brecciated and replaced by sericite and chlorite similar to that in the matrix. Quartz aggregates are typically composed of highly deformed sub-grains (with strong undulose extinction and suturing of grain boundaries), also partly altered to chlorite and sericite.

In summary, this is a highly deformed, sheared, chlorite-sericite altered rock of obscure origin but possibly indicative of a former mafic igneous rock such as a layered, fine to coarse tuff, or perhaps merely a disrupted diorite/gabbro (the abundance of rutile supports such an origin; however, if the feldspar is microcline, it would then likely be secondary, after former plagioclase). Similarly, the presence of quartz is unusual in a mafic igneous rock, unless it too is secondary. It might be possible to derive such a rock by severe chlorite-sericite alteration of a brecciated sedimentary rock.

9: BRECCIA OF CARBONATE CLASTS AND CRYSTALS, MARTITE PSEUDOMORPHS, IN MATRIX OF CARBONATE-CHLORITE-CHALCOPYRITE, MINOR QUARTZ, SERICITE

Sectioned to determine sulfide-oxide paragenesis; hand sample shows a dark greenish grey, fine-grained rock of uncertain origin, highly mineralized with chalcopyrite and minor euhedral martite pseudomorphs after magnetite. The rock is locally weakly magnetic, shows minor slow reaction to cold dilute HCl in the white patches or clasts, and no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

Carbonate (mainly ankerite?)	45%
Chalcopyrite (minor sulfosalt, arsenopyrite?)	25%
Chlorite	15%
Martite (hematite after magnetite)	10%
Quartz (secondary?)	2-3%
Sericite	1-2%
Limonite	<1%
Rutile	<1%
Monazite, apatite or allanite (?)	trace

This sample is composed of small (mainly <2, locally to 5 mm) clasts of carbonate (either coarse-grained or medium-grained, possibly derived by brecciation of a carbonate rock) and minor quartz (secondary or could be from a siliceous sedimentary rock), plus scattered large euhedra of martite, cemented by a matrix of fine-grained carbonate, chlorite and sulfide (mainly chalcopyrite).

Carbonate in the larger, rounded clasts is medium-grained (sub- to euhedral interlocking crystals mostly <0.15 mm in diameter and granular (these are likely the larger, white clasts seen in hand specimen that react to HCl, and may be dolomite). Minor quartz as subhedra <0.1 mm in size is interstitial to the carbonate. Traces of rutile (euhedra mostly <25 microns) and limonite (aggregates to 35 microns of amorphous hematitic material) are present. In the smaller, more angular clasts, carbonate mostly occurs as single, relatively coarse, ragged subhedral crystals up to 1.5 mm in diameter that is likely ankerite to judge by the lack of reaction in hand specimen. The carbonate mostly is deformed, as indicated by undulose extinction and sub-grain development, plus local bent twin lamellae. Inclusions of subhedral to irregular quartz crystals and patches of chlorite, up to 0.0.25 mm across, are common.

Quartz forms subhedral to irregular crystals up to 0.6 mm in diameter that could be either secondary, or clasts/detrital grains, it is difficult to be sure whether they are associated with the matrix except that they are very clear and unstrained-looking, and in places are intergrown with sulfides. Flakes of muscovite or sericite up to 0.12 mm in diameter are scattered through the sample; it is not clear if these represent relict detrital flakes or are of secondary origin.

In the matrix, carbonate forms mainly minute interlocking crystals <35 microns in diameter, also likely ankerite to judge by the lack of reaction to HCl in hand specimen. Chlorite occurs in patches up to 0.5 mm across, commonly with euhedral to subhedral outlines that suggest the replacement of a former mafic mineral (perhaps such as amphibole, but this is speculative). The flakes are mostly subhedral, <0.15 mm in diameter, and have optical properties (strong green pleochroism, length-slow weakly anomalous blue birefringence) indicative of moderately Fe-rich composition (F:M perhaps 0.6). Abundant small, dark brownish green pleochroic haloes surround minute (<5 micron) crystals of a mineral with radioactive content (e.g. monazite, apatite or allanite?) included within the chlorite. Minor rutile is locally associated with margins of martite pseudomorphs

Martite euhedra are up to 0.5 cm in diameter, mainly composed of hematite as subhedra to 0.2 mm containing relict magnetite <50 microns across, with sieve texture due to abundant inclusions of chalcopyrite, chlorite, carbonate and quartz (suggesting blastic growth late in the history of formation of the rock). Chalcopyrite, forming subhedral crystals mostly <0.5 mm in diameter, mainly fills interstices between carbonate, quartz and chlorite, ranging from disseminated to net-textured to semi-massive in patches up to several cm long. Traces of a sulfosalt (?) as subhedra to 40 microns, and rare arsenopyrite (?) euhedra to 70 microns are locally intergrown with chalcopyrite, in martite.

10: BRECCIA (CLASTS OF CARBONATE-BARITE-QUARTZ-CHLORITE, POORLY DEFINED MATRIX OF CARBONATE-BARITE-QUARTZ-CHLORITE-PYRITE (AFTER HEMATITE AFTER MAGNETITE)

Submitted to determine parent rock and alteration textures; hand specimen shows a breccia composed of scattered angular to subrounded clasts up to1.5 cm long that are mostly carbonate (react steadily to cold dilute HCl, could be dolomite) in a dark grey-purplish to greenish matrix that is rich in oxides (mainly hematite?) and sulfides (mainly pyrite), plus chlorite and carbonate (that barely reacts to cold dilute HCl). The rock is slightly magnetic, and shows no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

Carbonate (dolomite and ankerite?)	50%
Fe-chlorite	15%
Barite (?)	15%
Hematite	10%
Quartz (secondary)	5%
Pyrite	3-5%
Rutile	<1%
Magnetite	trace

The clasts in this sample poorly defined, apparently composed of carbonate, barite, quartz, and chlorite with relatively minor hematite, or of carbonate, pyrite, quartz, barite and hematite, but it is hard to distinguish them from the matrix of carbonate, hematite, quartz, barite and chlorite.

Carbonate in the clasts forms rounded subhedral glomeratic crystals up to 3 mm in diameter (with poorly defined sub-domains mostly <0.75 mm in size) that show undulose extinction typical of deformation. It contains inclusions of euhedral hematite crystals <0.2 mm in diameter. In what appears to be matrix, carbonate forms subhedral interlocking crystals mainly in the 0.1-0.5 mm size range that could be ankeritic.

Chlorite generally occurs in masses with irregular outlines up to 5 mm across of small matted subhedral flakes mostly <25 microns in diameter. Optical properties (strong green pleochroism, near-zero to length-slow birefringence) indicate a relatively ferriferous composition (F:M perhaps 0.6-0.7). Minor rutile as minute yellow-brown euhedra <20 microns (but rarely to 75 microns) is commonly included in the chlorite.

Barite forms subhedral to rounded or in places irregular crystals up to about 2.5 mm in size, in places intergrown with or containing inclusions of quartz.

Quartz forms subhedral crystals mostly <0.5 mm in diameter, most commonly intergrown with barite or carbonate. The quartz is relatively unstrained (shows no undulose extinction or fracturing).

Hematite occurs mostly as sub- to euhedral, locally bladed crystals mostly <0.5 mm in diameter, but locally in loosely defined aggregates up to 1.5 mm across that are reminiscent of pseudomorphs of former magnetite crystals (although the hematization process is much more advanced than in other samples, where more relict magnetite is generally preserved than the traces seen in this sample).

Pyrite occurs as euhedral crystals or glomeratic aggregates up to 3 mm across. Euhedral inclusions of hematite contained within the pyrite suggest the pyrite may have replaced former hematite.

In summary, this appears to be a poorly defined breccia composed of clasts of carbonate-barite-quartz-chlorite-hematite, in a matrix of similar mineralogy but with more hematite (likely after magnetite; apparently replaced by pyrite). The parent rock is uncertain, but may have been a carbonate-rich horizon.

11: BRECCIA MATRIX OF FE CARBONATE-QUARTZ-MUSCOVITE-MAGNETITE-CHLORITE CUTTING SERICITE-QUARTZ ROCK (MUDSTONE/SILTSTONE?)

Sectioned for alteration and mineralogy; hand specimen consists of what appear to be beige-buff clasts of carbonate that do not react to cold dilute HCl even where powdered (ankerite or siderite?), in a matrix composed largely of white, soft, very fine-grained sericite (?) and disseminated magnetite (partly oxidized to hematite). The rock is magnetic, shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

Sericite	45%
Carbonate (ankerite or siderite?)	35%
Quartz (partly secondary)	15-20%
Magnetite (partly oxidized to hematite)	2-3%
Fe-chlorite	1-2%
Pyrite	trace

This sample consists mainly of what appears more likely (in thin section examination) to be breccia matrix of carbonate and quartz, minor magnetite, chlorite, trace pyrite, cutting a fine-grained, sericite-rich rock which is coarsened along the breccia network.

Carbonate forms sub- to euhedral crystals up to almost 3 mm in diameter (locally glomeratic, composed of sub-domains with slightly undulatory extinction). The crystals or glomerocrysts contain included crystals of quartz up to 0.3 mm long, as well as finer-grained (<0.1 mm) sericite around the margin, suggesting they have grown blastically in place, enclosing the surrounding sericite. Also, sericite around the margins of the carbonate crystals tends to be coarser than that farther away, suggesting the carbonate is in fact part of a hydrothermal matrix that has recrystallized a fine-grained sericitic rock. Coarse-grained flakes of sericite (muscovite) associated with the margins of the carbonate-rich breccia matrix are as much as 0.5 mm in diameter, and are locally associated with quartz. Quartz appears to be secondary and part of this hydrothermal matrix, forming mainly sub- to euhedral crystals up to almost 1 mm in diameter, in places mixed with opaques that are mostly magnetite, partly oxidized at the rims to hematite (and containing inclusions of quartz, carbonate and minor chlorite). Most chlorite, however, is distributed along fractures or margins of the carbonate-quartz breccia matrix. The chlorite forms euhedral flakes mostly <25 microns in diameter with optical properties (strong green to pale yellowish pleochroism, length-slow, anomalous green birefringence) indicative of moderately Fe-rich composition (F:M perhaps 0.6). Very rare pyrite (traces of subhedral crystals <0.12 mm in diameter) is associated with these chloritic fractures.

The sericitic groundmass of the rock is mainly very fine-grained (composed of matted, subhedral flakes mostly <35 microns in diameter, generally with a preferred orientation suggestive of a foliation. In general, the sericite is mixed with lesser amounts of quartz that forms small, ragged sub- to anhedral, ragged crystals (or possibly detrital grains?) possibly indicative of muddy siltstone origin for the rock. In detail, the quartz grains appear to be somewhat controlled along what may be layers or disrupted layers up to several mm thick.

In summary, it appears most likely that a breccia network or matrix of ankeritic or sideritic carbonate, quartz, magnetite (now partly oxidized to hematite), minor chlorite and trace pyrite has cut and recrystallized a fine-grained, likely sedimentary rock composed mainly of silt-sized quartz grains and very fine-grained sericite (mudstone or siltstone).

12: FINE-GRAINED FE-CARBONATE ROCK CUT BY VEINLETS/BRECCIA MATRIX OF CARBONATE-QUARTZ-HEMATITE (AFTER MAGNETITE)-CHLORITE-CHALCOPYRITE

Submitted to determine zoning in magnetite crystals; hand specimen is a fine-grained, massive, homogeneous, buff-coloured carbonate rock (scratchable by steel, but no reaction to cold dilute HCl even when powdered), containing scattered disseminated quartz and magnetite crystals (now partly martite and containing abundant gangue inclusions), cut by irregular fracture networks or breccia matrix associated with recrystallization of carbonate (trace reaction to HCl), minor sulfides (mainly chalcopyrite) and oxides. The rock is only weakly magnetic, and shows no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

Carbonate (ankerite or siderite?)	85%
(calcite or dolomite?)	5%
Quartz (largely secondary?)	5%
Hematite (after magnetite)	3-4%
Chlorite	1%
Chalcopyrite	<1%
Magnetite (relict)	trace

This is essentially a fine-grained carbonate rock (likely mainly Fe-carbonate; calcite or dolomite associated with recrystallization along the fracture veinlets/breccia matrix, with secondary quartz, minor chlorite, and variable magnetite (oxidized to hematite) and minor chalcopyrite.

In the bulk of the sample, carbonate forms interlocking sub- to anhedral crystals mostly <0.15 mm in diameter, likely ankerite or siderite, containing scattered subhedral to skeletal, corroded or ragged quartz crystals up to almost 1 mm in diameter. It is not clear whether these quartz crystals represent detrital grains or are secondary in origin; their distribution suggests they are detrital, but their similarity to obviously secondary quartz in nearby veinlets/breccia matrix casts doubt on this interpretation. Small, apparently disseminated, euhedral crystals of hematite (likely after magnetite) can locally be seen to be associated with the quartz crystals, and with slight coarsening of the carbonate, suggesting the magnetite may in fact also be of secondary origin, related to the veining and brecciation.

Veins and breccia matrix make up only about 10-15% of this sample; the veins are rarely over about 5 mm thick, composed of recrystallized carbonate as sub- to euhedral crystals up to 2 mm in diameter, quartz as sub- to euhedral crystals up to 1.5 mm in diameter, (aggregates to 2.5 mm), chlorite as subhedral flakes mostly <50 microns in diameter (aggregates to 0.25 mm), oxides (hematite subhedra to 0.75 mm) and sulfides (chalcopyrite subhedra mostly <0.25 mm, aggregating to 0.5 mm). Carbonate is locally clearer than carbonate in the rock; and could be in part dolomite or Fe-calcite. Quartz has ragged margins suggestive of it having overgrown and assimilated carbonate at the margins; this is supported by inclusions of carbonate and oxides throughout the crystals. Chlorite has optical properties (moderate green to pale yellow pleochroism, first-order anomalous green, length-slow birefringence generally masked by the colour) indicative of moderately Fe-rich composition (F:M perhaps 0.6).

Martite pseudomorphs of former magnetite (traces remaining, <25 microns in diameter) crystals with euhedral outlines up to 2.5 mm in diameter (some could have been up to5 mm) consist of nearly continuous rims of hematite (bladed euhedral crystals mostly <0.3 mm in diameter) with cores largely filled with gangue inclusions (carbonate, chlorite, and quartz, the same minerals as in the veinlets/breccia matrix). Thus the “zoning” in the “magnetite” crystals is largely due to the replacement of the rims by hematite, and the cores by gangue minerals.

In summary, this appears to be a carbonate rock (mainly ankerite or siderite?) cut by a veinlet network/breccia matrix of coarser, recrystallized carbonate (in part possibly dolomite and/or Fe-calcite), secondary quartz, chlorite, magnetite (now largely oxidized to hematite) and minor chalcopyrite.

13: MUDSTONE/SILTSTONE (FINE-GRAINED SERICITE-DETRITAL QUARTZ) CUT BY VENLETS/BRECCIA MATRIX OF FE-CARBONATE, BARITE, QUARTZ, FE-CHLORITE, MAGNETITE, TRACE PYRITE

Sectioned to determine if albitization is present; hand specimen is buff-white, fine-grained except for veinlets and porphyroblasts of buff-brown Fe-carbonate (react very slowly only where powdered) and black martite (hematite after magnetite), locally with pale green chlorite. The background, whitish rock however is easily scratched by steel, suggesting it is more likely mainly sericite. The rock is only weakly magnetic, and shows no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

Sericite	45%
Carbonate (ankerite or siderite?)	15%
Quartz (partly secondary)	15%
Barite	10%
Fe-chlorite	10%
Magnetite (partly oxidized to hematite)	3-5%
Pyrite	<1%
Rutile	<1%

This sample consists mainly of fine-grained sericite and (presumably detrital) quartz, cut by an extensive veinlet network/breccia matrix of coarse-grained Fe-carbonate, barite, secondary quartz, Fe-chlorite, martitized magnetite and trace sulfides.

The background rock, where least affected by the veining/breccia matrix, shows a local weak foliation and/or lamination, which is caused by concentration and alignment of the sericite flakes, mostly <25 microns in diameter. The interstitial, possibly detrital, quartz grains are more variable in size, ranging from about 20 microns up to about 0.2 mm in diameter (although the largest ones are difficult to separate from secondary crystals near the veinlets/breccia matrix). Locally the quartz may make up to about 15-20% of the background rock, giving the impression of a mudstone/siltstone. Traces of rutile are common but volumetrically insignificant, forming minute pale to almost colourless euhedra <20 microns long. There is no albite present.

The veinlet network/breccia matrix, which makes up about 50% of the slide, occurs in either discrete veinlets up to 4 mm thick, or more diffuse areas up to 1.5 cm thick. The veinlets consist of coarse-grained carbonate and barite in sub-equal proportions, with minor martitized magnetite and chlorite, especially along the margins (selvages). Carbonate forms rounded sub- to euhedral crystals up to 2 mm in diameter (aggregates to over 4 mm), likely ankerite or siderite to judge by the lack of reaction to HCl in hand specimen. Barite also forms somewhat rounded, sub- to euhedral crystals up to about 3 mm in diameter that are locally recrystallized or granulated to finer-grained sub-domains along later fracture systems. Along the margins of the vein, chlorite forms sub- to euhedral flakes mostly <75 microns in diameter, with optical properties (moderate to strong green pleochroism, first-order length-slow birefringence partly masked by the colour) indicative of Fe-rich composition (F:M perhaps 0.67-0.7). Chlorite is intergrown with barite and magnetite. In the diffuse breccia matrix areas, fractured, strained carbonate subhedra up to1.5 mm across, sub- to euhedral secondary quartz up to 1 mm in diameter, chlorite as described above as flakes to 0.1 mm in irregularly-shaped patches up to 2.5 mm across, and minor barite as sub- to euhedral, locally strained (undulose) crystals <0.25 mm in size or along veinlets in quartz, are generally associated with hematized magnetite.

Magnetite forming mainly euhedral crystals up to about 2 mm in diameter is generally partly replaced around the rims or along fractures by hematite (partial martitization) and in addition, is partly replaced (along the veins) by minor pyrite as subhedra mostly <0.12 mm in diameter.

In summary, this appears to be a mudstone or siltstone composed of varying proportions of fine-grained sericite and detrital quartz, cut by a veinlet network/breccia matrix of Fe-carbonate, barite, secondary quartz, Fe-chlorite, minor magnetite (partly oxidized to hematite) and trace pyrite.

14: BRECCIA (?) COMPLETELY REPLACED BY HEMATITE (MARTITE, AFTER MAGNETITE?), BARITE, FE-CARBONATE, SECONDARY QUARTZ, CHLORITE

Sectioned to determine why sample is not magnetic (suspect hematization of the magnetite); hand specimen is a dark grey, fine-grained rock in which abundant hematite can be seen under binocular microscope. There is no reaction to cold dilute HCl even when powdered, and no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

Hematite (largely after magnetite?)	50%
Barite	30%
Fe-carbonate (ankerite/siderite?)	15%
Quartz (mainly secondary)	2-3%
Fe-chlorite	2-3%
Pyrite	trace

This is a strongly altered rock, composed mainly of a granular intergrowth of interlocking crystals of hematite (likely mostly after former magnetite), abundant barite, lesser Fe-carbonate, and minor secondary quartz and Fe-chlorite. Replacement of the protolith rock is virtually complete.

Hematite forms sub- to euhedral, locally bladed crystals mostly <0.25 mm in size, but generally in aggregates with irregular to locally sub- or even euhedral outlines up to 1 mm across; in places these have the typical euhedral shapes of martite pseudomorphs after former magnetite crystals (typically narrow hematite rims around cores of gangue minerals). No magnetite remains contained within the hematite, however. Smaller crystals of hematite (mostly <0.1 mm in size) also occur with barite in veinlets <0.5 mm thick, or breccia matrix. Traces of pyrite (subhedra mostly <0.2 mm in diameter) locally may replace hematite.

Barite is unusually abundant, forming subhedral to irregular, somewhat anhedral crystals mostly <0.3 mm in diameter, but commonly in aggregates up to about 1.5 mm across (interstitial to hematized magnetite crystals), where the barite is intergrown with, or contains inclusions of, minor quartz (sub- to euhedral crystals rarely over 0.2 mm in diameter). Barite also occurs in narrow veins <0.25 mm thick, likely representing remobilization.

Carbonate occurs as rounded subhedral crystals or more commonly aggregates up to about 1 mm in diameter. Lack of reaction to HCl in hand specimen coupled with high relief and brownish colour in thin section suggest it is likely ankerite or even siderite.

Chlorite occurs as sub- to euhedral flakes mostly <0.1 mm in diameter, in aggregates with irregular to subhedral shapes up to about1 mm across, suggestive of replacement of some former mafic mineral such as amphibole (?), or possibly merely the center of former magnetite crystals. Optical properties (moderate to strong green pleochroism, anomalous blue, length-slow birefringence) indicate a relatively Fe-rich composition (F:M perhaps 0.7?). In the aggregates, chlorite is commonly intergrown with lesser Fe-carbonate and barite, as well as minor hematite.

In summary, this is likely a breccia in which the original rock has been completely obscured by almost total replacement by secondary minerals, including hematite (martite, likely mainly after former magnetite), barite, Fe-carbonate, and minor quartz and Fe-chlorite (trace pyrite).

15: BRECCIA: SILICEOUS (SILTSTONE?) AND SERICITIC (MUDSTONE?) CLASTS/MATRIX OF FE-CARBONATE, QUARTZ, CHLORITE, BARITE, HEMATITE (AFTER MAGNETITE)

Sectioned to determine alteration minerals, especially chlorite; hand specimen shows a breccia composed of subrounded to subangular, heterolithic clasts mainly <1 cm in diameter in a green, chloritic matrix. Clasts are mainly pale pinkish buff and siliceous (not scratched by steel), pale green and sericitic (easily scratched by steel), or buff-coloured and scratchable (likely carbonate, but do not react to cold dilute HCl even when powdered). The rock is magnetic, but shows no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

Sericite, muscovite	35%
Quartz (recrystallized detrital, secondary)	30%
Carbonate (ankerite/siderite?)	15%
Fe-chlorite	10%
Barite	5%
Opaque (mainly hematite after magnetite)	5%
(pyrite)	trace
Rutile	trace

In answer to the main question about this section, yes there is lots of chlorite, which with carbonate, quartz, barite, and iron oxides mainly makes up the veinlets/breccia matrix cutting and cementing the clasts. As noted in hand specimen the clasts are mainly silicic (fine-grained quartz), sericitic and possibly carbonate (hard to be sure if the carbonate is only clasts or part of the hydrothermal matrix).

Siliceous clasts with irregular to subrounded outlines up to almost 2 cm across are composed mainly of fine-grained, interlocking subhedral quartz crystals <0.12 mm in diameter, with lesser, mainly interstitial sericite (flakes mostly <25 microns in diameter, but locally to 75 microns, and in patches to 0.1 mm suggestive of former feldspar (?) crystals), and accessory opaques (likely mostly hematite, euhedra <50 microns in diameter), rutile (slender needles <30 microns long). Although the quartz likely is detrital in origin, it appears to have been recrystallized (to subhedral interlocking crystals), likely by the alteration; this is supported by the presence of minor barite (subhedra mostly <65 microns in diameter) disseminated in the clasts. Barite also occurs (as subhedra to 0.5 mm) with carbonate (subhedra to 0.5 mm) in numerous veinlets up to 0.7 mm thick that cut the clasts. Interestingly, chlorite is only present in these same veinlets outside the clasts, i.e. in the matrix which is continuous with the veinlets; opaque oxides, mainly hematite, commonly occur at the front between chlorite and barite-carbonate.

Sericitic clasts have highly sheared, deformed outlines up to 3 mm long and are mostly composed of fine-grained sericite as subhedral flakes <50 microns in diameter commonly aligned with the long axis of the clast (but in places are coarser, almost muscovite, forming bent subhedral flakes up to 0.2 mm in diameter). Some clasts contain variable proportions of quartz and sericite, indicating that the breccia sampled various layers of quartz-rich siltstone to mudstone.

The matrix is mainly composed of variable proportions of carbonate, quartz, chlorite, barite, and opaque oxides. Carbonate, likely an Fe-bearing variety to judge by the lack of reaction in hand specimen, and the presence of darker (higher relief) cores of possible siderite (?) surrounded by possible ankerite (?), forms subhedral crystals mostly < 2, but locally glomeratic (or clasts?) up to about 6 mm in diameter. Quartz forms shattered, strained subhedra up to 1.5 mm in diameter (likely fractured and deformed by late movement, resulting in aggregates with undulose extinction, sub-grain development, and slight suturing of grain boundaries, leading in places to dismemberment of former larger crystals). Chlorite forms sub- to euhedral flakes mainly <0.1 mm in diameter with random orientations, commonly mixed with lesser sericite/muscovite of similar size; optic properties (moderate to strong green pleochroism, weakly anomalous blue, length-slow birefringence) indicate a moderately Fe-rich composition (F:M perhaps 0.6-0.7). Barite forms mainly small subhedra <0.1 mm in size except in the veins crossing the clasts. Opaques are mainly hematite as bladed subhedral flakes <0.25 mm in diameter, but commonly in aggregates replacing former magnetite crystals with euhedral outlines up to 2 mm across (traces remain), with trace pyrite locally occurring peripherally.

16: BRECCIA (CARBONATE CLASTS, POSSIBLY DOLOMITE/FE-CALCITE, ANKERITE?) IN MATRIX OF CARBONATE-QUARTZ-CHLORITE-HEMATITE (AFTER MAGNETITE)-BARITE-PYRITE (AFTER HEMATITE?)

Sectioned to determined if any alteration feldspars (albite, Kspar) are present in the assemblage; hand specimen consists of buff-white (weathering orange-brown) carbonate clasts, with irregular to subrounded outlines to about 1 cm diameter, that react steadily to cold dilute HCl, in a dark matrix of chlorite, abundant iron oxides (magnetic) and lesser iron sulfides; there is no stain for Kspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

Carbonate (dolomite/Fe-calcite, ankerite?)	30%
Quartz (largely secondary?)	20%
Fe-chlorite	20%
Hematite (after magnetite)	15%
Barite	10%
Pyrite	3-5%
Magnetite (relict)	1-2%
Rutile	trace

In thin section, the distinction between clasts and hydrothermal matrix is not always easy. The large clast (over 3 cm long) is mainly composed of carbonate, possibly both dolomite/Fe-calcite and darker (higher relief) ankerite?, but even it is cut in the middle by a zone of quartz, barite, carbonate, and chlorite. The possible ankerite (?) forms sub- to euhedral crystals up to 4 mm across, commonly with abundant inclusions of quartz (and minor hematite) <0.2 mm in size, and rims of quartz, barite (both subhedral, to 0.3 mm) and minor chlorite. The surrounding dolomite/Fe-calcite is generally in the form of granular aggregates of interlocking, sub- to anhedral, <0.2 mm crystals, which (with quartz, and minor chlorite and iron oxides, locally appears to cut the ankerite (?), but this may be merely due to late fracturing and remobilization.

The matrix, which makes up about 50% of the section, consists of variable proportions of chlorite, carbonate, iron oxides, quartz, and barite; it is not always clear whether the carbonate represents actual matrix material or merely dismembered carbonate clast material. Chlorite, with optical properties (moderately pleochroic, pale to medium green, weak anomalous blue, length-slow birefringence) indicating a moderately Fe-rich composition (F:M perhaps 0.6-0.7) forms mainly subhedral flakes <0.1 mm in diameter, in compact felted masses up to several mm across that have irregular outlines not obviously suggestive of former mafic minerals. Carbonate, forming subrounded to irregular crystals up to 3.5 mm in diameter, is intergrown with barite as subhedral crystals up to 2.7 mm long; both are somewhat deformed, as indicated by undulose extinction and sub-grain development, or fracturing. Quartz forms sub- to anhedral crystals mostly <0.35 mm in diameter (not always easy to distinguish from barite unless the two are in contact, especially since both show undulose extinction).

Iron oxide crystals have mainly euhedral outlines up to about 2 mm in diameter that are mainly zoned, with hematite rims <0.25 mm thick and fractured, relict magnetite cores. Sulfides are mostly pyrite, forming somewhat rounded sub- to euhedral crystals < 1.5 mm in diameter, whose shape and distribution is suggestive of their having formed by replacement of former iron oxide crystals; they locally contain inclusions of hematite, or carbonate at the rims, indicative of late blastic growth. Traces of rutile (minute euhedra <20 microns in diameter) are locally included in carbonate.

In summary, this breccia consists of clasts of (recrystallized, altered) carbonate rock (ankerite and dolomite/Fe-calcite?) cut by a breccia matrix/network of secondary quartz, chlorite, barite, iron oxides (mainly hematite after magnetite) and pyrite (possibly late, replacing/including hematite). No feldspar was found in the section.

17: BRECCIA (CLASTS OF SILTSTONE/MUDSTONE) IN MATRIX OF CARBONATE-QUARTZ-CHLORITE-BARITE-HEMATITE (AFTER MAGNETITE)-CHALCOPYRITE

Sectioned to determine clast lithology types, interstitial mineralogy; hand specimen shows irregularly-shaped clasts with angular outlines up to 1.5 cm diameter that are variably greenish and scratchable (sericitic), or grey (siliceous) to pinkish-grey or pink (containing increasing amounts of carbonate, which reacts slowly to cold dilute HCl), in a pale green, chloritic matrix containing minor iron oxides and trace chalcopyrite. The rock is slightly magnetic, but shows no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

Sericite	45%
Quartz (partly secondary)	25%
Carbonate (dolomite, ankerite?)	20%
Fe-chlorite	5%
Barite	2-3%
Hematite (after magnetite, traces of which remain)	1-2%
Chalcopyrite	<1%
Rutile, zircon (?)	traces

Most of the clasts, at least the clearly recognizable ones, consist of variable proportions of sericite and quartz (locally with what appear to be blastic carbonate crystals that may have in part replaced the clasts, and grade to partial to almost complete replacement of the margins of some clasts, adjacent to the matrix of chlorite, carbonate, quartz, barite and iron oxides plus trace chalcopyrite. It is not clear how much of the relatively coarse carbonate and quartz in this matrix is secondary hydrothermal and how much is merely due to comminution of clasts.

In the major clasts, which range up to about 3 cm long, sericite and quartz range in abundance from about 90% sericite, 10% quartz to perhaps 90% quartz, 10% sericite plus accessory carbonate, hematite (after magnetite), chlorite and trace (detrital?) zircon. In the former, sericite occurs as subhedral flakes commonly <15 microns, or mostly <50 microns, but locally up to 0.1 mm, in size, in places aligned (foliated) subparallel to the elongate axis or margins of the clast; quartz is interstitial and mostly <35 microns in diameter; carbonate forms euhedral porphyroblastic crystals as much as 1.5 mm in diameter. In the latter, quartz forms interlocking subhedra mostly <0.15 mm in size, sericite as interstitial flakes mostly <60 microns in diameter (locally in patches up to 0.1 mm suggestive of replacement of former detrital feldspar?), carbonate forms subhedral crystals to 0.25 mm that appear likely to be replacements, hematite forms euhedral crystals to 0.1 mm that have replaced euhedral magnetite up to 0.2 mm in size, chlorite forms subhedral flakes <20 microns in size and rare zircon occurs as stubby euhedra <40 microns long. A minor clast type contains subhedral quartz crystals (or detrital grains?) and carbonate crystals, both up to 0.6 mm in size, in a matrix of quartz and sericite. A few clasts are almost completely replaced by fine-grained chlorite.

The matrix contains comminuted clasts of similar mineralogy, plus carbonate as subhedra to 1 mm, barite subhedra to 1.5 mm (aggregating to 2 mm), quartz as sub- to euhedral, locally scalloped crystals up to 2 mm in diameter, chlorite as irregular patches to 1 mm composed of matted subhedral flakes mostly <60 microns in diameter (strong yellow to green pleochroism, first-order bluish-grey, length-slow birefringence indicating a relatively ferriferous composition, F:M perhaps 0.7), and hematite as aggregates to 1.5 mm that are in part after euhedral magnetite crystals up to 1 mm in size (commonly with inclusions of quartz, chlorite and minor muscovite, all mostly <0.1 mm in diameter). Minor chalcopyrite forming subhedra to 0.2 mm is associated with the oxides in the matrix; traces of rutile form pale yellow-brown euhedra to 30 microns long.

In summary, this breccia consists of clasts composed of variable proportions of quartz (presumably detrital) and sericite (siltstone to mudstone), partly replaced (particularly near margins) by carbonate, chlorite and iron oxides, in a matrix variably composed of chlorite, carbonate, secondary quartz, barite, hematite (after magnetite), minor chalcopyrite and trace rutile.

18: SILTY DOLOMITIC MUDSTONE/DOLOMITIC SILTSTONE CUT BY VEIN NETWORK/ BRECCIA MATRIX OF QUARTZ-CARBONATE-BARITE-CHLORITE-HEMATITE±PYRITE

Submitted for general description of typical host rock; hand specimen is buff-beige to pale greenish in colour, apparently partly carbonate (reacts to cold dilute HCl only after powdering, even on the cut surface), with local (interstitial?) areas of grey quartz (not scratched by steel). Minor disseminated iron oxides are weakly magnetic; there is no stain for Kspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

Sericite, muscovite	40%
Quartz (partly secondary)	35%
Carbonate (ankerite, siderite?)	20%
Barite	1-2%
Chlorite	1-2%
Hematite (after magnetite)	1%
Pyrite	<1%
Rutile	<1%

Even this sample of typical host rock is brecciated and altered along a network of veinlets of quartz, carbonate, and minor iron oxides and sulfides (locally surrounded by narrow haloes of coarsened, recrystallized sericite or muscovite).

The background rock consists essentially of variable proportions of fine-grained sericite and quartz, locally with significant carbonate (that may of two varieties: one with higher relief, possibly siderite, and the other with lower relief, possibly ankerite. Sericite forms subhedral flakes mostly <25 microns in diameter that are generally aligned, imparting a weak foliation to the rock. Quartz forms a lattice or framework of sub- to anhedral crystals mostly <30 microns in diameter, interstitial to the sericite and in places intergrown with carbonate. Minor chlorite is locally intergrown with the sericite, forming minute subhedral flakes mostly <15 microns in diameter, mainly near and along selvages to narrow, possibly folded (?) veinlets <0.3 mm thick composed of barite and lesser quartz and carbonate. Barite crystals are subhedral to skeletal, up to 0.4 mm in diameter. Traces of rutile are disseminated in the background rock, forming minute euhedra mostly <30 microns long.

The major veinlet network/breccia matrix, in irregular patches/veins up to almost 1 cm across, is composed mainly of secondary quartz (subhedral crystals up to about 1 mm long but in patches up to centimeter size), variable carbonate (large, irregularly-shaped crystals up to 5 mm long that may be mainly dolomite or ankerite, but locally contain minor dark reddish brown, sub- to euhedral crystals <0.25 mm in diameter with much higher relief that may be siderite?), minor barite (subhedral crystals or glomerocrysts up to 1 mm long, or aggregates of fine-grained material to 3 mm across), and scattered opaques (mainly hematite after magnetite, originally forming euhedral crystals up to 0.4 mm in diameter; rarely pyrite as subhedra <50 microns in diameter. Minor chlorite (subhedral flakes mainly <30 microns in diameter, with medium green pleochroism, weak anomalous blue, length-slow birefringence indicative of F:M around 0.6) is confined to the margins or selvages of the veinlet networks/breccia matrix, particularly adjacent to barite. Relatively coarse sericite (muscovite) forming euhedral flakes up to 0.15 mm in diameter is locally associated with or forms haloes around the margins of the veining; it may be part of the hydrothermal assemblage, or it may be merely remobilized or likely recrystallized from the surrounding rock.

In summary, this typical host rock consists of silty dolomitic mudstone or dolomitic siltstone that has been extensively altered to relatively coarse secondary quartz, carbonate (possibly mostly dolomite/ankerite and minor siderite), lesser barite, hematite (after magnetite), chlorite and muscovite, and trace pyrite.

19: BRECCIA (CLASTS OF MUDSTONE/DOLOMITIC SILTSTONE, QUARTZ-CARBONATE-BARITE-MINOR MAGNETITE-TRACE CHLORITE-PYRITE ALTERED AND VEINED)

Sectioned to determine alteration mineralogy; hand specimen is white to buff (orange-brown weathering and reacts to cold dilute HCl only where powdered, implying ankeritic carbonate), composed of about 75% subangular to subrounded, somewhat ellipsoidal, heterolithic clasts up to at least 2 cm in maximum dimension, in a matrix containing disseminated magnetite, and cut by narrow veins of orange-brown weathering Fe-carbonate (react to HCl without powdering, may be Fe-calcite). There is no stain for Kspar in the etched offcut, but it does reveal a large, very fine-grained, siliceous clast (not scratchable by steel). Modal mineralogy in polished thin section is approximately:

Sericite	35%
Quartz (partly secondary)	30% subhedra to 0.25 mm
Carbonate (Fe-calcite/dolomite, ankerite?)	30%
Barite	2-3%
Magnetite (slightly oxidized to hematite)	2-3%
Fe-chlorite	<1%
Pyrite	<1%
Rutile	<1%
Tourmaline (schorl)	<1%

The large clast in this section, possibly atypical for most of the clasts, is composed of fine-grained quartz and carbonate (could both be partly detrital and partly secondary or recrystallized; forming interlocking subhedra mostly <0.1 mm and <0.2 mm, respectively) plus lesser sericite (subhedral flakes to 50 microns) and disseminated opaques (mostly magnetite partly oxidized to hematite; euhedra <0.15 mm in diameter) plus traces of rutile (slender euhedra to 30 microns long). The other (smaller) clasts contain more abundant, but variable, sericite (locally up to 70%, mostly <35 microns in diameter) in addition to quartz (mostly subhedral, <50 microns, probably detrital, or scattered larger, euhedral crystals to 0.5 mm that may be secondary). In these clasts, carbonate (subhedra mostly <0.1 mm) is relatively scarce and is probably mostly secondary since it is associated with veinlets marked by coarser sericite (muscovite) as flakes to 0.1 mm. Coarser-grained carbonate (sub- to euhedral crystals up to 2 mm, aggregates to 3 mm), and minor barite (subhedra to 0.75 mm), locally associated with magnetite, are probably secondary, related to the veinlet network/breccia matrix.

The strongest alteration is related to this network/matrix, comprising carbonate (subhedra mostly <1.5 mm in diameter that are mostly clear (ankerite?) but locally contain minor dark (high relief, possibly siderite) cores, quartz as subhedra mostly <0.25 mm in size or euhedra to 1 mm, barite as subhedra to 0.5 mm, and magnetite. Magnetite forms euhedra crystals up to 2 mm in diameter (aggregates to 4 mm) that are generally only partly oxidized to hematite around the rims (hematite forms bladed crystals mostly <0.2 mm in diameter, both here and locally within carbonate). Minor chlorite (euhedral flakes to 50 microns with moderate green pleochroism, anomalous blue, length-slow birefringence indicating F:M perhaps 0.6-0.7) is associated with the margins of carbonate, particularly where barite is present. Rare pyrite forms subhedra <0.35 mm long, also associated with barite.

Pale yellow-brown rutile forms stubby euhedra <50 microns in size, mainly disseminated in sericite-carbonate rock. Rare tourmaline (possibly detrital?) forms stubby euhedra <40 microns long with dark blue pleochroism indicating a schorl composition (F:M perhaps 0.8).

In summary, this breccia is composed of clasts of (presumably) sedimentary rock ranging from mudstone (sericite-quartz) to dolomitic siltstone (quartz-carbonate-minor sericite), altered to quartz, carbonate and minor barite and trace chlorite in association with a veinlet network/breccia matrix of similar secondary minerals (quartz, carbonate, barite) plus magnetite (slightly oxidized to hematite) and trace pyrite.

20: INTENSELY SHATTERED SEMI-MASSIVE/MASSIVE PYRITE (RARE CHALCOPYRITE) WITH GANGUE INCLUSIONS OF QUARTZ-CARBONATE-BARITE-CHLORITE

Sectioned for textures and mineralogy; hand specimen appears to be essentially massive to semi-massive pyrite, but locally containing minor white (red-brown weathering?) rock that do not react to cold dilute HCl, even after powdering. The rock is not magnetic, and shows no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

Pyrite	75%
Quartz (secondary)	10%
Carbonate (ankerite?)	10%
Barite	2-3%
Fe-chlorite	2-3%
Chalcopyrite	<1%
Sericite, muscovite	trace
Monazite or zircon?	trace

This sample consists essentially of massive to semi-massive sulfides (mainly pyrite; only minor chalcopyrite), containing 25% or less of gangue inclusions of quartz, carbonate, barite, and chlorite.

Pyrite forms sub- to locally euhedral crystals up to about 1.25 mm in diameter, but is almost everywhere strongly fractured to intensely shattered or granulated to <25 micron diameter grains. The shattered areas are associated with fine-grained gangue inclusions of quartz, carbonate and minor sericite or muscovite. Chalcopyrite is very restricted in distribution, forming relatively rare subhedral crystals up to 0.5 mm in diameter, locally aggregating to 1 mm, or else rare inclusions in pyrite <50 microns long (these could be remobilized into the pyrite from adjacent chalcopyrite, along fractures).

Gangue inclusions occur in irregularly-shaped areas up to about 8 or 9 mm long in maximum dimension, generally associated with areas of fracturing in the pyrite, and associated with the chalcopyrite. Quartz forms mainly subhedral interlocking crystals <0.25 mm in diameter, in granular aggregates up to 1.5 mm across, locally containing subhedral flakes of sericite or muscovite mainly <0.1 mm in diameter. The quartz patches locally contain, or are veined by, carbonate as subhedral crystals up to about 1 mm in diameter, but in glomeratic aggregates with subhedral outlines up to 2 mm across. This carbonate is likely ankeritic to judge by the lack of reaction to HCl in the hand specimen. Barite forms sub- to euhedral crystals up to 0.7 mm long that are in places difficult to tell apart from quartz (unless the two occur adjacent so relief difference can be compared). Quartz, and to a lesser extent barite, are locally stained reddish at the margins by minute particles of hematite (?), mainly in narrow zones <20 microns thick. Chlorite forms subhedral flakes mostly <50 microns in diameter, in matted aggregates up to 0.5 mm across, with optical properties (moderate green pleochroism, length-slow anomalous blue birefringence) indicating a moderately ferriferous composition (F:M perhaps 0.6-0.7). Minute (5-10 micron) sub- to euhedral inclusions of a mineral with a radioactive content (monazite or zircon?) are surrounded by dark, brownish pleochroic haloes in the chlorite.

In summary, this sample of massive to semi-massive pyrite (rare chalcopyrite) has been intensely shattered, and contains patches of gangue inclusions that are mainly composed of quartz, Fe-carbonate, barite and Fe-chlorite (rare sericite).

21: BRECCIA (>90% CLASTS OF CARBONATE-QUARTZ-SERICITE-KSPAR-HEMATITE-TRACE RUTILE; VEINS/MATRIX OF CARBONATE-QUARTZ-SERICITE-SULFIDES-BARITE)

Sectioned to determine mineralogy and rock type; hand specimen shows a medium- to dark grey, fine-grained rock with a zone (or clast) 1 cm thick by 3 cm long in which narrow layers 1-2 mm thick of alternating grey, buff, and reddish-brown rock are present, cut by what appears to be a vein zone of carbonate and sulfide. The rock is very slightly magnetic (probably due to fine-grained hematite, imparting the grey to purplish cast), reacts to cold dilute HCl only in the buff areas when powdered, and shows extensive stain for K-feldspar in the etched offcut. The offcut also reveals subrounded clasts up to 1 cm in diameter that stain yellow for Kspar, and narrow white veins that do not react to HCl even when powdered. Modal mineralogy in polished thin section is approximately:

Carbonate (ankerite?)	40%
Quartz (partly secondary)	25%
Muscovite, sericite	15%
K-feldspar (secondary?)	15%
Hematite	2-3%
Fe-chlorite	1-2%
Pyrite	1%
Chalcopyrite	<1%
Barite	<1%

This sample appears to be composed of over 90% clasts of variably-textured (laminated to massive), fine-grained, carbonate-quartz-sericite-K-feldspar rock (ankeritic siltstone?) with accessory hematite and minor chlorite. Veins consist of quartz, carbonate, sulfides and minor muscovite, trace barite.

In general, the clasts consist of fine-grained carbonate, quartz, sericite and K-feldspar in variable proportions and textures. The massive clasts are either quartz-rich (composed of subhedral interlocking quartz, Kspar and carbonate crystals mostly<75 microns in diameter plus accessory sericite, hematite and trace rutile, or carbonate-rich (composed of ragged subhedral carbonate to 0.2 mm and subhedral muscovite to 0.1 mm, with interstitial quartz, K-feldspar and sericite all mostly <35 microns in diameter). There is somewhat less Kspar in the latter; it is not clear whether Kspar is secondary. Hematite generally forms small euhedral flakes mostly <0.1 mm in diameter, in places associated or intergrown with trace to minor rutile as minute euhedra mostly <20 microns in diameter.

The layered clasts consist of laminae, mostly <2.5 mm thick, alternately richer in carbonate, quartz, sericite or muscovite, and Kspar (it is not absolutely clear that the “layers” are not selvages or bands in a vein or system of veins, given the similar mineralogy/sub-parallelism to adjacent veins). Carbonate generally forms small, porphyroblastic-looking crystals or aggregates mostly <0.15 mm (rarely to 0.5 mm) in diameter that appear to have grown in place due to hydrothermal activity or recrystallization, later than the fabric of the rock. This is emphasized by the carbonate crystals being surrounded by flakes of sericite. Quartz appears to be intimately intergrown with Kspar and sericite, all forming fine-grained subhedra mostly <15 microns in diameter, interstitial to the carbonate. The most Kspar-rich layer is reddish due to minute finely divided hematite particles, but otherwise has the same fine-grained texture and intergrowth with quartz and sericite. Coarser layers (or veins/vein selvages) consist of carbonate as ragged subhedra to 0.25 mm, intergrown with muscovite to 0.15 mm at the margins, and quartz to 0.1 mm; hematite as bladed euhedra to 0.2 mm is somewhat more concentrated in these coarser layers, chlorite (F:M ~0.6-0.7?) forms subhedral flakes to 0.2 mm.

In the veins, which are sub-planar to irregular, locally poorly defined (more replacements than fillings) and up to 2 mm thick, quartz forms euhedral crystals up to almost 1 mm in diameter, locally containing minor barite as subhedra to 0.2 mm, and commonly surrounding (in pressure shadows) sulfides. Pyrite forms mainly euhedral crystals up to 3 mm in diameter, containing inclusions of hematite <0.1 mm in size (suggesting late blastic growth of pyrite, overgrowing and incorporating the same hematite as found in the rock). Minor chalcopyrite, forming irregular to subhedral crystals up to0.35 mm long, is associated with the margins of pyrite, or gangue inclusions within it. Carbonate forms subhedra to 1 mm long; muscovite forms flakes up to 0.15 mm in diameter.

22: BRECCIA (SERICITIC, MUDSTONE? CLASTS IN HYDROTEHRMAL MATRIX OF QUARTZ-CHLORITE-HEMATITE-MINOR FE CARBONATE-BARITE-RUTILE)

Sectioned to identify dark minerals; hand specimen shows a dark grey, very fine-grained, relatively massive, homogeneous-looking, but likely brecciated rock containing minor pyrite that seems to be associated with the brecciation. The rock is easily scratched by steel, but only weakly magnetic, shows no reaction to cold dilute HCl even where powdered, and no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

Sericite, muscovite	45%
Quartz (largely secondary)	25%
Chlorite	20%
Hematite	3-5%
Carbonate (ankerite?)	<1%
Barite	<1%
Rutile	<1%
Monazite/zircon?	trace

The dark colour of this rock is clearly due to the abundance of fine-grained, disseminated hematite in a matrix rich in sericite, quartz and chlorite (only minor carbonate, barite, trace rutile). The quartz is generally coarse and looks secondary, associated with coarser sericite (muscovite) and patches of chlorite that are suggestive of an evenly distributed, extensive veinlet network/breccia matrix of hydrothermal origin. Vaguely defined, angular clasts up to1 cm across are outlined by the matrix.

In the least altered, "background" rock, the bulk of this sample consists of fine-grained sericite as sub- to euhedral flakes mostly<20 microns in diameter, with random orientations. However, the sericite is everywhere coarsened adjacent to and in the breccia matrix, to mainly euhedral flakes up to 0.15 mm in diameter. Quartz generally forms subhedral crystals or detrital grains <50 microns in diameter in the background rock, making up perhaps 10-20% of the total. Hematite is abundant, forming subhedral crystals mainly <50 microns in diameter but commonly coarsened adjacent to the hydrothermal breccia matrix. Chlorite is restricted to "spots" mainly <0.15 mm across, composed of subhedral flakes <60 microns in diameter.

In the breccia matrix, grain size is considerably coarsened, chlorite and quartz are much more abundant, and there are traces of carbonate and barite. Patches of chlorite up to almost 2 mm across are composed of subhedral flakes mostly <65 microns in diameter, generally mixed with secondary quartz as subhedra up to about 0.15 mm in size. Chlorite optical properties (pale green, weakly pleochroic, near-zero birefringence) indicate a median composition (F:M perhaps 0.5?). The chlorite locally contains traces of a mineral with radioactive content (monazite or zircon?) as minute euhedra <10 microns in diameter, marked by brownish pleochroic haloes. Muscovite flakes are euhedral, up to almost 0.2 mm in diameter; quartz forms euhedral crystals up to 0.3 mm long. Hematite occurs in aggregates up to 0.3 mm long. Very minor carbonate (possibly ankerite to judge by lack of reaction in hand specimen) forms subhedra <0.1 mm in diameter, and barite form subhedral crystals up to 0.3 mm long, both mainly in narrow veinlets.

Rutile occurs as scattered euhedral crystals up to 0.1 mm long with pale yellow-brown colour that appear to be associated with the hydrothermal alteration network or matrix, suggesting alteration strong enough to mobilize TiO2, or as smaller (30 micron long) clear euhedra that might be primary (?). Pyrite does not occur in the section, although it is in the hand specimen.

In summary, this appears to be a breccia composed of sericitic (mudstone) clasts strongly altered to quartz-chlorite-hematite-minor Fe carbonate-barite-trace rutile(-pyrite), along and near an extensive hydrothermal matrix; the dark minerals are mainly hematite and chlorite.

23: BRECCIA: STRONGLY ALBITE(?)-SERICITE ALTERED ANGULAR CLASTS IN MATRIX OF FE CARBONATE-FE CHLORITE-HEMATITE (AFTER MAGNETITE)-PYRITE-BARITE

Sectioned to determine oxide mineralogy and textures; hand specimen shows a breccia, with clearly defined, heterolithic, mainly angular clasts up to about 1.5 cm in diameter in a veinlet network/breccia matrix enriched in iron oxides, chlorite, and minor pyrite. Clasts range from bright orange-red to very fine-grained, pale grey-white (softer than steel, likely sericitic) to dark grey (react slowly to cold dilute HCl where powdered). The rock is magnetic, but shows no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

Secondary alkali feldspar (albitic?)	35%
Sericite, muscovite	20%
Carbonate (ankerite?)	15%
Fe-chlorite	10%
Hematite (mainly after magnetite)	10%
Alkali feldspar (possibly hematite-stained albite?)	3-5%
Pyrite	<1%
Barite	<1%
Tourmaline (schorlitic)	<1%
Rutile	trace

The clasts in this sample are strongly to intensely altered, to a mixture of secondary alkali feldspar (likely albitic, although this is difficult to prove since there appears to be no quartz present, to compare refractive indices with), sericite (muscovite) and carbonate, in association with a breccia matrix of chlorite and hematite (after magnetite), trace pyrite, barite.

Clasts, irrespective of their colour, are almost uniformly altered to abundant albitic feldspar, with variable sericite, carbonate chlorite and hematite depending on the proximity to the adjacent breccia matrix which is richer in these minerals. The feldspar forms mainly subhedral (locally euhedral) interlocking crystals up to about 1 mm diameter, generally but not always twinned, with extinction on 010 up to 16 degrees suggesting an albitic composition. Surprisingly, no quartz could be detected by relief differences. The identity of the smaller, interstitial, reddish (hematite-stained) crystals which are mostly <0.35 mm in diameter is also uncertain; they look like the Kspar seen in #21, but given the lack of yellow stain in the etched offcut, and the similarity in relief to the albite, it may be that they are merely hematite-stained albite (or that the Kspar stain failed in this case?). Sericite occurs as minute flakes mostly <35 microns in diameter in the albitic feldspar, and as larger flakes (muscovite) up to 0.1 mm outside the crystals, or intergrown with carbonate that forms irregular to subhedral crystals up to 0.35 mm that are likely ankeritic to judge by the lack of reaction in hand specimen. Minor greenish tourmaline (schorlitic, F:M perhaps 0.7) forms euhedral crystals to 50 microns long in the feldspar.

Most of the carbonate, and the chlorite, is closely associated with the hematite-rich breccia matrix. Carbonate forms subhedra up to 0.5 mm in diameter. Chlorite forms sub- to euhedral flakes mostly<25 microns in diameter but commonly in aggregates or patches up to 0.75 mm across. Optical properties (bright green pleochroism, first-order anomalous bluish, length-slow birefringence) indicate a relatively ferriferous composition (F:M perhaps 0.7). Traces of rutile occur as minute rounded euhedra <20 microns in diameter, mostly included within chlorite of the matrix, suggesting that alteration was strong enough to mobilize TiO2. Most of the hematite, forming sub- to euhedral crystals up to 0.35 mm in size but in crudely subhedral aggregates suggestive of former magnetite crystals up to 3 mm across, contains minute (mainly <15, rarely to 30 micron) corroded relict magnetite inclusions, indicating that the hematite is mostly martite, pseudomorphous after magnetite. Traces of pyrite (<35 microns in diameter) occur along fractures in the hematite, or as strings of larger, shattered crystals up to 0.2 mm in diameter along fractures cutting the matrix and hematite. Minor barite occurs as subhedra <0.1 mm in diameter, in narrow veinlets <0.1 mm thick locally associated with chlorite.

24: BRECCIA: MUDSTONE/SILTSTONE CLASTS, PARTLY REPLACED AND INVADED BY MATRIX OF ALBITE?-CARBONATE-HEMATITE-CHLORITE-SERICITE, RUTILE

Sectioned to determine lithic fragment composition, interstitial mineralogy, alteration; hand specimen is a fine breccia composed of small angular clasts mainly of three types: buff-white carbonate (slow reaction to cold dilute HCl unless powdered), salmon-pink to brick-red (possibly alkali feldspar, but no stain for K-feldspar) and pale grey, very fine-grained, partly scratched by steel (likely mudstone/siltstone) in a dark matrix that likely includes significant hematite (weakly magnetic) and probable chlorite. Modal mineralogy in polished thin section is approximately:

Carbonate (dolomite-ankerite?)	35%
Plagioclase (albitic?)	35%
Sericite, muscovite	10%
Quartz (?), possibly detrital	10%
Hematite	5%
Chlorite	3-5%
Rutile	<1%

As indicated from hand specimen examination, this sample consists of roughly 1/3 each of alkali feldspar, fine-grained mudstone/siltstone clasts up to about 1 cm in diameter composed mainly of sericite and quartz, accessory hematite, and coarse-grained carbonate (clasts or matrix?), in a hydrothermal matrix (hematite, chlorite, sericite/muscovite, trace rutile). Rarely, fine-grained siltstone clasts are quartz-rich or carbonate-rich; the latter could be silty dolostone or could represent carbonate replacement of siltstone.

Carbonate generally forms subhedral to somewhat rounded euhedral crystals, or aggregates, up to 5 mm in diameter, likely dolomite or ankerite to judge by the lack of reaction to acid in hand specimen. It is not clear whether these represent clasts (partly recrystallized), or are part of the hydrothermal matrix; in some ways they appear to have characteristics of both. That is, they are discrete areas (like clasts) but form relatively coarse, euhedral crystals as if they were hydrothermal.

Similarly, feldspar is clast-like in its distribution, but the relatively coarse grain size and shape of the crystals suggest it could be secondary, hydrothermal. Feldspar forms sub- to locally euhedral crystals mainly <2 mm in size, but in aggregates up to 6 mm long, generally twinned, with extinction Y^010 up to 15 degrees indicating a likely albitic composition (An0-5) although the refractive index cannot be compared with quartz (never directly in contact). Traces of dust-like inclusions (sub-micron size) likely of hematite, probably account for the pink/red colour in hand specimen.

Fine-grained sedimentary rock clasts consist of variable proportions of mud- or silt-sized sericite, quartz, and locally carbonate, plus accessory hematite mostly <0.1 mm in diameter. Sericite forms subhedral flakes mostly <20 microns in size, quartz forms subhedral to irregular, ragged crystals or detrital grains up to 0.1 mm in diameter, and carbonate forms subhedral crystals mostly <0.1, but (at the borders of clasts, where it is associated with coarser hematite) up to 0.5 mm. Thus it seems possible that part of the carbonate could be a replacement.

The hydrothermal part of the matrix consists of euhedral flakes of hematite up to1.7 mm(local outlines suggestive of former magnetite; intergrown with carbonate and albite), patches (mostly <0.5 mm across) of chlorite as subhedral flakes mostly <50 microns in diameter, plus the carbonate and albite of uncertain origin, and scattered flakes of sericite (muscovite) to 0.15 mm (not certain if these are part of the matrix or not since they could also have been detrital flakes of white mica). Fine-grained sericite may be due to brecciation and shearing out of sericite-rich mudstone clasts (?). Chlorite optical properties (pale green, near-zero to first-order, weakly anomalous bluish grey, length-slow birefringence) indicate a median composition (F:M perhaps 0.5-0.6?). Traces of rutile, typically associated with chlorite, form euhedral pale yellow-brown crystals up to 50 microns in size.

To sum up, although the distinction between clasts is not clear, my guess is that mudstone and siltstone clasts (possibly partly dolomitic) are partly replaced and invaded by a hydrothermal matrix of carbonate, albitic feldspar, hematite, chlorite, sericite/muscovite, and trace rutile.

25: BRECCIA: SERICITIC (MUDSTONE) OR SILICIC (SILTSTONE) CLASTS ALTERED TO "SPOTS" OF KSPAR, ALBITE, CARBONATE, PYRITE, HEMATITE (AFTER MAGNETITE), SIMILAR TO MATRIX OF KSPAR-ALBITE-CARBONATE-QUARTZ-PYRITE-CHLORITE

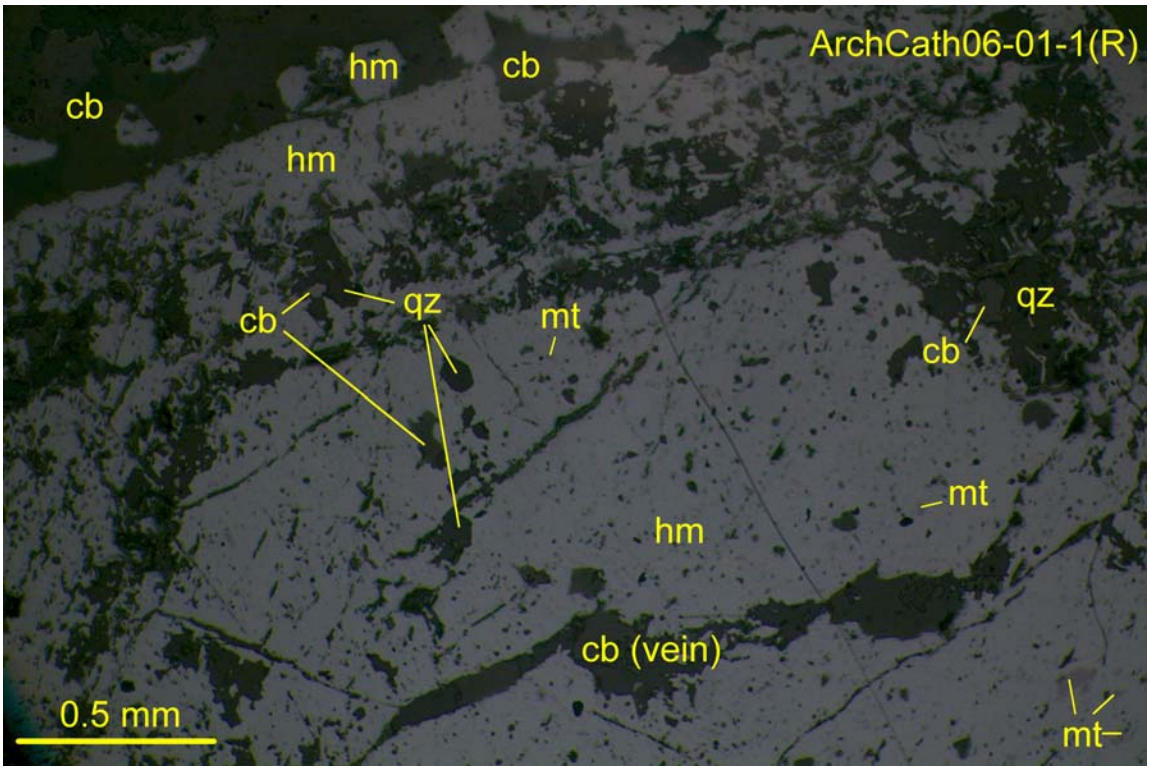
Sectioned to determine alteration; hand specimen is composed of grey-white clasts with irregularly shaped, subangular outlines up to about 2 cm across, and pinkish-white clasts/crystals of alkali feldspar (likely albite; no stain for Kspar except at margins), in a matrix of carbonate (only reacts to cold dilute HCl where scratched, or along narrow late veinlets), K-feldspar (noticeably stronger at the margins of the clasts, indicating it is likely secondary), minor sulfides and hematite (slightly magnetic). Modal mineralogy in polished thin section is approximately:

Sericite	35%
Quartz (relict detrital, also secondary?)	25%
Carbonate (dolomite/ankerite?)	15%
Secondary alkali feldspar (albitic?)	10%
K-feldspar (microcline, mainly secondary?)	10%
Hematite (after magnetite)	1-2%
Pyrite (partly oxidized to jarosite)	1-2%
Chlorite	1%
Tourmaline (schorlitic)	<1%
Garnet (?)	trace

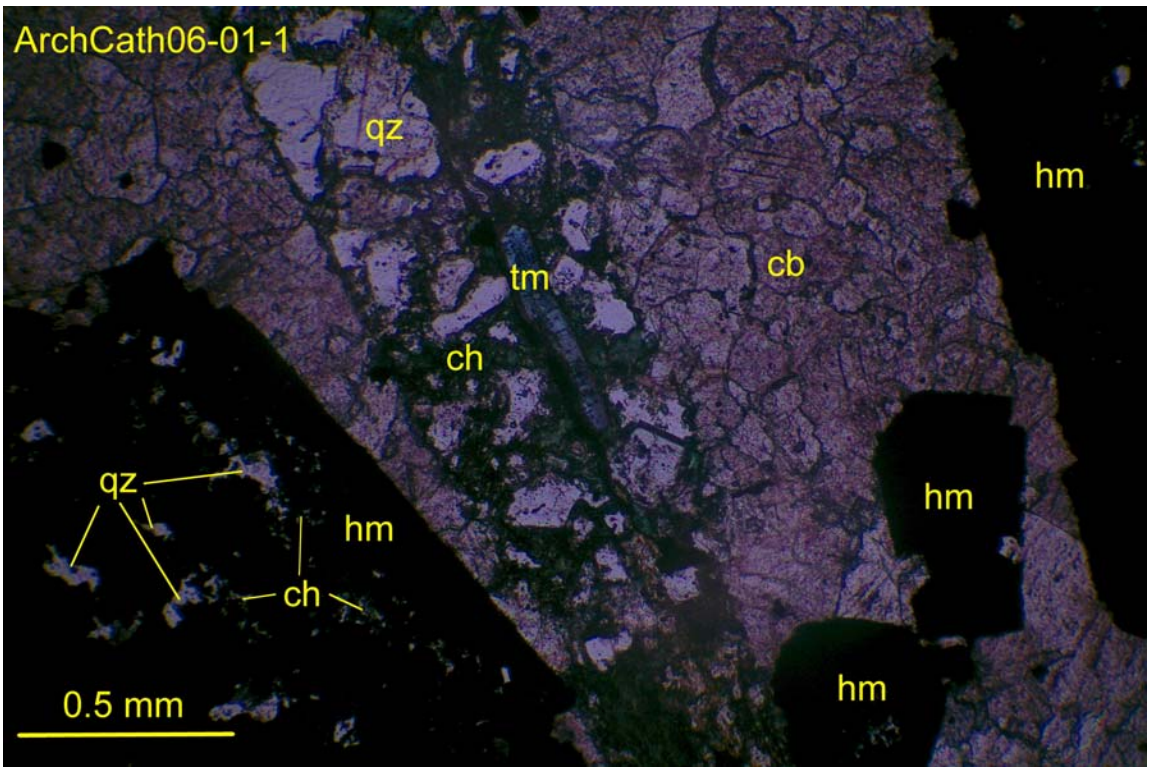
In this sample, clasts (composed mainly of fine-grained sericite, quartz, and variable carbonate plus accessory sulfides and hematite) appear to be strongly replaced around the margins by alkali feldspar (albite and Kspar) spreading from the matrix; part or most of the carbonate and sulfides may also be part of the replacement process. Clasts within clasts are a common occurrence.

In the largest, best-defined clasts, very fine-grained sericite (subhedral flakes mainly <35 microns in diameter) predominates, with essentially random orientations. Variable quartz (possibly detrital) is present, forming ragged subhedra mainly <0.1 mm in diameter, but it is difficult to distinguish from alkali feldspar, and thus to quantify, since it is similar in appearance to fine-grained, untwinned secondary alkali feldspar unless it is in contact with feldspar to compare refractive indices with. Variable carbonate forming ragged subhedra up to about 0.2 mm in diameter may be partly or wholly secondary, related to alteration in the nearby matrix. As support of this, commonly-occurring "spots" in the clasts have rounded to irregular outlines up to about 2 mm in diameter, composed of alkali feldspar (Kspar and albite), associated with Fe-carbonate, sulfides, and locally hematite. In the spots, alkali feldspar (locally with "grid" twinning of microcline) forms subhedra mostly <0.15 mm in diameter, carbonate (typically stained by limonite, indicating an ankeritic composition) forms ragged subhedra to 0.2 mm, and pyrite forms aggregates to 0.5 mm of 0.12 mm subhedra; hematite (partly replace by pyrite) forms pseudomorphs after magnetite crystals, (euhedral outlines up to 2.5 mm). It seems likely that these spots represent incipient alteration of the clasts to the same minerals as occur in the matrix; thus carbonate, alkali feldspar, and pyrite probably are mostly secondary. In contrast with other samples in this suite (1-23) in which quartz is commonly partly to largely secondary, in #24 and 25, secondary quartz in this sample appears to be minor, its place possibly being largely taken by secondary alkali feldspar. Within the large clasts, internal clasts have angular to subrounded outlines up to 3 mm in size, composed mainly of albitic feldspar, or fine-grained sericite (mudstone chips in siltstone) or of more quartz-rich rock (siltstone chips in mudstone), and it is commonly the latter (the more siliceous ones) that appear to be replaced by the "spots".

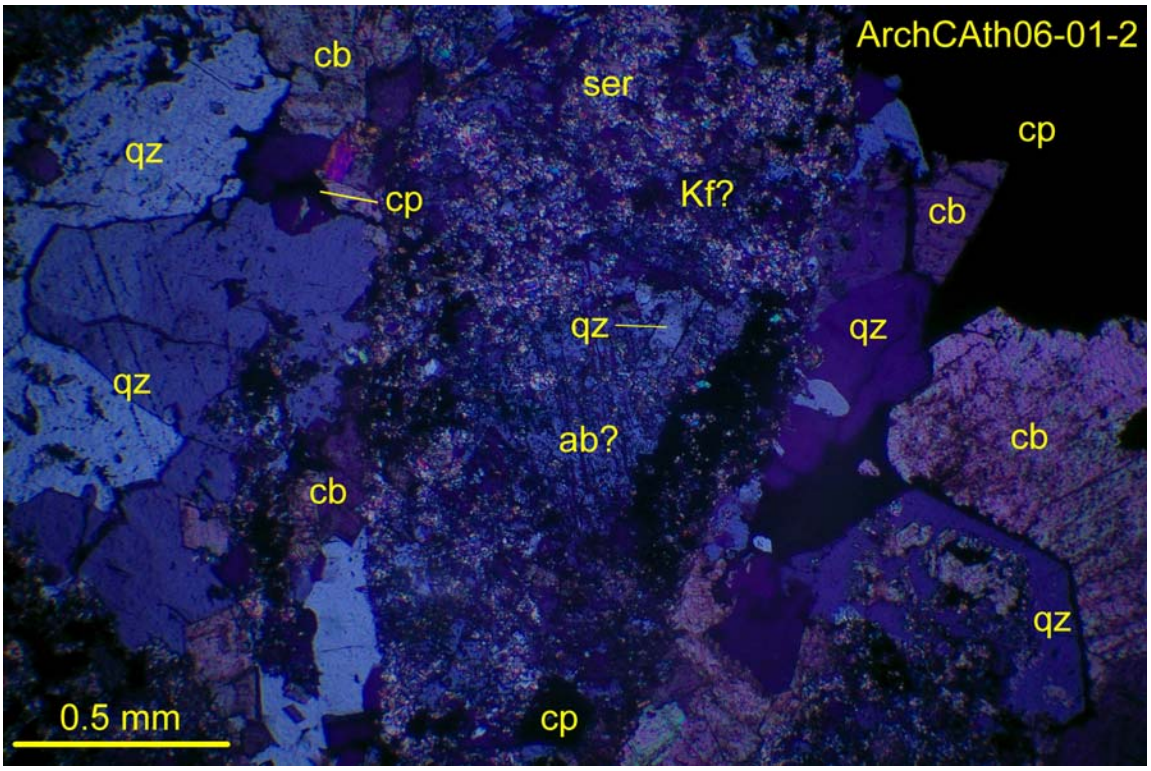
The hydrothermal matrix consists largely of alkali feldspar, either Kspar (microcline subhedra to 0.3 mm) or albite (subhedra to 1.6 mm), carbonate (ankeritic subhedra mostly<0.15 mm), local pyrite (euhedra mostly <0.1 mm, locally oxidized to jarosite) and rare garnet (euhedra to 0.1 mm). Traces of green (schorlitic) tourmaline as subhedra to 50 microns may be secondary or relict detrital. In places, there appears to be minor secondary quartz present in or associated with the matrix, as either fine-grained (<0.15 mm) or coarse-grained (to 0.75 mm) sub/euhedral crystals, intergrown with alkali feldspar and carbonate. Traces of chlorite form subhedral, pale green flakes <25 microns in size.



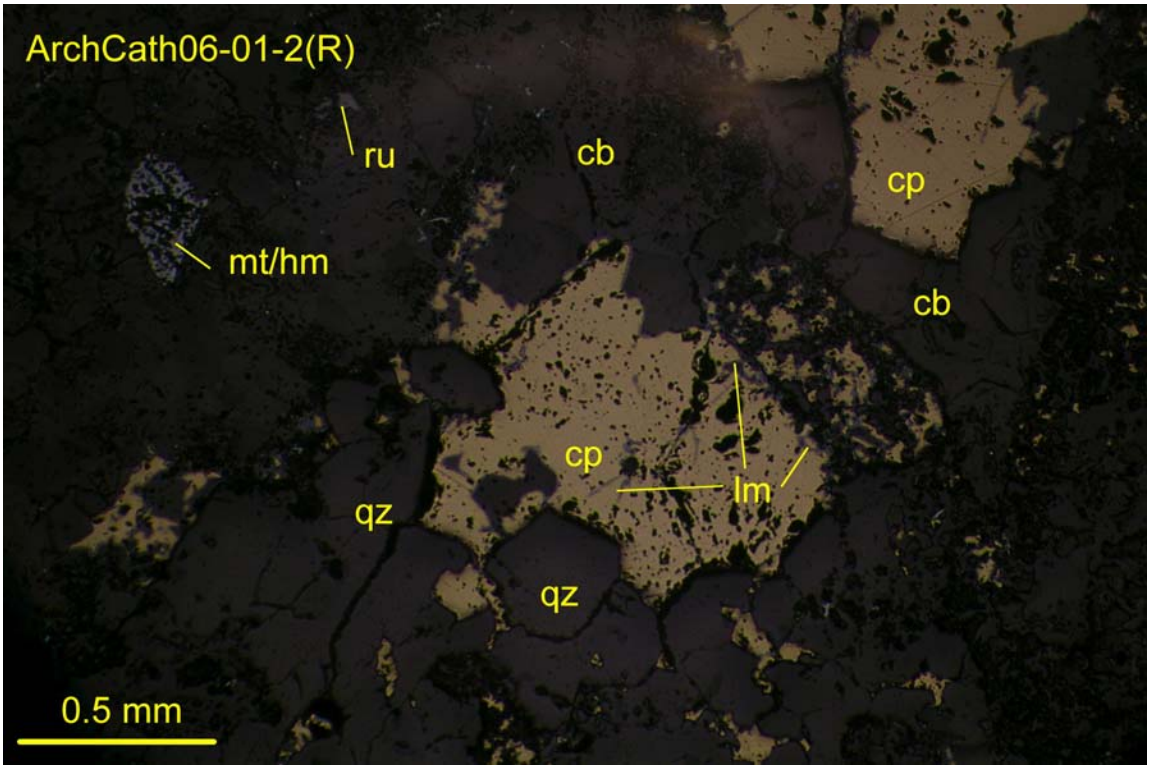
1 (R): Large “martite” pseudomorphs of hematite (hm) probably after magnetite, rarely containing trace magnetite (mt, almost too fine to see at this scale) and displaying zonal arrangement of gangue inclusions (quartz, qz, and carbonate, cb) especially near the rims, in matrix of carbonate. Reflected light, uncrossed polars, field of view 2.75 mm wide.



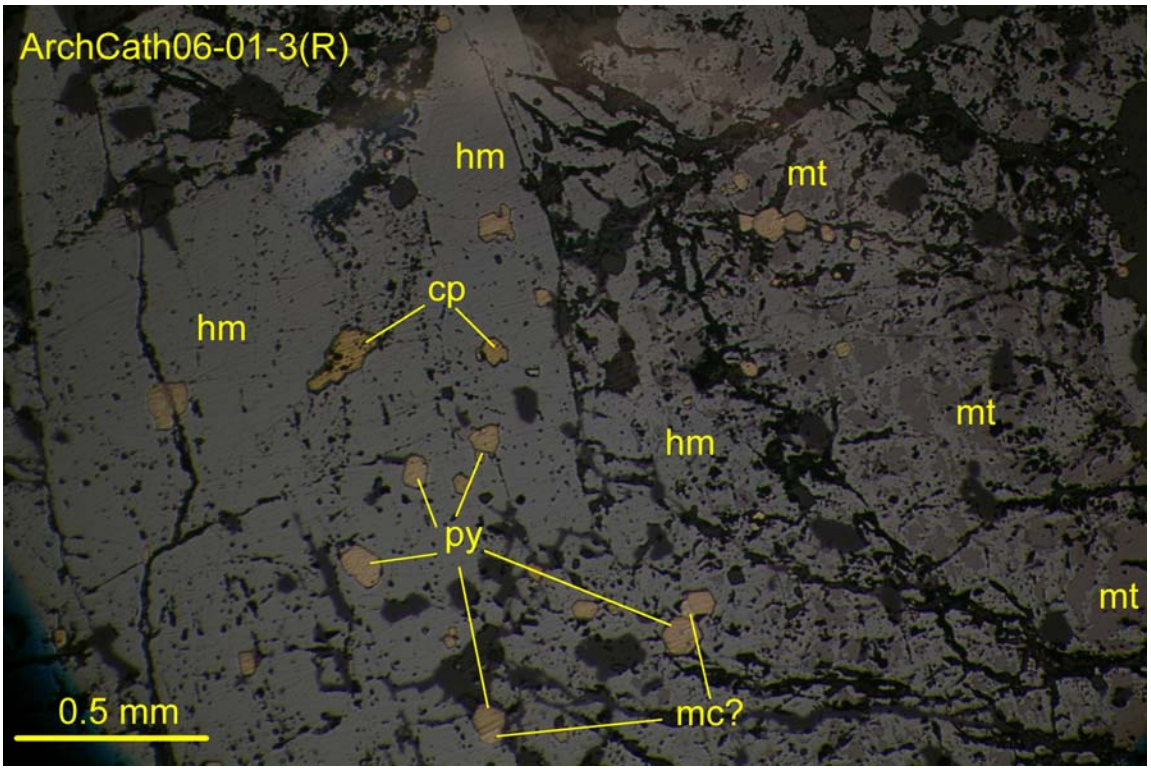
1: Matrix between opaque martite pseudomorphs, composed mainly of carbonate (cb) with elongate pseudomorphs of quartz (qz) and chlorite (ch), possibly in part after amphibole or tourmaline, traces of which remain as slender euhedral bluish crystals (tm); note Fe-staining in carbonate in pseudomorph. Transmitted plane light, field of view 3 mm wide.



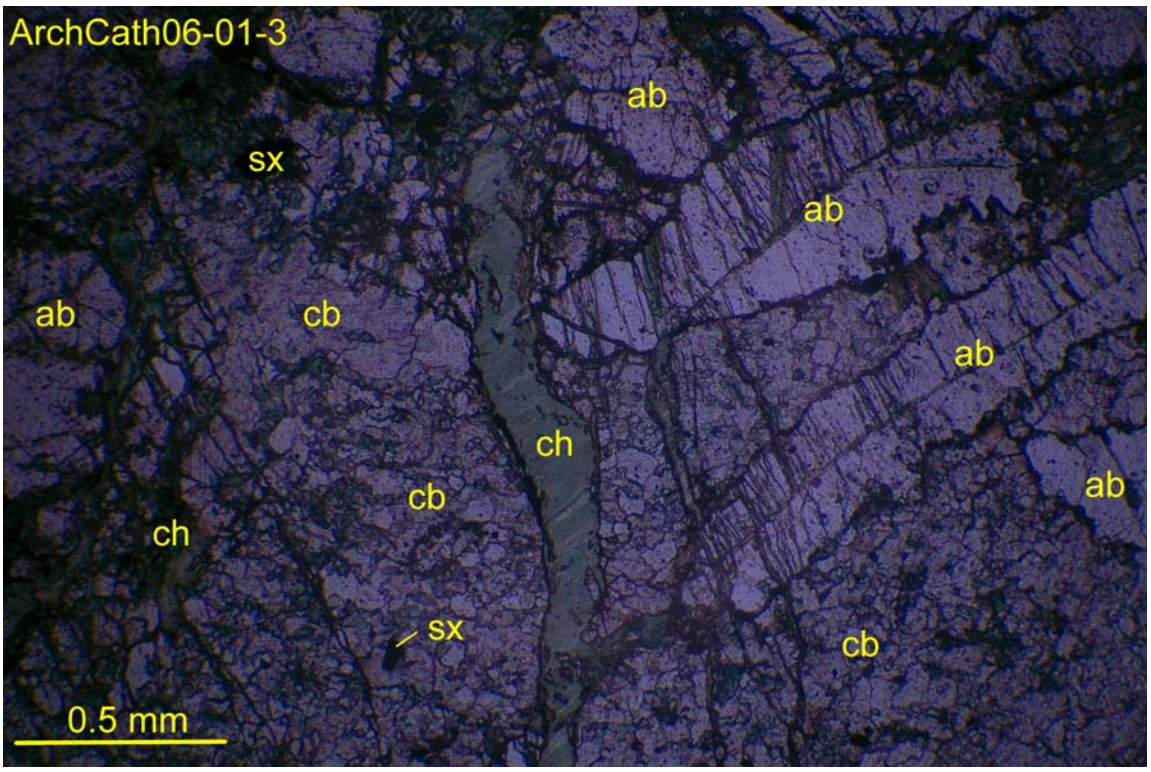
2: Veins or breccia matrix of quartz (qz), carbonate (cb) and chalcopyrite (opaque) cutting wallrock strongly altered to fine-grained carbonate, patches of sericite (ser) and alkali feldspar that varies from twinned (albite, ab?) to untwinned (Kspar, Kf?). Transmitted light, crossed polars, field of view 3 mm wide.



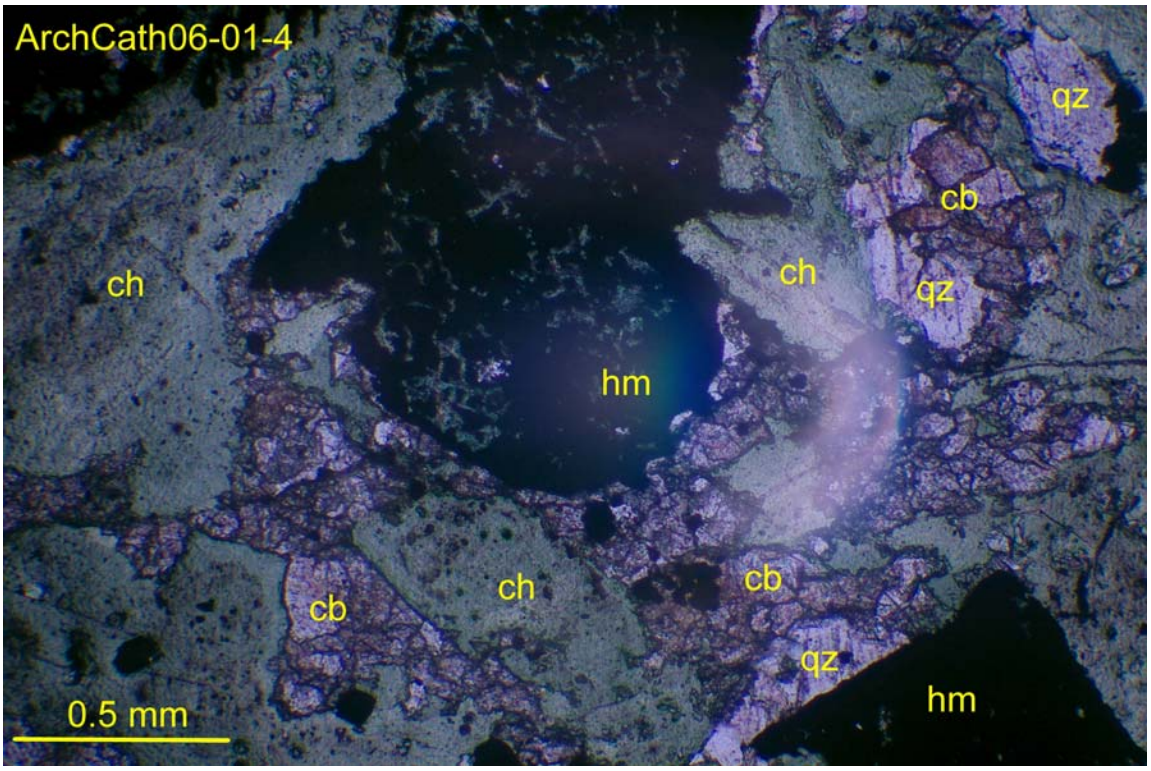
2(R): Coarse-grained euhedral chalcopyrite (cp), oxidized to traces of limonite (lm), in quartz (qz)-carbonate (cb) vein or breccia matrix locally containing minor hematized magnetite (mt) and trace rutile (ru). Reflected light, uncrossed polars, field of view 2.75 mm wide.



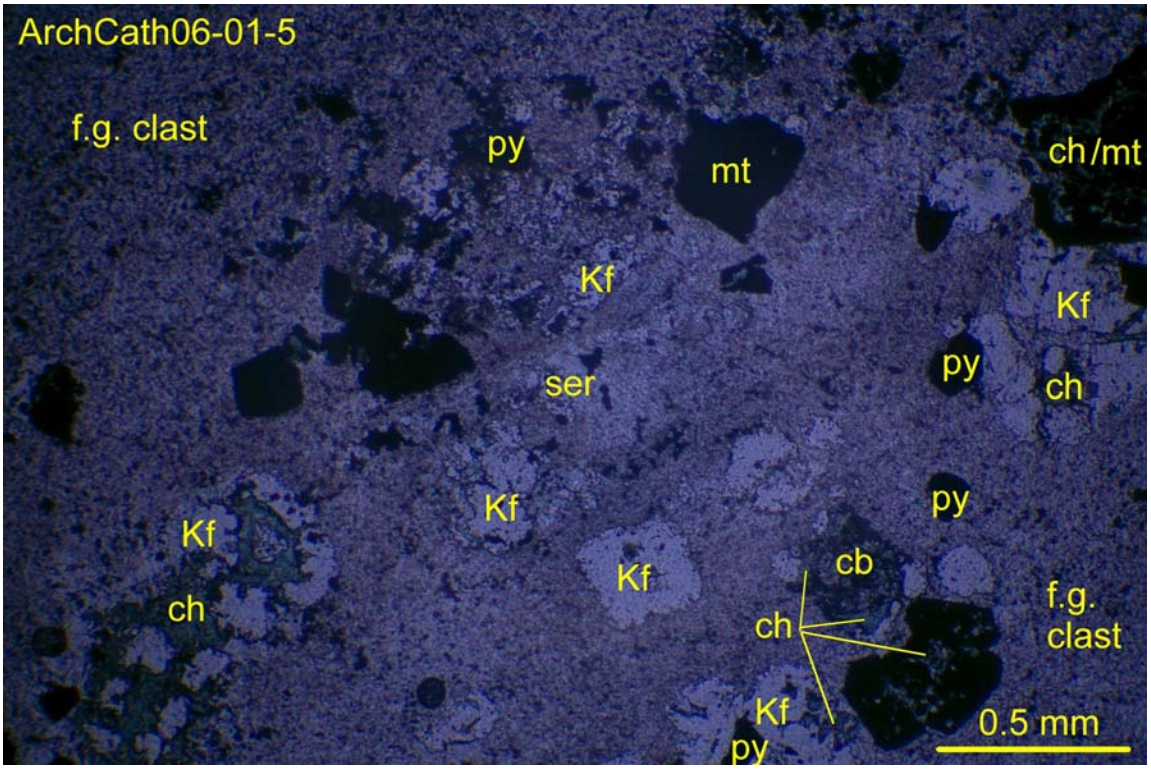
3 (R): Corroded relict remnants of magnetite (mt) contained within and replaced by hematite (hm, locally forming large bladed crystals). Both magnetite and hematite contain minor euhedral pyrite (py), trace marcasite (mc?) and subhedral chalcopyrite (cp). Included gangues are mostly quartz and chlorite. Reflected light, uncrossed polars, 2.75 mm wide.



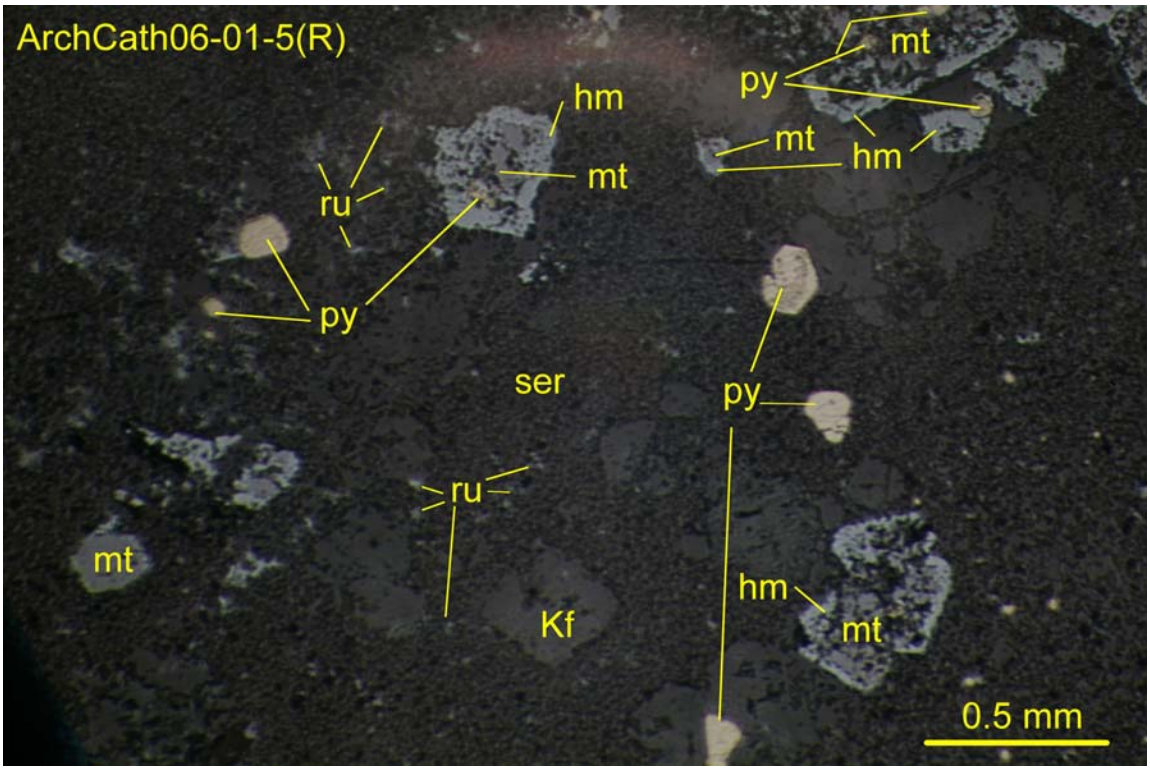
3: Bladed, fractured, locally bent plagioclase, likely albite (ab) crystals in matrix of carbonate (cb), both cut by network of bright green Fe-chlorite (ch) which also locally outlines the plagioclase crystals. Minor opaques are mostly sulfides (sx). Transmitted plane light, field of view 3 mm wide.



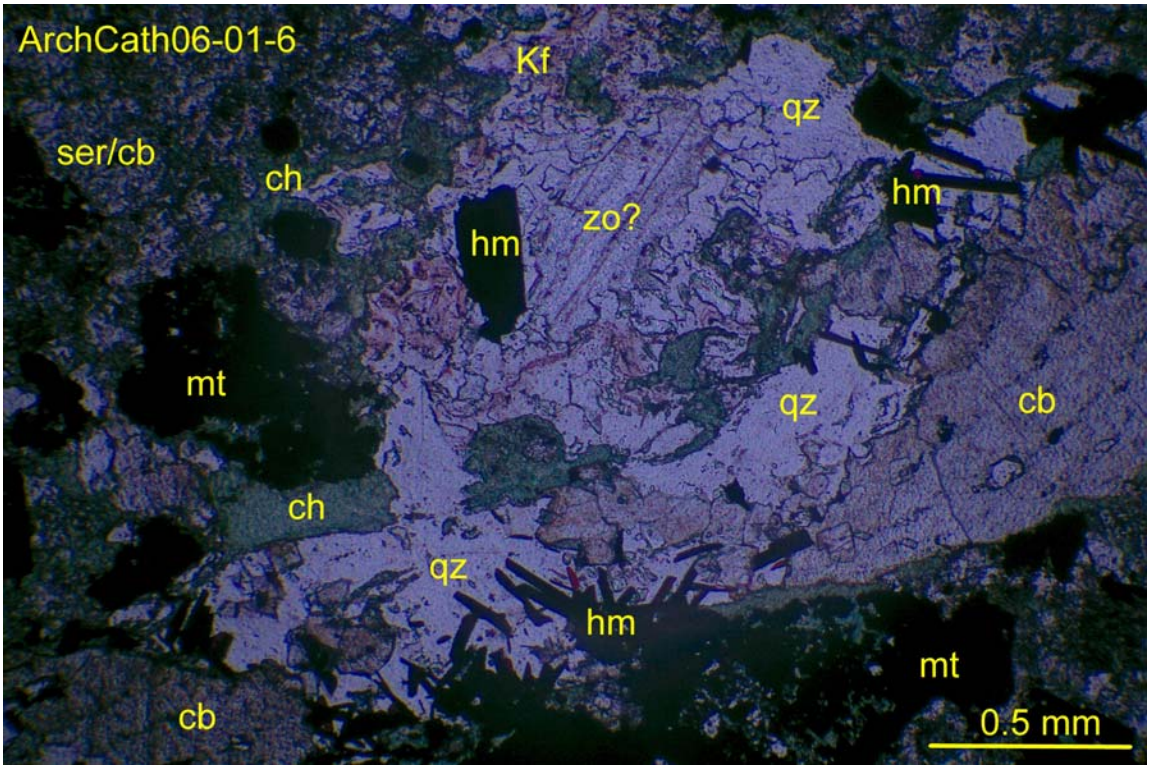
4: Possibly strongly altered rock of mafic intrusive derivation, now composed only of bladed chlorite (ch) pseudomorphs, hematite pseudomorphs after magnetite (opaque), and minor quartz (qz) in a matrix of carbonate (cb). Transmitted plane light, field of view 3 mm wide.



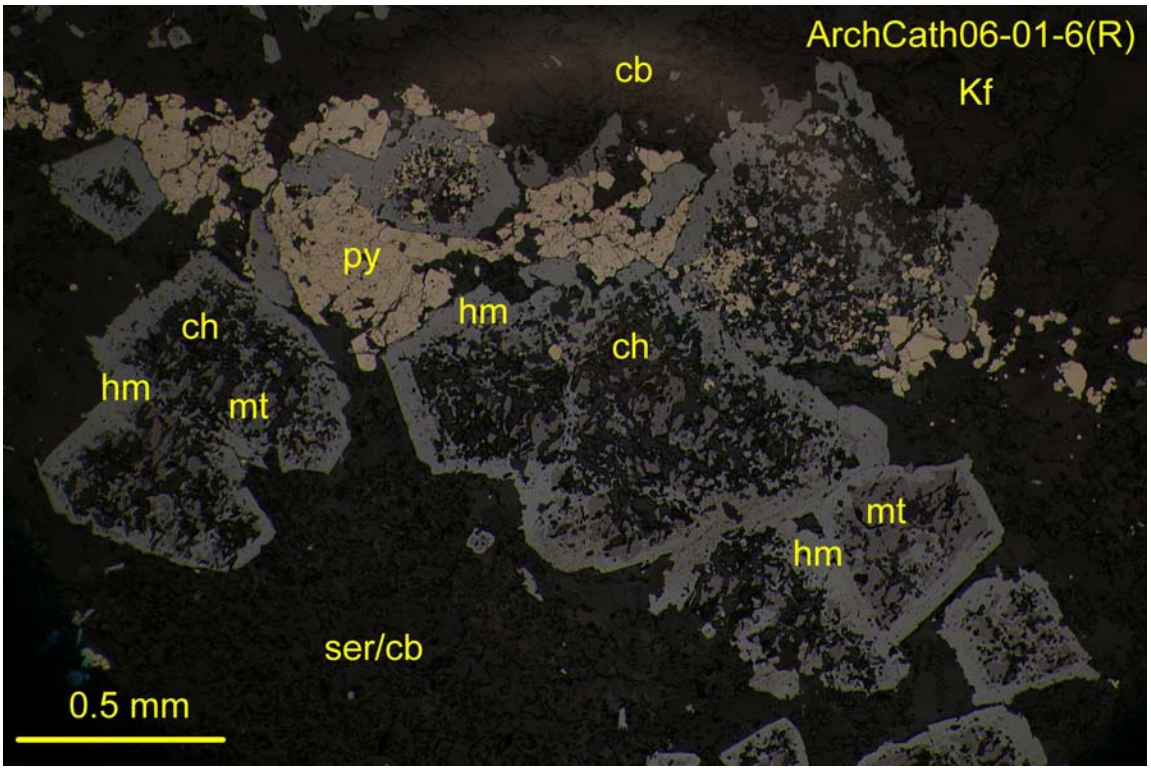
5: Possible breccia matrix composed of coarser-grained sericite (ser) than in the fine-grained (fg) clasts, associated with euhedral magnetite and minor pyrite (mt, py; both opaque) and locally with Fe-chlorite (ch), Kspar (Kf), and possibly ankeritic carbonate (cb). Transmitted plane light, field of view 3 mm wide.



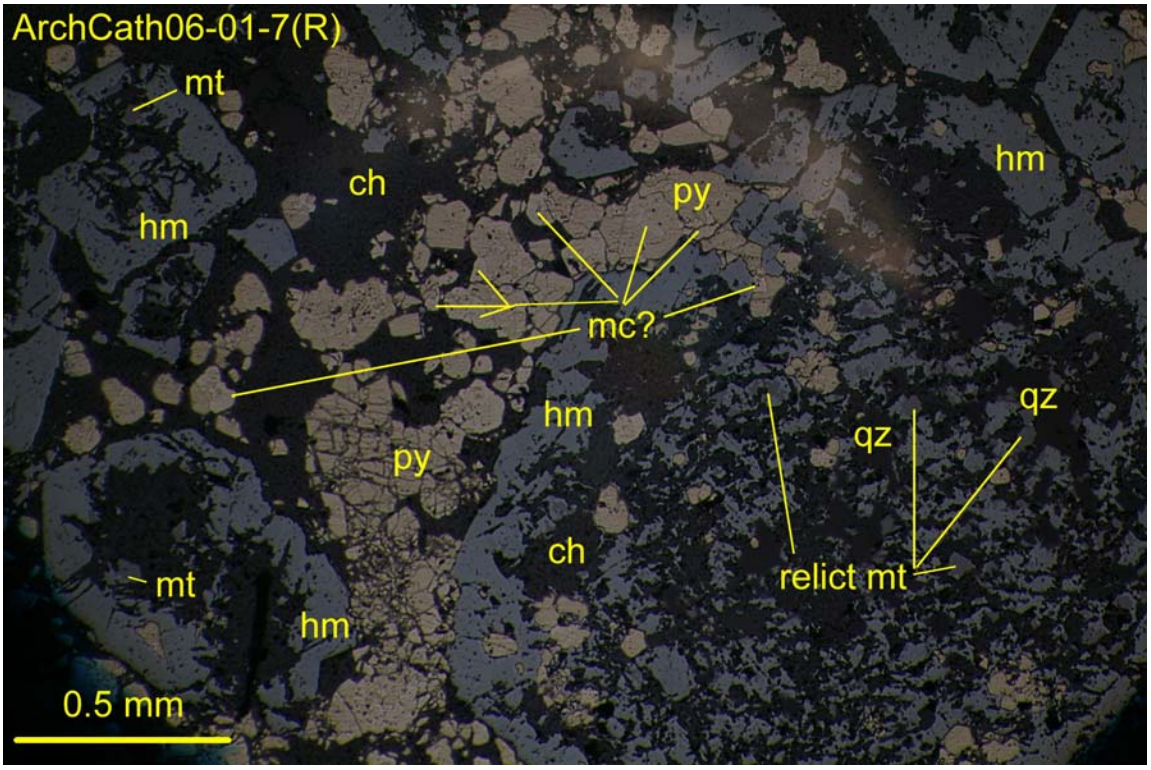
5(R): Approximately same area as above, to distinguish magnetite (mt) rimmed by hematite (hm), locally with inclusions of pyrite (py), plus separate euhedral pyrite, and minor but unusually abundant, fine-grained rutile (ru) associated with the matrix. Reflected light, uncrossed polars, field of view 2.75 mm wide.



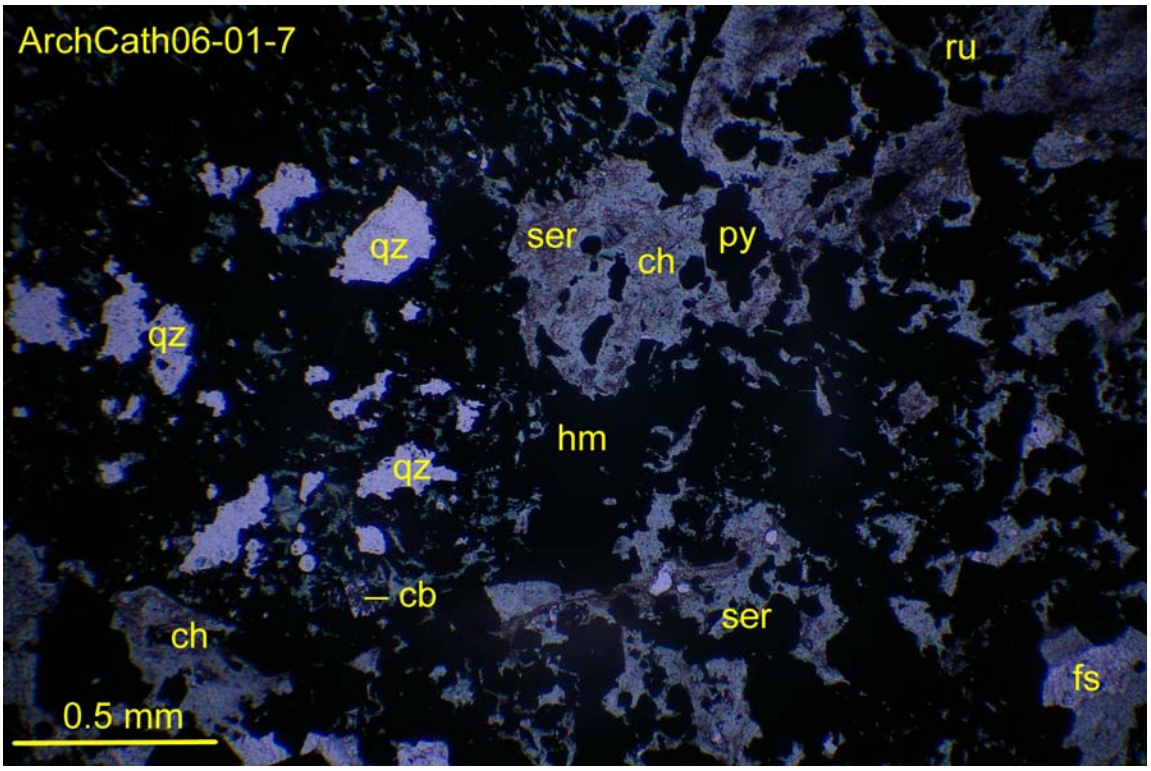
6: Vein of carbonate (cb), quartz (qz), bright green Fe-chlorite, possible zoisite? (zo?), bladed hematite (hm) cutting rock composed of K-feldspar (Kf) partly altered to sericite and carbonate (ser/cb), and sieve-textured magnetite (mt), containing chlorite inclusions and partly oxidized to hematite. Transmitted plane light, field of view 3 mm wide.



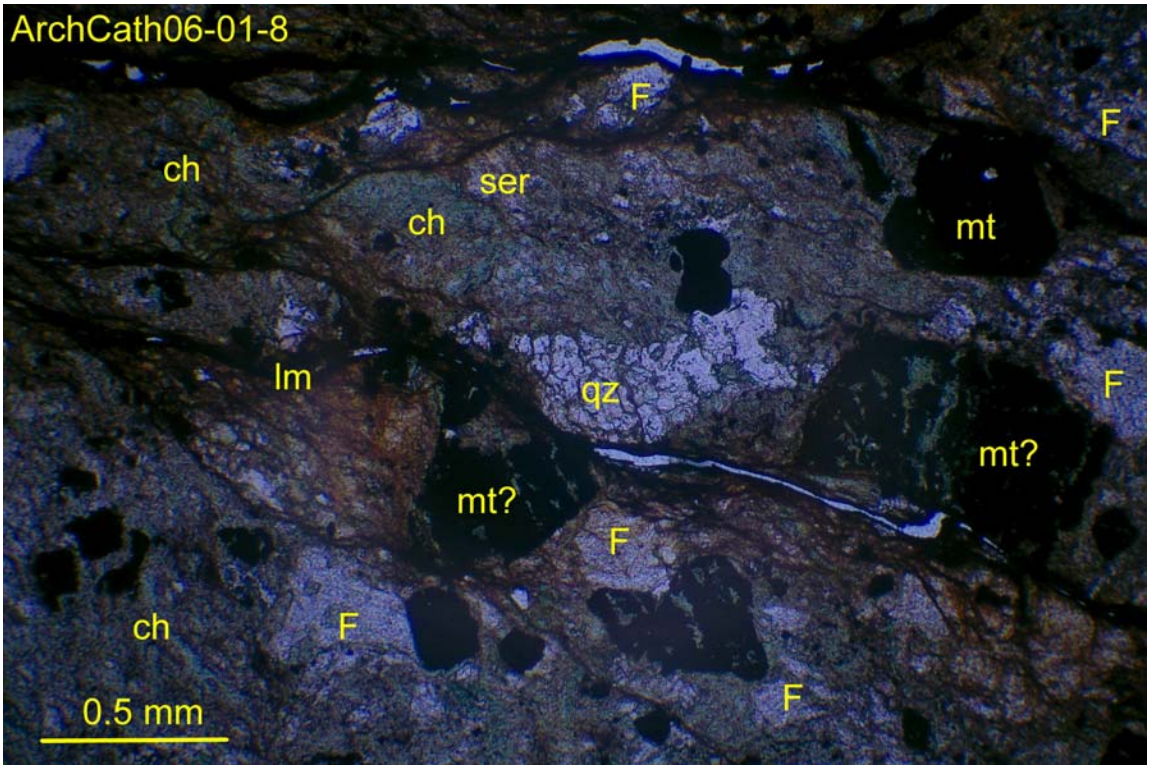
6(R): Arrangement of pyrite (py) possibly along late fracture, infilling between and possibly locally replacing magnetite (mt) crystals whose core is full of inclusions (mainly Fe-chlorite, ch) and rims are replaced by hematite (hm), in matrix of sericite-carbonate altered K-feldspar. Reflected light, uncrossed polars, field of view 2.75 mm wide.



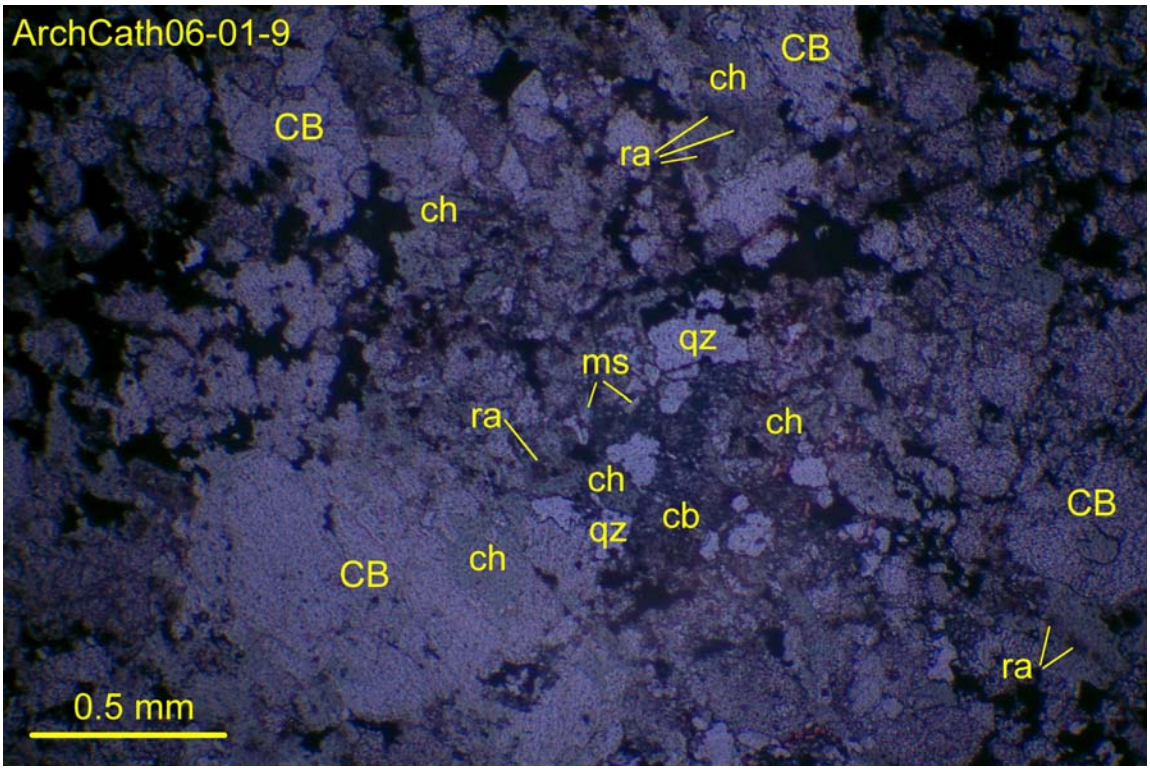
7 (R): Atoll-textured “martite” pseudomorphs of hematite (hm) after magnetite, small kernels of which remain (mt), infilled between and partly cut and replaced by pyrite/marcasite? (py/mc?). Gangue minerals are mostly Fe-chlorite (ch), especially at cores of martite, and minor quartz (qz). Reflected light, uncrossed polars, field of view 2.75 mm wide.



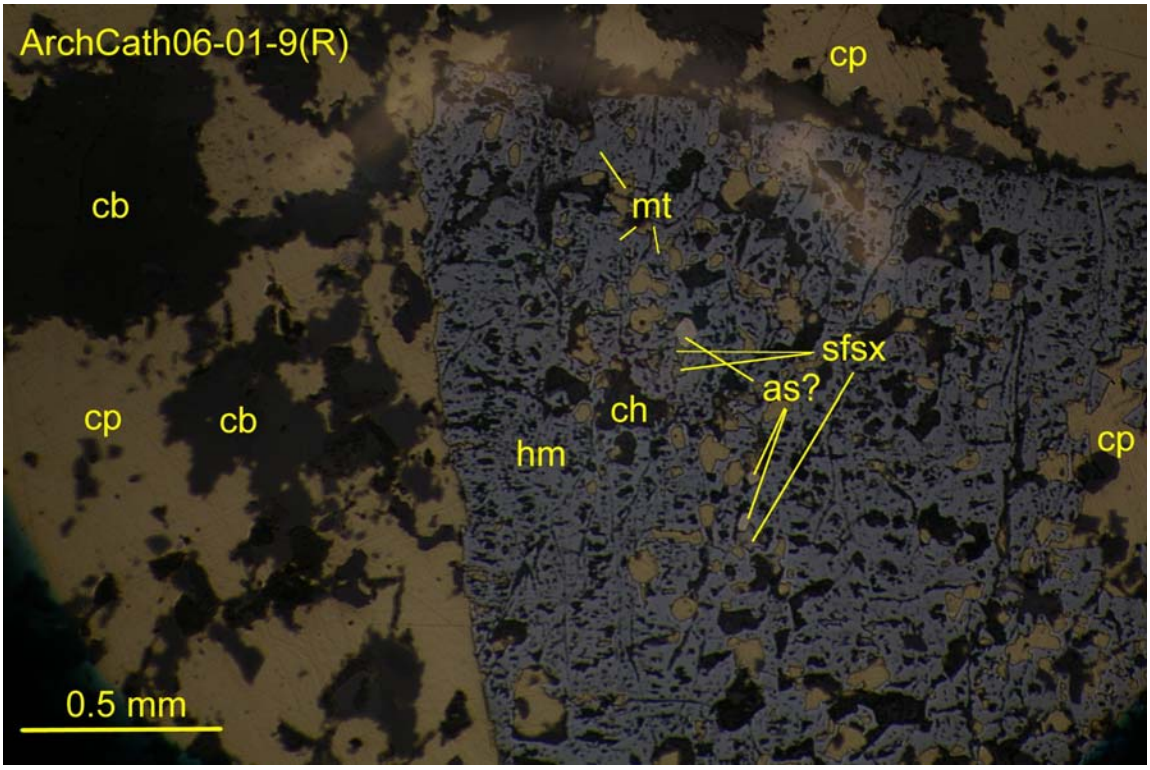
7: Sieve-textured martite pseudomorphs (opaque, hm, with inclusions of chlorite, ch, and quartz, qz) set in chlorite (in part with minor brownish sericite, ser, possibly after feldspar relics, fs), associated with pyrite (py, also opaque) and minor carbonate (cb) and rutile (ru). Transmitted plane light, field of view 3 mm wide.



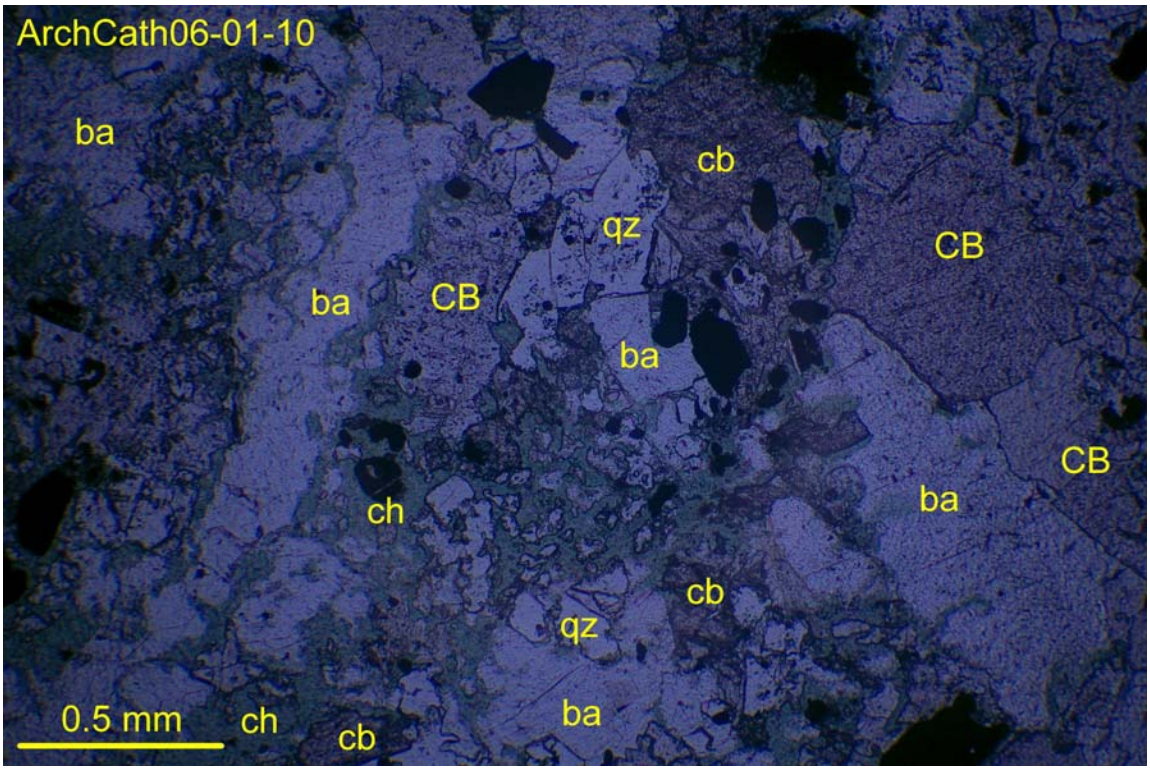
8: Brecciated, disrupted rock of uncertain derivation composed of shattered aggregates of quartz (qz), sericitized feldspar (F), hematized magnetite (opaque, mt?) in a matrix of sheared Fe-chlorite (note limonite staining) commonly mixed with sericite (ser) and rutile (ru; difficult to see at this scale). Transmitted plane light, field of view 3 mm wide.



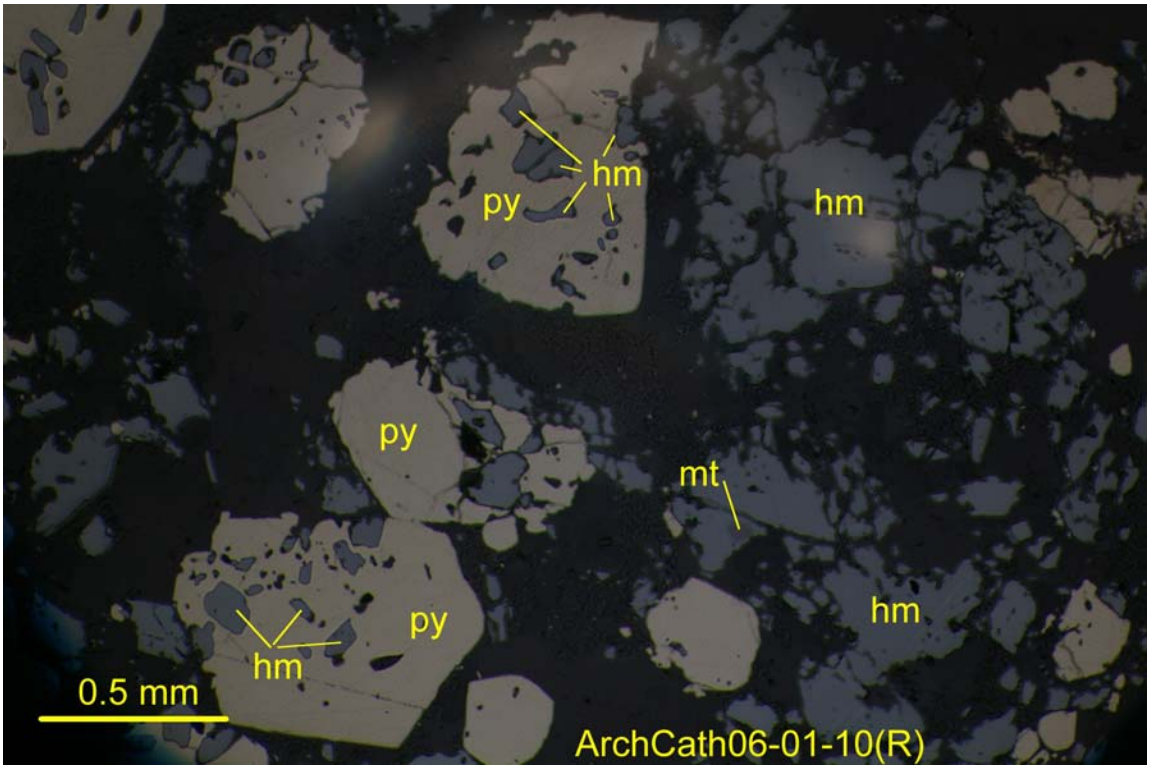
9: Shattered clasts of carbonate (CB) in matrix of finer-grained carbonate (cb), green chlorite (ch, locally with darker pleochroic haloes around radioactive-bearing minerals, ra), chalcopyrite (opaque), quartz (qz) and minor muscovite (ms). Transmitted plane light, field of view 3 mm wide.



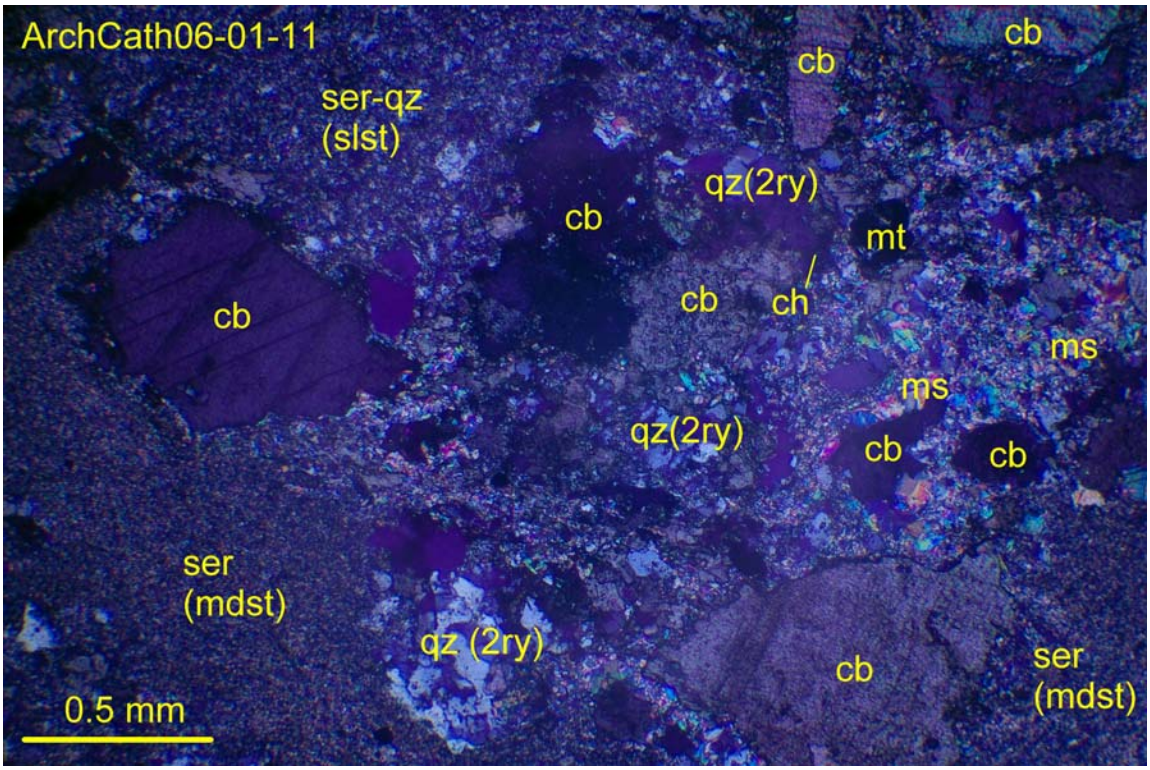
9(R): Semi-massive chalcopyrite (cp), gangue of carbonate (cb) hosting euhedral martite crystal (hematite, hm, after magnetite, traces of which remain, mt) with inclusions of chalcopyrite locally associated with euhedral arsenopyrite ? (as?) and possible sulfosalt (sfsx) plus chlorite (ch). Reflected light, uncrossed polars, field of view 2.75 mm wide.



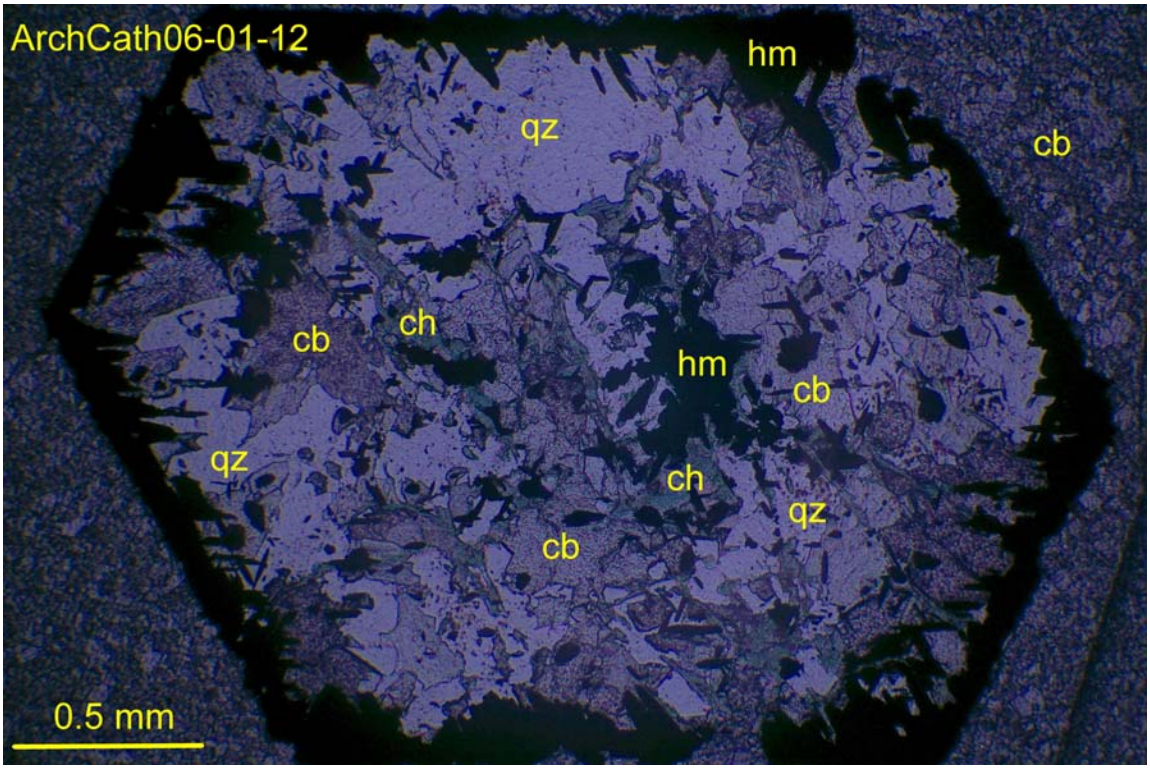
10: Typical intergrowth of barite (ba), chlorite (ch), quartz (qz) and darker, possibly ankeritic, carbonate (cb) and hematite (opaque) in matrix, hosting poorly defined clasts richer in coarser-grained, clearer carbonate (CB, possibly dolomite). Transmitted plane light, field of view 3 mm wide.



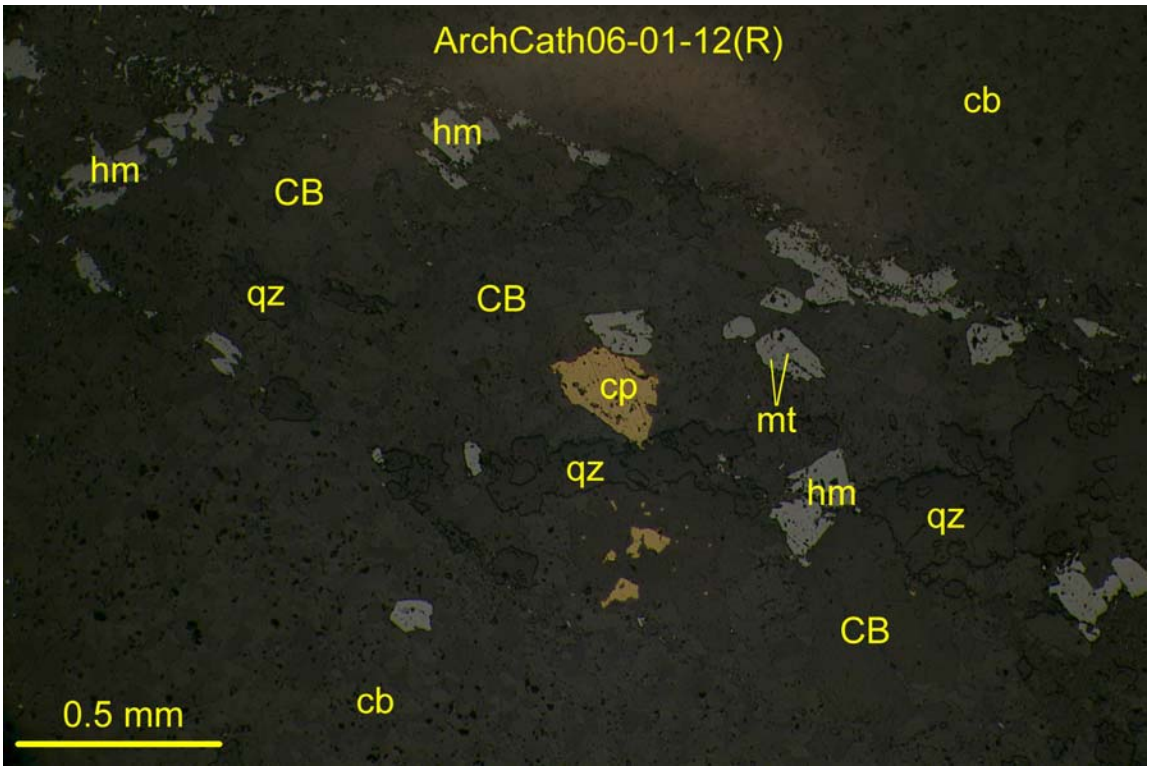
10(R): Pyrite (py) crystals containing inclusions of, and apparently replacing hematite (hm), which in turn appears to have replaced former magnetite (mt), traces of which remain in the cores. Reflected light, uncrossed polars, field of view 2.75 mm wide.



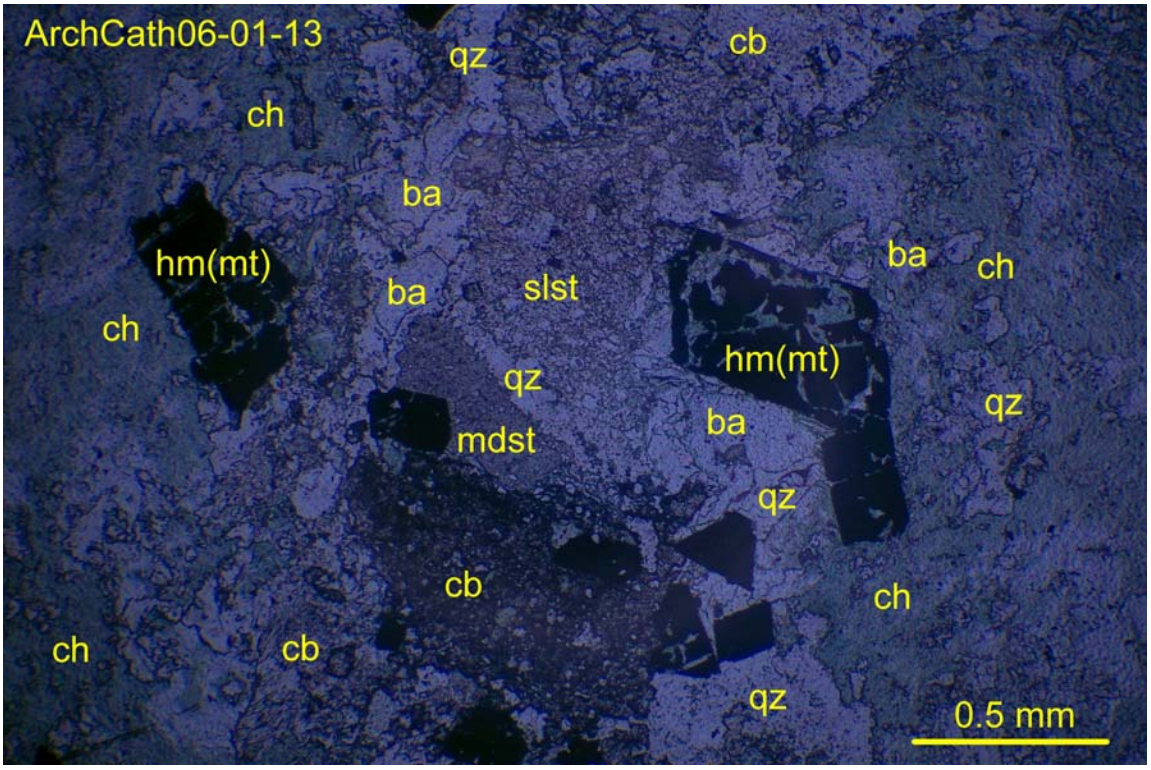
11: Breccia matrix (?) of coarse-grained Fe-carbonate (cb), secondary quartz (2ry qz), muscovite (ms), minor magnetite (mt, opaque) and chlorite (ch) cutting fine-grained sediment (mudstone, mdst, composed of sericite, ser, and siltstone, slst, of sericite and variable detrital quartz content). Transmitted light, crossed polars, field of view 3 mm wide.



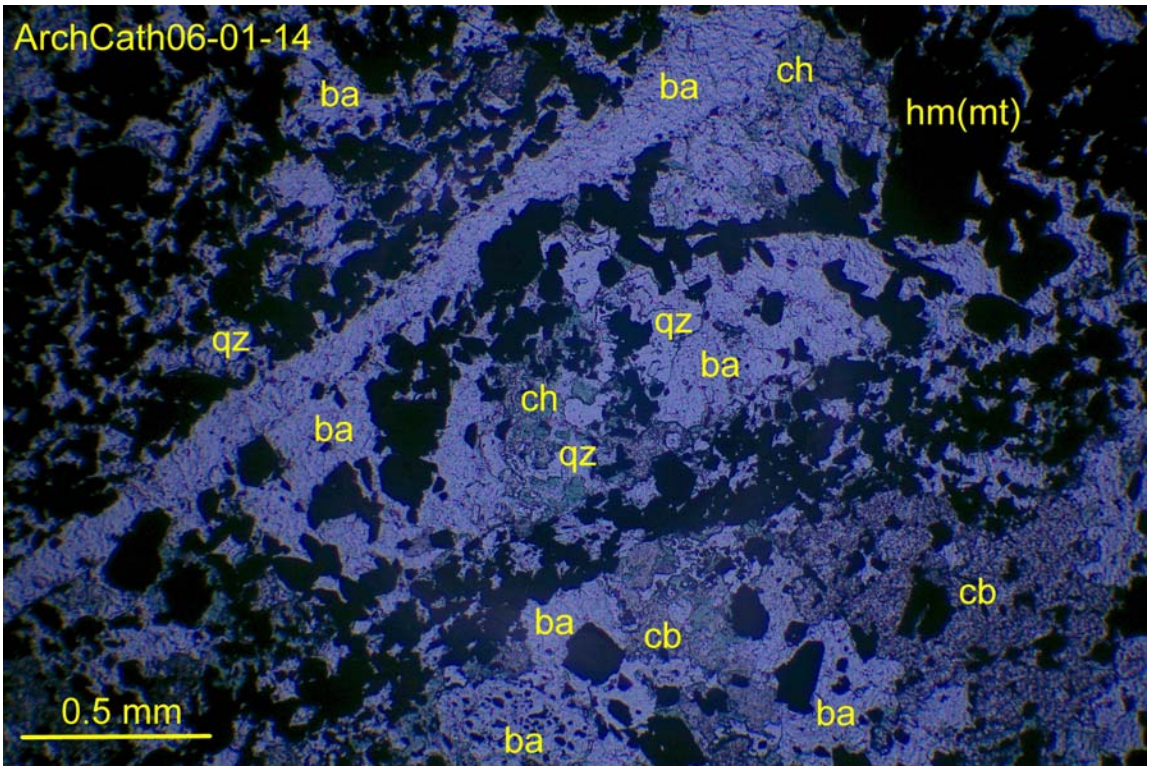
12: Martite (euhedral magnetite crystal pseudomorphed by a rim of bladed hematite (hm) crystals, and core of intergrown secondary quartz (qz), recrystallized carbonate (cb), Fe-chlorite (ch) and minor hematite. Groundmass is fine-grained Fe-carbonate (ankerite or siderite?). Transmitted plane light, field of view 3 mm wide.



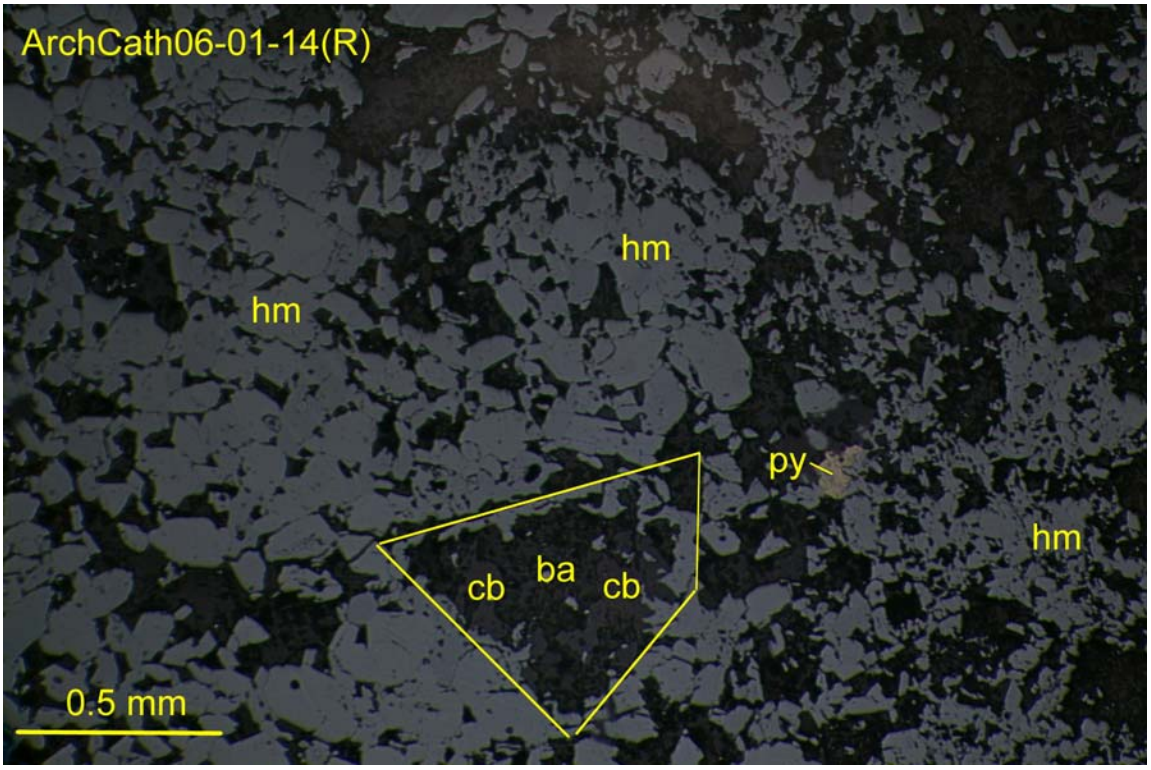
12(R): Relationship of chalcopyrite (cp) to hematite (hm, probably after former magnetite, mt, traces of which remain at the cores), along veinlet/breccia matrix of recrystallized carbonate (CB) and secondary quartz (qz) cutting background fine-grained Fe-carbonate (cb). Reflected light, uncrossed polars, field of view 2.75 mm wide.



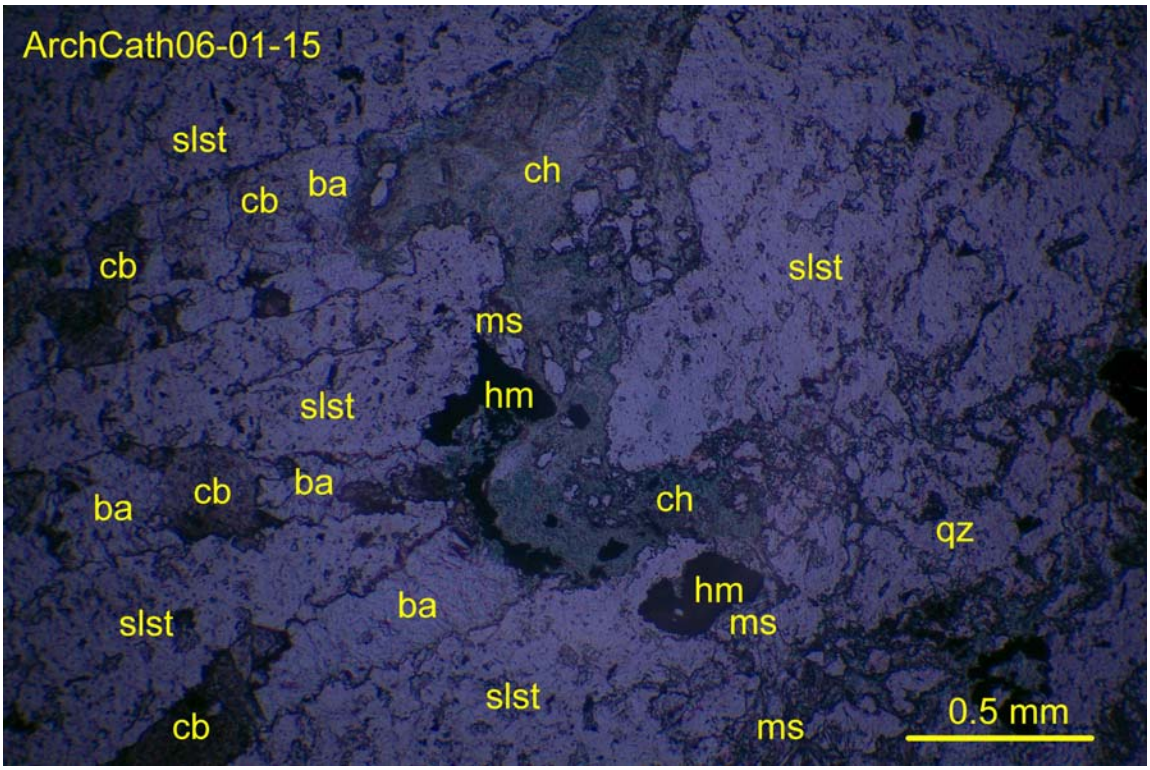
13: Breccia network of coarse-grained, dark (Fe-bearing?) carbonate, cb, Fe-chlorite (ch), barite (ba), secondary quartz (qz) and hematized magnetite (opaque) cementing disrupted fragments of sericite-rich mudstone (mdst) or more quartz-rich siltstone (slst). Transmitted plane light, field of view 3 mm wide.



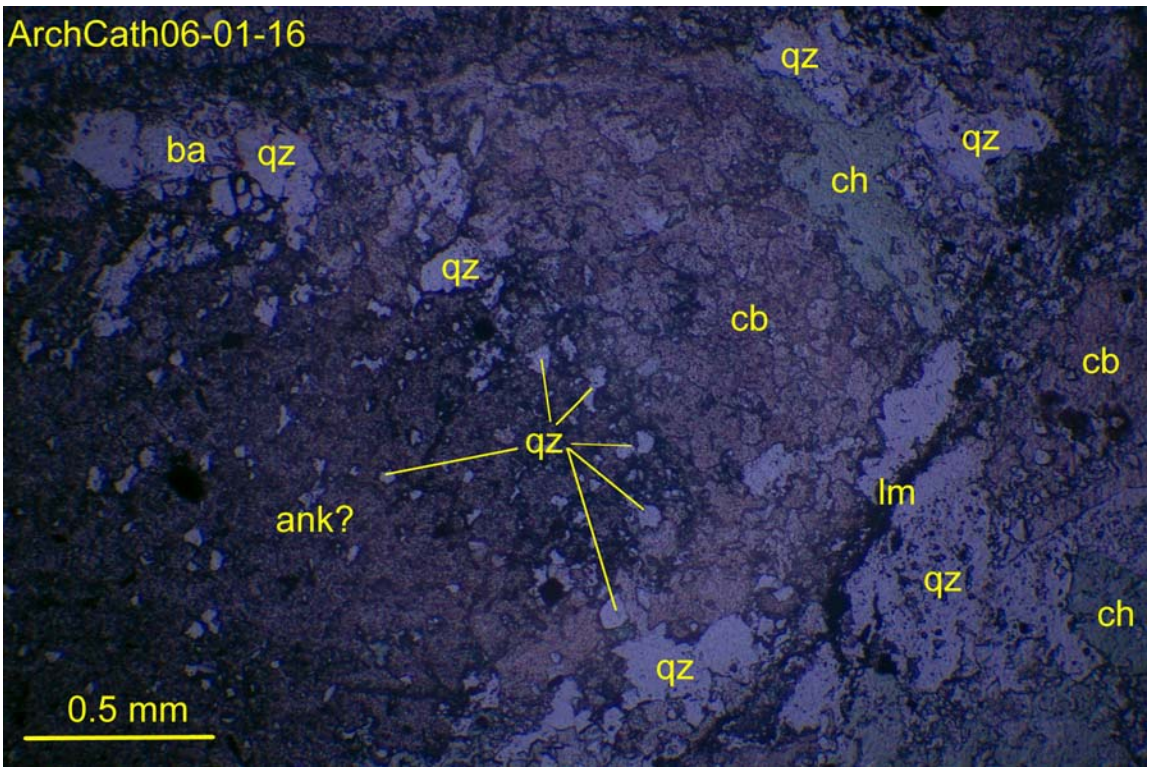
14: Strongly altered rock of uncertain derivation, now composed of interlocking aggregate of barite (ba), Fe-carbonate (cb), chlorite (ch), hematite (after magnetite) and minor quartz (qz, likely secondary), cut by veinlets enriched in hematite (hm, opaque), barite and minor sericite (ser), or barite alone. Transmitted plane light, field of view 3 mm wide.



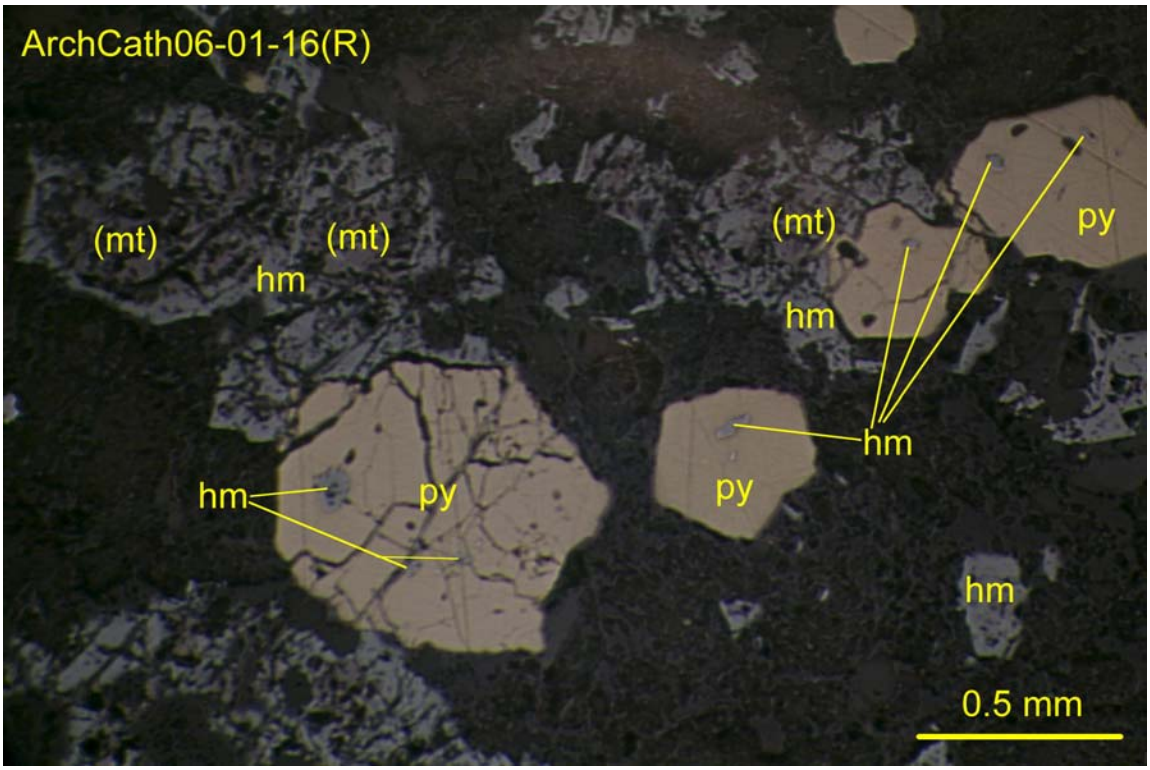
14(R): Semi-massive to fine-grained hematite (hm), likely mainly after former magnetite (no traces remaining, but hematite rim around barite, ba, and carbonate, cb, outlined, is similar to martite pseudomorphs of magnetite in other samples in this suite). Trace pyrite (py) may replace hematite. Reflected light, uncrossed polars, field of view 2.75 mm.



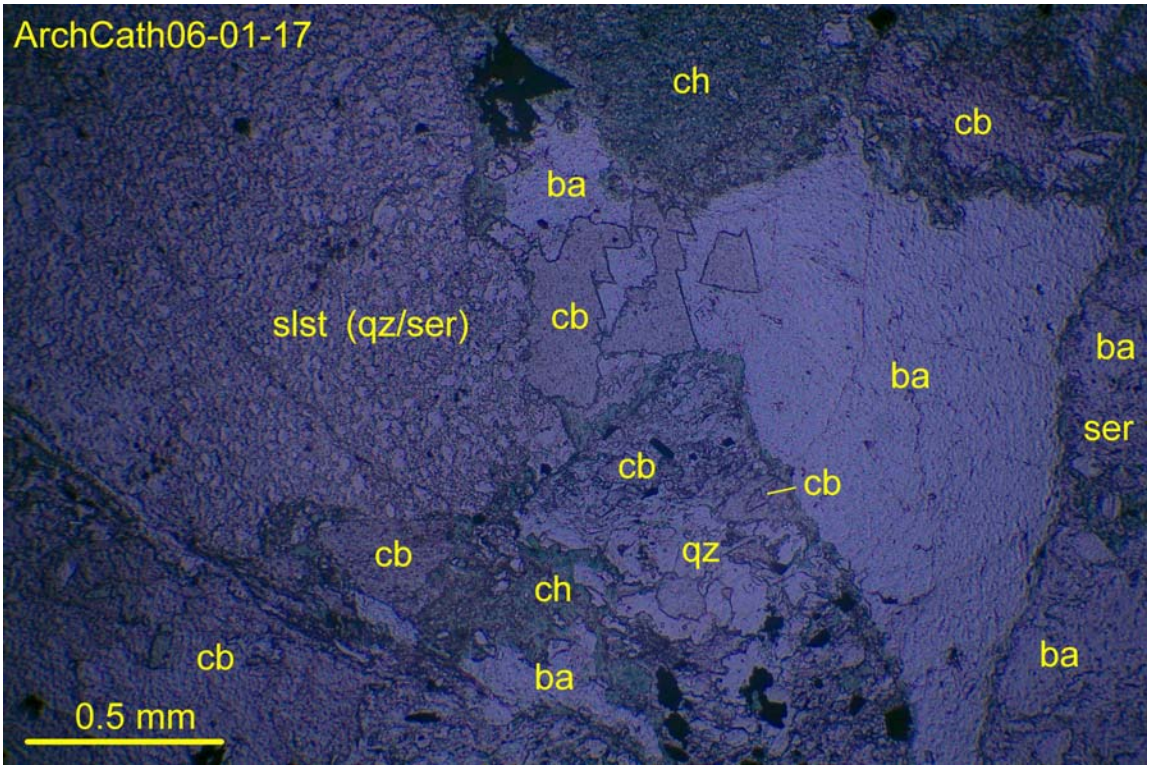
15: Veinlets/breccia matrix of barite (ba), quartz (qz), Fe-carbonate (cb), chlorite (ch), muscovite (ms) and opaques (hematite after magnetite) cutting siliceous (siltstone, slst) clasts. Dark colour of carbonate is due to high relief, supporting probable Fe-rich composition. Transmitted plane light, field of view 3 mm wide.



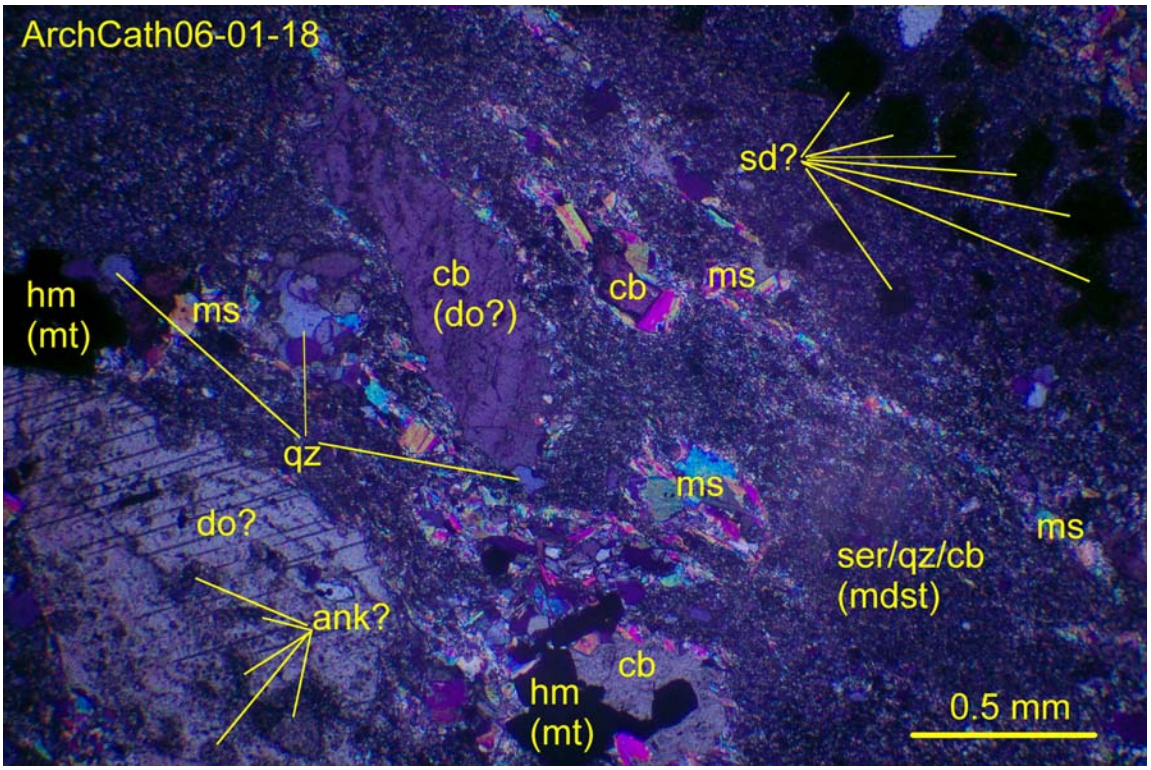
16: Clast, composed of euhedral relict ankerite? (ank?) crystal surrounded by rim of quartz (qz) and minor barite (ba), and containing inclusions of quartz, in granular dolomite/Fe-calcite (cb), all cut by network of quartz-chlorite (ch)-carbonate fractures/breccia matrix and late limonitic (lm) fractures. Transmitted plane light, field of view 3 mm wide.



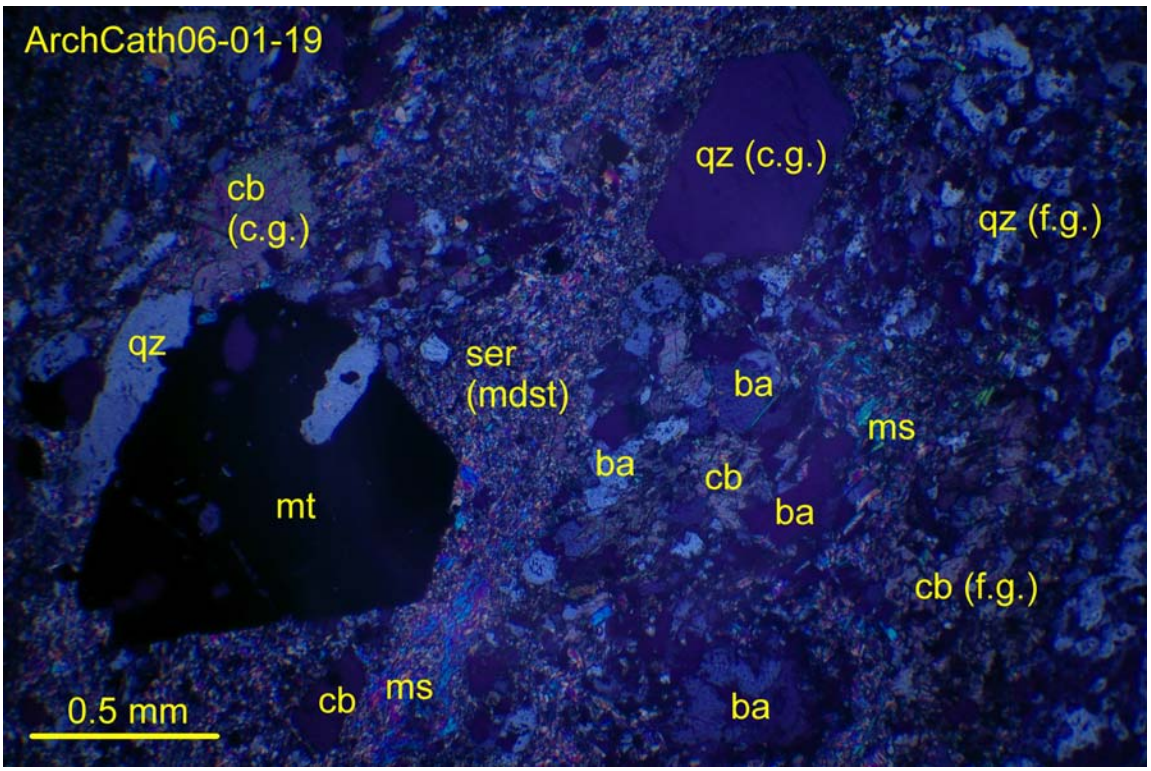
16(R): Relict magnetite (mt) crystals, mainly replaced by hematite (hm), in turn possibly replaced by pyrite (py, with inclusions of hematite), in gangue matrix of carbonate, barite, quartz and chlorite. Reflected light, uncrossed polars, field of view 2.75 mm wide.



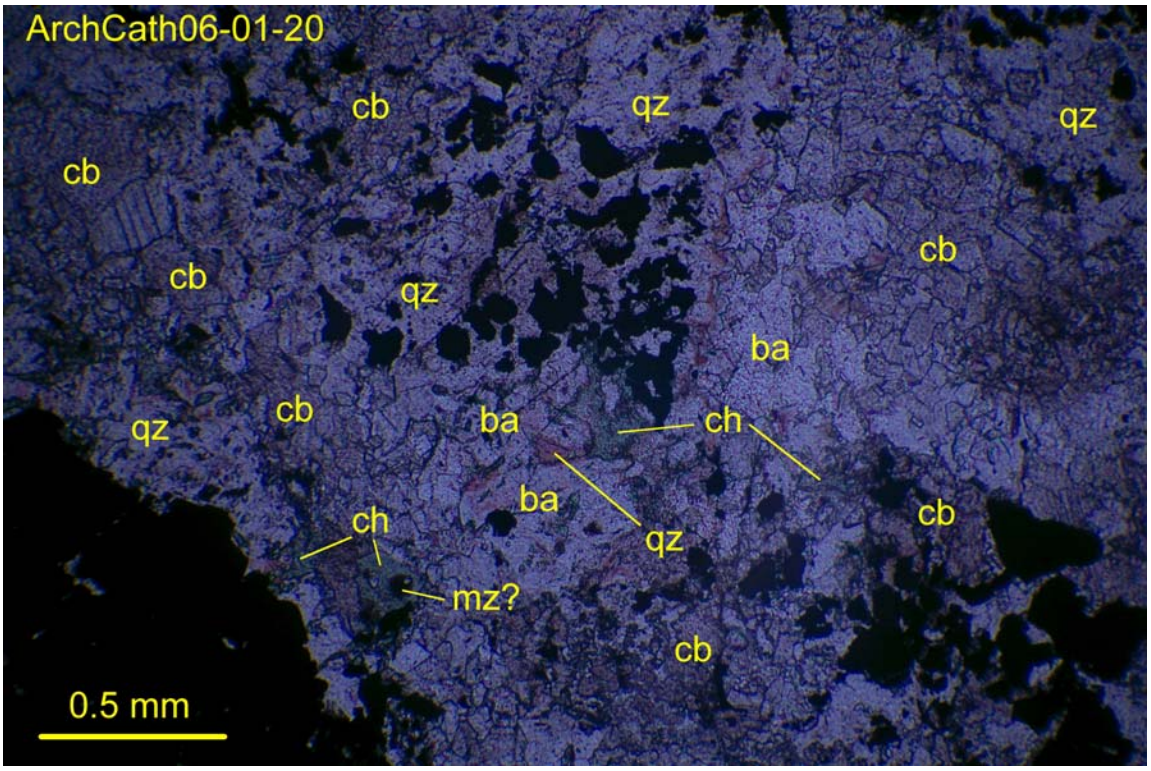
17: Clasts of siltstone (slst) composed mainly of fine-grained, detrital (?) quartz and lesser sericite, or mostly replaced by fine-grained chlorite (ch) or coarse-grained carbonate (cb), cut by breccia matrix variably composed of carbonate, quartz (qz), barite (ba), chlorite and iron oxides, traces chalcopyrite (opaque). Transmitted plane light, field of view 3 mm wide.



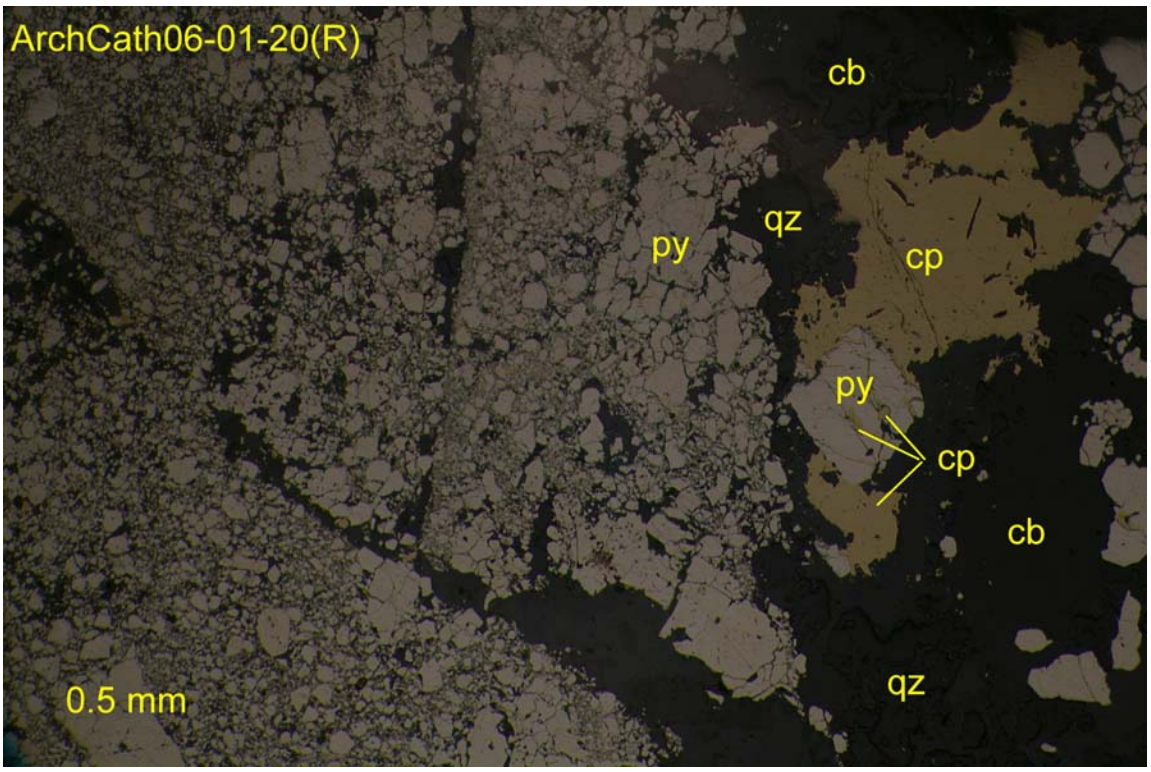
18: Silty dolomitic mudstone or siltstone cut by veinlet network/breccia matrix of coarse carbonate (possibly dolomite, do, with cores of ankerite, ank?); dark euhedra may be siderite, sd?, or possibly sphene), coarsened sericite or muscovite (ms), quartz (qz) and minor hematite (opaque, after magnetite). Transmitted light, crossed polars, field of view 3 mm wide.



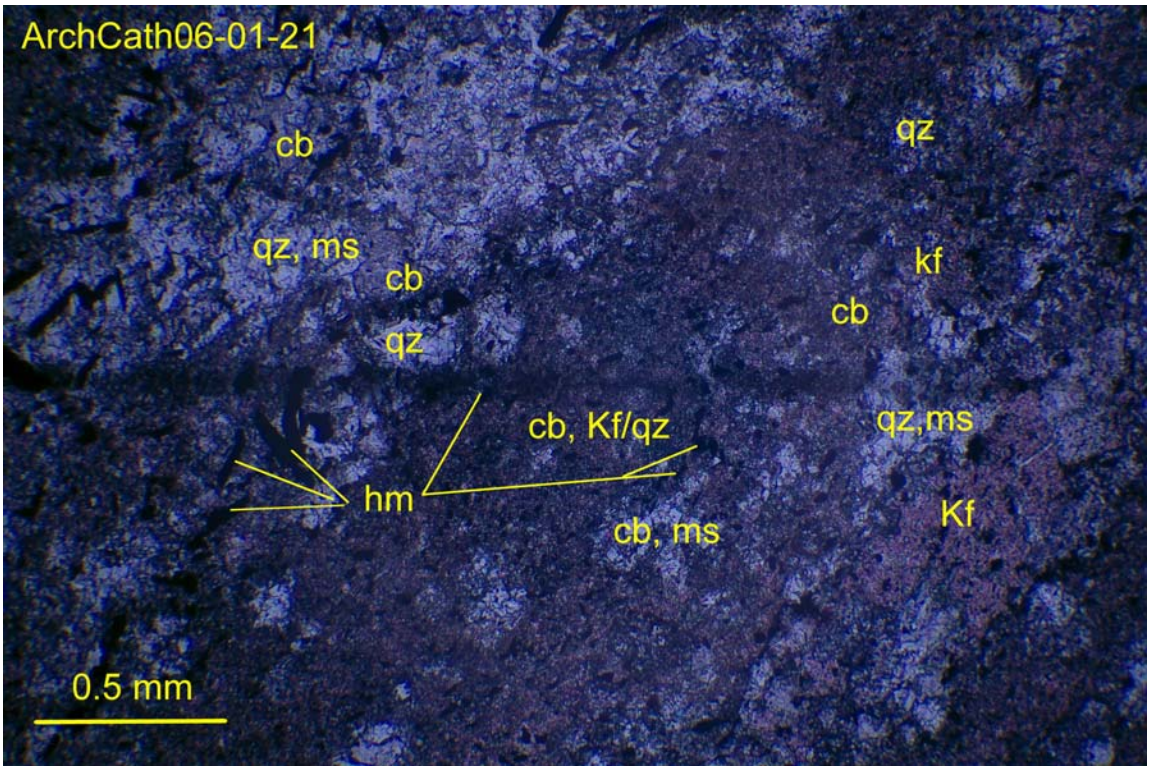
19: Remnant sericitic (mudstone) clasts strongly altered by veinlet network/breccia matrix of coarse and fine-grained carbonate (cb), quartz (qz), coarsened muscovite (ms), and lesser barite (ba, locally rimmed by chlorite, ch) associated with euhedral magnetite (mt, opaque). Transmitted light, crossed polars, field of view 3 mm wide.



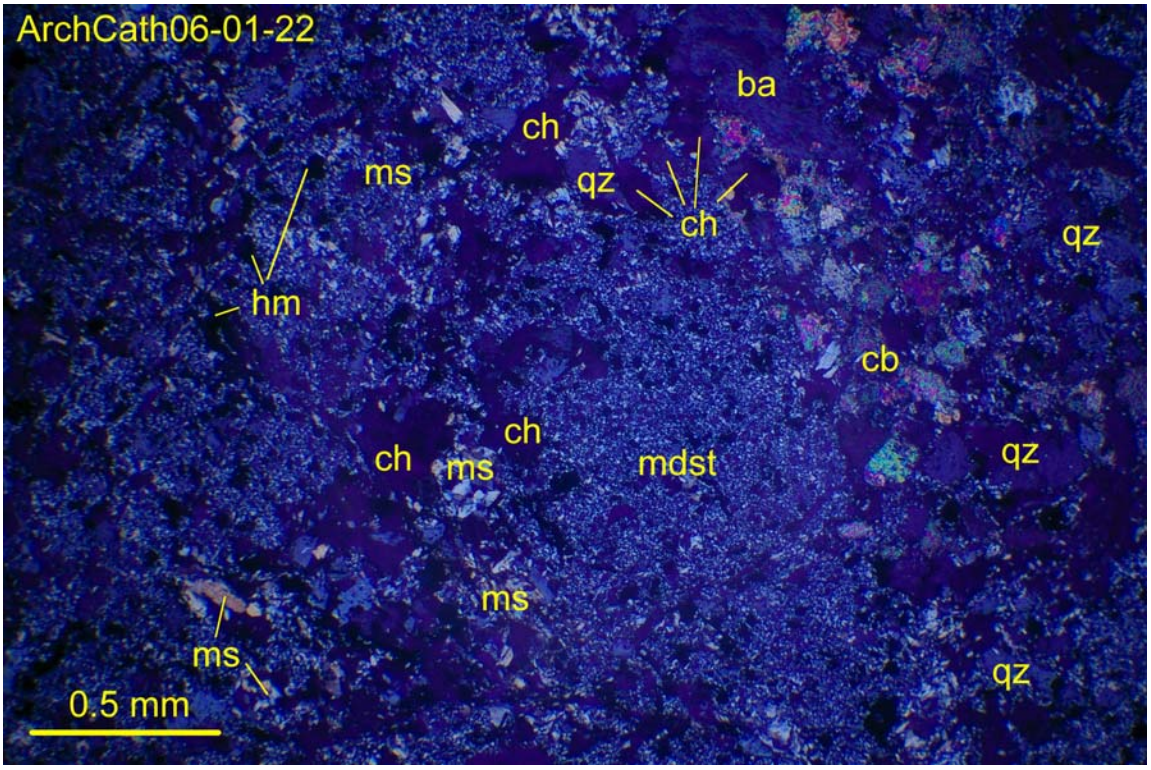
20: Area of gangues included within semi-massive pyrite (opaque, py), consisting of intergrown quartz (qz, locally with zoned margins marked by reddish stain), Fe-carbonate (cb, likely ankerite), barite (ba), and Fe-chlorite (ch, locally with dark pleochroic haloes around monazite?, mz?). Transmitted plane light, field of view 3 mm wide.



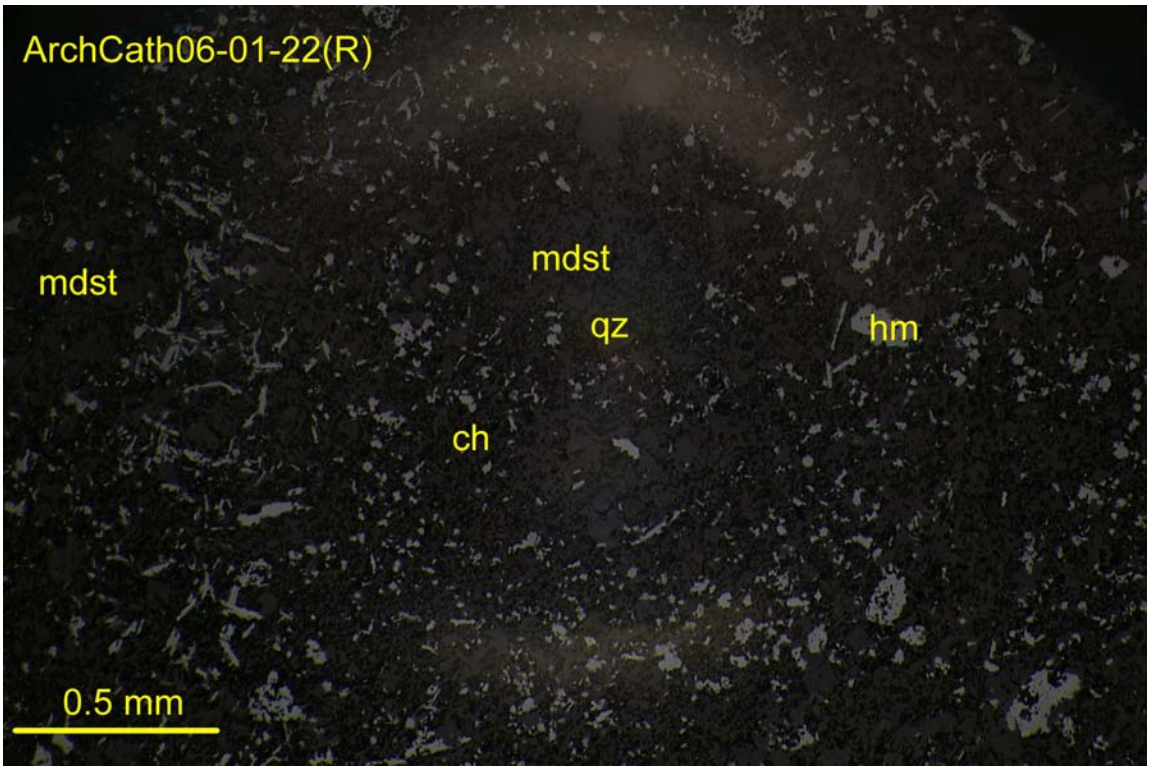
20(R): Highly fractured to shattered, granulated, semi-massive to massive pyrite (py), locally containing inclusions of, or associated with, chalcopyrite (cp) subhedra, and gangue mineral inclusions (mainly carbonate, cb, and quartz, qz). Reflected light, uncrossed polars, field of view 2.75 mm wide.



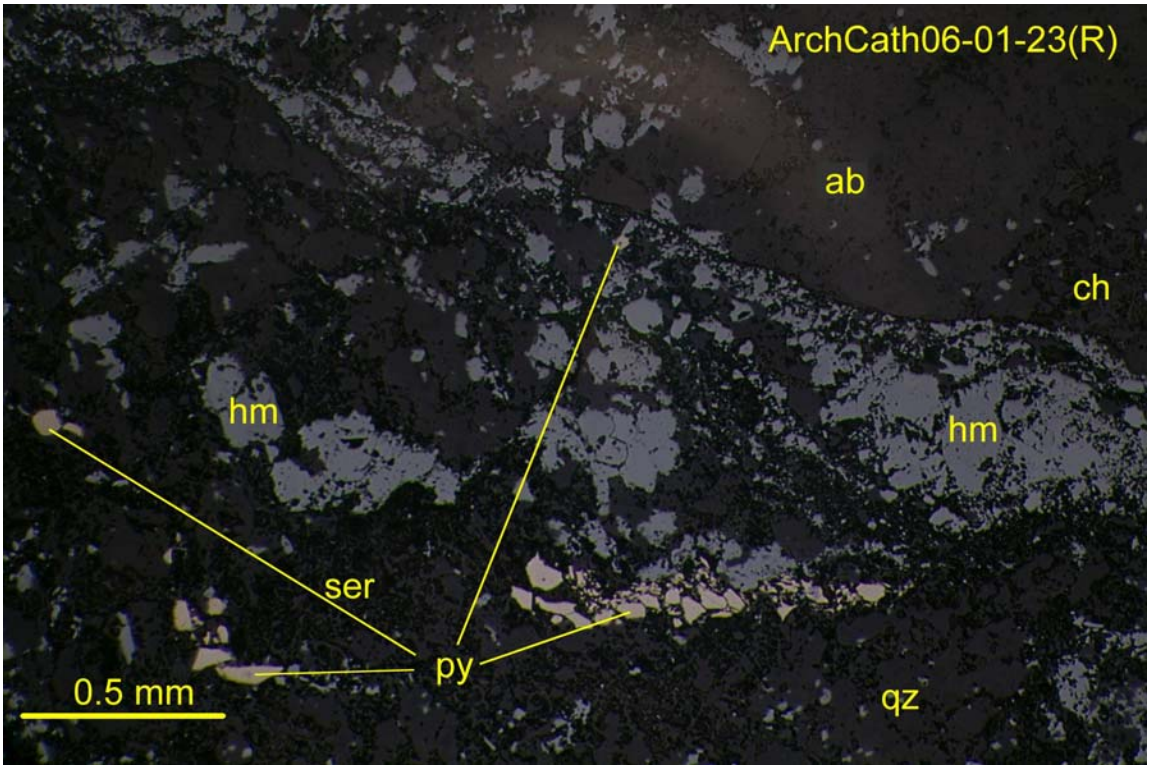
21: Layers (or vein selvages) of rock composed of reddish Kspar (Kf), intimately intergrown with ankeritic carbonate (cb), quartz (qz, either fine-grained, primary detrital, or coarser, secondary), sericite (ser, primary) partly recrystallized to muscovite (ms, secondary) and euhedral bladed hematite (opaque, hm). Transmitted plane light, field of view 3 mm wide.



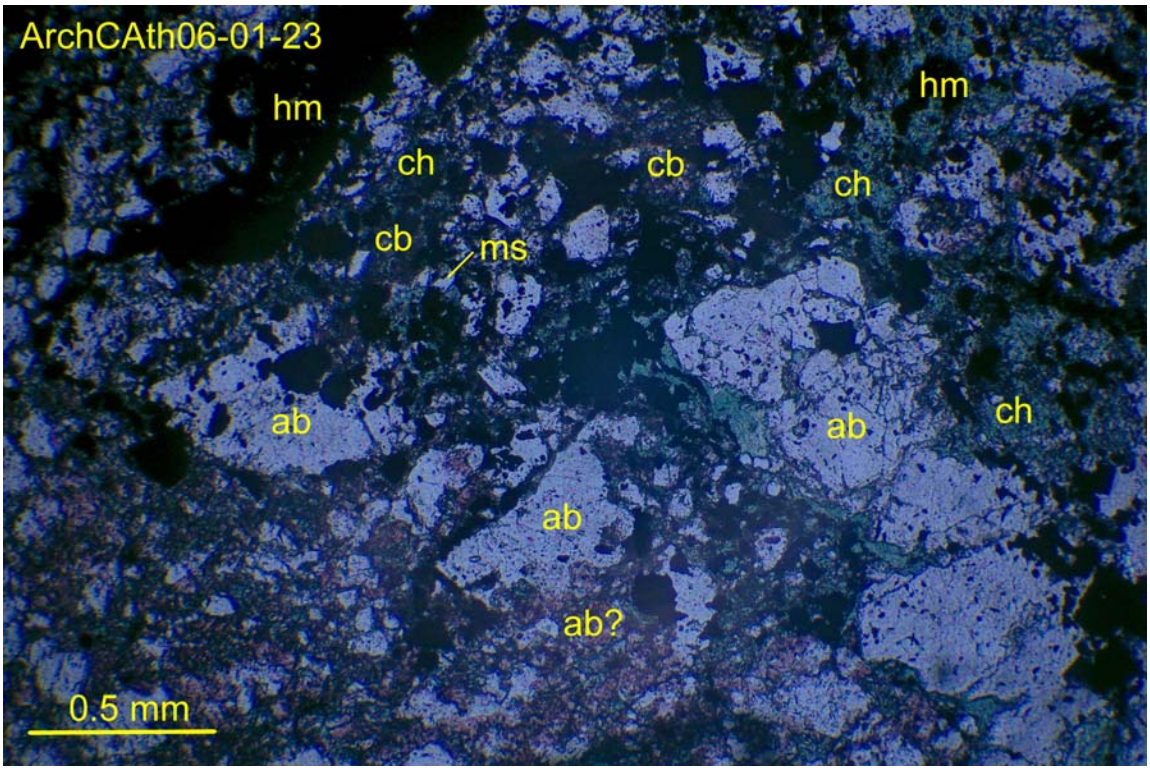
22: Subangular clasts of mudstone (mdst) composed mainly of fine-grained sericite, lesser quartz and hematite, cut and altered by breccia matrix of chlorite (ch, mostly dark), quartz (qz), muscovite (ms), hematite (opaque), local carbonate (cb) and barite (ba). Transmitted light, crossed polars, field of view 3 mm wide.



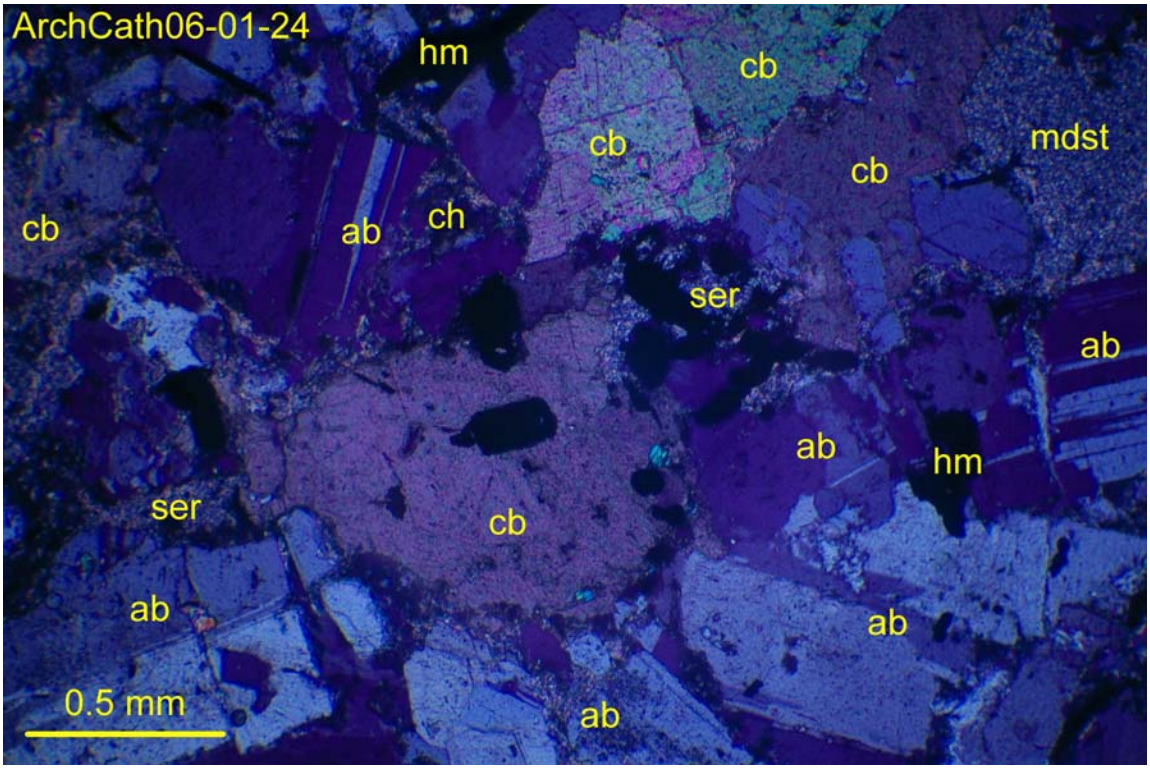
22(R): Abundant hematite (hm), apparently more concentrated and coarser in hydrothermal breccia matrix around margins of (strongly quartz-chlorite) altered clast in center of view. No evidence that hematite has pseudomorphed former magnetite. Reflected light, uncrossed polars, field of view 2.75 mm wide (ring of light is a microscope artifact).



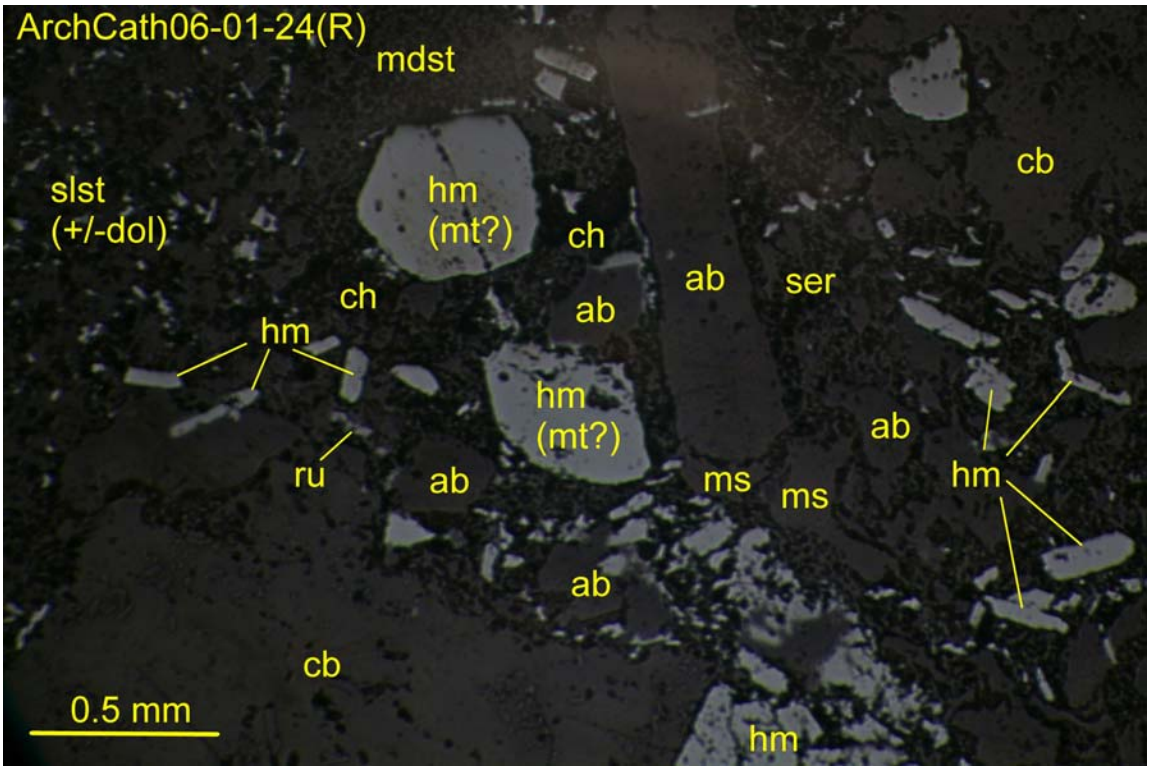
23(R): Sheared hematite (hm, mostly after magnetite, remnants of which are too small to see in this view) breccia matrix to variably albite (ab) or sericite (ser), chlorite (ch) altered clasts, cut by a sheared pyrite (py) veinlet that may replace hematite (note hematite included in pyrite). Reflected light, uncrossed polars, field of view 2.75 mm wide.



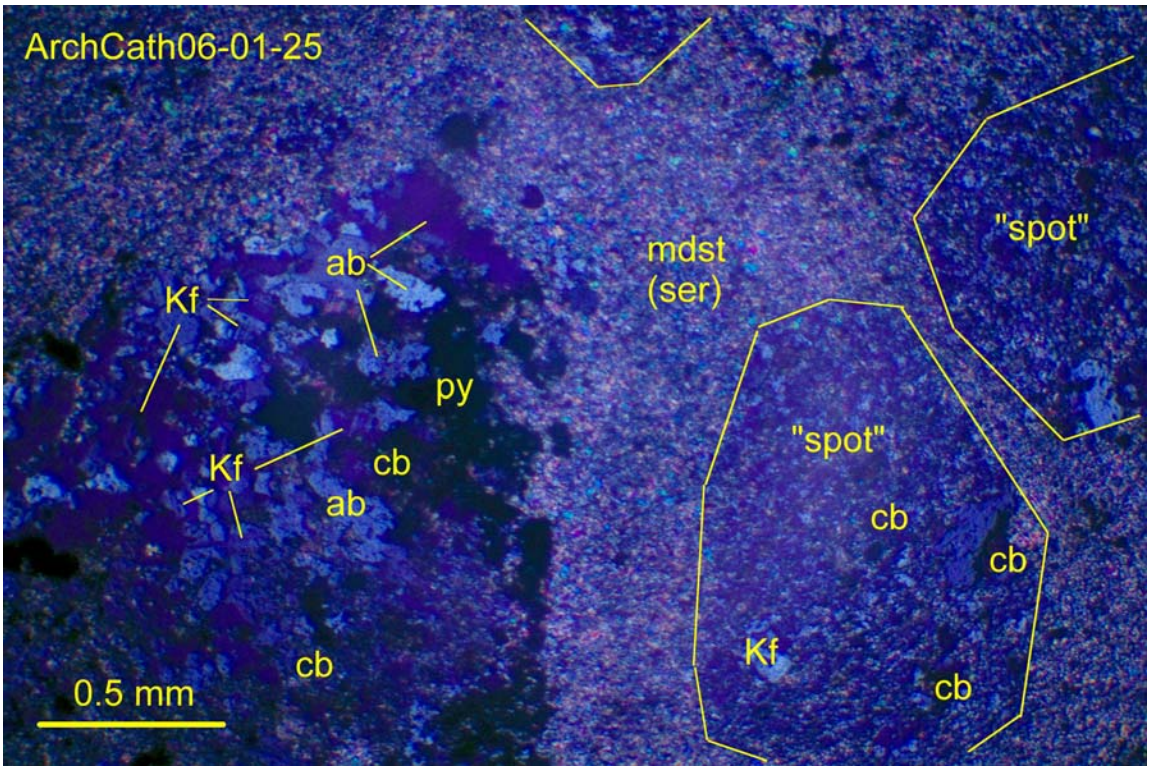
23: Shattered and altered clasts largely replaced by secondary alkali feldspar (ab, albitic?, both clear and hematite-stained) in association with intensely developed breccia matrix of hematite (opaque), Fe-chlorite (ch), Fe-carbonate (cb) and minor muscovite (ms). Transmitted plane light, field of view 3 mm wide.



24: Clasts of mudstone (mdst) composed of fine-grained sericite and lesser quartz, in a hydrothermal matrix that appears to comprise carbonate (cb), albite (ab, twinned), hematite (hm, opaque) and minor chlorite (ch) and sericite (ser). Transmitted light, crossed polars, field of view 3 mm wide.

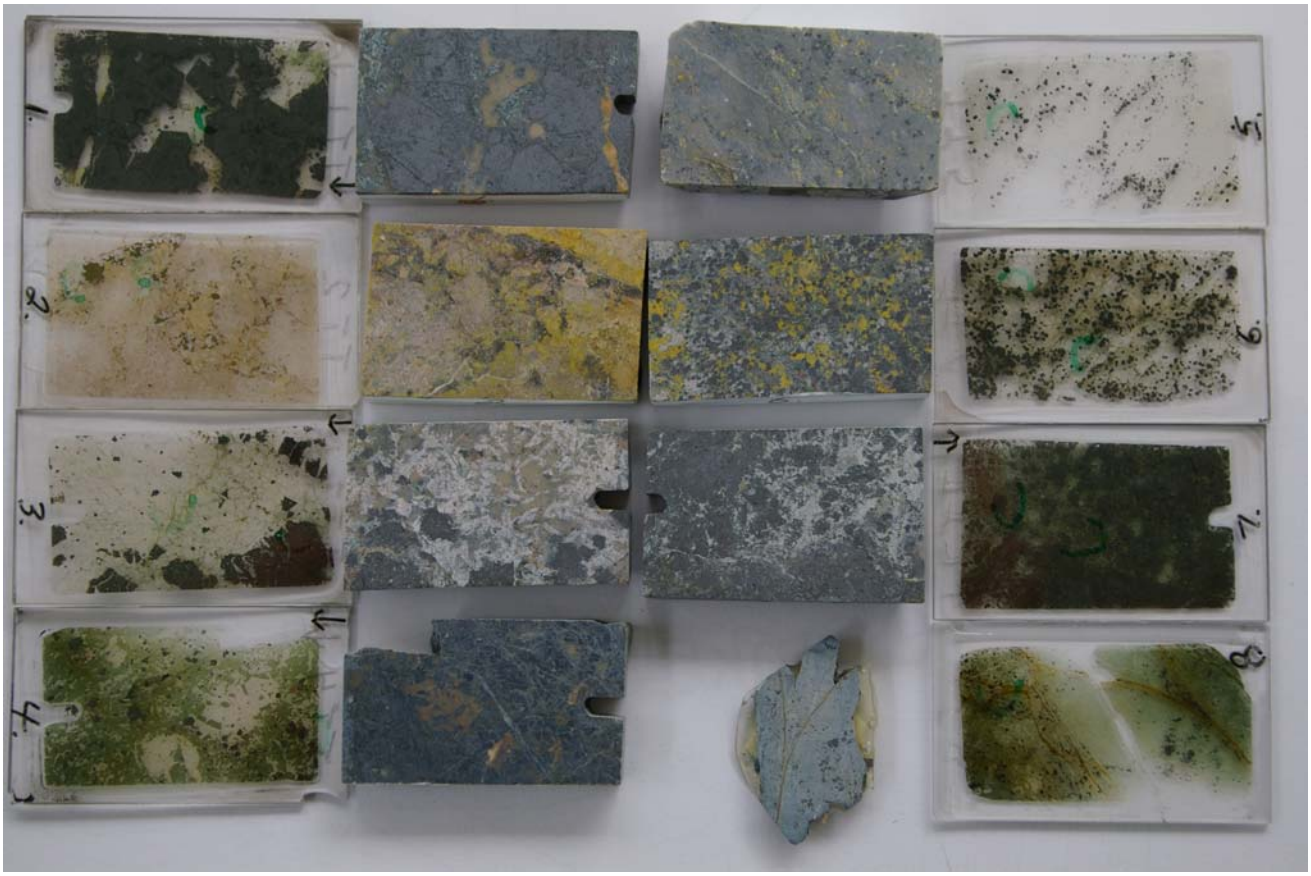


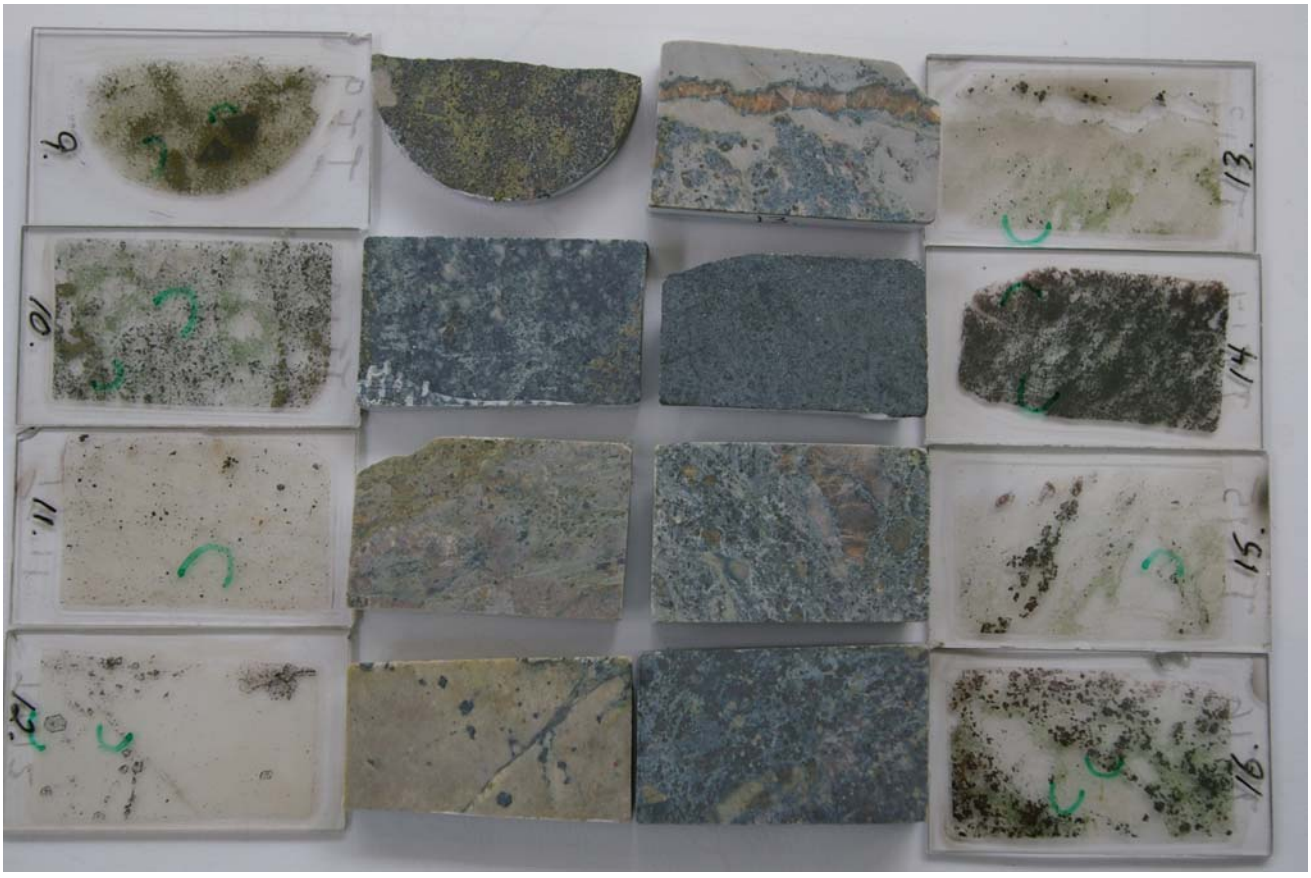
24(R): Bladed, euhedral hematite (hm) locally with outlines suggestive of pseudomorphs of magnetite (mt?), plus trace rutile (ru), intergrown with carbonate (cb), albite (ab), chlorite ch) and muscovite (ms) or sericite (ser) that are also likely part of the hydrothermal breccia matrix to mudstone (mdst) or siltstone (slst) clasts. Reflected light, uncrossed polars, field of view 2.75 mm wide.



25: Sericite-rich mudstone (mdst) clast altered to “spots” of alkali feldspar (albite, ab, or grid-twinned microcline, Kf) and carbonate (cb), possibly nucleating on more quartz-rich (siltstone) internal clasts; the alteration assemblage is similar to that in the hydrothermal matrix, which also includes pyrite (py, opaque). Transmitted light, crossed polars, 3 mm wide.

OVERVIEWS (Showing offcuts stained yellow for K-feldspar, and thin sections with photomicrographs in green)






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APPENDIX III

ROCK SAMPLE DESCRIPTIONS

SAMPLE DESCRIPTIONS (Igor Basecamp 2006)										
Sample	Date	Sampler	Claim	(NAD83-zone 8)		Width (m)	Sample	Rock	Rock	DESCRIPTION
Number	d/m/y		Block	Easting	Northing	(size)	Type	Type	Modifier (s)	(colour, texture, mineralogy, alteration, structure)
107651	12-Aug-06	KF	IGOR 7	517475	7213308	5	chip	QTE	BG-MA	QTE with Qtz stockwork, with minor Py in viens
107652	12-Aug-06	KF	IGOR 7	517475	7213308	5	grab	QTE	BG-MA	QTE with Qtz stockwork, with minor Py in viens
107659	17-Aug-06	KF	BORIS 36	518150	7211899	4	chip	WBX	hen-alt	GY/RD MA WBX with ~3-5% spec hem
107660	19-Aug-06	KF	IGOR 24F	516875	7213088	2	chip	SLT	alt-oxi	Mod oxi leached SLT
107661	19-Aug-06	KF	IGOR 24F	516875	7213088	2	chip	SLT	alt-oxi	Heavily oxi leached SLT
107662	19-Aug-06	KF	IGOR 24F	516875	7213088	.10x.20	grab	SLT	alt-oxi	Heavily oxi leached SLT

APPENDIX IV

GEOPHYSICAL REPORTS

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108 Gold Road
Whitehorse, Yukon Y1A 3W2
Phone (867) 668-7672
Fax: (867) 393-3577

www.aurorageosciences.com
aurora@klondiker.com

MEMORANDUM

To: Doug Eaton, Bill Wengzyowski
Archer, Cathro & Associates (1981) Ltd.

Date: 18 Oct 06

From: Dave Hildes
dave-aurora@klondiker.com

Re: Igor-Angel-Vic 2006 gravity & mag surveys – preliminary report

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This memorandum is a preliminary report describing gravity and total magnetic field surveys conducted at the Igor, Angel and Vic Properties, Mayo Mining District, Yukon between July 08 and August 06, 2006. A total of 368 gravity points and 27.1 line-km of total magnetic field were surveyed on the Igor Property, 309 gravity points and 16.4 line-km of total magnetic field were surveyed on the Angel Property and 34 gravity points were surveyed on the Vic Property.

a. Crew and equipment.

The surveys were conducted by the following personnel:

Jeff Zurek	Crew chief
Rayal Fortin	Technician

The crew was equipped with the following instruments and equipment:

Gravimeter	1	Scintrex CG-5 s/n 911009188
DGPS base	1	Topcon GB-500 GPS s/n T652102, with PC-A1 antenna s/n 308-0428
	1	Pacific Crest data link s/n 04312544
DGPS rover	1	Topcon Hiper GPS s/n 251-1054 with Recon pocket PC
Magnetometers	3	GEM GSM 19 proton precession magnetometers s/n 2011133;

		2011135/R and GEM Overhauser magnetometer s/n 705678
Other	2	Non-differential GPS receivers
	1	Laptop with Geosoft, gravity and mag software.
	1	GlobalStar satellite phone with data package

b. Survey specifications.

The total magnetic field survey was conducted according to the following specifications:

Base station	Installed at 517692E, 7214113N (NAD83, UTM Zone 8N) and cycled at 5 s throughout the survey period.
Diurnal correction	Base and rover magnetometers were synchronized to GPS time prior to each survey day. Temporal geomagnetic variation was removed by linear interpolation using the base station data. Data collected during periods in which geomagnetic variation exceeds 5 nT / 5s were not included in the final data set.
Levelling	Each operator surveyed 15 stations in 4 directions on 2 orthogonal lines daily.
Station spacing	Nominal 12.5 m
Grid	No conventional grid was used. Directional guidance and station spacing was determined by non-differential GPS with individual station coordinated calculated by interpolating times and positions between GPS trackpoints, typically taken at 15 s intervals.

The gravity survey was conducted according to the following specifications:

Datums & projections	NAD83 UTM Zone 8N, elevations in metres above mean sea level using the World EGM96 geoid.
Station spacing	Igor Property; 25 m & 50 m
	Angel Property: 50 m
	Vic Property: 100 m
Station marking	Station hubs marked with flagged nails driven flush to ground level where possible.

Gravimeter preparation	The gravimeter was levelled and warmed up for a period of at least 48 hours to stabilize. Thereafter, the instrument was cycled for at least 48 hours taking readings for 120 seconds every 10 minutes to ensure the stable operation of the instrument. The instrument remained under power at all times throughout the survey operation.
Gravity reading	Readings were stacked for 60 s and the maximum standard deviation kept to less than 50 μGal if possible. If this was not possible, readings were repeated several times to ensure that the data were repeatable. Seismic filters were engaged to remove wind noise.
Gravimeter check-in	Readings were taken at a check-in point (517598.77E 7214026.159N, 1125.91 m), before and after daily survey. The location of the check-in was marked with a rock cairn. These readings were used for removal of remnant drift.
DGPS base	The DGPS base station was installed at 517510E, 7213584N, 1247 m for the Igor gravity survey, at 516905E E , 7187918N, 849 m for the Angel gravity survey and 512176E, 7170239N, 1829 m for the Vic gravity survey. The base was cycled at 5 s on July 25 and Aug 05 collecting data for DGPS post processing. For the rest of the survey, RTK-DGPS positioning was used.
DGPS rover	For post processing, stations were occupied for 3 minutes using a 3 second epoch. All RTK positions were processed to a fixed solution before being accepted. Repeat readings of a single station were made on 11 days using RTK positioning to estimate the accuracy of the RTK-DGPS survey.
Near station terrain measurements	Terrain elevations within 20 m of the gravity station were measured directly using a handheld clinometer.
Grid	No conventional grid was used. Station were located by GPS.

c. Data processing.

Total Magnetic Field

The total magnetic field data were registered to UTM coordinates by matching or interpolating between GPS track points, which were hand-edited first to eliminate spurious position records. The magnetic data were then corrected for diurnal corrections by linear interpolation using the base station magnetometer with a reference field of 58,500 nT. Each operator's data were levelled to a common datum using the 60 common points surveyed daily. The data were then despiked with a filter width of 1 and a threshold of 50 nT. The resulting data were gridded using a minimum curvature algorithm with a grid cell size of 15 m and 20 m for the Igor and Angel surveys respectively. The magnetic vertical derivative was calculated from these grids.

Hanning filters were passed over the grids (1 & 3 passes for Igor and Angel total magnetic field respectively and 3 & 5 passes for Igor and Angel calculated vertical magnetic gradient respectively.). These grids are displayed with contours and a linear colour scale.

Gravity

On July 25 and Aug 05, RTK solutions were not possible and post processing differential positioning was achieved using Topcon Tools. Elevation errors using post processing are typically in the order of 0.25 metres. On the Igor grid, the point where post processing was used are: L4195, stn 7850 to 7000; L4095, stn 7800 to 7000; L4295, stn 7000 to 7300. On the Vic grid, all points on L1 were post-processed for a differential position.

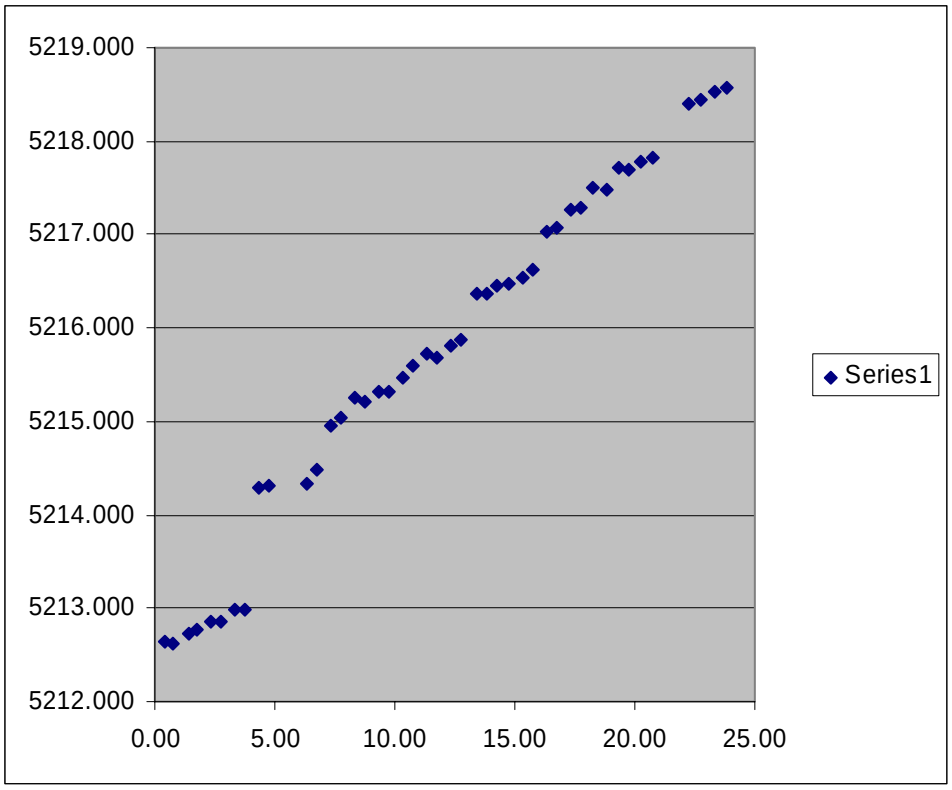
A series of repeat readings, tabulated below, were taken on 13 days to monitor the repeatability of the RTK-DGPS elevations. The maximum discrepancy from the mean is 4 cm and the standard deviation is 2 cm.

Easting	Northing	elevation
517598.69	7214026.13	1125.92
517598.58	7214026.14	1125.92
517598.91	7214026.26	1125.94
517598.74	7214026.11	1125.91
517598.78	7214026.03	1125.90
517598.85	7214026.29	1125.94
517598.96	7214026.20	1125.96
517598.90	7214026.15	1125.91
517598.84	7214025.98	1125.90
517598.86	7214026.19	1125.91
517598.78	7214026.03	1125.90
517598.85	7214026.29	1125.94

517598.77 7214026.16 1125.91

Datum shifts (-14 m for Igor, -15 m for Angel and -20 m for Vic) were applied to the GPS data to match the digital elevation model (DEM). In addition, where individual surveyed points differed from the DEM, the DEM points were removed in an area surrounding the gravity station and a new DEM generated to guarantee that the two data sets are consistent.

Tidal corrections to the data were performed based on latitude of 65.0 and longitude of -134.6. Remnant drift was corrected by linear interpolation between check-in points. As can be seen from the graph below with gravity in mGal on the y-axis and decimal days on the x-axis, the linear assumption of remnant drift is adequate. The tare in the drift data on day 4 is the result of the operator falling and two linear drift estimates were made for that day .



For the Igor gravity survey, latitude corrections were made using a centre latitude of 65.05 degrees, centred at UTME 517400 and UTMN 7213600 with a declination of 0.34 W. Free air corrections were made and Bouguer slab, Bullard-B and all terrain corrections were made using a density of 2.67 g/cm^3. Near station terrain corrections are made by Kane's method using measured relative elevation differences within 20 m of the station in 6 sectors. An inner 20 metres DTM with corners 514000E, 7210000N and 520860E, 7217300N, adjusted as required to be consistent with the DGPS survey was used to calculate an a second terrain correction using the flat-top prism method

(Nagy's Method).This inner DTM extends to approximately 3 km outside the survey area. Lastly a third terrain correction is applied using a 1000 m grid from the outside of the inner DTM to approximately 100 km outside the survey area. A line-mass method was used for this outer terrain correction.

For the Angel gravity survey, similar corrections were made as above except latitude corrections were made using a centre latitude of 64.75 degrees, centred at UTME 515000 and UTMN 7190000 with a declination of 0.30 E. The inner DTM had corners 512300E, 7183840N and 520200E, 7192360N.

For the Vic gravity survey, similar corrections were made as above except latitude corrections were made using a centre latitude of 64.7 degrees, centred at UTME 511000 and UTMN 7170800 with a declination of 0.2 W. The inner DTM had corners 506800E, 7166340N and 515160E, 7175040N.

All corrections were made using Gravred2, proprietary software developed by Amerok Geosciences Ltd. except the tidal corrections which were made with ETGTAB, software developed at the University of Karlsruhe.

Repeat readings were averaged using a weighted mean based on the standard deviation of the individual readings. The Final gravirty was gridded with 12.5 m cells for the Igor survey, 25 m cells for the Angel survey and 125 m cells for the Vic survey using a minimum curvature algorithm. The grids were upward continued to 1000 m and subtracted from the original grid to remove long wavelength trends. All grids are displayed using a linear colour scheme.

d. Products.

The following data files are appended to the digital version of this report

Data\Igor 2006 Mag.xyz Data\Igor 2006 Mag.gdb Data\Igor 2006 Grav.xyz Data\Igor 2006 Grav.gdb Data\Angel 2006 Mag.xyz Data\Angel 2006 Mag.gdb Data\Angel 2006 Grav.xyz Data\Angel 2006 Grav.gdb Data\Vic 2006 Grav.xyz Data\Vic 2006 Grav.gdb	Final data in Geosoft database and ASCII xyz format.
Figures\Igor Grav.pdf Figures\Igor Grav Trend Removed.pdf	Maps of gridded Bouguer anomaly without and with the long wavelength trend removed. Elevation contours are also plotted. Igor maps are plotted at a 1:2500 scale, Angel maps at a

Figures\Angel Grav.pdf Figures\Angel Grav Trend Removed.pdf Figures\Vic Grav.pdf Figures\Vic Grav Trend Removed.pdf Figures\Igor Mag.pdf Figures\Igor Vertical Mag Gradient.pdf Figures\Angel Mag.pdf Figures\Angel Vertical Mag Gradient.pdf	1:5000 scale and Vic maps at a 1:10000 scale. Gridded total magnetic field and vertical magnetic gradient maps at a 1:5000 scale for the Igor and Angel properties. No magnetic survey was conducted on the Vic Property
Raw	A folder with all the raw instrument dump files.
Igor-Angel-Vic 2006 Gravity & Mag Preliminary Report.pdf	A PDF of this report.

e. Preliminary results

- The Igor gravity survey identified a 1 to 2 mGal anomaly with a width of 200 m EW , striking 650 NS in the central part of the grid. The gravity anomaly is within an area where there are several smaller scale, high amplitude (>1000 nT) total magnetic field anomalies.

- The Angel gravity survey identified a 4 to 5 mGal anomaly with a width of 450 m EW, striking 1500 m NS along the flank of the valley on the eastern side of the grid. The central and strongest part of the Bouguer anomaly is coincident with a total magnetic field anomaly greater than 1000 nT.

- The Vic gravity survey identified a 3 to 4 mGal Bouguer anomaly ridge approximately 700 m wide, open to the northeast and the south.

Respectfully submitted,
AURORA GEOSCIENCES LTD.

Dave Hildes, Ph.D., P. Geo.,
Geophysicist

SUMMARY

An airborne geophysical survey program was completed over the Wernecke Properties, northern Yukon, situated approximately 200 km to the north east of Mayo, Yukon Territories under contract to Archer, Cathro & Associates (1981) Ltd., signed October 24, 2005 and amendments were made on March 06, 2006. The project consisted of a fixed-wing magnetic survey.

Data acquisition was initiated on November 2005 and was completed June 2006. Mobilization of the equipment and personnel to the survey area was completed on November 09, 2005 and 11% of the area with production flights was completed by December 09, 2005. The data acquisition of remaining 89% area was carried out, again during the period of April 11, 2006 to June 13, 2006.

First tests and calibrations flight was completed on November 20, 2005 and remaining tests and calibrations flights were completed on April, May & June 2006 respectively. The final survey flight was completed on June 12, 2006. A total of 13,092 line-kilometres of data were acquired. The survey was flown over five blocks; Block 'A', Block 'A' Infill, Block 'B' Block 'B' south extension and Block 'B; west extension with a nominal mean terrain clearance of 100 metres. The flight lines were oriented at specific directions and spacing explained in the table1.



Figure 1: Aerial photograph of survey area

1. INTRODUCTION

A detailed fixed-wing magnetic survey was carried out during the period of November 09, 2005 to June 13, 2006 on behalf of Archer, Cathro & Associates (1981) Ltd., hereinafter referred to as "Archer, Cathro", by McPhar Geosurveys Ltd, hereinafter referred to as "McPhar", over five blocks situated Wernecke Properties, northern Yukon, situated approximately 200 km to the north east of Mayo, Yukon Territories, Canada.

The purpose of the survey was to acquire high-resolution geophysical data to map the geophysical characteristics of the geology and structure in an effort to provide an insight into geologic and geophysical settings conducive to (Au) mineralization.

Table 1: Archer, Cathro Project, Yukon Territories, Survey Areas Descriptions

AREA NAME	LINE /T.L. SPACING	FLIGHT LINE-KM	TIE LINE-KM	TOTAL LINE-KM	MAIN FLIGHT DIRECTION
Wernecke Block A	350 x 4,000 m	7,898	724	8,622	NE - SW
Infill Block A	150 m	230	0	230	N - S
Wernecke Block B	350 x 3,500 m	1,303	148	1,451	ENE - WSW
Extension Block B West	350m x 3,650m	1,359	155	1,514	345.5^0 / 255^0
Extension Block B South	350 x 3,500 m	1,119	117	1,236	255^0 / 344^0
Totals		**11,909**	**1,144**	**13,053**	

Magnetic data acquisition involved the use of GPS positioning and one high sensitivity magnetometer installed in the tail stinger of a fixed-wing aircraft to measure the Earth's magnetic field. In this instance the aircrafts used were PA-31 Piper Navajo aircraft with Canadian registration C-FFRY supplied by Aries Aviation of Calgary, Alberta and C-GPVN Bruce land Air of Wiarton, Ontario, Canada respectively.

Installation of the survey equipment into aircraft C-FFRY was completed in Calgary prior to mobilization. Pre-survey test and calibration flights were undertaken over the period of November 20, 2005 and data acquisition was initiated on November 27, 2005. The last survey flight was conducted on December 09, 2005 and then the client stopped the survey due to poor weather.

Remobilization of aircraft C-GPVN, equipment and personnel to Mayo was accomplished on April 13, 2006. Installation of the survey equipment into the aircraft and pre-survey test flight was undertaken on April 11, 2006 at Norman Wells, NWT, Canada. The final survey flight was completed on June 12, 2006.This report describes the data acquisition and processing procedures, parameters and delivery products for this survey.

2. SURVEY AREA

The survey consisted of five blocks identified as Block 'A', Block 'A' Infill, Block 'B' Block 'B' south extension and Block 'B; west extension approximately 200 km north east of Mayo, Yukon Territories. The primary objective of the survey was to acquire geophysical data in support of (mineral) exploration.

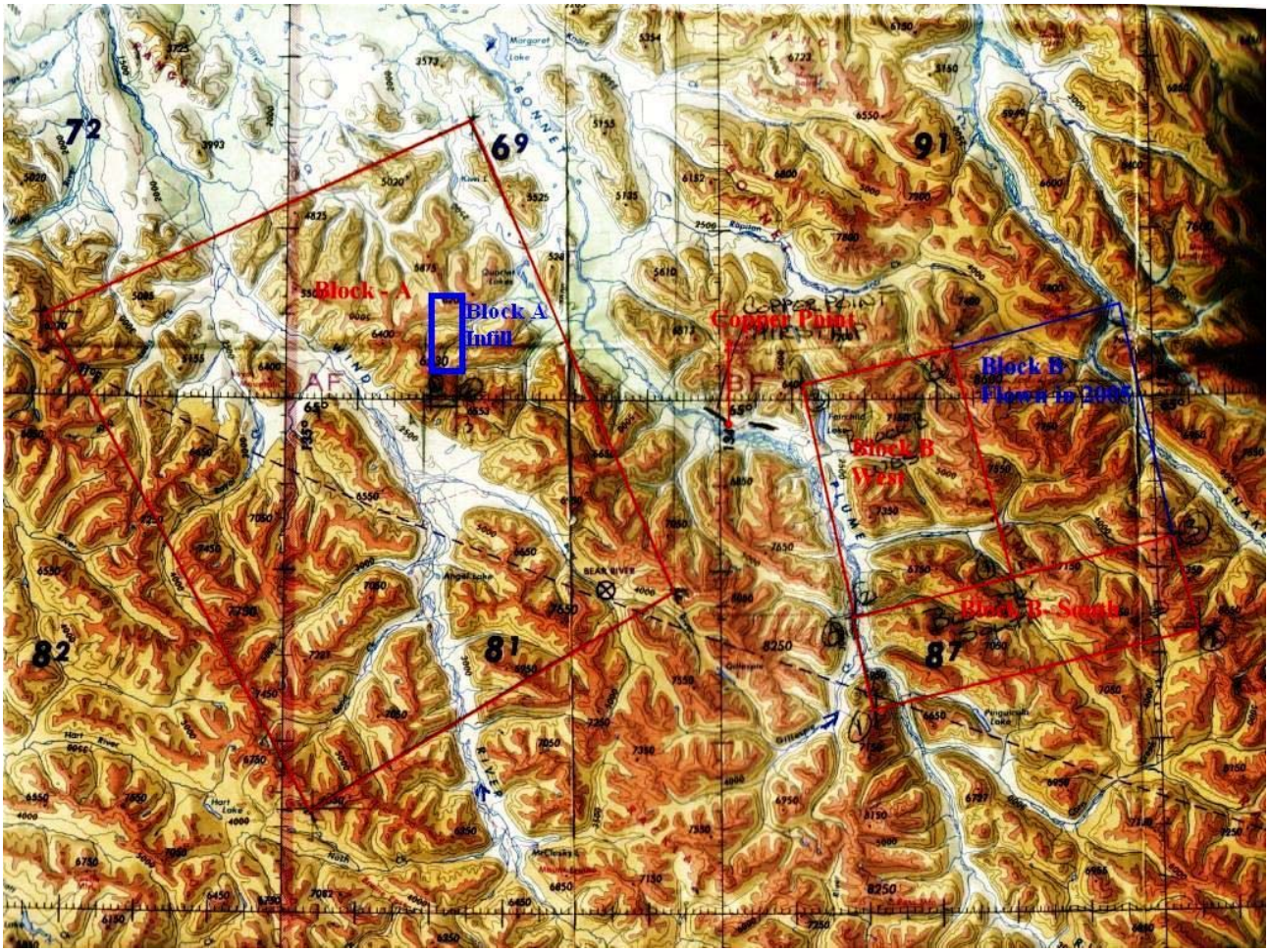


Figure 2: Location of survey areas

The topography of the Wernecke survey areas is variable, from narrow valleys to steep mountain slopes with incised river valleys with steep cliffs. The elevation ranged from approximately 150 metres to over 2800 metres above sea level. Weather conditions during the survey were typically in the -35°C to +16°C. Conditions varied from clear to cloudy, freezing rain, snow showers, and at times windy. More often than not, these poor weather conditions kept the survey crew grounded and thus the number of standby days accumulated.

The corner coordinates of the blocks were provided by Archer Cathro, and are presented in the following table. All coordinates are NAD83, UTM Zone 8N.

Table 2: Project Survey Areas Coordinates

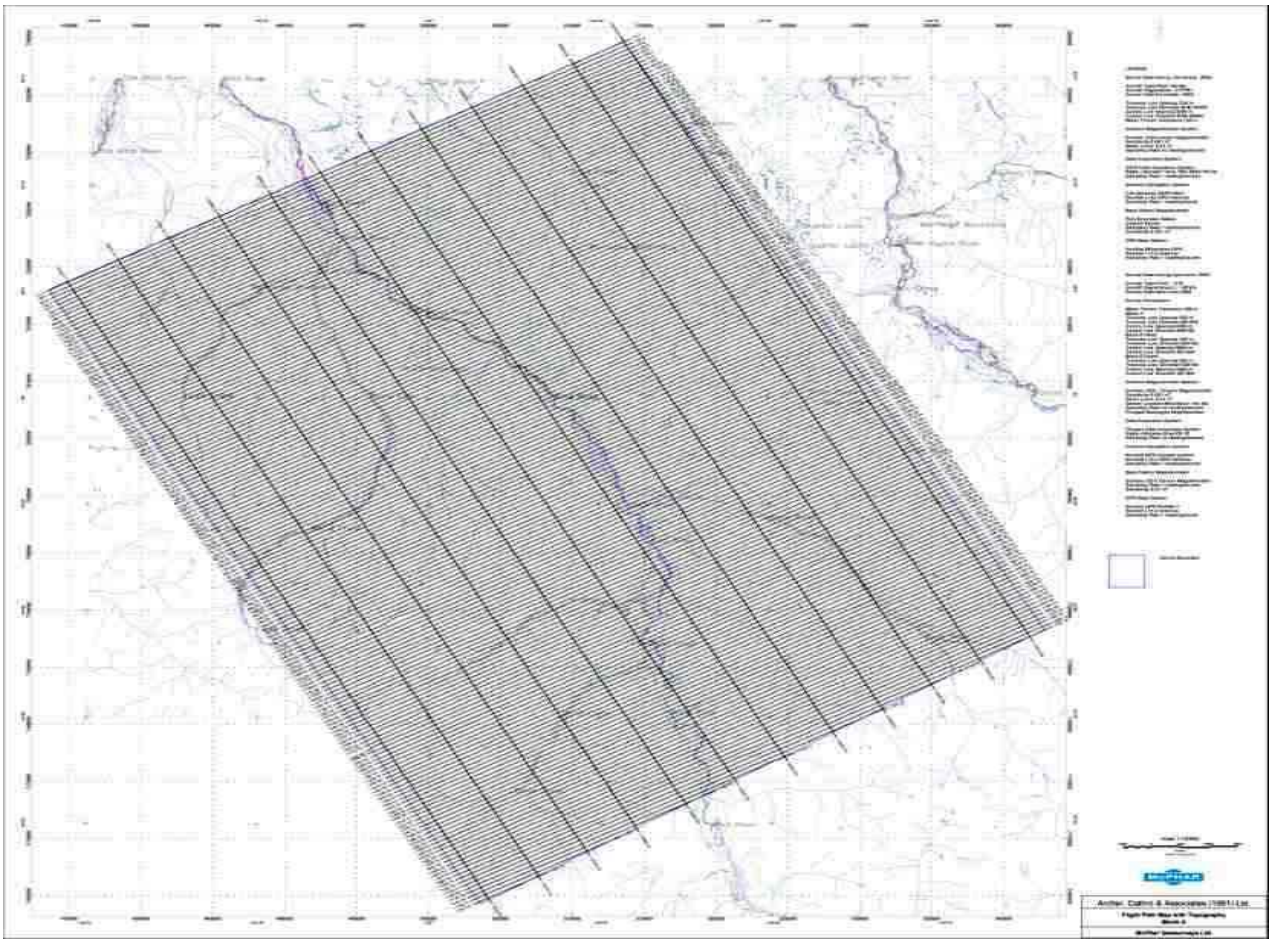
Wernecke Block A		
UTM Zone 8, NAD 83		
Corner	**Easting**	**Northing**
NE corner	513590E	7239650N
NW corner	473600E	7218000N
SW corner	503600E	7164300N
SE corner	542850E	7188300N

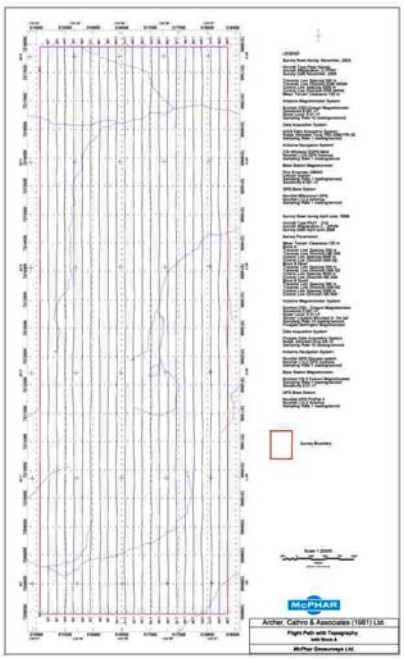
INFILL Area - Wernecke Block A		
UTM Zone 8, NAD 83		
Corner	**Easting**	**Northing**
NE corner	515060	7217960
NW corner	518360	7217960
SW corner	515060	7207960
SE corner	518360	7207960

Wernecke Block B - West		
UTM Zone 8, NAD 83		
Corner	**Easting**	**Northing**
SE corner	579275	7190075
SW corner	562000	7185500
NW corner	556200	7210750
NE corner	572800	7215125

Wernecke Block B		
UTM Zone 8, NAD 83		
Corner	**Easting**	**Northing**
NE corner	590750E	7219400N
NW corner	573200E	7215500N
SW corner	578750E	7190500N
SE corner	596000E	7194500N

Wernecke Block B - South		
UTM Zone 8, NAD 83		
Corner	**Easting**	**Northing**
SE corner	599495	7185050
SW corner	564310	7175565
NW corner	562000	7185500
NE corner	596500	7194800





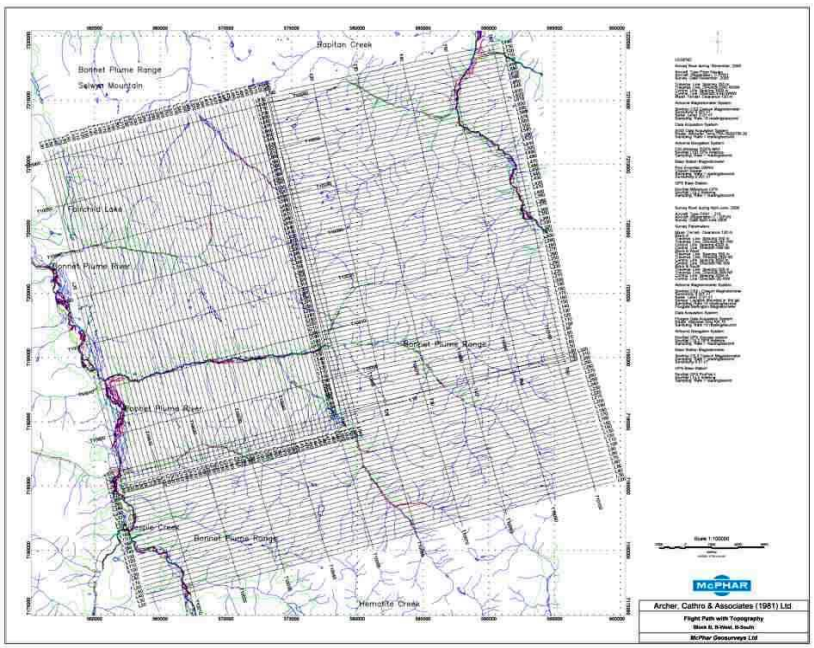


Figure 3:Flight Path with topography, all Blocks

3. SURVEY OPERATIONS

3.1 Operations Base

Survey operations were based out of the airport of the Mayo. Permission was obtained to operate, park and refuel the aircraft at the airport. The GPS base station antenna and the magnetic base station sensor was positioned approximately 5 kilometres from the airport.



Figure 4: Base Station system with Antena (2005)

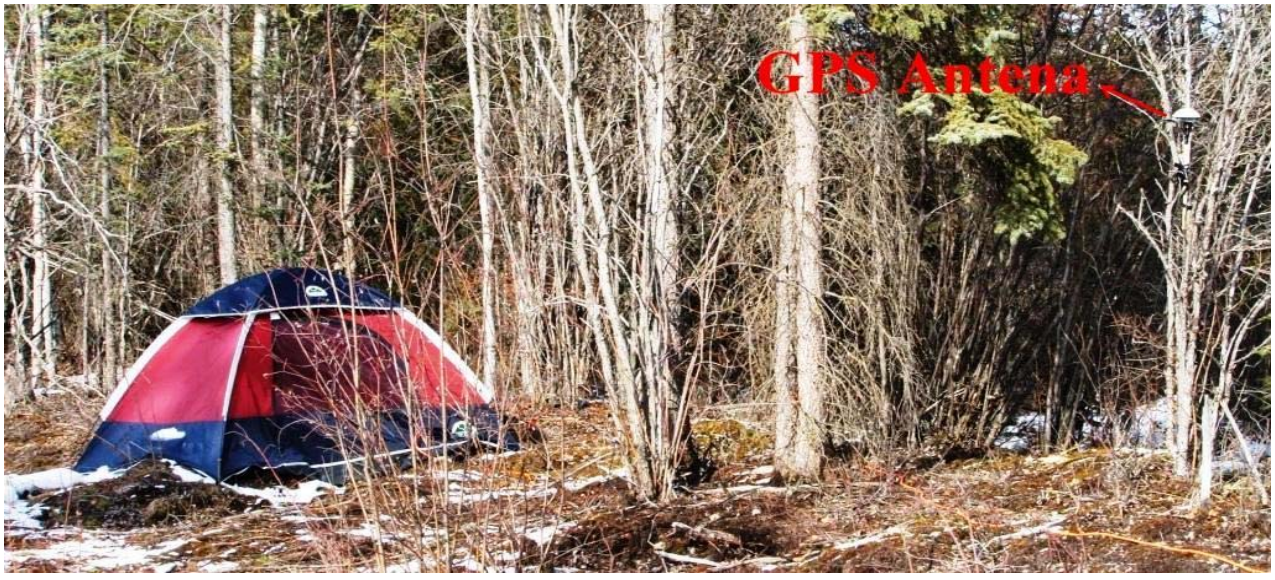


Figure 5: GPS Base Station system with Antena (2006)



Figure 6: Magnetic Base Station system with sensor

Initial Quality Control and Preliminary data processing was undertaken at a temporary data processing centre set up at the Bed Rock Motel in the town of Mayo.

3.2 Survey Conditions

Weather conditions during the survey were varied, ranging from occasionally good with clear skies and cloud cover, to low clouds overcast, freezing rain, snow showers and windy. The temperature ranged from a low -35° Celsius to +16° Celsius. During the whole survey, a total of sixty days were lost as the result of bad weather.

Sunspot activity, and hence diurnal geomagnetic activity, varied from quiet to active during the data acquisition period. No data were lost due to the geomagnetic activity being out of contract specification.

3.3 Navigation

The nominal data acquisition speed was 220 kilometres per hour. Scan rates for the magnetic data acquisition was 0.05 second, 0.1 second for the radar altimeter, and 1.0 second for the GPS navigation/positioning system. Therefore, there is a magnetic value recorded at an approximate interval of 3.25 metres and a position fix at an approximate interval of 60 metres along the flight track.

Navigation was assisted through use of a GPS receiver system that reported GPS co-ordinates in WGS-84 latitude and longitude, directing the pilot over a pre-programmed two-dimensional (2-D) survey grid. The x-y position of the aircraft reported by the GPS system was recorded together with the terrain clearance as reported by the radar altimeter. For surveying purposes, the coordinates of the survey area were transformed from WGS84 latitude and longitude to the NAD83, UTM 8N coordinates system.

Vertical navigation along flight lines was enabled by using the radar altimeter. The optimum terrain clearance during normal survey flying was 100 metres for the aircraft and geophysical instrumentation. However, due to rugged terrain in some areas, and the pilot's judgment of safe flying conditions in these areas, these terrain clearances were not possible 100% of the time. The final vertical and horizontal survey positions were differentially corrected in real-time to a precision of approximately +/- 1.5 metres.

Projection information:

Projection type: NAD83, UTM Zone 8N
Spheroid: Transverse Mercator
Base latitude: 0 degree
Base longitude: -135 degree
Scaling factor: 0.9996
False easting: 0
False northing: 500000
Local Transform: World Geodetic System

3.4 Field Processing & Quality Control

The survey data was transferred to portable magnetic media on a flight-by-flight basis, and then copied to the field data processing workstation. In-field data processing included: reduction of the data to Geosoft GDB database format, post-flight compensation of the magnetometer data using McPhar's CCMAG software, and inspection of all data for adherence to contract specifications. Survey lines which showed excessive deviation, or which were considered to be of inferior quality, for whatever reason, were reflown.

3.5 Survey Statistics and Project Diary

The survey entailed a total of 40 flights; of which 26 flights were production flights. The first production flight was Flt #2 on November 20, 2006, with the last production flight, Flt #32 on June 12, 2006.

McPhar Geosurveys Ltd. of Newmarket, Ontario, Canada, was responsible for the field operations, all geophysical matters and the overall coordination and management of the survey.

Table 3: Project Diary

Date 2006	Flt #	Hours Flown	Line-Km Accepted	Comments
10-11-05				Crew arrived at Mayo, Yukon Territories
11-11-05				Waiting for the plane from Whitehorse
12-11-05				Plane arrived from Whitehorse, setup base station And program AGIS
13-11-05				Waiting for drape file from office
14-11-05				Installed drape file and ready for survey,Poor weather
15-11-05				Poor weather, snow storm, Standby Day
16-11-05				Poor weather, snow storm, Standby Day
17-11-05				Poor weather low ceiling, snow storm, Standby Day
18-11-05				Poor weather low ceiling, snow, Standby Day
19-11-05				Poor weather low ceiling, freezing rain, Standby Day
20-11-05	**1**	**1:28**		Flight aborted due to bad weather, Back to Mayo and performed the Tests
21-11-05				Poor weather low ceiling, freezing rain and snow Standby Day
22-11-05				Poor weather low ceiling, freezing rain and snow Standby Day
23-11-05				Poor weather low ceiling, freezing rain and snow Standby Day
24-11-05				Poor weather low ceiling, freezing rain and snow Standby Day
25-11-05				Poor weather low ceiling, freezing rain and snow Standby Day
26-11-05				Poor weather low ceiling, freezing rain and snow Standby Day
27-11-05	**2**	**5:25**	**506**	Flown at block 'B'. Production flight
28-11-05	**3**	**1:22**		Flight aborted due to high turbulance, Standby Day
29-11-05	**4**	**5:30**	**751**	Flown at block 'B'. Production flight
30-11-05				Low ceiling, less visibility, snow showers and freezing drizzel, Standby Day
01-12-05				Low ceiling, less visibility, snow showers, Standby Day
02-12-05	**5**	**2:05**		Flight aborted due to RAD Alt problems
03-12-05				Diurnal active, Standby Day
04-12-05	**6**	**5:37**	**194**	Finished Block 'B' and also started Block ' A'
05-12-05	**7**	**1:17**		Flight aborted due to high turbulance, Standby Day
06-12-05				Low ceiling, less visibility, snow showers and gusty wind, Standby Day
07-12-05				Low ceiling, less visibility, snow showers and gusty wind, Standby Day
08-12-05	**8**	**0:31**		Flight aborted due to bad weather, Standby Day
09-12-05				Demoblization, project stopped by client and will be started next year
11-04-06				Test and calibration flight at Norman Wells, NWT
12-04-06				Mobilizing to Mayo, QA /QC Geophysicist stuck in Whitehorse and remaing crew in Norman Wells due to bad weather

13-04-06				QA /QC Geophysicist arrived at Mayo, Setup the base station, remaing crew stuck in Norman Wells due to bad weather
14-04-06				Crew stuck in Norman Wells due to bad weather
15-04-06				Crew stuck in Norman Wells due to bad weather
16-04-06				Crew stuck in Norman Wells due to bad weather
17-04-06				Crew arrived at Mayo, couldnt have production flight at afternoon due to low ceiling, Standby Day
18-04-06				Low ceiling, less visibility, Standby Day
19-04-06				Low ceiling, less visibility, snow showers, Standby Day
20-04-06	**1**	**1:26**		Flight aborted due to bad weather, Standby Day
21-04-06	**2**	**1:04**		Flight aborted due to bad weather, Standby Day
22-04-06	**3**	**2:38**	**182**	Flown on Block 'A', Flight aborted due to high turbulance, Production flight
23-04-06				Cloudy with wet snow and light rain, Standby Day
24-04-06				Cloudy with wet snow, rain & high wind, Standby Day
25-04-06				Cloudy with light rain & high wind, Standby Day
26-04-06	**4**	**3:00**	**152**	Flown at Block 'B' south, Flight aborted due to bad weather, Standby Day
27-04-06				Overcast all day, Standby Day
28-04-06				Cloudy with light rain & snow, Standby Day
29-04-06				Overcast all day, Standby Day
30-04-06	**5**	**2:28**		Flight aborted due to bad weather, Performed Heading Test, Standby Day
01-05-06	**6**	**4:42**	**568.2**	Flown at Block 'B' south & Block 'B' west, Production flight
02-05-06	**7**	**2:40**	**241**	Flown on Block 'A', Flight aborted due to high turbulance and low ceiling, Production flight
03-05-06				Overcast all day, Standby Day
04-05-06				Overcast all day, Standby Day
05-05-06				Overcast & diurnal active all day, Standby Day
06-05-06				Diurnal stormy to active all day, Standby Day
07-05-06				Overcast & diurnal active all day, Standby Day
08-05-06	**8** **9**	**4:55** **0:36**	**652.5**	Block 'B' south is completed, Production flight Second flight aborted due to bad weather
09-05-06				Overcast all day, Standby Day
10-05-06	**10**	**3:03**	**232.5**	Flown at Block 'B' west, Flight aborted due to bad weather, Production flight
11-05-06				Overcast all day, Standby Day
12-05-06				Overcast & diurnal active all day, Standby Day
13-05-06				Overcast & diurnal active all day, Standby Day
14-05-06	**11** **12**	**5:06** **4:09**	**1126.1**	Two production flights Block 'B' west is completed
15-05-06	**13**	**4:29**	**640.8**	Flown at Block 'A'. Production flight
16-05-06				Heavy rain at AM and low ceiling at PM, Standby Day
17-05-06	**14**	**0:45**		Flight aborted due to bad weather, Standby Day
18-05-06				Overcast all day, Standby Day
19-05-06	**15**	**4:54**	**826.9**	Flown at Block 'A'. Production flight
20-05-06	**16**	**5:12**	**917.7**	Flown at Block 'A'. Production flight
21-05-06	**17**	**2:22**		Flight aborted due to bad weather, FOM test

				performed for Block'B'. Standby Day
22-05-06				Overcast all day, Standby Day
23-05-06				Overcast all day, Standby Day
24-05-06	**18**	**2:08**		Flight aborted due to bad weather, FOM test performed for Block'B'. Standby Day
25-05-06	**19**	**3:57**	**641.7**	Flown at Block 'A'. Production flight
26-05-06	**20**	**2:00**	**91**	Flight aborted due to high turbulance, Standby Day
27-05-06				Overcast all day, Standby Day
28-05-06	**21**	**1:25**	**91**	Flight aborted due to high turbulance, Standby Day
29-05-06	**22**	**4:49**	**756**	Flown at Block 'A'. Production flight
30-05-06	**23**	**1:00**		Flight aborted due to bad weather, Standby Day
31-05-06				Overcast all day, Standby Day
01-06-06				Overcast all day, Standby Day
02-06-06	**24**	**4:49**	**822.4**	Flown at Block 'A'. Production flight
03-06-06	**25**	**5:09**	**915.1**	Flown at Block 'A'. Production flight
04-06-06				Overcast all day, Standby Day
05-06-06	**26**	**4:03**	**366.6**	Flown at Block 'A' & Infill 'A'. Production flight
06-06-06	**27**	**2:32**	**273.8**	Flown on Block 'A', Flight aborted due to high turbulance and low ceiling, Production flight
07-06-06	**28**	**0:45**		Flight aborted due to bad weather, Radar Test performed, Standby Day
08-06-06	**29**	**4:36**	**731**	Flown at Block 'A'. Production flight
09-06-06				High winds and turbulance all day, Standby Day
10-06-06	**30**	**1:27**	**45.7**	Flight aborted due to high turbulance, Standby Day
11-06-06	**31**	**5:23**	**593**	Flown at Block 'A'. Production flight
12-06-06	**32**	**5:16**	**735**	Flown at Block 'A' & Block 'B' west added tie line Production flight
13-06-06				Demoblization
	Totals:	**128:05**	**13,053**	

The following personnel comprised the onsite crew for the project at Mayo in 2005 & 2006:

Table 4: Onsite Personnel

Title	Name	Days Onsite
Project Manager (2006)	Kevin Lindsay	57
QC Geophysicist (2005)	Adam Barrett	29
Operator (2005)	Adam Barrett	29
Aircraft Pilot (2005)	Rory Clayton	29
QC Geophysicist (2006)	Asif Mirza	61
Operator (2006)	Kevin Lindsay	57
Operator (2006)	Jan Niemeijer	57
Aircraft Pilot (2006)	Marieke Niemeijer	57

4. AIRCRAFT AND EQUIPMENT

4.1 The Aircraft

The survey was flown using a PA-31 Piper Navajo aircrafts with Canadian registration C-FFRY supplied by Aries Aviation of Calgary, Alberta and C-GPVN Bruce land Air of Wiarton, Ontario, Canada respectively. The aircrafts were modified as a geophysical survey platform, and features one high sensitivity magnetometer installed in a tail stinger. This aircraft can acquire aeromagnetic data at nominal survey airspeed of 135 knots (Approx. 230 km/hour) with has approximately 6 hours flight duration including the geophysical system and a crew of 2 persons onboard.



Figure 7: PA-31 Piper Navajo aircraft with Canadian registration C-FFRY (2005)



Figure 8: PA-31 Piper Navajo aircraft with Canadian registration C-GPVN (2006)

Mobilization of the aircraft, equipment and personnel to Mayo was again accomplished on April 13, 2006. Installation of the survey equipment into the aircraft and pre-survey test flight was undertaken on April 11, 2006 at Norman Wells, NWT, Canada. The final survey flight was completed on June 12, 2006.

McPhar personnel at the Calgary, Alberta and Norman Wells, NWT, CANADA carried out the installation of the geophysical and ancillary equipment, respectively. After the aircraft's arrival, final adjustments, calibration and testing was completed in Mayo, Yukon Territories, prior to production survey flights commencing.

Aircraft Model:	-	Piper Navajo
Aircraft Registration:	-	Canadian, C-FFRY
Engine:	-	2 x Textron Lycoming TIO-540-A2C
Empty weight:	-	3,759 lbs / 1,709 kg
Gross weight:	-	6,500 lbs / 2.955 kg
Fuel Capacity:	-	350 gal / 1,330 litres
Survey speed:	-	120-160 knots / 220-295 km/h
Survey duration:	-	7.5 hours
Ferry:	-	185 knots / 340 km/h
Cruise range:	-	1.295 nm/ 2300 km
Max. Alt:	-	26,000 ft / 8092 m

Aircraft Model:	-	Piper Navajo
Aircraft Registration:	-	Canadian, C-PGVN
Engine:	-	2 x Textron Lycoming TIO-540-A2C
Empty weight:	-	4,336 lbs / 1,966 kg
Gross weight:	-	6,770 lbs / 3,070 kg
Fuel Capacity:	-	240 gal / 1,019 litres
Survey speed:	-	120-160 knots / 220-295 km/h
Survey duration:	-	4:45 hours
XC:	-	160 knots
Cruise range:	-	1,040 nm/ 1926 km
Max. Alt:	-	1,000 ft

4.2 The Survey Instrumentation

4.2.1 Survey System Overview

The instrumentation installed in the aircraft included:

- One Scintrex CS-2 high resolution cesium magnetometer (2005)
- One Scintrex CS-3 high resolution cesium magnetometer (2006)
- Pico-Envirotec AGIS 100 Data Acquisition System (2005)
- Fluxgeo Data Acquisition System (2006)
- NovAtel GPS Glonass System
- NovAtel L1/L2 Antenna
- Instrumentation Rack and Power Distribution System

The processing and base stations comprised:

- A Field Workstation, comprising a portable Pentium PC, printer and full data processing software (Waypoint Navigation GrafNav GPS Processing Software,CCMag Magnetic Compensation Software and Geosoft Montaj Processing Software)
- A Magnetometer Base Station, comprising a GEM GSM-19 Proton magnetometer (2005)
- A Magnetometer Base Station, comprising a Scintrex CS-3 High Resolution cesium magnetometer and KMAG 4 mag counter (2006)
- NovAtel ProPak II GPS System
- NovAtel L1/L2 Antenna
- A complement of spare parts and test equipment were maintained at the survey site.

4.2.2 Airborne Magnetometer

A Scintrex CS-2 & CS-3 cesium split-beam total-field magnetometer was installed in the tail stinger of the aircraft, respectively. Sampling rate was ten (10) times per second with an in-flight sensitivity of 0.001 nT. Aerodynamic magnetometer noise was +/- 0.01 nT. The sensitivity of the magnetometer was recorded at 0.001 nT when operated at a sampling rate of 0.1 second.



Figure 9: Tail stinger of the aircraft with CS-3 Mag sensor

The magnetic Figure-of-Merit (FOM) of the aircraft was determined using the Geological Survey of Canada's method, and was demonstrated to be better than 1 nT. The Scintrex CS-3 magnetometer is described in Appendix 1.

4.2.3 Magnetic Compensation

Compensation for the orientation and movement of the aircraft in the Earth's ambient magnetic field was undertaken post flight using a proprietary program "CCMAG" installed on the Field Workstation. The Larmor frequency output of the cesium magnetometer sensor was processed by a high precision frequency counter in the Fluxgeo and AGIS 100 / MMS-4 data acquisition systems (resolution of 0.001nT at a sampling rate of 10 times per second). A three-axis Bartington fluxgate magnetometer monitored the attitude and motion of the aircraft in flight. The output from this fluxgate magnetometer, or attitude sensor, was then used in the "CCMAG" processing of the raw magnetic data to produce magnetic data compensated for the orientation and motion of the aircraft in the Earth's magnetic field.

The CCMAG post-flight compensation program is described in Appendix 2.

4.2.4 The Base Station Magnetometer

The magnetometer base stations used were comprised of a GEM System GSM 19 base station data recorder, proton magnetometer and KMAG 4 mag counter utilizing a Scintrex CS-3 cesium magnetometer to monitor and record diurnal variations of the Earth's magnetic field. The base station magnetometers were set up at the distance of 5 kilometres from Mayo airport. Every effort was made to ensure that the magnetometer sensor was placed in a location of low magnetic gradient and sited away from electric transmission lines, and moving ferrous objects, such as motor vehicles and aircraft.



Figure 10: Base station magnetic system (2005)

The base-station magnetometer was operated continuously throughout the airborne data acquisition phase at sample rate at 1.0 second of a sensitivity of 0.01 nT. The ground and airborne system clocks were synchronised using GPS time, to an accuracy of 1 second or better. A continuously updated profile plot of the base station values was presented on the base station screen. At the end of the day, the digital data was transferred from the base station's data-logger to the fieldwork station.

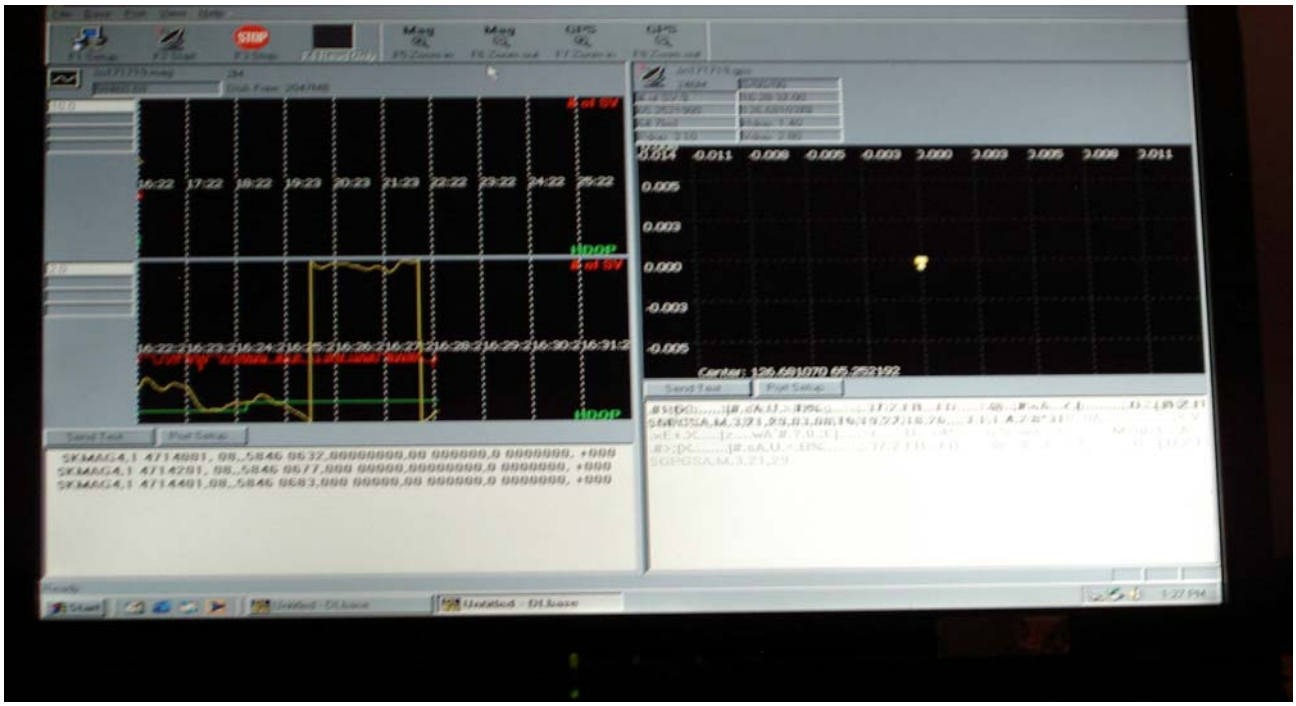


Figure 11: Base station magnetic system (2006)

4.2.5 Altimeter

The Terra TRA-3000/TRI-30 and King KP-10 radar altimeter systems were used to record the aircraft terrain clearance to an accuracy of less than 1 metre (approximately 3 ft), over a range of 40 ft to 2,500 ft. The altimeter was interfaced to the data acquisition system with an output repetition rate of 0.1 second, and were digitally recorded.

4.2.6 The GPS Satellite Navigation System

A CSI-Wireless DGPS MAX navigation system input to a navigation computer and pilot steering indicator (PSI) provided the navigation control. The PSI provided steering and cross-track guidance to the pilot. The pilot was provided with GPS and altimeter data to aid in the flying of the aircraft.

The co-ordinate system employed in the survey design and digital recording was WGS84 latitude and longitude. The GPS positional data was recoded at one second intervals and used with data obtained from three different differential services: Space Based Augmentation Systems (SBAS), OmniSTAR, and DGPS beacon stations, to calculate real-time differentially corrected locations. The GPS ground base station, comprised of NoveAtel ProPak II GPS System with Aero Antenna AT, recorded GPS data on a Pocket PC Based Data Logger *(2005)*.

A NovAtel high-performance navigation/positioning system was used on the aircraft. This system consisted of a NovAtel GPS/GLONASS receiver and NovAtel L1/L2 Antenna. A pilot steering indicator, providing steering instructions to the pilot in three dimensions, was installed on top of the

cockpit dashboard. The indicator was connected to the Fluxgeo data acquisition system. A GPS ground base station, comprising a NovAtel ProPak II GPS receiver and NovAtel L1/L2 Antenna, was set up near a hut in Mayo. The GPS data was recorded on a Notebook PC-data logger for post-survey differential corrections (using GrafNav software). The GPS receivers are fully described in Appendix 2.

Survey co-ordinates were set-up prior to commencement of the survey and the information located into the airborne navigation system. The co-ordinate system employed in the survey design and digital recording was WGS-84 latitude and longitude. The GPS positional data was recorded at one-second intervals and used with the base station data to calculate differentially corrected locations *(2006)*.

This navigation system yielded a real-time positional accuracy of better than ± 2 metres.

4.2.7 Data Acquisition/Recording System

The PC-based AGIS 100 and Fluxgeo data acquisition systems were used to record the geophysical and navigation survey data on an internal hard disk drive. Data was displayed on an LCD screen as profile traces to allow the operator to monitor the integrity of the system. The system provides for the:

- System control and monitoring
- Data acquisition recording
- Real-time data processing
- Navigation processing, and
- Post flight data playback and analysis

All data collection routines, checking and verification, buffering, and recording are software controlled for maximum flexibility both during and after the survey flight.

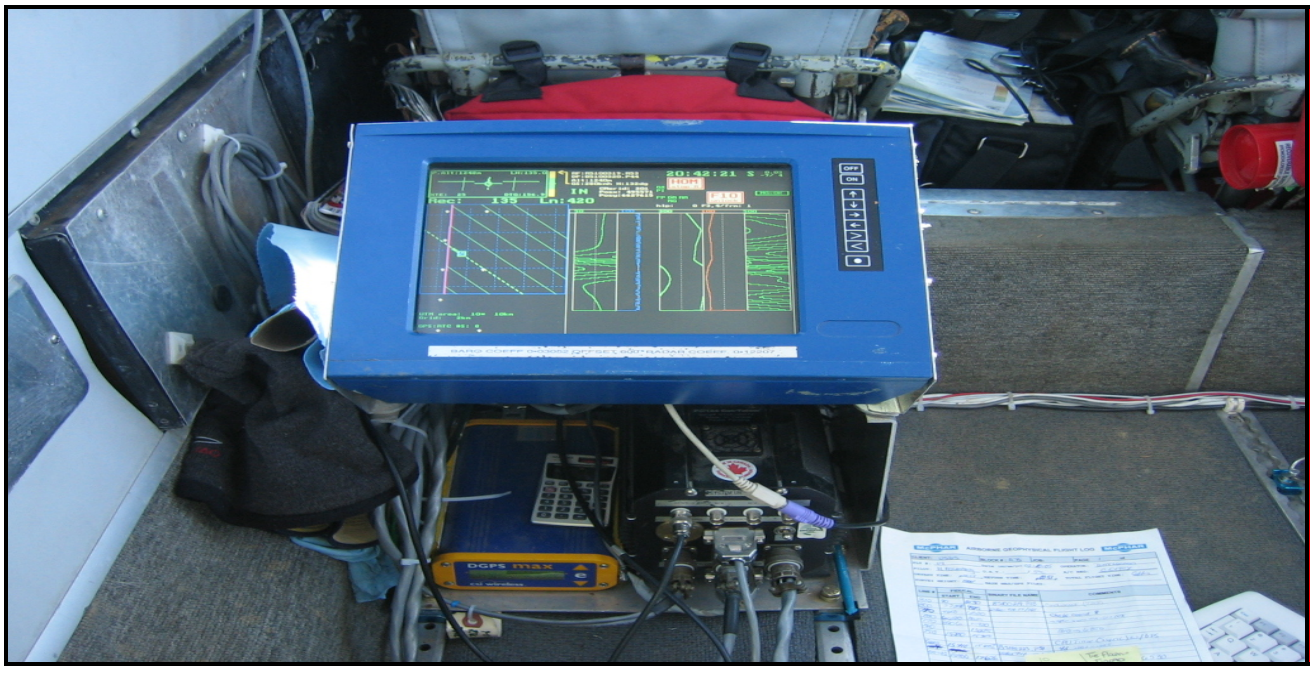


Figure 12: AGIS 100 Data Acquisition System installed in C-FFRY (2005).



Figure 13: Fluxgeo Data Acquisition System installed in C-GPVN (2006)

4.2.8 Field Computer Workstations

A Data Processing Field Workstation (FWS) comprised of a dedicated PC-based notebook computer for use at the technical base in the field, was used on this project. The FWS is designed for use with Geosoft OASIS/Montaj Data Processing Software. The FWS has a data replot capability, and may be used to produce pseudo-analogue charts from the recorded digital data within less than 12 hours after the completion of a survey flight, if this is necessary. It is also capable of processing and imaging all the geophysical and navigation data acquired during the survey, producing semi-final, preliminary-levelled maps.

The FWS was used to accomplish the following:

- **Quality Control/Digital Data Verification** - flight data quality and completeness were assured by both statistical and graphical means on a daily basis
- **Flight Path Plots** - flight path plots were generated from the GPS satellite data to verify the completeness and accuracy of each day's flying
- **Preliminary Maps** - the Geosoft software system permitted preliminary maps to be quickly and efficiently created for noise and coherency checks.

The FWS is fully described in Appendix 2.

The Geosoft Oasis/Montaj software is designed for airborne data editing, compilation, processing and plotting. The software reads the portable data media from the airborne system checking for gaps, spikes or other defects and permits the data to be edited where necessary. The base station GPS/magnetometer data is checked, edited, processed and then merged with the airborne data by using GrafNav GPS Post-Processing Software. GPS flight path plots are created and plotted for both flight planning and flight path verification.

4.2.9 Spares

A normal compliment of spare parts, tools, back-up software, and necessary test instrumentation was available in the office at the airport.

5. INSTRUMENT CHECKS AND CALIBRATIONS

5.1 Airborne Magnetic System Tests and Calibrations

5.1.1 Manoeuvre Noise

As the magnetometer system sensor, installed in the tail stringer, is still within the magnetic effect of the aircraft structure, tests were conducted at regular intervals to determine the effects of aircraft roll, pitch and yaw. These tests were completed at high altitude over an area of low magnetic gradient by performing $\pm 10^{o}$ rolls, $\pm 5^{o}$ pitches and $\pm 5^{o}$ yaw manoeuvres flown over periods of 4-5 seconds in the same direction as the flight and tie lines. A compensated Figure-of-Merit (FOM) for the aircraft was calculated by summing the peak-to-peak amplitudes of the twelve magnetic manoeuvres. The FOM was determined at the commencement of flight operations on flight # 1 on November 20, 2005, 11 April 2006 and again on May 21 & 24, 2006. The FOM tests were determined to be 1.10 nT, 0.72 nT & 0.27 nT for tail stinger sensor respectively. Detailed information about the FOM tests is provided in Appendix 1.

5.1.2 Magnetic Heading Effect

The magnetic heading effect was determined by flying a cloverleaf pattern oriented in the same direction as the survey lines and tie lines. Two passes in each direction were flown over a recognizable feature on the ground in order to obtain sufficient statistical information to estimate the heading error. The heading errors were determined at the start of the survey on November 11, 2005 and again April 30, 2006. The results of the heading tests are presented in Appendix 1.

5.1.3 Lag Tests

The Lag Tests were performed on November 11, 2005 and on April 30, 2006 respectively to ascertain the time difference between the magnetometer readings and the operation of the GPS System. The tests were flown over an identifiable magnetic anomaly by flying the same line in opposite directions at survey altitude.

5.1.4 GPS Checks & Tests

In addition to carefully selecting a suitable area for the positioning of the base station, care was also taken to ensure that the base station GPS antenna maintained a maximum field-of-view to the GPS satellites, and was not obstructed due to movement and placement of airport equipment.

5.1.5 Altimeter Calibration Checks

Two altimeter tests were performed during the survey, the first on November 20, 2005, and the second on April 11, 2006. The radar altimeter was calibrated by comparing the radar altitudes with suitable readings from the GPS navigation system during radar "stack" flown over Mayo airport runway and the Norman Wells airport runway respectively. The ellipsoidal height of runway was determined by GPS. The procedure employed involved having the aircraft fly over the runway at various altitudes above the

ground (100, 200, 300, 400, 500 and 600 feet) recording the values of the radar altimeter and GPS altimeter, which were then plotted and compared. The results of the tests are included in Appendix 1.

The radar calibration was checked on a daily basis by completing a vertical calibration test flight during take off and landing.

5.1.6 Other Daily Checks

The validity of data on all system channels were checked at the start and end of each survey flight, together with the synchronization of each of the systems (airborne and ground).

6. QC AND DATA PROCESSING

Daily quality control, initial processing and archiving of the data were completed in Mayo at the temporary data processing centre established at the Bed Rock Motel, using Geosoft MONTAJ software and a notebook PC computer. All data were verified upon receipt, and checked against the operator's flight logs.

The pre-processing or infield processing sequence included the following quality control measures:

a) Examination of all incoming data to ensure completeness of data set.
b) The production of preliminary flight path maps, speed checks, and aircraft terrain clearance checks.
c) Full profile quality control of all acquired traces for noise levels, data completeness, spike editing, and adherence to contract specifications.

The final data processing, map generation and report was completed by McPhar at the Newmarket, Ontario office.

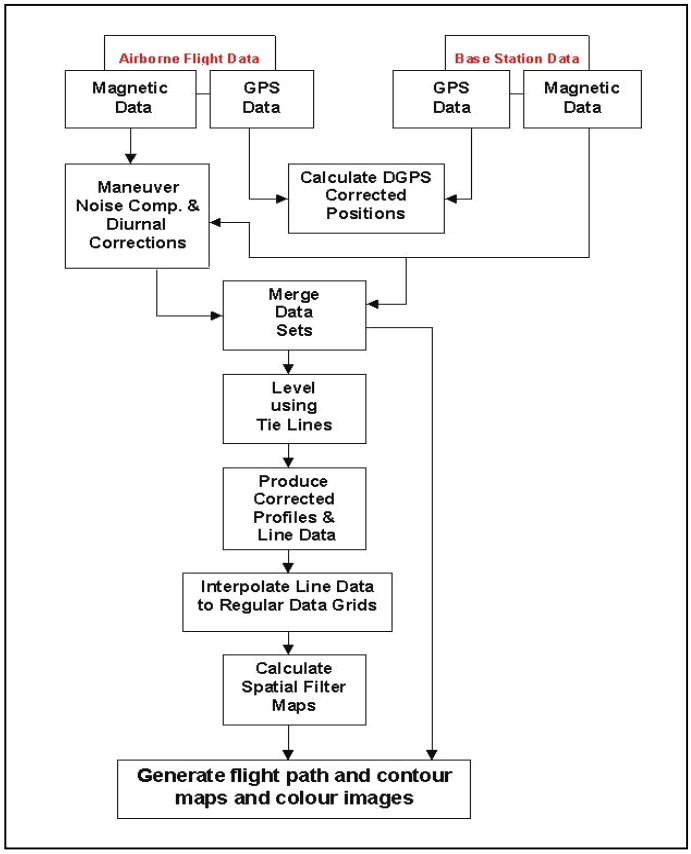


Figure 14: Data Processing Flow Chart

6.1 Flight Path Compilation

The flight path was derived from differentially corrected GPS positions using the airborne and static GPS data. Differential GPS data editing and processing was accomplished using the GrafNav GPS Post-Processing Software as developed by WayPoint Navigation, Inc. A position was calculated each 1.0 second (approx. each 60 metres along the flight path) to an accuracy of better than ±1.5 metre. The position data was then merged into the magnetic and ancillary data in the Geosoft GDB database.

If the contract specifications were not met, a reflight was deemed necessary. All positional data was projected in NAD83, UTM Zone 8N coordinates as specified by the contact.

6.2 Base Station Magnetic Data

The base station magnetometer data was edited, plotted and merged into the GDB database on a daily basis.

The QA/QC procedure to determine acceptable magnetic base station data involved:

- Despiking of the base station data resulting from cultural activities not associated with the performance of the survey.
- Determination of the maximum noise of the observed total magnetic intensity
- Determination of the average 4th difference noise of the signal
- Determination of the rate of diurnal change

6.3 Processing the Airborne Magnetic Data

Final processing of the magnetic data was completed at the McPhar office in Newmarket, Ontario. The following processing steps were applied to the magnetic data:

6.3.1 Corrections

The processing of the data involved: post-flight compensation for the movement and orientation of the aircraft in the Earth's magnetic field; correcting for diurnal variations by using the digitally recorded ground base station magnetic values; network adjustment using the flight-line and tie-line information to level the survey data set. The corrected data set was used to generate the initial Total Magnetic Products grid and served as a base for all further processing and analysis.

6.3.2 Levelling

Levelling of the magnetic data included the following steps:

- statistically levelling the tie lines;
- levelling the traverse lines using statistically levelled ties (note: this procedure involves editing/adjusting of individual corrections at selected intersections as required in order to obtain the best possible levelled data before microlevelling);
- micro-levelling the traverse lines. After applying the above corrections to the profile data any residual line-direction-related noise was removed through the application of microlevelling. The microlevelling technique consisted of the application of directional and high pass filters to produce a grid containing noise-only in the line direction. The grid is extracted to the profile database, and an amplitude limit and a filter length are determined, so that the final error channel reflects only noise present in the grid without removing or changing geologic signal. The error channel is then subtracted from the initial input magnetic data channel in order to obtain the final micro-levelled channel. The resulting grid is free of line direction noise.

6.3.3 Compudrape Method

In order to be able to merge the different datasets and provide a single merged data and map product, the data was processed using a procedure commonly referred to as CompuDrape.

As a result of the survey being completed in two stages, it was inevitable that the mean terrain clearance between the two survey parts varied considerably from 2005 and 2006. This variance was in part due

to:

- Different survey specifications with respect to flying heights and line spacing;
- Different survey aircraft and pilots and hence different levels of experience in flying and aircraft performance characteristics;
- Different weather conditions;
- Similar but different data processing and magnetic compensation procedures.

The application of Compudrape involves computation through the use of upward and downward height continuation on aeromagnetic profile data to transform it from the original magnetic field on an arbitrary observation surface to the magnetic field on a new surface of specified height.

In areas with steep topography such as encountered in some areas of the Project, it was difficult for the survey aircraft to maintain a constant nominal height above the ground. This was further complicated by the fact that the survey was flown in two parts, similar but different aircraft, few months difference apart, and under different survey conditions. The result was large variations in the distance between the magnetic sensor and the ground (from 50 to 500 m), making it very difficult to process the data.

Compudrape attempts to correct this variable terrain clearance effect by generating a magnetic grid that "simulates" the result that would have been obtained had the magnetic sensor been maintained a constant height above ground. In the case of this Project, a sensor height of 100 metres was used for the Compudrape surface.

In this application, the raw profile data was processed for multiple continuation surfaces using a 1D FFT transform to achieve maximum removal of the effects of the variation in terrain clearance from line-to-line and at traverse-tie line intersections.

The Compudrape process was designed to perform a loose drape transformation. The elevation channel is the magnetic sensor elevation above sea level. The Topography channel is the topography (i.e., sensor terrain clearance above ground subtracted from sensor elevation above sea level). The new observation height value is the desired constant drape height above ground. The end result is for a more acceptable merging of the different data sets to produce a relatively contiguous TMI image for the entire area covered by the two surveys. Microlevelling was performed again to get rid of line direction noise.

6.3.4 IGRF Removal

The International Geomagnetic Reference Field (IGRF) is a long-wavelength regional magnetic field calculated from permanent magnetic observatory data collected around the world. The IGRF is updated and determined by an international committee of geophysicists every 5 years. Secular variations in the Earth's magnetic field are incorporated into the determination of the IGRF.

Through the removal of the IGRF from the observed Total Magnetic Intensity (TMI), the resulting residual magnetic intensity provides for more valid modelling of individual near surface anomalies. Additionally, the data can be more easily incorporated into databases of magnetic data acquired in the past or to be acquired in the future.

6.3.5 Gridding

The corrected magnetic line data was interpolated between survey lines using a random point minimum curvature gridding algorithm to yield x-y grid values for a standard grid cell size of 1/5th of the line spacing (70m).

6.3.6 Filter Derivatives

The Total Magnetic Intensity (TMI) data were subjected to:

- Reduction-to-the-Pole
- Calculation of the First Vertical Derivative (1VD)
- Calculation of the Second Vertical Derivative (2VD)
- Calculation of the Analytic Signal
- Calculated Horizontal Derivative

Colour/contour images were produced for all the above listed magnetic products.

All of these spatial filtering techniques were completed using the Oasis/Montaj Magmap and IGRF modules for filtering in the 2D FFT domain.

6.3.6.1 Reduction-to-the-Pole

To compensate for the shift of the true anomaly position over the causative source due to the magnetic inclination and declination, the magnetic data was recomputed so that magnetic anomalies will appear as they would if located at the north magnetic pole. The result of this operation is that in theory the magnetic anomaly is located directly overtop of the causative source. The computation is referred to as "reduction-to-the-pole" (RTP). The reduction-to-the-pole is computed using a FFT (Fast Fourier Transform) operator.

The RTP not only shifts the anomalies to their correct position with respect to the causative magnetic bodies, but assists in the direct correlation and comparison of magnetic anomalies, trends, structural axis, and discontinuities with mapped geologic surface expression.

6.3.6.2 First Vertical Derivative

To “sharpen” magnetic anomalies and to provide better spatial location of source axes and boundaries, a first vertical derivative map was computed from the RTP-TMI. Vertical derivatives compute the rate of change of the TMI as it drops off when measured vertically over the same point (upward continuation). Potential field data obeys Laplace’s equation, which allows for the computation, through the application of analysis FFT, to take advantage of this symmetry and solve for the vertical or “z” component of the field.

6.3.6.3 Second Vertical Derivative

To enhance local magnetic anomalies and to outline the edges of anomalous bodies observed in the TMI, a second vertical derivative map was computed of the RTP_TMI. The Second Vertical Derivative map is a powerful interpretive tool and is used to assist in the delineation of causative bodies and accurate location of changes in the potential field gradient. Better definition of discontinuities and their relation to geology can be gained from the use of this tool. A Second Vertical Derivative map will show steep gradients over faults and positive closures over the "up thrown" blocks.

6.3.6.4 Analytic Signal

The Analytic Signal is the square root of the sum of the squares of the derivatives in the x, y, and z directions:

*asig = sqrt (dx*dx + dy*dy + dz*dz)*

where: asig is the Analytic Signal
sqrt is the square root of
dx is the horizontal gradient in the x direction
dy is the horizontal gradient in the y direction
dz is the vertical gradient in the z direction

The analytic signal is useful in locating the edges of magnetic source bodies, particularly where remanence and/or low magnetic latitude complicates interpretation.

6.3.6.5 Calculation of the Total Horizontal Derivative (TOTHDRV)

To highlight anomalous areas, which may be the result of a magnetic source of limited strike length, a Total Horizontal Derivative (TOTHDRV) is computed. The TOTHDRV is a powerful interpretive tool that can accurately define the edges of magnetic features such a dykes and vertical cylindrical geologic units that have sharp, but limited in area, magnetic gradients and geometry. A TOTHDRV will indicate peak gradients along the edges of narrow dykes and a circular, donut shaped anomaly over vertical cylinder sources.

7. DELIVERABLE PRODUCTS

The survey data is presented as colour/contour maps on paper, produced at a scale of 1:100,000 for Block 'A' & Block 'B' and 1:20,000 for Block 'A' Infill. A set of report-sized colour/contour images, on paper, is included as Appendix 5. The basic co-ordinate system used was NAD83, Universal Transverse Mercator (UTM) Zone 8N. All digital data are also presented on CD-ROM in ASCII format.

The deliverable items of this survey are:

7.1 Maps

The following maps, at a scale of 1:00,000 for the Block'A' & Block'B' and Block'A' Infill, at a scale of 1:20,000, are delivered in two (2) paper copies.

- Flight Path with Topography
- Digital Terrain Model (DTM)
- Total Magnetic Intensity (TMI)
- Total Magnetic Intensity (IGRF removed)
- Total Magnetic Intensity (CompuDrape)
- Total Magnetic Intensity (IGRF removed) CompuDrape
- Total Magnetic Intensity Reduced to the Pole (CompuDrape)
- First Vertical Derivative (1VD) (CompuDrape)
- Calculated Second Vertical Derivative (2VD) (CompuDrape)
- Calculated Analytic Signal of TMI (CompuDrape)
- Calculated Horizontal Derivative (CompuDrape)

7.2 Digital Data

The edited field and processed digital data are delivered in two (2) copies, in ASCII code, on CD-ROM. The final processed line and grid data, in GEOSOFT format, are also delivered in two (2) copies on CD-ROM. Full descriptions of the digital data formats are included in this final report and as text files on each CD-ROM.

7.3 Report

Two (2) copies of a survey report are delivered, complete with all final maps. This report provides information about the acquisition, processing and presentation of the survey data.

Respectfully submitted,
McPhar Geosurveys Ltd.

Dr. Thomas Grand
Chief Geophysicist
McPhar Geosurveys Ltd.

APPENDIX V

GEOLOGICAL AND GEOTECHNICAL DRILL LOGS

STRUCTURE

Type	
AP	axial plane
BD	bedded
Bx	breccia
CV	cleavage
DE	deformed
DY	dyke
FLT	fault
FA	fold axis
FO	foliation
Fx	fracture
GO	gouge
J	joint
LA	laminated
LI	lineation
C	lithilogical contact
SH	shear
SL	sill
SS	slickensides
ST	stringer
St	stylolite
VN	vein (>10 cm)
VT	veinlet (<10 cm)

Attitude

*Example: Core Logging: 60 means 60 degrees from the long core axis; Surface Mapping: use the **right-hand rule** - 135/75 means 135 degrees azimuth with a 75 degree dip to the southwest.*

LITHOLOGY *(3 letters- large caps)*

Type	
AGG	agglomerate
AMT	amphibolite
AND	andesite
ANO	anorthosite
APL	aplite
ARG	argillite
ARK	arkose
BAS	basalt
BXA	breccia
CBR	carbonate rock
CAS	casing
CGL	conglomerate
CHT	chert
CLS	calc-silicate rock
CST	claystone
DAC	dacite
DIA	diabase
DIO	diorite
DOL	dolostone
DUN	dunite
ECL	eclogite
EPI	epiclastic
EVA	evaporite
FEL	felsic rock
FLT	fault

Type	
GAB	gabbro
GNE	gneiss
GRD	granodiorite
GRN	granite
GRT	grit
GST	greenstone
GWK	greywacke
HFL	hornfels
IGE	igneous rock
IGN	ignimbrite
IST	ironstone
LAH	lahar
LMP	lamprophyre
LST	limestone
MAF	mafic rock
MBL	marble
MET	metamorphic rock
MIG	migmatite
MNZ	monzonite
MST	mudstone
MYL	mylonite
NOR	norite
OVB	overburden
PEG	pegmatite
PER	peridotite
PHY	phyllite
PYR	pyroxinite
QTE	quartzite
RHY	rhyolite
SCH	schist
SED	sedimentary rock
SHL	shale
SKN	skarn
SLA	slate
SLT	siltstone
SST	sandstone
STW	stockwork
SYE	syenite
TON	tonalite
TUF	tuff
VCL	volcaniclastic
VEN	vein
VOL	volcanic rock
W	Wernecke Breccia

MODIFIERS *(2 letters-large caps)*

Colour

Always put prominent colour first: BN-RD, GY-LT

BF	buff
BG	biege
BK	black
BL	blue
BN	brown
BR	brass
BZ	bronze
CL	clear
GL	glassy
GN	green
GO	gold
GY	grey
MT	metallic
OL	olive
OR	orange
PK	pink
PU	purple
RD	red
SI	silver
TN	tan
TQ	turquoise
VO	violet
WH	white
YW	yellow
LT	light
MD	medium
DK	dark

Texture

AM	amygdaloidal
AN	aphanitic
BL	blebby
BN	banded
BO	box-work
Bx	breccia
CR	crackled
DI	dissemintated
DN	dendritic
DR	drusy
EA	earthy
EU	euhedral
EN	encrusting
FL	flow banded
FN	fenestral
GD	graded
GN	gneissic
IN	interstitial
LS	lens-lensoid
MA	massive
MO	mottled
ND	nodular
NE	net
OP	ophitic
PA	patches
PB	pebbly
PL	porphyroblastic
PO	porphyritic
RX	recrystallized
SA	sandy
SE	segragated
SH	schistose
SH	sheared
SP	spots
SR	streaked
ST	stained
St	stylolite
SU	sucrosic
VS	vesicular
VU	vuggy
WE	welded
XL	crystalline

FG	fine grain
MG	medium grain
CG	coarse grain

Additional "Modifiers" can be picked from any category to further describe a lithology; for example: BXA DOL He

additional modifiers:

AS	ash
BT	bioturbated
BK	block
BU	bouma
XT	crystal
DB	debris flow
EN	envelope
FD	flooded
FS	fossiliferous
GC	gas-charged
HY	hydraulic
IU	immature
LA	laminated
LP	lapilli
LI	liesgangue
MU	mature
PI	pillow
RA	radioactive
RU	rip-up clasts
SE	selvage
SM	stromatolitic
XN	xenolith

FOSSILS

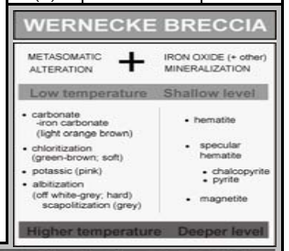
brac	brachiopods
grap	graptolites
crin	crinoids
tril	trilobites
strom	stromatilites

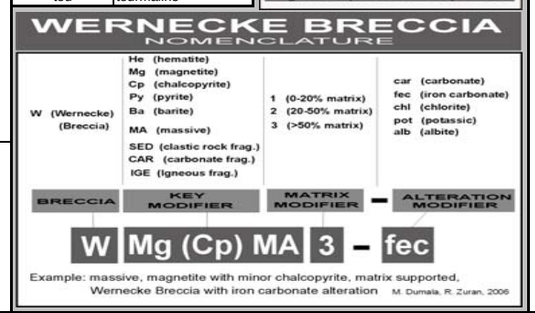
ALTERATION *(3 letters-small caps)*

alb	albitized
alt	altered
arg	argillic
ava	advanced argillic
bio	biotite
ble	bleached
car	carbonate
chl	chlorite
cly	clay
epi	epidotization
fec	iron carbonate
hem	hematization
hyd	hydrothermal
kao	kaolinized
lea	leached
lim	limonite
mno	manganese oxide
oxi	oxidation
phc	phyllic
pot	potassic
pro	propyllitic
sau	sauceritized
ser	seritized
sil	silicified
tou	tourmaline

INTENSITY *(1 letter-small caps)*

code	description	% range
n	none	0
t	trace	<1
tw	trace-weak	1-2
w	weak	2-3
f	fair	3-5
m	moderate	5-7
ms	moderate-strong	7-10
s	strong	10-15
I	intense	15-20
x	extreme	20-25
(%)	*use numeric*	>25





MINERALS *(2 letters - 1st large cap, 2nd small cap)*

Type		Type	
Ab	albite	Hb	hornblende
Ac	actinolite	He	hematite
Ae	augite	Hm	mushketovite
Ag	aragonite	Hs	specularite
Ak	ankerite	Hz	hydrozincite
Am	amphibole	Ja	jarosite
An	andalusite	Kf	K feldspar
Ap	apatite	Ky	kyanite
As	arsenopyrite	Li	limonite
At	anthophyllite	Ma	marcasite
Ax	axinite	Mb	molybdenite
Az	azurite	Mc	malachite
Ba	barite	Mg	magnetite
Bc	brochantite	Mn	Mg oxide
Bi	biotite	Mu	muscovite
Bo	bornite	Ne	nepheline
Br	brannerite	OB	obsidian
Bs	bismuthinite	Op	orthopyroxene
Ca	calcite	Or	orthoclase
Cb	carbonate	Or	othoclase
Cc	chalcocite	Ov	olivine
Cd	cordierite	Ox	oxide
Ch	chalcedony	Pb	pitchblende
Ci	cinnabar	Pd	pentlandite
Cl	chlorite	Pg	phlogopite
Co	cobaltite	Pl	plagioclase
Cp	chalcopyrite	Po	pyrrhotite
Ct	chloritoid	Ps	pyrolusite
Cv	covellite	Px	pyroxene
Di	diopside	Py	pyrite
Do	dolomite	Qz	quartz
Dr	dravite	Rh	rhodochrosite
Ep	epidote	Ru	rutile
Er	erythrite	Sa	sanidine
Fd	feldspar	Sa	sanidine
Fe	iron oxide	Sc	scapolite
Fl	fluorite	Se	sericite
Fu	fuchsite	Sh	scheelite
Ga	garnet	Si	siderite
Gn	galena	Sk	skutterudite
Go	goethite	Sl	schorl
Gr	graphite	Sm	smithsonite
Gy	gypsum	So	scorodite
		Sp	sphalerite
		Sr	serpentine
		St	stibnite
		Sx	sulphides
		Tc	talc
		To	tourmaline
		Tr	tremolite
		Tt	tetrahedrite
		Un	unknown
		Uo	uranium oxide
		Ur	uranophane
		VG	visible gold
		Wa	wad
		Wo	wollastonite
		Ze	zeolite

CLASTS *(2 letters - small caps)*

va	very angular	ro	rounded
an	angular	wr	well rounded
sa	subangular		
sr	subrounded		

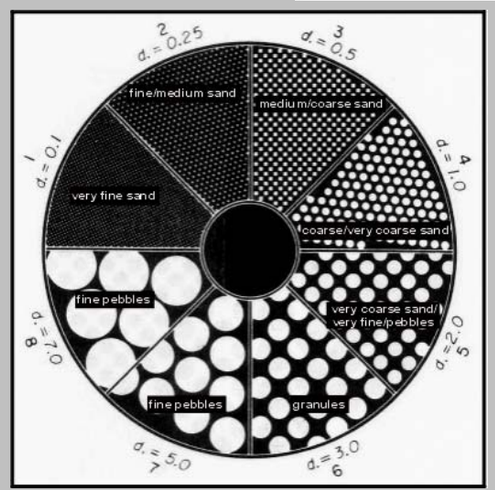
PARTICLE SIZE DEFINITION

Clast or crystal size in mm. Log scale	Sedimentary clasts		Volcaniclastic fragments	Crystalline rocks, igneous, metamorphic or sedimentary
	boulders	G	blocks and bombs	
256				
	cobbles	R		very-coarse-grained
64		A		very-coarse-crystalline
	pebbles	V	lapilli	
16		E		
		L		coarse-grained
4	granules			coarse-crystalline
2	very-coarse-sand			
1	coarse-sand	S		medium-grained
0.5 (1/2)	medium-sand	A		medium-crystalline
0.25 (1/4)	fine-sand	N	coarse-ash-grains	
0.125 (1/8)	very-fine-sand	D		fine-grained
				fine-crystalline
0.032 (1/32)	silt	M		very-fine-grained
		U	fine-ash-grains	very-fine-crystalline
0.004 (1/256)	clay	D		cryptocrystalline

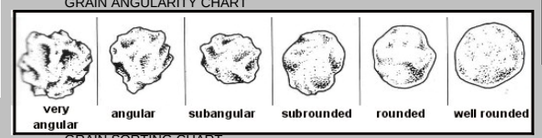
CODES

Archer, Cathro & Associates (1981) Limited

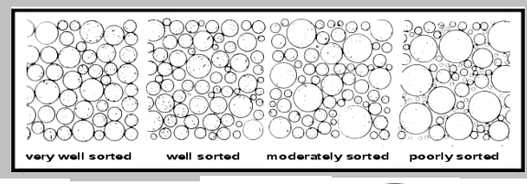
PARTICLE SIZE CHART

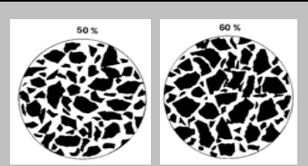


GRAIN ANGULARITY CHART

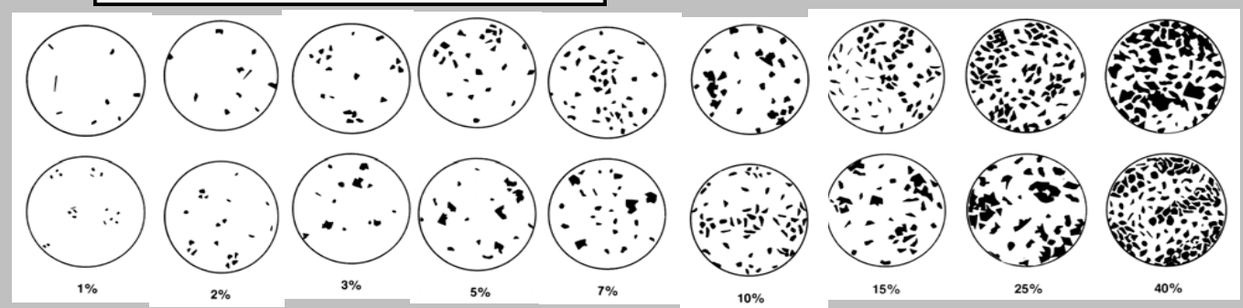


GRAIN SORTING CHART





PERCENTAGE ESTIMATION CHARTS



IGOR PROPERTY

YUKON URANIUM PROJEC

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517555	7213644		124.97

Casing: depth: 3.05 out

Core Size: btw

Logger: Ben Gelber, Rick Zuran **Scintillometer:** Saphymo Stel SPP_2_NF # 287

Comments:

Contractor: Superior

Hole: DDH-I-2006-01 **Section:** **Drilling dates:** June 20-22, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	304	-50	Brunton
124.97	-	-52.3	Acid

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	0.91		OVB																							
			0.91	3.66		W	DKGY	FG	Bx		car	m	chl	tr	WSED(He)1-car	1		7		Do	ms			QTE		15	He	Do	Si
															Non-foliated.														
			3.66	5.10		W	DKGY	FG	Bx		chl	ms	car	f	WSED2-chl	1		3						QTE	ARG	20	Cl	He	
5			5.10	5.79		W	PKRD	FG	Bx		alb	s	car	m	WSED(He)1-alb, car			5		Do	ms	Cl	tr	QTE		10	Do	He	
			5.79	12.34		W	GY	FG	Bx		car	ms	chl		WSED(He)1-car	1	1	5		Do	ms	Cl	w	QTE		15	He	Do	Cl
10																													
	C	45	12.34	12.85		FLT	GYBG		GO		cly																		
			12.85	13.77		W	GYRD	FG	Bx		car	m	hem	w	WSED(He)1-car			5						QTE		15	He	Cl	Do
															clasts include car altered QTE														
			13.77	14.07		FLT	GY	FG	GO		cly																		
15	BD	45	14.07	17.35		SLT	GY	FG	BD	CR					SLT														
	C	65	17.35	22.56		FLT	GY		GO		cly				FLT														
20																													
	FO	45	22.56	46.62		W	GY	FG	Bx		car	f	ser	w	WSED(He)1-car,ser			3		Do	f			QTE	SLT	15	Qz	Do	Cl
															moderately foliated; increasing He in matrix towards footwall of interval. Lower contact gradational.														
25																													
30																													
35															(35.90-36.20)			5		Ak	s	Qz	m						
															irregular large patch of MG XL Ak with core of cm scale WH Qz and minar bladed Hs.														
															(36.80-36.90)														
															RD sub-interval of FG He in matrix representing 20% of sub-interval. Moderately foliated.														
40															(40.85)														
	VT	40													Qz-Si VT, lower contact gradational.														
45																													
	FO	45	46.62	53.52		W	GY	FG	Bx		car	ms	ser	w	WSED(He,Py)2-car,ser	3	1	5		Do	f	Si	w	QTE		25	Do	He	Si
															Moderately foliated, moderately recrystallized, lower contact grading into slightly magnetic Bx.														
50																													

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
								0.00	0.91	0.91	65	0.20	0.17	19	0.00	0	5	MW	4	0	60	I	4		
								0.91	2.13	1.22	60	0.16	1.20	98	0.27	22	7	MW	5	12	60	I	3		
								2.13	3.05	0.92	45	0.21	0.88	96	0.39	42	8	SW	5	7	50	S	2		
								3.05	4.57	1.52	60	0.04	1.16	76	0.60	39	9	SW	4	11	45	S	4		
5								4.57	5.79	1.22	62	0.04	1.17	96	0.38	31	9	SW	5	15	50	P	2		
								5.79	7.16	1.37	70	0.31	0.96	70	0.25	18	6	SW	3	19	50	I	2		
								7.16	8.53	1.37	65	0.32	0.95	69	0.35	26	6	HW	4	20	35	P	2		
								8.53	9.14	0.61	65	0.19	0.27	44	0.00	0	5	MW	2	0	80	S	3		
								9.14	10.70	1.56	65	0.20	0.60	38	0.24	15	5	HW	2	20	70	I	3		
10								10.70	12.19	1.49	70	0.22	0.63	42	0.00	0	6	MW	4	18	60	P	4		
								12.19	14.02	1.83	90	0.25	0.81	44	0.37	20	7	HW	3	12	50	C	2		
								14.02	15.24	1.22	75	0.24	0.88	72	0.21	17	6	EW	2	17	60	C	4		
15								15.24	17.68	2.44	70	0.19	0.86	35	0.10	4	6	SW	2	22	30	P	3		
								17.68	19.81	2.13	80	0.10	0.34	16	0.12	6	2	HW	1	0	-	I	3		
								19.81	20.42	0.61	70	0.08	0.21	34	0.00	0	2	EW	1	0	-	I	3		
20								20.42	21.03	0.61	70	0.10	0.28	46	0.00	0	2	EW	1	0	-	I	4		
								21.03	21.54	0.51	75	0.04	0.28	55	0.00	0	3	EW	2	0	-	I	3		
								21.54	22.25	0.71	65	0.04	0.11	15	0.00	0	2	HW	3	0	-	I	2		
								22.25	22.56	0.31	70	0.08	0.31	100	0.00	0	4	EW	3	0	-	S	3		
								22.56	24.08	1.52	70	0.11	1.04	68	0.57	38	7	EW	2	18	60	C	3		
25								24.08	25.91	1.83	65	0.28	0.97	53	0.00	0	5	HW	2	19	70	S	4		
								25.91	27.13	1.22	70	0.17	0.72	59	0.10	8	6	EW	4	21	40	P	2		
								27.13	30.32	3.19	70	0.58	2.87	90	2.19	69	10	SW	4	23	50	P	1		
30								30.32	31.24	0.92	70	0.24	0.64	70	0.16	17	7	MW	4	15	60	P	3		
								31.24	33.53	2.29	70	0.23	1.68	73	0.98	43	8	SW	3	18	65	P	2		
								33.53	34.90	1.37	70	0.26	1.23	90	0.64	47	9	SW	2	19	45	C	4		
								34.90	38.10	3.20	75	0.32	2.97	93	2.79	87	11	SW	3	16	50	P	3		
35																										
								38.10	39.62	1.52	75	0.15	1.16	76	0.80	53	7	MW	3	11	40	P	3		
40								39.62	41.76	2.14	60	0.17	1.70	79	1.50	70	10	FR	3	14	65	C	4		
								41.76	43.58	1.82	70	0.24	1.46	80	0.44	24	9	FR	4	11	70	C	3		
								43.58	44.20	0.62	70	0.09	0.51	82	0.00	0	6	SW	3	19	30	P	2		
								44.20	47.24	3.04	78	3.33	2.91	96	1.53	50	9	FR	5	8	40	P	3		
45																										
								47.24	49.68	2.44	65	0.30	1.66	68	0.64	26	8	HW	6	6	60	P	4		
								49.68	52.73	3.05	75	0.65	3.15	103	1.49	49	10	FR	3	5	30	C	4		
50																										
								52.73	55.77	3.04	70	0.93	1.95	64	2.20	72	12	FR	3	8	70	P	4		

Hole: DDH-I-2006-01 **Section:** _____ **Drilling dates:** June 20-22, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
	FO	40	53.52	59.33		W	LTGY	FG	Bx		car	m	ser	m	WSED(Mg)2-car Moderately foliated.
55															
	FLT	65	59.33	59.46		FLT	GY				chl	m			
60	FO	50	59.46	61.42		W	LTBG	FG	Bx		car	2	chl	w	WSED(He,Ba)2-car
															Extensive bleaching, moderately foliated. (59.71-59.76) sub-interval of crosscutting Ba.
	FLT	25	61.42	61.63		FLT	GYOR				chl	m			
	FO	50	61.63	62.60		W	LTGY	FG	Bx		car	s			WSED(He)2-car
															Extensively bleached, moderately foliated.
65	FO	45	62.60	66.00		W	GY	FG	Bx		car	f	chl	w	WSED(Py, He)1-car
															weak to moderate foliation.
	FLT	25	66.00	66.97		FLT	BG								
	C	50	66.97	80.77		W	GY	FG	Bx		car	tw			WSED(Py)1-car
															GY w/ local DK GY and GY BG nested sub-inetervals; clasts typically car(Do) altered QTE. Contains varied nested sub-intervals.
70											car	i			(67.15-67.40)
															Crowded euhedral martite (60%) and car (40%)
	SH	45													(70.95-71.17) Nested DK OR BN SH
	FO	45													(72.45-72.60) Nested MA Py sub-interval; coincident with a structure.
	C	65													(73.45-74.44) nested distinct heterolithic BXA sub-interval w/ cal matrix alteration. FO clasts (avg. 1.5cm) predominantly cal alt QTE & dirty QTE/SLT; matrix contains 3% Py.
75															
															Footwall v. rusty over 10 cm planar break.
80	C	65	80.77	82.92		SLT	LTBG	FG	CR		oxi	w			SLT
															LT BG CK SLT w/ Li hairline fillings.
			82.92	85.30		W	GYPK	FG	CR	Bx	car				WSEDPy(He)1-car
															Carbonate altered SLT clasts w/ Py matrix; locally MA Py in nested interval.
															(83.62-83.82) MA Py w/ 10% Cp, trace Cv, 5% He.
85	C	50	85.30	85.85		VEN	DKGY	Bx	CR		chl				VEN
															Internal contains pinkish-WH CR Qz ven, chl altered wall rock and local MA blobs/bands of Py. Vein at 50-60 degrees to core axis.
			85.85	87.67		SLT	PKRD	FG	CR		car	f			SLT
															DK PK RD SLT clast w/ Mg, Py matrix. Local Cb infilling of Fx. Local Qz infilling.
	C	70	87.67	88.10		VEN	GNGY	CR			chl	s			VEN
90															CK Qz VN w/ Cl altered wall rock with Py and Mg.
			88.10	99.65		SLT	GYBG				car	w	chl	w	SLT

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
				3	Do	m	Ak	f	QTE		25	Do	Mg	Ak
55														
									QTE		10	Do	Cl	Go
60	1		1		Do	f			QTE		25	Do	Ba	He
	1		1		Do	f	Qz	w	QTE		25	Do	Ak	He
65	10	1	3		Do	f			QTE		15	Do	Py	He
	3	1	1		Li	t			QTE		10	Do	Py	
70	1	2												
					Li	f								
	80													
	3													
75														
80	7				Li	w								
	15	1	5						SLT		15	Py	He	Cp
85	25	1			Qz	s	Cl	ms						
	3			5	Qz	w	Do	w						
90														

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
55							55.77	57.91	2.14			2.10	98	1.70	79	12	FR	4	7	65	P	4		
							57.91	60.96	3.05	80	6.25	3.00	98	1.96	64	10	FR	3	8	40	S	3		
60			60.00	61.00	1.00	104301	<10	196	60.96	64.01	3.05	90	0.21	2.80	92	1.90	62	7	FR	3	6	75	S	2		
			61.00	61.42	0.42	104302	<10	81																
			61.42	61.63	0.21	104303	30	4050																
			61.63	62.00	0.37	104304	<10	33																
			62.00	63.00	1.00	104305	20	603	64.01	67.05	3.04	120	1.96	3.05	100	1.53	50	10	MW	5	5	30	C	4		
65			63.00	64.00	1.00	104306	130	3270																
			64.00	65.00	1.00	104307	170	3960																
			65.00	66.00	1.00	104308	150	4460	67.05	69.19	2.14	115	1.08	2.12	99	1.58	74	11	FR	4	8	35	P	3		
			66.00	66.97	0.97	104309	90	3660																
70			66.97	68.00	1.03	104310	10	5030	69.19	71.63	2.44	120	0.18	2.27	93	2.10	86	13	MW	3	8	45	C	3		
			68.00	70.00	2.00	104311	10	268																
			70.00	72.00	2.00	104312	110	3740	71.63	74.68	3.05	115	0.69	2.86	94	2.49	82	13	SW	3	5	35	S	5		
			72.00	74.00	2.00	104313	40	5380																
75							74.68	77.72	3.04	85	0.18	2.75	90	2.40	79	9	MW	3	6	40	P	3		
							77.72	80.77	3.05	90	0.10	3.13	103	2.74	90	13	FR	4	2	40	P	4		
80							80.77	83.82	3.05	90	0.16	2.95	97	2.78	91	10	MW	4	6	65	I	3		
							83.82	86.87	3.05	75	1.09	2.92	96	2.31	76	12	MW	3	5	45	S	5		
85																								
							86.87	89.92	3.05	70	2.42	2.91	95	2.07	68	12	MW	3	7	60	P	4		
							89.92	92.96	3.04	70	0.77	2.75	90	1.84	61	11	SW	2	5	40	P	2		
90																								

Hole: DDH-I-2006-01 **Section:** _____ **Drilling dates:** June 20-22, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
															LT GY BG SLT w/ Li, Do hairline infill. v. weak Cl alteration locally. Local euhedral He w/ Py. He v/ weakly magnetic and increases as euhedral xtals (0.1-1.0 cm) towards bottom of unit.
															(89.97-90.10) 13 cm of MA, v. weakly magnetic He ~5% Py.
95															
															(98.10-98.20) 10 cm of ~20% He and ~15% Py. He v. weakly magnetic.
100			99.65	109.81		W	GY	BX			car	f	chl	w	WSEDMg(Py)1-car
															Cb altered QTE clasts w/ Mg, Py, matrix. Mg xtals euhedral to subhedral. Occasional cross cutting Qz veinlets w/ Cp inclusions. Non foliated at top of section to weaklty foliated near footwall.
105															
110			109.81	111.00		VEN	DKGY	Bx	CR		chl	w	car	w	VEN
															MA He, Py vein. Brecciated. Internal Qz and Cl altered wall rock.
			111.00	124.97		W	MDGY	Bx			car	f	chl	f	WSED(He,Py)1-car
															Cb altered clasts w/ Cb, Cl, Py, He, matrix. Weak to moderate foliation locally. Do and occasional Qz in hairline fractures. Euhedral octagonal He xtals, v. weakly magnetic.
115															
120															
125															EOH 124.97m

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity
3	1		7	Do	w	Qz	w
20	1	30		Qz	w		
3	1	5		Cl	f	Do	w

IGOR PROPERTY

YUKON URANIUM PROJEC
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517555	7213644		106.07

Casing: depth: _____ out

Core Size: btw

Logger: Ben Gelber, Rick Zuran

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:
Contractor: Superior

Hole: DDH-I-2006-02

Section:

Drilling dates: June 22-24, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	228	-50	Brunton
no	acid	test	

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	1.52		OVB																							
	FLT	60	1.52	12.19		FLT	GY	Bx							FLT large section of tectonically altered breccia.														
5	SH	60													(3.75-5.20) CK SH DK GY SLT (5.00-6.15) fault gouge 60 degree contact at footwall.														
															(6.15-9.70) tectonic breccia. Strong shear fabric 60. (9.70-9.77) Ba Qz veinlet oriented with 60 degree shear fabric.														
	VN	60																											
10																													
	SH	60	12.19	25.05		SLT	GYBG	CR	Bx		car	f	chl	t	SLT LT GY SLT w/ Do, Ak , infill of hairline FX and veinlets up to 1.0cm. Trece Cl on fracture surfaces. Unit is CR near head wall. Py and Cp occur as blebs in Do filled VT's. Unit is weakly foliated. Abrupt footwall contact. Strong SH occurs near headwall of unit.	t	1			Do	f	Se	w										
15																													
20																													
25	FO	50	25.05	32.26		W	GY	FG	Bx		car	ms	chl	w	WSED(He)1-car GY Cb altered SLT clasts, minor Cl alteration in matrix. Do, Ak, Ba infill of hailrline fractures and VT's up to 1.0cm. Moderate FO near top up unit to strongly FO near bottom. He and Py increase from sparse in matrix near top to abundant near bottom.	3	1	7		Do				SLT		10	Do	Ak	Ba
															(25.16-25.57) 41 cm section of semi massive He with FG Ba. Medium FO 70.														
30																													
	FLT	70	32.26	32.41		FLT	ORRD	SH	Bx		oxi	s	chl	w	FLT 15cm FLT. DK OR RD, slight car and chl alteration. Abundant Li.	3		5		Li	ms	Do	w	SLT		10	Li	Do	Cl
	FO	70	32.41	34.06		W	DKGY	FG	Bx		car	s	chl	w	WSED(He,Py)2-car DK GY Bx w/ car altered SLT clasts and He, Py, Do matrix. Strong FO (70). Do and Ak infill of hairline Fx w/ occasional Ba infill of Fx.	5	1	15		Do	ms	Ak	w	SLT		30	He	Do	

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
								0.00	1.52	1.52	60	0.07	0.11	7	0.00	0	4	MW	VW	0	-	5	4		
								1.52	3.05	1.53	65	0.10	0.71	46	0.00	0	5	HW	W	11	40	3	3		
								3.05	4.57	1.52	70	0.12	1.24	82	0.33	22	8	SW	W	10	45	3	4		
								4.57	6.10	1.53	60	0.12	0.79	52	0.00	0	3	EW	EW	0	-	4	2		
5																									
								6.10	9.14	3.04	70	0.13	2.45	81	0.20	7	7	MW	W	12	70	1	2		
								9.14	12.19	3.05	60	0.11	2.07	68	0.11	4	7	EW	EW	15	70	2	2		
10																									
								12.19	15.24	3.05	65	0.14	2.85	93	0.63	21	7	HW	VW	13	60	5	4		
15								15.24	17.68	2.44	70	0.12	1.89	77	1.20	49	8	HW	VW	7	50	2	4		
								17.68	19.05	1.37	75	0.09	1.28	93	0.51	37	8	FR	MS	8	60	1	1		
20								19.05	21.34	2.29	60	0.16	1.74	76	0.52	23	9	SW	W	8	45	3	4		
								21.34	24.38	3.04	75	0.17	2.94	97	1.42	47	10	FR	W	7	60	1	1		
								24.38	25.90	1.52	60	0.43	1.26	83	0.72	47	9	FR	MS	8	80	1	3		
25								25.90	28.96	3.06	70	0.26	2.71	89	1.40	46	9	FR	MS	10	45	3	3		
								28.96	30.18	1.22	60	0.69	1.12	92	0.34	28	11	FR	VW	12	75	5	5		
30								30.18	33.22	3.04	70	0.63	2.60	86	1.38	45	7	MW	W	6	80	4	3		
								33.22	36.27	3.05	80	1.11	2.82	92	1.34	44	7	FR	VW	10	50	5	3		

Hole: DDH-I-2006-02 **Section:** **Drilling dates:** June 22-24, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
35			34.06	39.40		W	BGPK	FG	Bx		car	ms	chl	w	WSED(Mg)1-car	3	1		7	Do	m	Ak	w	QTE		15	Do	Mg	Ak																															
															GY BG PK Bx w/ car altered QTE clasts and Mg, Py, Do matrix w/ medium FO throughout. Euhedral Mg xtals in varying concentrations through the unit. Moderately recrystallized in places.																																																										
																																					36.27	38.25	1.98	65	6.95	1.60	81	0.61	31	7	FR	W	8	65	1	4		
																																				38.25	41.15	2.90	90	0.77	2.83	98	1.79	62	11	SW	W	8	50	1	4		
	FLT	80	39.40	40.00		FLT	ORBN	FG	SH						FLT	3	1		5	Do	s	Ak	w	QTE		10	Do	Ak	Mg																															
40															Heavily SH zone. Strong car alteration of QTE clasts and matrix high in Do, Ak, Mg. euhedral Mg xtals found near top of unit. Strong stretching of QTE clasts.																																																							
	FO	75	40.00	45.72		W	GY	FG	Bx		car	ms			WSEDPy(Cp)1-car	15	3		1	Do	m			QTE		10	Py	Do																																								
															Heavily SH Bx w/ QTE clasts, slightly car altered w/ Py, Do matrix. Py semi massive locally and crosscuts SH fabric and fills hairline FX and vnlts up to 2.0cm. Weakly SH to CK texture near bottom of unit.																																																							
																																				44.20	47.24	3.04	75	0.07	2.87	94	1.09	36	11	MW	VW	7	75	1	1		
45	FO	80	45.72	48.74		QTE	BG	FG	CR		car	w			QTE	1				Do	w	Ak	w																																							
	SH	75													Moderately SH car altered QTE to moderately CR noear footwall. Tr Py in SH section near headwall contact. Do, AK, and tr Li infill of hairline FX throughout unit. Shearing at 75.																																																							
																																				47.24	50.29	3.05	70	0.10	3.00	98	1.10	36	10	HW	VW	8	50	1	2		
	FO	75	48.74	58.40		W	BG	FG	Bx		car	m	ser	m	WSED(Py)1-car	3				Do	w	Se	w	SLT		10	Do	Py	Se																																	
50															BG car altered SLT clasts w/ Do, Py, Se matrix. Unit has moderater SH fabric (75). Do, Ak, Py infill of hairline FX up to 1.0cm oriented w/ shear fabric and also cross cutting.																																																								
																																				50.29	53.34	3.05	65	0.14	2.68	88	1.37	45	9	SW	W	7	60	1	2		
																																				53.34	56.34	3.00	70	0.17	2.89	96	1.83	61	12	FR	W	6	45	5	3		
55																		

Hole: DDH-I-2006-02 **Section:** **Drilling dates:** June 22-24, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
*	FLT	45	68.20	68.43		FLT	BGBN	FG	GO		chl	m			FLT.
*															FLT at 45 degrees. GO, Do, Ak in FLT.
			68.43	69.45		W	GYRD	FG	Bx		alb	s	ser	m	WSEDHe1-alb
															SLT clasts w/ Se, Cl matrix. Decomposed He crosscutting as veinlets up to 8.0cm. Includes 2.0cm VT of Qz and He.
70	FO	60	69.45	77.90		SLT	GYBG	FG	Bx	CR	alb	s	ser	m	SLT
															alb altered SLT w/ Ser altered matrix. Do, Qz, Cp, Py infilling of Fx. Weak FO in places (60). Cp occurs in FX up to 1.0cm with Qz. Py found in hairline FX.
75															
	FO	65	77.90	91.20		SLT	GYBG	FG	Bx	CR	alb	i	ser	s	SLT
															strongly alb altered SLT w/ ser altered matrix. Py and Se FX infill. Weak foliation locally (65).
															(78.20-78.60) contains euhedral Mg crystals.
80															(80.40-83.70) Rhombic Cb xtals in matrix and alb altered SLT clasts.
85															
															(90.15-90.30) FLT w/ GO, Se and Cl.
90	FLT	55													
	FO	65	91.20	94.40		W	BGGN	FG	Bx		alb	s	chl	f	WSED(He)1-alb
															GY BG PK GR BX w/ alb altered clasts. Matrix of Se, He, Cl, w/ Do infilling of hairline FX and crosscutting VT's up to 1.0cm. Strongly brecciated to CR in places. Weak FO (65).
	SH	59	94.50	95.50		W	DKGN	FG	Bx		chl	i	alb	s	WSED2-chl
															DK GN Bx w/ alb altered SLT clasts. Cl matrix with Ba, Qz, Do infill of hairline FX and VT's.
95			95.50	99.33		W	GYPK	FG	CG	Bx	alb	s	car	s	WSEDHe2-alb,car
															DK GY to PK Bx w/ alb altered clasts. FG to CG matrix w/ euhedral xtals of Ab and He w/ interstitial Do, He, Se and minor Py. No apparent FO. Do infill of hairline FX and VT's.
	SH	55	99.33	106.07		W	GYGN	FG	Bx		ser	m	car	m	WSED(Py)1-car
															GY GN Bx w/ ser, car and chl alteration. Matrix of Se, Cl, Py, Do. Do as FX infill and VT's. strong foliation and SH (55). Appears re-brecciated tectonically. GO locally abundant.
100															

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity
*					GO	i	Do	f
*								
	1		30		Ak	s	Qz	w
70	1	1			Do	m	Se	f
75								
	3	1			Si	s	Py	f
80								
85								
90								
	1	1	5		Se	m	Cl	f
	1				Cl	i	Do	w
95	3		7		Ab	s	Do	s
	5				Cl		Se	
100								

Depth (m)	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
*						
*						
	SLT		20	Cl	Se	Do
70	SLT		10	Do	Se	Qz
75						
80						
85						
90						
	SLT		10	Se	Cl	Do
	SLT		20	Cl	Do	Ba
95	SLT		30	Ab	Do	He
	SLT		15	Cl	Se	Do
100						

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
*												
*												
70												
								71.63	73.06	1.43	65	0.33
								73.06	76.20	3.14	70	0.77
75												
								76.20	79.25	3.05	65	1.34
								79.25	82.30	3.05	70	0.68
80												
								82.30	85.34	3.04	75	0.40
85								85.34	88.39	3.05	60	0.40
								88.39	89.91	1.52	70	0.26
								89.91	90.98	1.07	65	0.19
90								90.98	92.05	1.07	65	0.14
								92.05	93.57	1.52	65	1.57
								93.57	96.62	3.05	70	4.56
95												
								96.62	99.67	3.05	65	1.24
								99.67	102.11	2.44	65	0.16
100												
								102.11	103.02	0.91	60	0.45
								103.02	106.07	3.05	60	0.26

Depth (m)	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
*													
*													
70													
	0.84	59	0.24	17	7	SW	W	14	35	4	3		
	2.74	87	2.18	69	9	SW	W	8	50	4	3		
75													
	2.62	86	1.60	52	8	SW	W	9	55	1	3		
	2.44	80	1.97	65	12	SW	W	7	60	4	3		
80													
	2.64	87	1.90	62	11	SW	W	8	60	1	3		
85	2.38	78	0.81	27	8	FR	W	9	60	1	3		
	0.78	51	0.00	0	6	FR	W	16	60	1	2		
	0.41	38	0.00	0	5	HW	EW	12	60	1	2		
90	0.64	60	0.00	0	5	FR	W	14	50	2	2		
	1.04	68	0.41	27	7	FR	W	11	50	2	1		
	2.74	90	1.67	55	12	FR	MS	4	40	1	4		
95													
	2.58	85	2.25	74	13	FR	MS	5	40	2	2		
	1.61	66	0.67	27	9	FR	W	10	25	5	3		
100													
	1.03	113	0.47	52	8	FR	W	9	60	3	2		
	1.60	52	0.23	8	6	FR	W	7	60	1	4		

Hole: DDH-I-2006-02 **Section:** _____ **Drilling dates:** June 22-24, 2006

Depth (m)	Struct.		LITHOLOGY								ALTERATION					MINERALS								BRECCIA						ASSAYS							Blocks			Radiometrics (average)	Magnetics	GEOTECHNICAL							JOINTS						
											Prim.		Sec.												Clasts		Matrix																	REC		RQD											
	Type	Attitude	From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	Type	Intensity	Type	Intensity	Notes:	Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	Primary	Second	Percent	Primary	Second	Minor	From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		From (m)	To (m)	Intvl. (m)			(m)	Percent	(m)	Percent	Breakage	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
105																																																					
															EOH 106.07 m																																										

IGOR PROPERTY

YUKON URANIUM PROJEC

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517354	7213678		110.03

Casing: depth: 4.57 out

Core Size: btw

Logger: Ben Gelber

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:

Contractor: Superior

Hole: DDH-I-2006-03

Section:

Drilling dates: June 24-26, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	116	-50	Brunton
110.3	-	-46	Acid

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
			0.00	7.66		W	GNGY	FG	Bx		chl	s	ser	m	WSED(Py,Mg)2-chl	3	2		3	Cl	s	Se	m	SLT		25	Cl	Se	Ba	0.00	3.05	3.05	C103851	10	6020		0.00	3.05	3.05	65	1.36	1.14	37	0.61	20	5	MW	MS	14	70	2	5		

Hole: DDH-I-2006-03 **Section:** _____ **Drilling dates:** June 24-26, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
															DK GY Bx w/ Mg xtals rimmed w/ He and car altered SLT clasts. Matrix of Do, Ba, Ab, Cl. Mg locally massive. Do in matrix and hairline FX's. Ba in matrix and Xcutting FX's to 1.0cm. 5mm euhedral twinned Abxtals slightly altered by chlorite. Minor Fl in matrix.																			21.00	23.00	2.00	C103865	<10	632	21.95	23.93	1.98	75	271.00	2.12	107	1.28	65	12	SW	W	6	45	2	3		
	C	45	23.93	36.12		W	DKGY	CG	Bx		fec	f	alb	w	WMg(Py,Cp)MA3-fec,alb																	23.00	23.93	0.93	C103866	<10	302	23.93	25.91	1.98	80	490.00	2.08	105	1.95	98	12	FR	MS	7	40	5	4		
															MA Mg with interstitial Ba, Do, Py, and Cp. Local Ab in areas.																	23.93	26.00	2.07	C103867	<10	497																		
25																																				25.91	28.96	3.05	85	226.00	2.96	97	2.81	92	14	FR	MS	3	60	1	4		
															(26.13-26.85) Mg not MA. Abundant Se and Cl w/ interstitial Ba, Do, Cp. 800 cps @ 26.60m																				26.00	27.00	1.00	C103868	70	496																		
																																	27.00	29.00	2.00	C103869	<10	225																		
																																	BLANK			C103870	<10	10	28.96	32.00	3.04	65	142.00	2.98	98	2.82	93	14	FR	W	3	30	1	4		
																																	29.00	31.00	2.00	C103871	<10	392																		
30																																																							
																																	31.00	33.00	2.00	C103872	10	490																		
																																							32.00	35.05	3.05	65	203.00	3.05	100	2.86	94	13	FR	W	3	20	2	4		
																																	33.00	35.00	2.00	C103873	<10	356																		
35																																																						
																																	35.00	36.12	1.12	C103874	70	154	35.05	36.12	1.07	90	317.00	0.76	71	0.62	58	13	SW	W	5	20	3	4		
	C	45	36.12	39.02		W	GYGN	FG	Bx		fec	m	pot	m	WSEDHe,Mg(Py,Cp)1-fec,pot	3	1	10	5	Se	m	Ak	f	SLT							36.12	38.00	1.88	C103875	<10	31	36.12	37.44	1.32	85	92.90	1.28	97	1.00	76	10	SW	VW	6	30	1	3		
															GY GN Bx w/ pot and ser altered SLT clasts. Matrix of He, Mg, Ak, Cl, Ba. Weakly FO. HW contact at 45 degrees. He in matrix at top of unit to euhedral Mg xtals up to 1.0cm near bottom up unit. Gradual FW contact.																																																							
																																	37.44	38.25	0.81	75	32.40	0.44	54	0.30	37	7	FR	MS	12	40	2	3		
																																	38.00	39.02	1.02	C103876	<10	115	38.25	39.17	0.92	65	66.60	0.74	80	0.58	63	12	FR	W	12	45	2	3		
	FO	45	39.02	45.08		W	GYRD	FG	Bx		fec	s	pot	w	WSEDMg(He)1-fec,pot	2		3	10	Ak	m	Ba	w	SLT		15	Mg	He	Ak		39.02	41.00	1.98	C103877	<10	26	39.17	41.61	2.44	90	10.60	2.32	95	1.47	60	10	FR	W	9	40	4	3		
															DK GY RD Bx w/ fec and pot altered SLT clasts w/ He, Mg, Ak, Ba, Se, Cl matrix. Weak FO (45) in middle of unit. Top of unit CR.																																																				
40																																																							
	FO	45													(41.65-42.70) weakly FO (45). Pot alteration increasing toward bottom of unit. Euhedral Mg xtals increase in size.																				41.00	43.00	2.00	C103878	<10	33	41.61	43.28	1.67	90	11.30	1.54	92	1.02	61	12	SW	S	5	35	5	3		
																																	43.00	45.08	2.08	C103879	<10	113	43.28	46.33	3.05	150	3.95	2.84	93	2.49	82	12	SW	W	5	25	5	4		
45	C	45	45.08	48.00		W	PKRD	FG	Bx		fec	s	pot	m	WSED(Mg)1-fec,pot		1		5	Se	m	Ba	f	SLT		15	Ak	Ba	Se		45.08	47.00	1.92	C103880	80	1910																		
															RDPK Bx w/ fec and pot altered SLT clasts and pot altered matrix. Clasts also altered to Se. matrix contains Ak, Se and Ba. Ba also in xcutting VT's up to 2.5cm and contain Mg. Ba VT's approx. 10 degrees to core axis.																																																					
																																							46.33	48.77	2.44	150	5.16	1.72	70	0.94	39	9	MW	VW	6	35	4	2		
															(45.40-45.45) VT containing Qz, Mg, and Cp.																	47.00	48.00	1.00	C103881	210	760	48.77	51.82	3.05	100	3.07	2.82	92	2.36	77	13	FR	W	5	35	1	2		
	FX	40	48.00	49.80		W	GYGN	FG	Bx		ser	s	fec	w	WSED(He,Cp)1-ser		1	2		Ba	s	Ak	w	SLT		10	Ba	Qz	Ak		48.00	49.80	1.80	C103882	20	519																		
															weakly brecciated w/ ser altered SLT clasts w/ weak fec alteration. Matrix of Ba, Qz, Ak, He, Py. FX at 40 degrees.																				49.80	50.80	1.00	C103883	2460	>10000																		
50	FO	40	49.80	53.34		W	GYGN	FG	Bx		ser	s	fec	w	WSED(Cp)1-ser	2	3	2		Ba	m	Ak	f	SLT		15	Ba	Qz	Ak		50.80	53.34	2.54	C103884	10	3360																		

Hole: DDH-I-2006-03 **Section:** **Drilling dates:** June 24-26, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
															GY GN Bx w/ ser altered SLT clasts and matrix of Ba, Qz, Ak, He, Py. Moderately FO 40.																																									
															(49.90) 700 cps																																									
															(50.25) 4000 cps																53.34	55.00	1.66	C103885	10	767	53.34	56.38	3.04	75	15.30	3.04	100	2.20	72	13	FR	W	4	30	1	4		
			53.34	56.51		W	GYGN	FG	Bx		ser	ms	chl	w	WSED(He)1-ser	3	1	5		Ba	m	Ak	w	SLT		15	Ba	Se	Cl																												
55															GY GN PK Bx w/ ser and pot altered clasts. Matrix of Ba, Mg, Se, Py and minor Cl. HW contact 35 degrees. Clasts up to 5.0cm. Mg euhedral in matrix w/ xtals up to 1.5cm increasing in size towards bottom of unit. No FO. Cross cutting VT's of Ba up to 4.0cm at 40 degrees.																			55.00	56.51	1.51	C103886	<10	246																								
																														56.51	59.20	2.69	C103887	10	481	56.38	59.44	3.06	65	4.76	2.89	94	2.05	67	10	FR	W	6	35	5	3		
60			59.20	60.54		W	PKGY	FG	Bx		pot	m	ser	m	WSED(He)1-pot,ser	3	1	7		Ba	f			SLT		15	Se	Ba	He	59.20	60.54	1.34	C103888	<10	1280	59.44	62.48	3.04	70	10.00	2.85	94	2.24	74	8	FR	MS	7	35	3	3		
																														60.54	61.00	0.46	C103889	<10	2220																								
*															GN PK GY Bx w/ pot altered clasts. Matrix of Se, He, Ba. Strong Se alteration in matrix. Xcutting VT's of BA. Euhedral xtals of He (martite) very abundant in sections. No foliation.																			BLANK			C103890	<10	12																								
*	VEN	40	60.54	61.00		VEN	PKGN	Bx							VEN		2		10											61.00	61.78	0.78	C103891	<10	465	62.48	65.53	3.05	90	12.70	2.52	83	1.27	42	10	FR	W	5	40	5	3		
*															Ba VEN w/ angular Mg xtals and few SLT clasts. HW contact 40.																61.78	61.90	0.12	C103892	<10	1910																								
*	C	30	61.00	61.78		W	DKGY	FG	Bx		fec	s	ser	w	VHe(Mg)MA3-fec	1	2	70	10					SLT		80	He	Mg	Se	61.90	62.62	0.72	C103893	<10	53																								
*															MA He. Minor breccia clasts altered by fec ans ser. Matrix of He, Mg, Se, Ba.																62.62	63.70	1.08	C103894	<10	3290																								
*	C	45	61.90	62.62		SLT	GNPK	CR			pot	m	ser	m	SLT	3			7											63.70	66.00	2.30	C103895	20	2440																								
*															pot, ser altered SLT country rock. CR texture.																																									
*	C	25	62.62	64.10		VEN	GYGN	Bx			chl	m	ser	f	VEN	3	1		5																																								
*															Ba VEN w/ angular Mg xtals and few SLT clasts. Moderate chl and ser alteration. HW contact 25.																																										
65	C	90	64.10	70.71		W	GNPK	FG	Bx		ser	s	chl	w	WSEDBa,He(Py)1-ser	3	2	10		Ba	s			SLT		15	Ba	He	Py									65.53	68.58	3.05	75	12.80	2.70	89	1.58	52	9	FR	MS	10	30	5	4		
															GY GN PK Ba rich Bx w/ ser altered SLT clasts. Matrix of Ba, He, Py, Cp contains numberous xcutting Ba VT's w/ assoc. euhedral Hs (martite), Cp and Py. HW contact 90.																			66.00	68.00	2.00	C103896	20	1960																								
															(65.33-65.53) MA HE w/ Ba and Py. Very Fractured and Cl altered near bottom of unit.																																									
																														68.00	70.00	2.00	C103897	<10	742	68.58	70.10	1.52	80	0.81	0.84	55	0.46	30	7	FR	W	6	60	5	4		
70	FLT	30	70.71	71.31		FLT	GNGY	SH			chl	s	ser	s	FLT					GO	s	Cl	s							70.00	70.71	0.71	C103898	10	148	70.10	70.71	0.61	90	0.76	0.34	56	0.13	21	6	FR	VW	8	60	2	3		
															FLT w/ strong ser and chl alteration, and GO. HW contact ~30.																70.71	71.31	0.60	C103899	100	88	70.71	73.15	2.44	95	0.12	0.98	40	0.18	7	5	FR	W	11	50	1	1		
	SH	40	71.31	81.47		SLT	GYGN	CR	SH		ser	m	car	m	SLT					Do	m	Qz	w							71.31	73.00	1.69	C103900	<10	12																								
															ser altered CR SLT w/ Do, Qz infill of hairline FX and VT's up to 2.0cm. Minor chl alteration. SH at 40.																																										
																														73.00	75.00	2.00	C103901	<10	23	73.15	74.67	1.52	90	0.05	0.87	57	0.14	9	7	FR	VW	10	40	1	1		
75																														75.00	77.00	2.00	C103902	<10	233	74.67	77.72	3.05	70	0.07	1.69	55	0.43	14	9	FR	MS	12	45	1	1		
																														77.72	80.77	3.05	C103903	<10	10	77.72	80.77	3.05	70	0.10	1.69	55	0.78	26	9	FR	MS	8	45	1	1		
80	FLT	25	81.47	81.85		FLT	GYGN	Bx			ser	s	chl	s	FLT																							80.77	82.29	1.52	90	0.06	1.21	80	0.82	54	12	FR	W	5	35	2	2		

Hole: DDH-I-2006-03 **Section:** _____ **Drilling dates:** June 24-26, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
															Tectonic Bx. Clasts of QTE in tectonically altered Se, Cl matrix. HW contact 25.
	C	30	81.85	91.54		SLT	GYGN	CR	SH		ser	f	car	w	SLT
															SLT country rock, ser altered. Do and Cl in hairline FX and VT's up to 1.0cm.
85															
	C	60													(88.06-88.21) 15cm of recrystallized tectonic Bx. HW contact 60 degrees.
90	C	45	91.54	91.90		FLT	GYGN	SH	GO		ser	s			FLT
															FLT w/ Go and ser alteration. HW contact 45 degrees.
	C	45	91.90	100.28		SLT	GYGN	SH	CR		ser	m	chl	m	SLT
															CR and SH SLT country rock. SH at 40 degrees. Ser and chl alteration throughout.
95															(94.03-94.45) Section of bleached tectonic Bx. Angular grains up to 3.0cm. HW contact irregular.
100	FLT	65	100.28	102.85		FLT	GYGN	Bx			ser	s	chl	s	FLT
															FLT, tectonically brecciated SLT w/ Se, Cl and GO. Angular clasts. HW contact 65 degrees.
	C	45	102.85	110.03		SLT	GYGN	CR	SH		ser	m	car	w	SLT
															CR and SH SLT.
105															
110															EOH 110.03 m

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
					Do	w	Cl	w						
85														
90					GO	s	Se	s						
95														
100														
105														
110														

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
							82.29	84.12	1.83	150	0.02	0.94	51	0.11	6	8	FR	VW	11	45	1	1		
							84.12	85.34	1.22	90	0.15	0.31	25	0.00	0	5	FR	W	14	55	3	1		
							85.34	85.95	0.61	110	0.07	0.21	34	0.00	0	4	FR	VW	0	40	5	2		
							85.95	87.17	1.22	85	0.13	0.91	75	0.00	0	5	FR	W	17	50	4	3		
							87.17	87.78	0.61	70	0.15	0.22	36	0.00	0	5	FR	W	13	50	1	2		
							87.78	88.54	0.76			0.49	64	0.12	16	9	FR	W	12	40	1	1		
							88.54	90.37	1.83	75	0.05	1.42	78	0.23	13	9	FR	W	10	35	1	2		
							90.37	91.44	1.07	85	0.07	0.74	69	0.54	50	10	FR	W	8	40	1	1		
							91.44	91.74	0.30	70	0.07	0.16	53	0.00	0	4	SW	W	0	50	5	1		
							91.74	93.27	1.53	70	0.09	1.21	79	0.77	50	12	FR	W	6	50	5	3		
							93.27	94.49	1.22	70	0.29	1.01	83	0.74	61	9	FR	MS	7	35	1	1		
							94.49	96.16	1.67	80	0.48	1.46	87	1.07	64	10	FR	W	6	25	1	2		
							96.16	97.69	1.53	75	0.13	0.98	64	0.46	30	9	FR	MS	10	40	1	2		
							97.69	98.45	0.76	70	0.43	0.54	71	0.00	0	7	FR	W	12	35	3	3		
							98.45	100.58	2.13	75	0.09	1.22	57	0.58	27	9	FR	W	12	50	5	3		
							100.58	102.41	1.83	80	0.07	1.54	84	0.94	51	10	SW	VW	8	35	5	3		
							102.41	104.55	2.14	70	0.13	1.81	85	0.87	41	10	FR	W	10	45	4	3		
							104.55	106.38	1.83	65	0.13	1.41	77	1.07	58	11	FR	W	7	30	2	1		
							106.38	107.59	1.21	70	0.27	0.67	55	0.36	30	8	FR	W	11	20	2	1		
							107.59	108.05	0.46	75	0.07	0.35	76	0.11	24	5	FR	VW	14	30	5	1		
							108.05	108.36	0.31	60	0.37	0.19	61	0.10	32	4	FR	MS	20	40	3	3		
							108.36	109.73	1.37	80	0.17	0.84	61	0.29	21	7	FR	S	12	40	1	1		
							109.73	110.02	0.29	75	0.22	0.40	138	0.11	38	8	FR	W	14	40	1	1		

IGOR PROPERTY

YUKON URANIUM PROJEC
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517345	7213678		170.38

Casing: depth: _____ out

Core Size: btw

Logger: Ben Gelber

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:
Contractor: Superior

Hole: DDH-I-2006-04

Section: _____

Drilling dates: June 26-30, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	056	-50	Brunton
169.16	-	-46.5	Acid

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
			0.00	3.46		W	GYGN	CG	Bx		car	m	chl	m	WSEDMg,Ba(Py)2-fec,car	3	1		15	Ba	m	Ak	f	SLT		30	Ba	Ak	Cl	0.00	3.46	3.46	C103951	20	3050		0.00	3.05	3.05	70	131.00	0.84	28	0.40	13	8	SW	W	8	60	1	2						
															GY GN Bx w/ SLT clasts and matrix of Ba, Mg, Ak, Cl, Se, Py. Matrix has been car and chl altered w/ ser present as well. Contains Ba FG in matrix and as VT's up to 3.0cm. Mg occurs as euhedral crystals up to 1.5cm throughout unit. No FO, gradual contact.																																																							
			3.46	15.95		W	RDGY	FG	Bx		fec	m	pot	m	WSED(Mg,Py)1-fec,pot	3	2		5	Ba	m	Ak	f	SLT		10	Ba	Ak	Se	3.46	5.00	1.54	C103952	10	555		3.05	4.57	1.52	85	54.90	1.07	70	0.58	38	9	FR	MS	8	20	1	3						
															PK RD GY Bx w/ fec, pot altered SLT clasts. Matrix of Ba, Ak, Mg, Py, Se, Cp. Ba in matrix as xcutting VT's. MG FG in matrizx and a euhedral xtals up to 1.0cm.																																																						
5																														5.00	8.00	3.00	C103953	20	5850		4.57	6.10	1.53	70	21.60	1.13	74	0.83	54	9	FR	MS	7	50	1	2						
																																				6.10	9.14	3.04	65	41.70	2.19	72	1.46	48	9	FR	W	6	30	4	3						
																														8.00	11.00	3.00	C103954	10	6940																										
																																				9.14	10.67	1.53	70	26.60	0.98	64	0.58	38	10	SW	MS	6	55	1	2						
10																																				10.67	12.19	1.52	65	19.10	1.00	66	0.54	36	10	SW	S	7	40	4	3						
	FO	50													(12.49) FO appears below this point, mineralogy remains constant.																																																				
																														11.00	14.00	3.00	C103955	<10	767		12.19	15.24	3.05	65	7.90	2.49	82	1.66	54	12	FR	S	5	60	1	4						

Hole: DDH-I-2006-04 **Section:** _____ **Drilling dates:** June 26-30, 2006

Depth (m)	Struct. Type	Struct. Attitude	From (m)	To (m)	Interval (m)	LITHOLOGY Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
															GY GN Bx w/ alb altered SLT clast and minor chl alteration. Matrix of of MG, Ba, Ak, Cl, Ab, Py, Cp. Moderate fec alteration and chl overprinting of matrix. Mg abundant as euhedral xtals up to 1.0cm, no FO. Ba in matrix and as xcutting VT's up to 5.0cm															
25	FX	30	25.65	30.80		W	GY	FG	Bx		fec	ms	chl	m	WMg(Py)MA3-fec	10	3		70	Ba	m	Ak	m	SLT		85	Ba	Ak	Cl
															MA Mg w/ Py. Matrix of Mg, Ba, Ak, Cl. Cl alteration of formerly Ab altered clasts . No FO. Ba in matrix and as xcutting VT's up to 1.0cm.															
30			30.80	34.52		W	GYGN	CG	Bx		chl	s	fec	m	WSEDMg(Ba,Py)2-chl,fec	7	2		20	Ba	m	Ak	m	SLT		35	Ba	Ak	Cl
															GY GN Bx w/ chl altered SLT clasts. Fec altered matrix of Mg, Ba, Ak, Cl. Appears that xtal mush of Ab has been converted to Cl . No FO, contacts gradational. Ba in matrix and as xcutting VT's up to 2.0cm.															
															(32.10) 500 cps														
35	FX	30	34.52	38.33		W	DKGY	FG	Bx		fec	w	chl	w	WSEDMg(Py)3-fec	5	1		20	Ba	f	Ak	w	SLT		60	Ba	Ak	Cl
															DK GY Bx w/ SLT clasts. Matrix supported. Matrix of Mg, Ba, Ak, w/ minor Cl. Minor fec alteration. Mg FG to euhedral xtals up to 1.0cm. FX at 30 degrees.															
	FO	35	38.33	40.50		W	GY	CG	Bx		alb	m	fec	m	WSEDMg(Py)1-alb	2	1		10	Ba	m	Aki	f	SLT		20	Ba	Ak	Mg
															GY Bx w/ alb altered clasts in matrix of Mg, Ba, Ak, Ab, Py, Cp. Moderate FO 35 degrees. Mg xtals euhedral up to 1.0cm															
40																													
	FO	30	40.50	42.00		SLT	GY	FG	CR						SLT														
															CR alb, fec altered SLT. Ba and Ak infilling of hairline FX and VT's up to 0.5cm. FO 30 degrees.															
	C	70	42.00	45.20		W	GY	FG	Bx		alb	m	fec	m	WSED(Mg)1-alb	3	1		15	Ba		Ak		SLT		20	Ba	Ak	Ab
															GY Bx w/ alb altered clasts in matrix of Mg, Ba, Ak, Ab, Py. Mg xtals euhedral up to 0.5cm. Ba in matrix and VT's up to 1.0cm. Ak in hairline FX and VT's up to 0.5cm.															
45	C	45	45.20	46.94		W	GY	FG	Bx		alb	m	fec	m	WSED3-alb	1			3	Ba	w	Ak	w	SLT		90	Ab	Ba	Ak
															FG Bx. Small clasts. Matrix of Ab, Ba, Ak. No FO.															
	FO	60	46.94	55.53		W	GYPK	FG	Bx		alb	ms	car	w	WSEDBa2-alb	3	1		3	Ba	ms	Do	w	SLT		25	Ab	Ba	Do
															GY PK Bx w/ alb altered SLT clasts and Ab, Ba, Do matrix. Twinned euhedral Ab xtals to 0.5cm in matrix. Ba as xcutting VT's to 8.0cm. Do infilling hairline FX and Xcutting the Bx and Ba in VT's to 1.0cm. Weakly FO (60), alb alteration very strong at top of unit to weak at bottom. gradually switches to fec alteration w/ introduction of Si.															

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
							24.38	27.43	3.05	70	26.40	2.73	90	2.12	70	13	FR	S	2	50	5	3		
25	25.65	28.00	2.35	C103961	<10	203																		
							27.43	28.96	1.53	65	12.90	1.31	86	1.18	77	13	SW	W	4	30	1	3		
	28.00	30.80	2.80	C103962	<10	431	28.96	30.48	1.52	90	11.20	1.38	91	1.08	71	11	FR	MS	6	45	5	3		
30	30.80	31.60	0.80	C103963	10	164	30.48	33.53	3.05	120	42.70	2.67	88	2.08	68	12	FR	W	7	60	5	3		
	31.60	32.60	1.00	C103964	240	310																		
	32.60	34.52	1.92	C103965	20	196																		
							33.53	35.05	1.52	65	5.51	0.58	38	0.15	10	5	FR	MS	18	50	1	2		
	34.52	36.50	1.98	C103966	<10	24																		
35							35.05	35.81	0.76	70	0.81	0.52	68	0.42	55	10	FR	W	11	30	5	2		
	36.50	38.33	1.83	C103967	<10	245	35.81	38.86	3.05	65	31.20	2.82	92	2.20	72	13	FR	W	5	30	4	3		
	38.33	40.50	2.17	C103968	<10	95	38.86	40.84	1.98	80	9.32	1.86	94	1.35	68	12	FR	W	5	40	1	4		
40	40.50	42.00	1.50	C103969	<10	39	40.84	41.30	0.46	90	0.42	0.32	70	0.11	24	9	FR	W	9	40	5	4		
	BLANK			C103970	<10	6	41.30	44.20	2.90	75	2.22	2.78	96	2.40	83	13	FR	W	3	30	2	4		
	42.00	45.20	3.20	C103971	<10	25																		
							44.20	45.72	1.52	95	7.71	1.27	84	0.96	63	10	FR	W	7	60	1	2		
45	45.20	46.94	1.74	C103972	<10	21	45.72	48.77	3.05	70	2.36	2.84	93	1.99	65	13	FR	W	3	30	1	3		
	46.94	50.00	3.06	C103973	<10	15																		
							48.77	53.34	4.57	85	1.91	4.38	96	3.87	85	14	FR	W	2	40	5	3		

Hole: DDH-I-2006-04 **Section:** **Drilling dates:** June 26-30, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
50																													
55			55.53	60.58		W	RDPK	FG	Bx		fec	s	ser	m	WSED1-fec	2	3		3	Si	w	Do	w	SLT		15	Si	Se	Ba
															RD PK Bx w/ ser, fec altered SLT clasts. Matrix of Si, Ba, Do, Se, Mg, Cp, Py. Cp and Mg in matrix and as FX infill. No FO. Gradual upper and lower contacts.																	
60	FO	35	60.58	75.00	W	W	GYGN	FG	Bx		ser	s	fec	m	WSED(Mg,Cp)1-ser	2	3		7	Si	s	Do	w	SLT		15	Ak	Do	Se
															RD GY GN Bx w/ ser altered clasts and matrix of Si, Ak, Do, Mg, Ab, Cp, Py, BA. Moderate FO. Becomes bleached near bottom of unit. Euhedral Mg xtals in matiex up to 2.0cm. FG Cp, Py as FX infill.																	
65																													
															(68.20) 2300 cps														
70																													
75	FO	30	75.00	79.50		W	GYGN	FG	Bx		ser	s	car	m	WSED1-ser	2	1		3	Do	m	Ab	w	SLT		20	Se	Do	Ak
															GY GN Bx w/ ser altered clasts. Ser, car altered matrix of Se, Do, Ak, Ab, Cl, Mg, Py, Cp. Unit is bleached and highlyser altered. Do and Ak in matrix and laso as xcutting hairline FX infill and VT's. weak FO.																	
80	FO	45	79.50	100.12		W	GYGN	FG	Bx		ser	i	car	m	WSED1-ser	1	1	2		Do	m	Ab	w	SLT		10	Se	Do	Ak
															GY GN Bx w/ ser altered clasts and matrix. Matrix of Se Do, Ak, He, Ab, Cl. Euhedal He (martite) xtals in in matrix to 0.5cm. Appears tectonically brecciated in places and CR in others. Unit is very bleached. Weak to moderate FO and FX at 45. Gradual upper and lower contacts.																	
85																													
															(87.48-89.62) tectonically brecciated section. Abundant Cl, heavily sheared.																	
90																													

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
50	50.00	53.00	3.00	C103974	30	49																		
	53.00	55.00	2.00	C103975	<10	114	53.34	56.39	3.05	120	3.28	3.00	98	2.78	91	14	FR	MS	2	60	2	2		
55	55.00	56.00	1.00	C103976	210	603																		
	56.00	58.50	2.50	C103977	150	3770	56.39	59.46	3.07	115	11.30	2.46	80	2.12	69	14	FR	MS	2	40	3	2		
	58.50	60.58	2.08	C103978	290	>10000																		
							59.46	65.53	6.07	150	17.10	5.54	91	3.44	57	13	FR	W	5	35	3	3		
60	60.58	63.00	2.42	C103979	110	9960																		
	63.00	64.20	1.20	C103980	110	>10000																		
	64.20	65.20	1.00	C103981	940	9270																		
65	65.20	67.90	2.70	C103982	90	>10000	65.53	68.58	3.05	250	167.00	2.95	97	2.71	89	13	FR	W	3	50	4	3		
	67.90	68.90	1.00	C103983	2110	>10000																		
	68.90	70.90	2.00	C103984	680	6960	68.58	70.10	1.52	200	2.64	1.12	74	1.07	70	11	FR	W	6	35	5	4		
70	70.90	73.00	2.10	C103985	350	5710	70.10	73.15	3.05	150	1.81	2.59	85	2.30	75	13	FR	W	6	60	2	1		
	73.00	75.00	2.00	C103986	110	1860	73.15	74.68	1.53	120	0.98	1.09	71	0.57	37	10	FR	MS	11	60	2	2		
	BLANK			C103987	<10	41	74.68	77.72	3.04	120	7.77	2.45	81	1.46	48	10	FR	W	7	65	4	2		
75	75.00	78.00	3.00	C103988	20	834																		
							77.72	78.64	0.92	90	1.20	0.44	48	0.24	26	9	FR	W	4	55	5	2		
	78.00	81.00	3.00	C103989	20	1200	78.64	81.69	3.05	80	4.92	2.60	85	1.86	61	12	FR	W	12	60	5	2		
80																								
	81.00	84.00	3.00	C103990	10	725	81.69	83.06	1.37	75	0.56	1.01	74	0.37	27	7	FR	VW	8	30	4	1		
							83.06	83.82	0.76	80	2.97	0.43	57	0.14	18	10	FR	W	12	55	1	3		
							83.82	84.58	0.76			0.66	87	0.47	62	10	SW	VW	8	30	1	2		
	84.00	87.00	3.00	C103991	10	1425	84.58	87.48	2.90	85	2.69	2.50	86	1.32	46	12	FR	MS	8	40	2	3		
85																								
	87.00	90.00	3.00	C103992	10	762	87.48	88.09	0.61	80	1.11	0.54	89	0.25	41	8	FR	VW	15	30	3	2		
							88.09	89.92	1.83	85	1.33	1.25	68	0.91	50	12	FR	W	6	60	1	2		
							89.92	91.29	1.37	75	0.79	0.84	61	0.44	32	9	FR	W	6	50	1	3		
90	90.00	93.00	3.00	C103993	10	1990																		
							91.29	92.53	1.24	85	0.57	0.56	45	0.16	13	5	FR	VW	15	50	2	1		
							92.53	92.96	0.43	95	0.22	0.33	77	0.11	26	9	SW	W	12	40	2	2		

Hole: DDH-I-2006-04 **Section:** _____ **Drilling dates:** June 26-30, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
															(111.80-111.90) 1300 cps
95															
															(98.46-98.60)
100	FLT	25	100.12	105.73		FLT	GNGY	Bx							FLT
	SH	25													large FLT. Tectonically brecciated w/ Cl, Se and GO. HW contact 25, heavy SH 25.
105	FX	45	105.73	108.56		W	GY	FG	Bx		car	s	alb	m	WSEDHe2-car, alb
															Gy Bx w/ alb and car altered clasts. Matrix of He, Do, Ba, Ab. No FO. FX at 45. He (martite) in matrix, FG to euherdral xtals up to 1.0cm.
	FX	45	108.56	112.61		W	PKGY	FG	Bx		fec	m	car	w	WSEDBa,Py(He)3-fec
															PK RD GY Bx w/ fec and car altered clasts. Matrix of Ba, Si, Do, Ab. Clasts almost completely overprinted by alteration. FX infill of Ba, Do, Py, Cp, He. Ba VT's up to 10.0cm.
110															**(111.80-111.90) 1300 cps**
	FX	45	112.61	116.54		W	GY	FG	Bx		fec	s			WPy(Ba,He)MA3-fec
															GY Bx w/ MA Py. Matrix of Py, He (martite) Ba, Si, Do. Clasts very altered and overprinted. FX at 45.
115															
	C	45	116.54	117.75		W	RDGY	FG	Bx		fec	s	car	w	WBa(Py,He)3-fec
															RD GY Bxw/ SLT clast and Ba, Si, Py, He, Cp, Do matrix.
	C	45	117.75	128.09		W	GYWH	CG	Bx		car	m	alb	m	WSEDMg(Py,He)2-car,alb
120															GY Bx w/ car and alb altered SLT clasts. Matrix of MG-He, Do, Ba, Ab. Ba and Do as fracture infill and VT's. No FO. MG-He as euhedral xtals in matrix up to 1.5cm.
125															
			128.09	129.00		W	GY	CG	Bx		car	w	alb	w	WHe(Py,Cp)MA3-car
															MA He w/ Do, Ab, Ba. Gradual contact, No FO.
130	FX	35	129.09	139.09		W	GY	CG	Bx		car	m	alb	w	WSEDPy,He(Mg,Cp)2-car,alb
															GY Bx w/ car and alb altered clasts. Matrix of Py, He, Mg, Do, Ab, Si. Minor fec alteration of matrix in places. DO as hairline FX infill and VT's up to 1.0cm. He-Mg in matrix as euhedral xtals to 1.5cm.
															(131.90) 900 cps
135															(133.60-134.34) He(Py)MA

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
105	3	1	20		Do	m	Ba	m	SLT		30	Bo	Ba	Ab
110	5	3	7	3	Ba	s	Si	w	SLT		50	Ba	Si	Do
	40	5	20	10	Ba	m	Si	w	SLT		80	Ba	Si	Do
115														
	10	3	5		Ba	s	Si	s	SLT		70	Ba	Si	Do
	7	3	5	20	Do	s	Ba	m	SLT		30	Do	Ba	Ab
120														
125														
	20	5	40		Do	w	Ab	w	SLT		80	Do	Ab	Ba
130	15	3	15	5	Do	s	Si	w	SLT		30	Do	Si	Ba
135														

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
	93.00	96.00	3.00	C103994	10	2170	92.96	94.64	1.68	80	2.28	1.23	73	0.69	41	11	FR	W	8	35	2	3		
							94.64	95.40	0.76	70	1.83	0.50	66	0.19	25	5	FR	W	10	35	1	2		
95							95.40	96.77	1.37	85	2.74	0.72	53	0.38	28	7	FR	W	8	30	1	2		
	96.00	99.00	3.00	C103995	10	1625	96.77	97.99	1.22	75	1.44	0.70	57	0.31	25	9	FR	W	10	50	4	3		
							97.99	98.76	0.77	80	0.35	0.16	21	0.00	0	5	SW	MS	16	40	5	5		
							98.76	99.67	0.91	90	0.65	0.20	22	0.00	0	4	SW	W	25	40	5	4		
	99.00	102.00	3.00	C103996	10	1665	99.67	99.97	0.30	65	14.60	0.11	37	0.00	0	4	SW	W	20	35	1	2		
100							99.97	100.12	0.15	85	3.38	0.12	80	0.00	0	4	SW	MS	14	30	1	3		
							100.12	100.43	0.31	85	0.86	0.07	23	0.00	0	3	SW	W	16	35	1	3		
	102.00	103.92	1.92	C103997	30	466	100.43	101.04	0.61	80	0.25	0.20	33	0.00	0	3	MW	VW	18	35	2	3		
	103.92	105.73	1.81	C103998	<10	263	101.04	101.61	0.57	70	0.31	0.26	46	0.00	0	4	MW	VW	19	30	1	4		
							101.61	102.87	1.26	70	0.47	0.74	59	0.22	17	9	SW	W	10	20	1	3		
105	105.73	108.56	2.83	C103999	10	109	102.87	103.93	1.06	115	0.17	1.05	99	0.30	28	7	HW	EW	12	25	5	3		
							103.93	108.51	4.58	120	9.42	4.02	88	2.53	55	12	FR	S	5	35	4	3		
	108.56	111.00	2.44	C104000	190	6660	108.51	111.25	2.74	150	1.77	2.31	84	2.00	73	12	FR	W	4	30	4	3		
110																								
	111.00	112.61	1.61	C104001	840	8770	111.25	114.38	3.13	250	7.61	3.00	96	2.34	75	13	FR	W	4	50	1	5		
	112.61	114.50	1.89	C104002	120	854																		
	114.50	116.54	2.04	C104003	290	492	114.38	115.82	1.44	150	144.00	1.43	99	0.82	57	10	FR	MS	3	30	2	3		
115							115.82	118.87	3.05	200	13.50	2.95	97	2.17	71	11	FR	W	3	40	1	2		
	116.54	117.75	1.21	C104004	830	512																		
	117.75	120.00	2.25	C104005	10	286																		
							118.87	121.92	3.05	150	12.40	2.99	98	2.17	71	13	FR	S	1	45	4	3		
120	120.00	123.00	3.00	C104006	<10	377																		
	BLANK			C104007	<10	4	121.92	123.44	1.52	95	9.02	1.51	99	1.49	98	13	FR	S	1	40	3	3		
	123.00	126.00	3.00	C104008	<10	276	123.44	126.49	3.05	90	12.00	2.84	93	2.62	86	14	FR	S	4	50	5	4		
125																								
	126.00	128.09	2.09	C104009	20	975	126.49	129.54	3.05	110	20.20	3.05	100	2.82	92	14	FR	W	2	35	1	4		
	128.09	129.00	0.91	C104010	10	1330																		
	129.00	131.00	2.00	C104011	40	174	129.54	132.59	3.05	250	23.40	2.84	93	2.24	73	14	FR	W	3	40	2	4		
130																								
	131.00	133.00	2.00	C104012	230	440																		
	133.00	136.00	3.00	C104013	10	585	132.59	135.63	3.04	100	14.30	3.01	99	2.85	94	14	FR	MS	2	25	1	2		
135							135.63	138.99	3.36	215	62.50	3.09	92	2.80	83	13	FR	S	3	50	2	4		
	136.00	139.09	3.09	C104014	160	454																		

Hole: DDH-I-2006-04 **Section:** _____ **Drilling dates:** June 26-30, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor
140	C	55	139.09	142.28		W	GYPK	FG	Bx		fec	s	car	f	WSEDPy(Mg)3-fec	50	1		10	Si	s	Ba	m	SLT		80	Si	Ba	
															GY PK Bx w/ fec altered clasts almost completely overprinted by Si. Matrix of Py, Si, Ba. No FO. HW contact 55.																
	C	55	142.28	147.90		W	GY	CG	Bx		car	s	alb	m	WSED(Mg)3-car	3	1		10	Do	s	Ab	m	SLT		55	Do	Ab	Si
	FX	30													GY RD Bx w/ car amd alb alteration of SLT clasts. Matrix of Do, Ab, Mg, Si. FX at 30. Weak to moderate SH fabric. Mg euhedral in matrix up to 1.0cm. Do in matrix and as FX infill and VT's.														
145																														
	FX	45	147.90	159.72		W	GY	CG	Bx		alb	s	car	m	WSEDMg(Py)2-alb	5	1		15	Do	s	Ab	s	SLT		30	Do	Si	Ab
															GYBx w/ alb, car and fec alteration of SLT clasts and matrix. Clasts and matrix almost completely overprinted by alteration. Matrix of Do, Si, Ab, Mg, Py. Mg in matrix as euhedral xtals up to 2.0cm. Ab FG in matrix and as euhedrl twinned xtals up to 0.5cm. Do in matrix and as FX infill and VT's up to 1.0cm. FX at 45.														
150																														
															(151.55) 1000 cps															
155																														
160	FX	60	159.72	166.15		W	GNGY	FG	Bx		ser	s	alb	f	WSED2-ser	1	1	2		Do	w	Cl	w	SLT		25	Se	Do	Cl
															GN GY Bx w/ alb altered SLT clasts overprinted by ser. Matrix of Se, Do, Cl. No FO. FX at 60, gradual upper and lower contacts.														
165																														
	FO	45	166.15	170.38		W	GNGY	FG	Bx		chl	s	car	f	WSED2-chl	2	t	1		Do	m	Ab	w	SLT		30	Cl	Do	Ab
															GN GY Bx w/ alb and ser altered SLT clasts. Matrix of Cl, Do, Se, Ab. Matrix almost completely chloritized. Some residual Ab. Py as FX infill and euhedral He in matrix. Weak FO at 45.														
170															EOH 170.38 m															

Depth (m)	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
							138.99	141.73	2.74	250	36.60	2.71	99	2.45	89	13	FR	W	3	60	5	4		
	139.09	142.28	3.19	C104015	190	617																		
							141.73	144.78	3.05	200	47.60	3.07	101	2.62	86	13	FR	S	3	30	2	1		
	142.28	145.00	2.72	C104016	50	457																		
							144.78	147.83	3.05	160	61.30	2.88	94	2.70	89	14	FR	S	2	25	4	3		
	145.00	147.90	2.90	C104017	60	58																		
							147.83	150.88	3.05	140	232.00	2.97	97	2.51	82	13	FR	S	2	40	3	3		
	147.90	150.00	2.10	C104018	140	266																		
							150.88	153.92	3.04	115	127.00	2.81	92	2.25	74	13	FR	VW	4	35	1	2		
	150.00	152.00	2.00	C104019	290	109																		
							153.92	156.67	2.75	120	63.20	2.17	79	1.81	66	13	FR	S	3	35	4	3		
	152.00	154.00	2.00	C104020	50	80																		
	154.00	157.00	3.00	C104021	40	63																		
							156.67	159.72	3.05	125	40.80	2.84	93	2.50	82	14	FR	MS	4	35	1	5		
	157.00	159.72	2.72	C104022	30	81																		
	159.72	163.00	3.28	C104023	40	474	159.72	160.48	0.76	120	1.06	0.32	42	0.00	0	5	FR	W	14	65	5	3		
							160.48	161.70	1.22	115	4.07	1.20	98	0.32	26	7	FR	W	10	40	3	2		
							161.70	163.22	1.52			1.18	78	0.60	39	10	FR	W	6	30	4	3		
	163.00	166.15	3.15	C104024	20	2880																		
							163.22	165.20	1.98	115	0.60	1.90	96	1.63	82	13	FR	W	5	25	1	2		
							165.20	168.25	3.05	95	0.42	2.35	77	1.50	49	12	FR	W	6	60	4	4		
	166.15	168.25	2.10	C104025	30	68																		
	168.25	170.38	2.13	C104026	10	70	168.25	170.38	2.13	85	0.30	1.86	87	1.35	63	12	FR	W	5	20	5	2		

IGOR PROPERTY

YUKON URANIUM PROJEC
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517299	7213684		141.12

Casing: depth: _____ out

Core Size: btw

Logger: Ben Gelber

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:
Contractor: Superior

Hole: DDH-I-2006-05

Section: _____

Drilling dates: July 1-3, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	304	-50	Brunton
141.12	-	-43	Acid

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
			0.00	7.61		OVB									OVB																						0.00	1.22	1.22	65.00	9.69	0.24	20	0.00	0	2	EW	EW	0	45	5	5																						1.22	2.74	1.52	65.00	14.40	0.61	40	0.20	13	9	EW	VW	10	50	1	5																						2.74	7.31	4.57	75.00	1.02	0.74	16	0.12	3	5	MW	W	4	35	1	2																					
5																		

Hole: DDH-I-2006-05 **Section:** **Drilling dates:** July 1-3, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
	FX	30													GY GN Bx w/ alb altered clast heavily overprinted by ser. Some remnant Kf alteration of clasts still visible. Matrix of Se, Ab, Mg-He, Do, Cl, Ba. Heavy Se alteration of matrix. Cp and Py as FX infill. Mg-He as euhedral xtals up to 1.0cm. Ba as FX infill. Do FG in matrix and as FX infill. unit appears tectonically brecciated in places. clasts are angular and there is a very weak fabric. FX at 30. becomes very Cl rish near the bottom of the unit and contains more pot altered SLT clasts.												

Hole: DDH-I-2006-05 **Section:** **Drilling dates:** July 1-3, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
75															(76.80-77.26) Qz VT's w/ Cp.														
	C	45	77.26	83.07		W	GYGN	FG	Bx		car	m	ser	m	WSED1-car,ser	1	1	3		Do	m	Cl	f	SLT		10	Do	Se	Cl
	FX	25													GY GN alb altered clasts overprinted by ser. Matrix of Se, Do, Cl, He, Hs, Py, Cp, Qz. Very angular clasts, may be partially tectonically brecciated. HW contact 45, FX 25.													
80																													
	FLT	35	83.07	84.78		FLT	GY	Bx	GO						FLT														
															very broken w/ Se, GO, Cl. HW contact 35.														
															(84.68) 1100 cps														
85	C	50	84.78	86.10		W	GY	FG	Bx		car	m	ser	m	WSED(He)1-car,ser	1		10		Do	m	Ab	f	SLT		15	Do	Se	He
	FX	45													Gy Bx w/ ser altered clasts and matrix of Do, Se, Cl, He, Ab, Qz. CR amd brecciated w/ Cb infill. HW contact 50, FX 45.													
	C	45	86.10	88.50		FLT	GN	Bx	GO						FLT														
															FLT w/ Se, Cl, GO and tectonically brecciated material. HW contact 45.														
	C	45	88.50	141.73		SLT	GYGN	CR	SH						SLT														
90	FX	30													GY GN SLT. CR and SH. HW contact 45, SH and FX 30. Occasional bands of tectonic Bx.													
95																													
100																													
105																													
	FLT	70													(106.88-106.98) Small FLT w/ Se and GO. HW contact 70.														
110																													
115	VEN	20													(114.75-114.85) Qz Vein w/ Py. Crosses core axis at 20.														
120																													
125																													
130																													

Depth (m)	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
75							75.50	77.26	1.76	C104077	<10	809																		
							77.26	80.00	2.74	C104078	<10	138	76.20	80.77	4.57	175.00	1.04	4.05	89	2.75	60	11	FR	W	10	60	2	3		
80							80.00	83.07	3.07	C104079	100	143	80.77	83.82	3.05	200.00	0.52	2.38	78	1.18	39	11	MW	W	12	65	4	3		
							83.07	84.78	1.71	C104080	330	595	83.82	85.34	1.52	300.00	2.57	1.00	66	0.60	39	8	MW	W	8	40	1	2		
85	SLT		15	Do	Se	He	84.78	86.10	1.32	C104081	1020	109	85.34	88.39	3.05	175.00	1.41	2.32	76	1.12	37	6	HW	VW	10	55	1	3		
							86.10	88.50	2.40	C104082	10	235																		
													88.39	89.20	0.81	90.00	0.10	1.31	162	0.76	94	10	MW	W	11	30	3	2		
							88.50	91.50	3.00	C104083	<10	309	89.20	91.44	2.24	80.00	0.06	0.81	36	0.22	10	9	SW	W	12	45	5	2		
90							BLANK			C104084	<10	4																		
													91.44	94.49	3.05	90.00	0.21	1.89	62	0.56	18	9	SW	W	11	30	2	1		
													94.49	96.02	1.53	75.00	0.18	1.00	65	0.55	36	10	FR	W	8	30	1	1		
95																														
													96.02	97.54	1.52	95.00	0.18	0.72	47	0.21	14	7	FR	W	13	65	5	3		
													97.54	100.58	3.04	90.00	0.15	1.71	56	0.32	11	8	FR	W	16	40	4	2		
100																														
													100.58	101.19	0.61	85.00	0.33	0.42	69	0.23	38	6	SW	W	0	0	5	1		
													101.19	103.33	2.14	85.00	0.08	1.84	86	0.35	16	8	FR	W	10	50	1	1		
													103.33	106.07	2.74	75.00	0.04	2.54	93	1.30	47	6	FR	W	8	55	1	1		
105																														
													106.07	106.98	0.91	80.00	2.32	0.66	73	0.15	16	9	FR	MS	14	30	4	2		
													106.98	108.05	1.07	80.00	1.05	0.82	77	0.62	58	12	FR	VW	8	20	2	1		
													108.05	109.11	1.06	80.00	0.03	0.74	70	0.35	33	9	FR	W	10	40	4	2		
													109.11	110.79	1.68	70.00	0.09	1.13	67	0.60	36	10	FR	W	6	50	4	2		
110													110.79	111.86	1.07	70.00	0.15	0.74	69	0.12	11	7	FR	MS	12	50	5	3		
													111.86	114.30	2.44	65.00	0.13	2.10	86	1.22	50	12	FR	W	10	40	2	2		
													114.30	115.21	0.91	75.00	0.08	0.52	57	0.12	13	8	FR	W	14	45	5	3		
115													115.21	116.13	0.92	70.00	0.41	0.51	55	0.26	28	8	FR	MS	11	35	1	2		
													116.13	118.57	2.44	80.00	0.19	1.73	71	0.74	30	8	FR	MS	8	55	4	3		
													118.57	119.79	1.22	85.00	0.24	0.77	63	0.35	29	8	FR	W	7	40	3	1		
													119.79	120.40	0.61	80.00	0.15	0.24	39	0.14	23	10	FR	W	10	45	3	2		
120													120.40	122.22	1.82	70.00	0.04	1.24	68	0.46	25	10	SW	VW	10	40	2	2		
													122.22	124.36	2.14	85.00	0.06	1.13	53	0.24	11	9	SW	W	8	45	2	1		
													124.36	127.41	3.05	80.00	0.08	1.86	61	0.76	25	10	SW	W	8	60	2	1		
125																														
													127.41	128.02	0.61	70.00	0.05	0.49	80	0.14	23	8	SW	W	8	30	2	3		
													128.02	129.54	1.52	80.00	0.42	1.12	74	0.34	22	8	SW	W	8	35	5	3		
													129.54	130.45	0.91	80.00	1.64	0.67	74	0.29	32	10	FR	MS	9	30	5	2		
130													130.45	131.37	0.92	95.00	1.61	0.54	59	0.17	18	5	MW	VW	8	40	5	2		
													131.37	133.20	1.83	90.00	0.11	1.68	92	1.03	56	10	FR	W	8	40	2	2		

Hole: DDH-I-2006-05 **Section:** _____ **Drilling dates:** July 1-3, 2006

Depth (m)	Struct.		LITHOLOGY								ALTERATION					MINERALS								BRECCIA							ASSAYS							Blocks			Radiometrics (average)	Magnetics	GEOTECHNICAL								JOINTS							
											Prim.		Sec.												Clasts		Matrix																	REC		RQD														
	Type	Attitude	From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	Type	Intensity	Type	Intensity	Notes:	Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	Primary	Second	Percent	Primary	Second	Minor	From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		From (m)	To (m)	Intvl. (m)			(m)	Percent	(m)	Percent	Breakage	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)						
																																			133.20	135.03	1.83	90.00	0.01	0.92	50	0.30	16	7	FR	W	16	50	5	2						
135																																			135.03	137.12	2.09	95.00	0.07	1.27	61	0.63	30	10	FR	MS	8	40	1	4						
																																			137.12	138.07	0.95	90.00	0.36	0.77	81	0.47	49	10	FR	MS	10	35	1	2						
																																			138.07	139.29	1.22	80.00	0.07	0.70	57	0.26	21	8	FR	W	14	25	4	2						
																																			139.29	141.12	1.83	75.00	0.10	1.39	76	0.30	16	10	FR	MS	10	50	2	1						
140																																																								
															EOH 141.73 m																																													

IGOR PROPERTY

YUKON URANIUM PROJEC
DIAMOND DRILL HOLE LOG

East	North	Elev.	
517299	7213684		133.5

Comments:
Contractor: Superior

Casing: depth:
Core Size: btw
Logger: Ben Gelber
Scintillometer: Saphymo Stel SPP_2_NF # 287

Hole: DDH-I-2006-0
Section:
Drilling dates: July 4-6, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	060	-50	Brunton
132.59	-	-47.6	Acid

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	
			0.00	10.36	OVB										OVB																				
10	FO	40	10.36	24.44		W	GYRD	FG	Bx		alb	ms	car	m	WSED(He)1-alb,car			5		Ab	ms	Do	m	SLT		15	Ab	Do	Hs							
	FX	35													GY RD Bx w/ alb altered SLT clasts in matrix of Ab, Do, Hs, Se. Clasts sub-angular to angular and are poorly sorted. Slight FO locally 40. FX 35. Ab FG in matrix, Do in matrixand as FX infill and VT's up to 1.5cm.																					
20	FO	60	24.44	27.40		SLT	GY	CR			alb				SLT																				
	FX	40													CR SLT w/ Do infill of fractures. Trace (1%) Hs w/ Do. FO 60, FX 40, may be v large clasts.																					
25	FO	50	27.40	35.65		W	GYGN	FG	Bx		ser	m	alb	m	WSED(He,Py)1-alb,ser	3	t	3		Do	f	Cl	w	SLT		20	Se	Ab	Do							
	FX	35													GY GN Bx w/ alb altered SLT clasts overprinted by ser. Matrix of Se, Ab, Do, Py, He, Cl. Unit is variable in apearance and degree of alteration. Clasts range from rounded to sub-angular. Fx 35.																					
35	FX	60	35.65	42.13		W	GYRD	FG	Bx		alb	ms	car	m	WSED(He)1-alb,car			5		Ab	ms	Do	m	SLT		15	Ab	Do	Hs							
															GY RD Bx w/ alb altered SLT clasts in matrix of Ab, Do, Hs, Se, Cl. No FO. Clasts angular to sub-angular. FX 60.																					
40	FX	50	42.13	49.30		SLT	GN	CR			chl	i	car	f	SLT																				

Depth (m)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
	0.00	1.83	1.83	75.00	1.34	0.44	24	0.00	0	2	EW	EW	0	0	5	4		
	1.83	2.44	0.61	80.00	4.64	0.14	23	0.00	0	2	EW	EW	0	0	5	3		
	2.44	3.66	1.22	80.00	18.50	0.35	29	0.00	0	2	EW	EW	0	0	5	3		
	3.66	4.88	1.22	70.00	10.10	0.10	8	0.00	0	3	VW	W	0	0	5	4		
5	4.88	5.49	0.61	80.00	2.05	0.07	11	0.00	0	3	MW	W	0	0	5	3		
	5.49	7.01	1.52	80.00	13.00	0.45	30	0.15	10	2	EW	EW	0	0	5	3		
	7.01	7.92	0.91	85.00	1.99	0.13	14	0.00	0	3	EW	EW	0	0	5	3		
	7.92	9.14	1.22	75.00	2.22	0.08	7	0.00	0	4	SW	W	0	0	5	3		
	9.14	10.36	1.22	75.00	0.68	0.08	7	0.00	0	3	MW	W	0	0	5	3		
10	10.36	11.28	0.92	80.00	0.28	0.27	29	0.00	0	5	SW	W	16	60	1	5		
	11.28	12.80	1.52	65.00	0.27	1.32	87	0.71	47	11	SW	W	7	35	5	3		
	12.80	14.33	1.53	70.00	0.32	2.05	134	1.76	115	2	FR	W	6	45	1	3		
	14.33	16.15	1.82	70.00	0.24	2.49	137	1.82	100	13	SW	MS	6	50	5	3		
15	16.15	18.29	2.14	80.00	0.54	2.51	117	1.71	80	11	FR	MS	4	50	5	4		
	18.29	21.03	2.74	75.00	0.34	2.58	94	1.59	58	13	FR	W	6	50	1	3		
	21.03	22.86	1.83	80.00	0.63	1.94	106	1.81	99	14	FR	W	2	40	4	3		
	22.86	25.60	2.74	80.00	0.36	2.50	91	1.53	56	11	FR	W	10	40	1	3		
20																		
	25.60	27.43	1.83	70.00	0.39	1.58	86	1.05	57	12	FR	W	5	50	4	3		
	27.43	31.09	3.66	95.00	1.40	2.61	71	1.43	39	11	FR	W	3	70	2	3		
	31.09	32.61	1.52	110.00	2.12	0.91	60	0.69	45	9	SW	W	8	40	4	3		
	32.61	34.14	1.53	80.00	0.49	0.78	51	0.40	26	8	SW	W	10	45	4	3		
30	34.14	35.66	1.52	75.00	1.27	1.15	76	0.63	41	11	FR	MS	6	40	2	3		
	35.66	37.80	2.14	80.00	0.91	1.86	87	0.74	35	10	FR	MS	6	30	1	2		
	37.80	39.62	1.82	70.00	0.41	1.63	90	0.34	19	10	MW	W	10	45	1	2		
	39.62	41.75	2.13	75.00	0.56	1.70	80	1.02	48	10	FR	W	8	70	2	5		
40	41.75	44.20	2.45	70.00	0.61	2.17	89	1.47	60	12	FR	W	9	50	1	3		

Hole: DDH-I-2006-06 **Section:** _____ **Drilling dates:** July 4-6, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
															CR SLT almost completely altered to Cl. Do as FX infill and VT's . FX at 50. Portions of the unit w/ remnant alb altered SLT. CR texture increases towards bottom of unit. Cl decreases toward bottom of unit, Ab increases.
45															
	FX	50	49.30	55.27		W	GYPK	FG	Bx		alb	s	car	m	WSED1-alb,car
															GY PK Bx w/ alb altered SLT clasts and matrix of Ab, Do, He, Se. Do FG in matrix and as euhedral crystals up to
50															0.5cm. No FO, Fx 50.
55	FX	60	55.27	62.53		W	GYGN	FG	Bx		alb	ms	chl	m	WSED1-alb,chl
															GY GN Bx w/ alb altered SLT clasts. Matrix of Ab, Cl, Do. Cl and Se overprints clasts locally. No FO. FX 60. Do as Fx infill and VT's up to 0.5cm. Do also as crystals in matrix up to 0.5cm.
60															
	FO	50	62.53	68.68		SLT	GY	FG	CR		alb	s	car	m	SLT
	FX	50													PK, CR alb altered SLT. Do infill of FX and VT's up to 0.5cm. Some weak ser alteration. FO 50, FX 50.
65															
	FO	60	68.68	85.82		W	GYPK	FG	Bx		alb	s	car	m	WSED(Hs)1-alb
	FX	45													GY PK Bx w/ alb altered clasts. May be remnant pot altered clasts. Matrix of Ab, Do, and minor Ba in area. Do as FX infill and VT's up to 0.5cm Minor Qz as infill and VT's. weak to moderate FO 60, FX 45. Hs FG in matrix.
70															Martite locally abundant.
75															
80															
85	C	20	85.82	88.69		SLT	GYPK	CR			alb	m			SLT
	FX	55													GY PK RD CR alb altered SLT with Do and minor He, Py as FX infill. Weak FO 55. FX 55, HW contact 20.

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity
		2		Do	m	Se	f
		1		Do	m	Se	m
2	t	3		Do	ms	Qz	W
1		2		Do	w		

BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
SLT		10	Do	Ab	He
SLT		15	Do	Ab	Cl
SLT		15	Ab	Do	Qz
SLT					
SLT					

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	

Hole: DDH-I-2006-06 **Section:** _____ **Drilling dates:** July 4-6, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
	FO	75	88.69	95.21		W	PKGN	FG	Bx		alb	ms	ser	m	WSED1-alb,ser
	FX	35													GY PK GN Bx w/ alb altered clasts partially overprinted by ser. Matrix of Se, Ab, Do, Cl, He. Weak FO 75. Some sections of unit more ser altered than others. FX at 35. Do infill of FX and VT's.
90															
95	FO	75	95.21	98.54		W	GY	FG	Bx		alb	m	car	f	WSED(He,Py)2-alb
	FX	35													Gy Bx w/ alb altered SLT clasts. Car and ser altered matrix w/ Ab, Do, He, Se, Py, Cl. Do in matrix and as FX infill and VT's. He FG in matrix. Weak to moderate FO 75. FX 35.
	FO	45	98.54	103.87		W	PKGN	FG	Bx		alb	ms	ser	m	WSED1-alb,ser
	FX	30													GY PK GN Bx w/ alb altered SLT clasts and ser altered matrix of Se, Ab, Do, Qz, Cl, He, Py. Weak FO 45. Fx 30. MINOR CAR ALTERATION OF MATRIX.
100															
	C	80	103.87	106.20		W	GY	FG	Bx		ser	s	alb	w	WSEDHs(Py)2-ser
	FX	40													GY Bx w/ alb altere SLT clasts overprinted by ser. Matrix of Se, Hs, Do, Ab. Hs FG in matrix. Do as FX infill and euhedral xtals in matrix. No apparent FO. FX 40. HW contact 80
105															
	C	10	106.20	117.23		W	GNGY	FG	Bx		ser	s	car	ms	WSED2-ser,car
	FX	45													GY GN Bx w/ alb altered clasts overprinted by car and ser. Matrix of Se, Cb, Cl, Ab, Py, He. no apparent FO. HW contact 10. FX 45.
110															
115															
	C	25	117.23	119.67		W	PKGN	FG	Bx		car	ms	alb	m	WSED(Py,Mg)2-car,alb.
	Fx	60													GY PK GN Bx w/ alb altered SLT clasts overprinted by car and ser. Matrix of Cb, Ab, Cl, Py. No apparent FO. FX 60.
	FX	30	119.67	130.76		W	PKGN	FG	Bx		alb	s	ser	m	WSED(Py,He)2-alb,ser
120															GY PK GN Bx w/ alb altered SLT clasts partially overprinted by ser. Matrix of Se, Ab, Do, Py, He. No apparent FO. FX 30.
125															

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
t		t		Do	w	Cl	w	SLT		20	Se	Ab	Do
5		10		Do	m	Se	w	SLT		30	Ab	Do	He
1		1		Do	m	Qz	w	SLT		20	Se	Ab	Do
1		15		Se	s	Ab	w	SLT		45	Se	He	Do
1		1		Se	ms	Cb	m	SLT		40	Se	Do	Cl
5			3	Se	m	Cl	w	SLT		40	Cb	Ab	Se
5	t	3		Se	ms	Do	f	SLT		30	Se	Ab	Do

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
							87.17	87.78	0.61	90.00	0.38
							87.78	88.39	0.61	85.00	0.37
							88.39	91.44	3.05	85.00	0.22
							91.44	94.49	3.05	80.00	0.26
							94.49	97.54	3.05	70.00	1.59
							97.54	100.58	3.04	100.00	1.61
							100.58	103.62	3.04	140.00	0.82
							103.62	105.16	1.54	95.00	4.27
							105.16	108.20	3.04	90.00	10.80
							108.20	111.25	3.05	80.00	2.03
							111.25	114.30	3.05	70.00	1.25
							114.30	117.35	3.05	75.00	0.95
							117.35	120.40	3.05	70.00	2.45
							120.40	123.44	3.04	80.00	1.29
							123.44	124.97	1.53	90.00	0.59
							124.97	127.71	2.74	70.00	0.29
							127.71	130.45	2.74	95.00	0.13

GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
0.36	59	0.00	0	6	FR	W	16	55	1	1		
0.47	77	0.47	77	12	FR	MS	6	30	4	3		
2.60	85	1.57	51	13	FR	MS	5	35	1	2		
2.94	96	2.55	84	14	FR	MS	6	30	4	2		
2.76	90	2.30	75	13	FR	MS	6	45	4	3		
2.62	86	2.11	69	13	FR	W	5	60	2	1		
2.48	82	1.51	50	12	FR	W	7	40	3	2		
1.52	99	1.42	92	12	FR	W	4	40	4	2		
2.89	95	2.65	87	13	FR	W	3	60	5	4		
2.78	91	2.40	79	14	FR	W	5	40	1	5		
2.44	80	1.88	62	12	FR	W	4	60	3	1		
1.70	56	1.10	36	11	FR	W	6	60	1	3		
3.03	99	2.74	90	13	FR	W	4	60	4	2		
2.76	91	2.58	85	13	FR	W	5	20	3	3		
1.29	84	0.98	64	12	FR	W	3	30	2	2		
2.34	85	1.77	65	13	FR	W	3	35	2	3		
2.39	87	1.38	50	12	FR	W	3	25	5	3		

Hole: DDH-I-2006-06 **Section:** _____ **Drilling dates:** July 4-6, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
130	C	50	130.76	131.79		W	DKGY	FG	Bx		ser	w	alb	w	WSEDHe,Py(Cp)3-car	10	3	15		Se	w	Do	w	SLT		60	He	Py	Se								130.45	133.50	3.05	120.00	1.59	2.99	98	2.16	71	13	FR	W	4	45	4	3		
															DK GY Bx w/ alb altered clasts overprinted by ser. Matrix of He, Py, Se, Ab. No apparent FO. He, Py FG in matrix and as FX infill. HW contact 50.																																														
	FX	45	131.79	133.50		W	GY	FG	Bx		car	ms	alb	m	WSED2-car,alb	2		1		Do	s	Se	w	SLT		55	Cb	Ab	Se																													
															LT GY Bx w/ alb altered SLT clasts partially overprinted by car. Matrix of Cb, Ab, Se, Cl. No apparent FO. FX 45																																													
															EOH 133.50 m																																										

IGOR PROPERTY

YUKON URANIUM PROJEC

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517288	7213574		123.44

Casing: depth: _____ out

Core Size: btw

Logger: Ben Gelber

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:

Contractor: Superior

Hole: DDH-I-2006-07

Section: _____

Drilling dates: July 6-9, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	090	-50	Brunton
123.44	-	-46	Acid

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
			0.00	4.57		OVB									OVB																					0.00	3.05	3.05	110.00	0.28	0.83	27	0.12	4	5	SW	W	0	70	1	3		
																																				3.05	6.10	3.05	125.00	0.31	1.40	46	0.87	29	11	SW	W	5	35	4	3		
	C	20	4.57	7.62		W	GYPK	FG	Bx		alb	s	car	m	WSED2-alb,car	1		2		Do	m	Se	w	SLT		25	Do	Ab	Se	4.57	7.62	3.05	C104101	90	74																			
	FX	35													GY PK Bx w/ alb altered clasts. Matrix of Ab, Do, Se, He, Qz. HW contact 25. FX 35. Unit is highly FO at top of unit 45. Se increases down unit. 10.0cm Do vein at bottom of unit w/ minor Qz.																															
5																																			6.10	7.62	1.52	200.00	0.25	1.28	84	0.82	54	11	FR	W	8	40	2	4		
	C	25	7.62	9.19		W	GN	FG	Bx		chl	i			WSED2-chl	2				Cl	i	Se	f	SLT		40	Cl	Se	Do	7.62	9.19	1.57	C104102	10	46	7.62	9.14	1.52	150.00	0.52	0.99	65	0.41	27	7	FR	W	12	45	2	3		
															GN Bx w/ completely chloritized SLT clasts and matrix. Matrix of CL, Se, Do. HW contact 25. May be faulted at 7.80m. Section is broken and contains GO.																															
	C	40	9.19	14.10		W	GYGN	FG	Bx		chl	s	car	w	WSED(He,Py)2-chl	7		7		Se	m	Qz	w	SLT		40	Cl	Se	Qz	9.19	11.10	1.91	C104103	830	295	9.14	10.67	1.53	200.00	1.81	1.50	98	1.28	84	11	FR	W	10	30	2	2		
															GY GN Bx w/ chl altered clasts and matrix. Matrix of Cl, Se, He-Mg, Py, Qz, Do. HW contact 40. FX 40. Qz VT's up to 3.0cm wide crosscut unit.																															
10																																			10.67	12.19	1.52	120.00	3.34	1.33	88	1.24	82	12	FR	MS	6	60	3	3		
															(10.37) 2000 cps														11.10	14.10	3.00	C104104	20	129																			
																																			12.19	15.24	3.05	140.00	1.59	2.62	86	1.47	48	13	FR	MS	5	40	1	4		
	C	40	14.10	14.98		FLT									FLT															14.10	14.98	0.88	C104105	20	137																			
15															broken w/ GO and Li. HW contact 40.														14.98	18.00	3.02	C104106	<10	40	15.24	16.76	1.52	115.00	0.50	1.12	74	0.92	61	11	FR	W	4	70	5	4		
	C	70	14.98	29.12		W	GYPK	FG	Bx		alb	s	chl	w	WSED(Hs)2-alb	t		7		Do	ms	Se	w	SLT		25	Ab	Do	Hs							16.76	19.81	3.05	110.00	0.35	2.83	93	2.60	85	13	FR	W	8	40	1	4		
	FX	60													GY PK Bx w/ alb altered clasts and matrix of Ab, Do, Hs, Qz and minor Se overprinting of clasts. Unit is very homogeneous. Hs is FG in matrix. Do is FG in matrix and as euhedral xtals up to 0.5cm. HW contact 70. FX 60.																															
																													18.00	21.00	3.00	C104107	<10	6																			
																																			19.81	22.86	3.05	70.00	0.24	2.82	92	2.12	70	13	FR	MS	7	40	1	3		
20																																																					
																													21.00	24.00	3.00	C104108	<10	8																			
																																			22.86	25.60	2.74	75.00	0.43	2.76	101	2.07	76	13	FR	MS	5	50	4	3		
																													24.00	27.00	3.00	C104109	<10	9																			
25																																			25.60	28.65	3.05	80.00	0.57	2.87	94	2.72	89	12	FR	W	5	40	2	3		
																													27.00	29.12	2.12	C104110	<10	32																			
																																			28.65	31.70	3.05	65.00	2.87	2.79	91	2.14	70	13	FR	MS	5	45	5	3		
	FX	45	29.12	34.30		W	PKGY	FG	Bx		alb	s	car	f	WSEDPy(Mg)1-alb	10		5		Do	m	Ba	w	SLT		20	Do	Ab	Ba	29.12	32.00	2.88	C104111	<10	100																			
															PK GY Bx w/alb altered SLT clasts and matrix of Do, Ab, Py, Mg, Ba. Gradual HW contact. Py FG and massive lacally. Mg FG in matrix and as FX infill. FX 45. No apparent FO .																															
30																																			31.70	34.44	2.74	75.00	1.05	2.61	95	2.10	77	11	FR	MS	5	40	3	2		
																													32.00	34.30	2.30	C104112	<10	33																			
	C	80	34.30	39.50		W	PKGN	FG	Bx		alb	m	chl	f	WSED(Hs)1-alb	1		7		Do	ms	Cl	m	SLT		15	Do	Ab	Cl	34.30	37.30	3.00	C104113	10	90	34.44	35.97	1.53	85.00	0.42	1.54	101	1.20	78	11	FR	MS	8	35	2	5		

Hole: DDH-I-2006-07 **Section:** **Drilling dates:** July 6-9, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
35	FX	50													GY PK GN Bx w/ alb altered SLT clasts. Chl and ser overprinting near bottom of unit. Matrix of Do, Ab, Hs, Cl, Se, Qz, Py. Hs FG in matrix and as FX infill. Cl in matrix increases towards bottom of unit. HW contact 80. Slight FO in places 30. FX 50.
															(36.35-37.90) FX, CR and alb altered SLT w/ Do and Py infill.
	C	25	39.50	47.76		W	PKBG	FG	Bx		car	s	alb	ms	WSEDPy1-alb,chl
40	FO	45													GY PK BG Bx w/ alb altered SLT clasts weakly overprinted by car alteration. Matrix of Do, Py, Se, with trace He. Unit is moderately to strongly FO 45. HW contact 25. FX 60. Clasts are stretched and SH locally. FG Py in matrix and as FX infill.
45															
	C	35	47.76	47.92		FLT	GY								FLT
															Broken w/ GO. HW contact 35.
	FO	20	47.92	60.38		W	GYBG	FG	Bx		car	s	ser	m	WSED1-chl,ser
	FX	45													GY BG Bx w/ alb altered SLT clasts overprinted by car and minor ser. Matrix of Do, Se, Ab, and minor Cl. Unit has fabric and appears slightly SH and fused. HW contact 90? FO 20. FX 45.
50															
55															
60	C	50	60.38	71.63		SLT	LTGY	CR			alb	m	car	w	SLT
	FX	50													CR SLT w/ slight alb alteration. Do infill of FX and VT's to 0.5cm. HW contact 50. FX 50.
65															
70															
	FX	40	71.63	80.27		FLT	GY								FLT
															FLT w/ GO and Cl. Contains some SLT sections. Most of unit is very FX w/ large sections of GO. FX 40.
75															

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
15		t		Do	s	Se	w	SLT		20	Do	Py	Se

Hole: DDH-I-2006-07 **Section:** _____ **Drilling dates:** July 6-9, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
																																					79.25	80.77	1.52	80.00	0.06	0.57	38	0.00	0	3	EW	VW	12	60	2	4		
80	FX	60	80.27	83.50		SLT	LTGY				alb	m			SLT																					80.77	82.91	2.14	80.00	0.12	1.07	50	0.36	17	10	SW	W	7	30	5	4		
															Fractured SLT. Slightly alb altered. Some small areas of GO. Cl on FX surfaces. FX 60.																																												
																																					82.91	85.34	2.43	70.00	0.13	1.02	42	0.00	0	4	MW	VW	18	55	5	3		
	FX	60	83.50	85.34		FLT	GY	GO							FLT																		

IGOR PROPERTY

YUKON URANIUM PROJEC
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517868	7213868		132.59

Casing: depth: 14.33 out

Core Size: btw

Logger: Ben Gelber

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:
Contractor: Superior

Hole: DDH-I-2006-0

Section:

Drilling dates: July 10-11, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	090	-50	Brunton
132.59	-	-47.5	Acid

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
			0.00	14.32		OVB									OVB																							0.00	15.24	15.24	70.00	2.72	1.08	7	0.28	2	3	HW	VW	16	30	1	4		
5																																																							
10																																																							
	FO	45	14.32	48.70		W	LTGY	FG	Bx		ser	s	car	m	WSED(Py,Mg)2-ser,car	2			2	Do	m	Ba	w	SLT		30	Se	Do	Cl																										
	FX	35													LY GY PK Bx w/ alb altered clasts weakly overprinted by car and ser. Matrix of Se, Do, Cl, w/ minor Py and Mg. Do and Ba occur as FX infill and VT's. unit appears welded and has fabric and moderate FO 45. FX 30. Do in matrix FG and as euhedral xtals to 0.5cm. Py in matrix FG and as euhedral xtals up to 0.5cm. Mg as euhedral xtals. Ba VT's increase towards bottom of unit.																																																					
15																																																							
																																								15.24	16.76	1.52	65.00	0.37	1.04	68	0.62	41	10	SW	W	9	60	4	3		
																																								16.76	18.90	2.14	70.00	2.51	1.09	51	0.32	15	9	FR	W	14	35	3	2		
																																								18.90	19.81	0.91	65.00	3.34	0.80	88	0.36	40	12	MW	VW	8	15	2	2		
																																								19.81	21.34	1.53	70.00	2.13	1.25	82	1.07	70	12	FR	MS	7	40	4	3		
20																																																						
																																								21.34	24.38	3.04	70.00	4.19	1.74	57	1.15	38	12	FR	W	4	35	2	3		
																																								24.38	26.82	2.44	65.00	6.24	1.79	73	1.72	70	11	FR	W	8	30	5	2		
25																																																					
																																								26.82	28.95	2.13	80.00	3.85	1.70	80	1.04	49	12	FR	W	8	20	5	4		
																																								28.95	30.33	1.38	70.00	1.65	1.00	72	0.31	22	11	FR	W	6	25	3	3		
30																																																					
																																								30.33	31.70	1.37	75.00	0.70	1.26	92	0.68	50	8	FR	W	6	35	3	3		
																																								31.70	32.92	1.22	70.00	0.26	0.78	64	0.44	36	10	FR	MS	8	40	5	5		
																																								32.92	35.51	2.59	60.00	2.33	1.14	44	1.05	41	13	FR	W	8	65	1	2		
35																																								35.51	38.10	2.59	75.00	2.70	2.50	97	2.15	83	13	FR	W	3	55	5	4		
																																								38.10	41.15	3.05	95.00	5.90	2.98	98	2.62	86	13	FR	W	4	20	1	3		
40																																																					
																																								41.15	43.58	2.43	85.00	10.90	2.33	96	2.12	87	13	FR	W	3	45	4	2		
																																								43.58	46.63	3.05	65.00	9.56	2.97	97	2.41	79	13	FR	W	6	25	1	2		
45																																																					
																																								46.63	48.76	2.13	70.00	4.53	2.00	94	1.74	82	14	FR	W	3	35	1	2		
																																								48.76	51.82	3.06	80.00	0.59	2.92	95	2.33	76	14	FR	W	2	40	1	3		
	FO	40	48.70	64.62		W	LTGY	FG	Bx		car	s	ser	m	WSED(Py,Mg)2-car,ser	3	1		2	Cb	s	Do	m	SLT		30	Cb	Do	Se																										

Hole: DDH-I-2006-08 **Section:** _____ **Drilling dates:** July 10-11, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	ASSAYS	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
	FX	35													LT GY GN Bx w/ alb altered clasts strongly overprinted by car. Matrix of Cb, Do, Se, Cl, Py and Mg. Cb and Do as FX infill and VT's up to 0.5cm. Xtals of Cb and Do in matrix. Py as FG FX infill and euhedral xtals up to 0.5cm. Mg as FG infill and euhedral xtals up to 0.3cm. Unit has fabric and appears welded. FO 40. FX 35.																																																
50																		

Hole: DDH-I-2006-08 **Section:** _____ **Drilling dates:** July 10-11, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
85															
	C	60	87.20	91.61		W	GYBG	FG	Bx		car	ms	alb	m	WSED1-car,alb
	FO	50													LT GY BG Bx w/ alb altered SLT clasts weakly overprinted by car. Matrix of Do, Se, Cl, Ab, Mg, Py. Unit has FO and appears welded. HW contact 60. FO 50. FX 40.
90															
	C	45	91.61	97.78		W	GY	FG	Bx		car	m	alb	m	WSED(Ba,He-Mg)1-car, alb
	FO	50													GY Bx w/ alb altered SLT clasts weakly overprinted by car and ser. Matrix of Do, Se, Ba, He-Mg, Cl. Ba as xcutting VT's up to 3.0cm and FG in matrix. He-Mg as euhedral xtals in matrix. Unit is FO at 50. HW contact 45. FX 65
95															
	C	60	97.78	111.30		W	DKGY	FG	Bx		car	f			WHe(Ba)MA3-car
	FO	40													MA He w/ car altered SLT clasts. Matrix of He, Ba, Do, Se, Py. He is FG. Ba in matrix and as xcutting VT's and FX infill. Unit is moderate to strongly FO 40. HW contact 60.
100															
	FO	45	111.30	122.65		W	RDPK	FG	Bx		alb	s	ser	m	WSED(He)1-alb
	FX	35													GY RD PK Bx w/ alb altered SLT clasts. Matrix of Se, Do, He, Ab and trace Ba. Some clasts are large (30 cm) and crackled w/ Do infill. He is FG in matrix. Ba in VT's and trace in matrix. Unit has weak fabric in places. FO 45. FX 35. Some clasts red w/ He staining.
105															
110															
115															
120															
	C	10	122.65	123.83		FLT									FLT
															FLT w/ GO and and crushed rock. HW contact 10.
	C	10	123.83	132.59		W	RDPK	FG	Bx		alb	s	car	m	WSED(He)1-alb

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
85														
	1	t		2	Do	s	Se	m	SLT		15	Do	Se	Cl
90														
	t	t	3		Do	m	Se	f	SLT		10	Do	Se	Ba
95														
	2	t	70		Do	m	Ba	m	SLT		80	Do	Ba	Se
100														
		t	5		Do	w	Ba	w	SLT		10	Se	Do	Ab
105														
110														
115														
120														
		t	5		Do	w	Ba	w	SLT		10	Se	Do	Ab

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
85							85.34	88.39	3.05	60.00	6.42	3.00	98	2.54	83	13	FR	MS	4	60	5	2		
							88.39	91.44	3.05	85.00	3.19	2.59	85	2.18	71	13	FR	W	3	40	1	3		
90																								
							91.44	94.49	3.05	70.00	2.84	2.64	87	1.82	60	12	FR	MS	6	65	1	1		
							94.49	97.53	3.04	80.00	0.64	3.04	100	1.79	59	10	FR	W	7	40	3	2		
95																								
							97.53	100.58	3.05	70.00	1.16	2.52	83	2.00	66	13	FR	MS	3	40	5	4		
100							100.58	103.63	3.05	75.00	0.67	2.50	82	2.20	72	14	FR	MS	4	50	2	3		
							103.63	106.68	3.05	70.00	0.82	3.02	99	1.99	65	13	FR	MS	3	30	1	1		
105																								
							106.68	109.73	3.05	75.00	1.01	2.20	72	1.44	47	10	FR	MS	6	50	3	2		
							109.73	111.86	2.13	80.00	0.44	1.52	71	0.81	38	10	FR	MS	8	40	1	4		
110																								
							111.86	115.82	3.96	100.00	0.26	3.48	88	2.31	58	12	FR	MS	8	40	3	3		
115							115.82	118.57	2.75	80.00	0.24	2.50	91	1.52	55	10	FR	MS	4	40	4	2		
							118.57	120.40	1.83	95.00	0.18	1.67	91	1.41	77	10	FR	MS	4	40	2	3		
120							120.40	121.31	0.91	90.00	0.30	0.62	68	0.47	52	11	FR	MS	7	30	4	3		
							121.31	123.44	2.13	115.00	0.26	1.58	74	1.27	60	12	SW	MS	5	40	2	3		
							123.44	123.75	0.31	85.00	0.14	0.11	35	0.00	0	4	MW	W	0	0	5	4		
							123.75	125.58	1.83	130.00	0.48	1.68	92	0.91	50	10	FR	MS	4	50	5	3		

Hole: DDH-I-2006-08 **Section:** _____ **Drilling dates:** July 10-11, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
	FO	50													GY RD PK Bx w/ alb altered SLT clasts. Matrix of Se, Do, He, Ab, and trace Ba. Some clasts are large (30 cm) and CR w/ Do infilling fractures. Unit has fabric locally. FO 50. FX 35. HW contact 10.																																																	
125																																					125.58	126.19	0.61	100.00	0.30	0.57	93	0.21	34	9	FR	MS	10	45	2	3		
																																				126.19	126.80	0.61	150.00	0.27	0.34	56	0.30	49	10	SW	MS	7	40	1	3		
																																				126.80	127.86	1.06	105.00	0.30	0.69	65	0.38	36	10	FR	MS	8	50	1	3		
																																				127.86	130.15	2.29	120.00	0.25	2.00	87	1.25	55	11	FR	MS	6	45	3	2		
130																																				130.15	132.59	2.44	100.00	0.31	2.25	92	2.11	86	13	FR	MS	4	40	3	3		
															EOH 132.59 m																																										

IGOR PROPERTY

YUKON URANIUM PROJEC
DIAMOND DRILL HOLE LOG

Comments:
Contractor: Superior

East	North	Elev.	Depth
517429	7213852		94.49

Casing: depth: 11.30 out

Core Size: btw

Logger: Ben Gelber

Scintillometer: Saphymo Stel SPP_2_NF # 287

Hole: DDH-I-2006-09

Section:

Drilling dates: July 12-13, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	090	-50	Brunton
94.49	-	-48	Acid

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	
	FO	45	1.83	35.35		W	GY	FG	Bx		ser	s	car	m	WSED(Hs,Py)2-ser	3	t	5		Do	m	Ba	f	SLT		25	Se	Do	Cl							
	FX	40													GY Bx w/ alb altered SLT clasts weakly overprinted by car. Matrix of Se, Do, Hs, Cl, Ba, Qz. Hs occurs FG in matrix. Do as euhedral crystals, FX infill and VT's up to 1.5cm Unit has weak to moderate FO 45. FX 45. Qz as FX infill w/ Do. Cp only appears to occur w/ Qz and Do in VT's.																						
5																																			
10																																			
15																																			
20																																			
25																																			
30																																			
35	FO	45													(34.95-35.05) Massive He. FO 45. Contains Cb xtals.			80		Do	w															
	C	60	35.35	38.36		W	GY	FG	Bx		ser	s	car	f	WSED(Hs)1-ser			3		Se	s	Do	w	SLT		10	Se	Do	Hs							
	FX	45													GY Bx w/ alb altered SLT clasts overprinted by ser. Matrix of Se, Do, Hs, Ba. Do as FX infill and VT's up to 0.3cm. Hs in matrix and around rim of clasts. No apparent FO. HW contact 60. FX 45.																						
	C	85	38.36	40.63		FLT									FLT																					
	FX	45													very FX and broken section w/ some GO. FX at 45. HW contact 85?																					
40	C	40	40.63	77.07		W	GY	FG	Bx		ser	s	car	f	WSED(Hs,Py)1-ser	2	t	5		Do	f	Ba	f													

Depth (m)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
	0.00	2.13	2.13	70.00	0.34	0.18	8	0.00	0	8	SW	W	8	25	5	3		
	2.13	4.88	2.75	75.00	0.32	1.36	49	0.94	34	10	SW	W	7	60	3	2		
	4.88	6.10	1.22	70.00	0.33	0.39	32	0.17	14	9	SW	W	12	45	2	3		
5																		
	6.10	7.01	0.91	75.00	0.51	0.62	68	0.17	19	7	SW	W	8	50	3	3		
	7.01	8.53	1.52	75.00	0.33	0.56	37	0.44	29	12	SW	W	8	45	5	3		
	8.53	11.48	2.95	80.00	0.12	1.45	49	1.11	38	11	SW	W	6	55	1	4		
10																		
	11.48	12.19	0.71	75.00	0.29	0.48	68	0.24	34	10	SW	W	4	35	5	2		
	12.19	15.24	3.05	85.00	0.28	2.95	97	2.56	84	12	FR	W	4	50	5	4		
15	15.24	18.29	3.05	75.00	0.10	2.63	86	1.34	44	11	FR	W	3	55	1	2		
	18.29	20.73	2.44	70.00	0.22	2.22	91	1.89	77	12	FR	W	5	35	3	3		
20	20.73	23.77	3.04	65.00	0.24	2.97	98	2.68	88	14	FR	W	2	30	5	3		
	23.77	25.60	1.83	70.00	0.50	1.70	93	1.50	82	10	FR	W	4	40	2	3		
25	25.60	28.65	3.05	80.00	0.27	2.93	96	2.72	89	13	FR	W	3	40	5	3		
	28.65	29.87	1.22	75.00	0.32	1.12	92	1.07	88	13	FR	W	6	50	4	3		
	29.87	32.00	2.13	70.00	0.22	1.94	91	1.63	77	12	FR	W	5	30	1	2		
30																		
	32.00	33.53	1.53	70.00	0.54	1.44	94	1.10	72	12	FR	W	4	30	2	1		
	33.53	36.58	3.05	80.00	0.33	2.68	88	1.29	42	12	FR	W	3	45	1	2		
35																		
	36.58	39.62	3.04	70.00	0.21	3.04	100	0.81	27	10	SW	W	5	45	1	2		
	39.62	42.67	3.05	65.00	0.24	2.13	70	0.84	28	7	SW	W	10	40	2	2		
40																		

Hole: DDH-I-2006-09 **Section:** **Drilling dates:** July 12-13, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)		Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
	FO	50?													GY Bx w/ alb altered SLT clasts overprinted by ser. Matrix of Se, Do, Hs, Ba, Cl. Hs FG in matrix and around rim of clasts. Do in matrix and as cross cutting VT's and FX infill. Ba as xcutting VT's up to 1.0cm. Py as euhedral xtals to 1.0cm and FG as secondary FX infill. Cp in trace amounts as FX infill. both Cp and Py associated w/ Ba and Do VT's. Hs in greater concentration near top of unit. weak FO locally 50. FX 30. HW contact 45																																																						
																																									42.67	45.72	3.05	70.00	0.19	2.95	97	2.30	75	13	SW	W	3	60	1	3		

Hole: DDH-I-2006-09 **Section:** _____ **Drilling dates:** July 12-13, 2006

Depth (m)	Struct.		LITHOLOGY								ALTERATION					MINERALS								BRECCIA							ASSAYS							Blocks			Radiometrics (average)	Magnetics	GEOTECHNICAL								JOINTS						
											Prim.		Sec.												Clasts		Matrix																	REC		RQD													
	Type	Attitude	From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	Type	Intensity	Type	Intensity	Notes:	Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	Primary	Second	Percent	Primary	Second	Minor	From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		From (m)	To (m)	Intvl. (m)			(m)	Percent	(m)	Percent	Breakage	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
																																			88.09	89.92	1.83	85.00	0.27	1.56	85	1.34	73	12	FR	W	3	40	3	3			
																																			89.92	92.96	3.04	105.00	0.22	2.81	92	2.26	74	13	FR	W	3	55	1	1			
90																																																					
																																			92.96	94.49	1.53	95.00	0.28	1.49	97	0.92	60	12	FR	W	8	50	3	3			
95															EOH 94.49 m																																										

IGOR PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517404	7214016		155.45

Casing: depth: 13.72 m out

Core Size: btw

Logger: Ben Gelber

Scintillometer: Saphymo Stel SPP_2_NF # 287

SURVEY	Depth	Azi.	Dip	Method
	Collar	224	-50	Brunton
	155.45	-	-46.3	Acid

Comments:

Contractor: Superior

Hole: DDH-I-2006-10

Section:

Drilling dates: July 13-16, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
			0.00	15.04		OVB									OVB																					0.00	13.72	13.72	350.00	25.40	1.81	13	0.43	3	4	SW	W	12	55	1	2		
5																																																					
10																																																					
																																					13.72	15.24	1.52	500.00	5.91	0.16	11	0.10	7	8	FR	W	16	60	4	3		
15			15.04	15.47		W	GY	FG	Bx		ser	s	car	f	WSED(He)1-ser	t		1		Se	s	Do	m	SLT		20	Se	Do	Hs	15.04	15.47	0.43	C104151	<10	9	15.24	16.76	1.52	200.00	7.98	1.37	90	0.56	37	9	MW	MS	8	55	1	4		
															GY Bx w/ alb altered SLT clasts overprinted by ser and car. Matrix of Se, Do and trace Hs. No FO. Do as xtals in matrix.																	15.47	16.74	1.27	C104152	5030	150	16.76	18.29	1.53	350.00	5.63	1.42	93	0.86	56	10	SW	MS	4	50	1	5		
	C	25	15.47	18.06		W	RD	FG	Bx		pot	s	car	m	WSED(Py,Mg,Ba)3-pot	2	t		2	Do	m	Ba	w	SLT		60	Kf	Do	Ba	16.74	18.06	1.32	C104153	580	30																		
	FO	45													RD Bx w/pot altered SLT clasts. Matrix of Kf, Do, Py, Mg, Ba, Qz. Very recrystallized, slight FO 45. HW contact 25. FX 70. Visible pitchblende from 16.20-																	18.06	20.00	1.94	C104154	10	37	18.29	19.81	1.52	200.00	4.83	1.37	90	1.00	66	11	FR	MS	8	55	1	4		
															(16.20-16.28) 1500 cps (16.35 16.42) 1200 cps (16.44-16.53) 3000 cps (16.60-16.68) 5000 cps																	19.81	22.86	3.05	250.00	2.27	2.88	94	2.14	70	10	FR	MS	5	35	1	4		
20	FO	40	18.06	30.22		W	GY	FG	Bx		car	m	ser	w	WSEDHs(Py)3-car	1	t	15		Do	m	Ba	f	SLT		60	Do	Hs	Ba	20.00	22.50	2.50	C104155	10	20																		
	FX	40													GY BX w/ car altered SLT clasts. Matrix of Hs-Mg, Do, Ba, Py. Unit has weak to moderate FO 40. HW contact gradual. Hs-Mg is abundant in matrix and FG. Do is FG and as crystals and FX infill. Ba FG in matrix and as FX infill. Py FG in matrix and semi massive locally. FX 40.																	22.50	25.00	2.50	C104156	<10	72	22.86	25.91	3.05	100.00	3.50	2.52	83	1.74	57	13	FR	MS	5	40	2	5		
25																																			25.00	27.50	2.50	C104157	10	128	25.91	28.91	3.00	95.00	0.53	3.00	100	2.92	97	13	FR	MS	4	70	1	4		
																																			27.50	30.22	2.72	C104158	10	164												
																																				28.91	31.70	2.79	115.00	0.38	2.33	84	1.13	41	9	FR	MS	4	50	2	3		
30	C	55	30.22	73.96		W	GNBG	FG	Bx		ser	s	car	f	WSED(Py,Cp)2-ser	2	tr	1		Do	m	Ba	w	SLT		25	Se	Do	Cl	30.22	33.00	2.78	C104159	20	58																		
	FO	30													GY GN BG Bx w/ alb altered slt clasts overprinted by ser and car. Matrix of Se, Do, Cl, Py, He, Ba, w/ trace Cp. Py as xtals in matrix. He as xtals up to 0.2cm. Ba as infill and xcutting VT's. HW contact 55. FO 30. FX 30.																													31.70	34.14	2.44	100.00	0.19	2.08	85	1.27	52	12	SW	W	5	40	1	2		
																																			33.00	36.00	3.00	C104160	10	15												
																																				34.14	35.97	1.83	90.00	0.24	1.62	89	1.00	55	10	SW	W	6	50	2	2		
35																																				35.97	38.10	2.13	85.00	0.07	1.81	85	1.47	69	11	MW	W	6	50	3	3		
																																			36.00	39.00	3.00	C104161	<10	48												

Hole: DDH-I-2006-10 **Section:** _____ **Drilling dates:** July 13-16, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:
40															
45															
50															
55															
60															
65															
70															
															WSEDCp1-
	c	90	73.96	83.75		W	BG	FG	Bx		ser	s	car	m	ser/VNCp(Do,Qz)MA
	FO	30													BG Bx w/ alb altered slt clasts overprinted by ser and car. Matrix of Se and Do. Unit contains FX infill of locally massive Cp w/ Do and Qz up to 5.0cm. Cp not in matrix of unit, only as infill associated w./ Do and Qz. HW contact 90. Weak to moderate FO 30. Do VT's up to 8.0cm xcut unit. Ba VT's occur near bottom of unit up to 1.0cm. Cp veins oriented at 15-30 from core axis. Cp is locally massive.
75															
80															
	c	60	83.75	115.39		W	BG	FG	Bx		ser	s	car	f	WSED(Py)2-ser
	FO	45													BG Bx w/ alb altered SLT clasts overprinted by ser and car. Matrix of Se, Do, Cl, Py. Py occurs as FG FX infill and crystals in matrix. Do FG in matrix as xtals, as FX infill and VT's up to 3.0cm. Ba as xcutting VT's up to 1.0cm. HW contact 60. Unit has weak to moderate FO 45. FX 30.
85															

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
1	5	t		Do	m	Qz	f	SLT		20	Se	Do	
1	t			Do	m	Ba	w	SLT		25	Se	Do	Cl

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)
39.00	42.00	3.00	C104162	<10	1385
42.00	45.00	3.00	C104163	<10	47
45.00	48.00	3.00	C104164	<10	9
48.00	51.00	3.00	C104165	<10	4
51.00	54.00	3.00	C104166	<10	3
54.00	57.00	3.00	C104167	<10	5
57.00	60.00	3.00	C104168	<10	52
60.00	63.00	3.00	C104169	10	40
63.00	66.00	3.00	C104171	<10	4
66.00	69.00	3.00	C104172	<10	5
69.00	72.00	3.00	C104173	<10	21
72.00	73.96	1.96	C104174	<10	65
73.96	76.00	2.04	C104175	10	>10000
76.00	78.00	2.00	C104176	10	813
78.00	80.00	2.00	C104177	10	503
80.00	82.00	2.00	C104178	10	>10000
82.00	83.75	1.75	C104179	10	9950
83.75	86.00	2.25	C104180	<10	1090
86.00	89.00	3.00	C104181	<10	45

Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
38.10	40.23	2.13	80.00	0.39
40.23	42.67	2.44	70.00	0.30
42.67	45.72	3.05	80.00	2.98
45.72	47.24	1.52	75.00	1.56
47.24	49.68	2.44	70.00	0.41
49.68	51.51	1.83	80.00	0.32
51.51	52.73	1.22	75.00	0.30
52.73	54.86	2.13	80.00	0.33
54.86	57.91	3.05	85.00	0.24
57.91	60.96	3.05	80.00	0.20
60.96	64.00	3.04	70.00	0.27
64.00	67.06	3.06	75.00	0.25
67.06	69.95	2.89	70.00	0.27
69.95	70.87	0.92	85.00	0.24
70.87	76.20	5.33	80.00	0.13
76.20	79.25	3.05	90.00	0.54
79.25	82.30	3.05	75.00	0.35
82.30	85.34	3.04	80.00	0.33
85.34	88.39	3.05	75.00	0.69

GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness
1.88	88	1.22	57	11	FR	VW
2.30	94	1.68	69	13	FR	W
2.86	94	2.06	68	12	FR	W
1.36	89	0.57	37	10	FR	W
1.90	78	1.38	57	12	FR	W
1.46	80	1.31	72	12	FR	W
1.20	98	1.10	90	10	FR	W
1.85	87	1.27	60	12	FR	W
2.92	96	2.49	82	12	FR	W
3.05	100	2.14	70	13	FR	W
2.84	93	1.95	64	13	FR	W
3.01	98	3.01	98	14	FR	W
2.65	92	2.38	82	13	FR	W
0.13	14	0.00	0	6	FR	W
4.50	84	4.35	82	13	FR	W
1.70	56	0.68	22	11	FR	W
2.61	86	1.51	50	11	FR	W
2.71	89	1.75	58	11	FR	W
2.68	88	1.70	56	12	FR	W

JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
3	25	3	3		
4	55	1	4		
7	50	2	2		
7	45	3	3		
4	45	1	5		
4	30	3	1		
3	25	1	3		
6	50	1	5		
4	30	5	3		
3	50	5	5		
6	75	1	4		
3	55	1	5		
3	40	4	2		
20	30	5	3		
4	50	5	2		
7	55	5	4		
6	45	3	2		
4	30	2	3		
5	40	2	3		

Hole: DDH-I-2006-10 **Section:** _____ **Drilling dates:** July 13-16, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor
90																														
95																														
100																														
105																														
110																														
115	SH	45	115.39	123.75		W	GYBG	FG	Bx		ser	s	car	m	WSED(Py,Cp)1-ser,car	2	t			Do	m	Qz	w	SLT		20	Se	Do	Ab
	FX	30													GY BG Bx w/ alb altered SLT clasts overprinted by ser and car. Matrix of Se, Do, Ab, Cl, Py. Unit is heavily sheared and tectonically brecciated in areas. Py occurs FG as infill in FX planes as well as sporadic crystals in matrix. Do VT's xcut core at shallw angles (~10). trace Cp found w/ Do and Qz in these shallow xcutting VT's. small euhedral (0.2cm) xtals of Ab in matrix toward bottom of unit. SH 45. FX 30. Do veins w/ Cp 10.																	
120																														
	FO	45	123.75	138.07		W	GYBG	FG	Bx		ser	s	alb	w	WSED(Py)1-ser,alb	1				t	Do	m	Cl	w	SLT		20	Se	Ab	Do
	FX	60													GY BG Bx w/ alb altered SLT clasts partially overprinted by ser. Matrix of Se, Ab, Do, Cl, Py w/ xcutting Do and Ba as FX infill and VT's. Ab xtals in matrix up to 0.3cm. FG Py as FX infill, and euhedral xtals in matrix. FO 45. FX 60.																	
125																														
130																														
135																														
	C	25	138.07	141.16		FLT									FLT															

Depth (m)	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
							88.39	91.44	3.05	80.00	0.46	3.05	100	2.22	73	12	FR	W	4	45	5	2		
90	89.00	92.00	3.00	C104182	<10	27																		
							91.44	95.40	3.96	75.00	1.64	3.54	89	1.62	41	12	FR	W	5	50	1	3		
	92.00	95.00	3.00	C104183	<10	9																		
95	95.00	98.00	3.00	C104184	<10	20	95.40	99.06	3.66	80.00	0.32	3.05	83	1.91	52	11	FR	W	9	50	3	1		
	98.00	101.00	3.00	C104185	<10	6																		
							99.06	102.11	3.05	70.00	0.32	2.94	96	2.67	88	13	FR	W	5	50	5	3		
100																								
	101.00	104.00	3.00	C104186	<10	10																		
							102.11	105.16	3.05	80.00	0.34	2.87	94	2.12	70	13	FR	W	5	35	1	3		
	104.00	107.00	3.00	C104187	<10	11																		
105							105.16	106.68	1.52	70.00	0.28	1.09	72	0.28	18	9	SW	W	6	45	1	3		
							106.68	109.73	3.05	80.00	0.63	2.79	91	0.32	10	14	FR	W	3	50	5	4		
	107.00	110.00	3.00	C104188	<10	11																		
							109.73	112.78	3.05	70.00	0.25	3.00	98	2.10	69	11	FR	W	7	60	2	4		
110	110.00	113.00	3.00	C104189	<10	16																		
	BLANK			C104190	<10	6																		
							112.78	115.82	3.04	80.00	1.24	2.87	94	2.36	78	14	FR	W	5	45	2	2		
	113.00	115.39	2.39	C104191	<10	115																		
115	115.39	118.00	2.61	C104192	20	1980	115.82	118.87	3.05	80.00	0.38	2.86	94	1.47	48	10	FR	W	6	45	2	3		
	118.00	121.00	3.00	C104193	<10	68	118.87	120.70	1.83	65.00	0.60	1.11	61	0.56	31	9	FR	W	8	55	1	5		
120							120.70	122.22	1.52	70.00	0.97	1.10	72	0.71	47	11	FR	W	6	55	2	4		
	121.00	123.75	2.75	C104194	<10	37																		
							122.22	124.97	2.75	65.00	4.67	2.70	98	2.02	73	10	FR	W	5	40	5	3		
	123.75	126.00	2.25	C104195	<10	30																		
							124.97	127.71	2.74	70.00	0.61	2.41	88	1.87	68	12	FR	W	4	50	1	4		
125																								
	126.00	129.00	3.00	C104196	10	183																		
							127.71	129.84	2.13	65.00	0.20	1.96	92	1.50	70	12	FR	W	5	30	1	3		
							129.84	131.67	1.83	60.00	0.27	1.65	90	1.05	57	11	FR	W	4	60	1	2		
130																								
							131.67	132.59	0.92	70.00	0.33	0.88	96	0.70	76	10	FR	W	6	50	2	2		
							132.59	134.42	1.83	80.00	0.20	1.34	73	0.64	35	10	FR	W	8	45	1	4		
							134.42	135.64	1.22	75.00	0.35	0.84	69	0.52	43	11	FR	W	7	50	1	4		
135							135.64	138.07	2.43	70.00	1.28	2.37	98	1.18	49	11	FR	W	4	30	1	4		
							138.07	139.90	1.83	85.00	0.33	0.96	52	0.12	7	5	MW	W	18	50	2	2		

Hole: DDH-I-2006-10 **Section:** **Drilling dates:** July 13-16, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
	SH	45													broken and sheared w/ GO and Cl. HW contact 25.
140															
	C	30	141.16	146.70		W	GY	FG	Bx		alb	ms	ser	m	WSED1-alb,ser
	FO	45													GY Bx w/ alb altered SLT clasts. Matrix of Ab, Se, Do, w trace Py. Euhedral Ab xtals in matrix up to 0.3cm. Do FG in matrix and as FX infill. Py trace as FG FX infill. Unit has weak to moderate FO 45. FX 60. HW contact 30.
145															
	C	30	146.70	147.50		FLT									FLT
															Broken w/ GO and Cl. HW contact appears to be ~30.
	FO	65	147.50	155.45		W	GYBG	FG	Bx		alb	ms	ser	m	WSED1-alb
	FX	55													GY BG Bx w/ alb altered SLT clasts. Matrix of Ab, Se, Do, Cl, Py. Py FG as FX infill. Unit has weak to moderate FO 65. FX 55.
150															
155															EOH 155.45 m

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity
t				Do	f	Cl	w

IGOR PROPERTY

YUKON URANIUM PROJEC

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517404	7214016		170.69

Casing: depth: 14.32 out

Core Size: btw

Logger: Ben Gelber

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:

Contractor: Superior

Hole: DDH-I-2006-11

Section:

Drilling dates: July 17-19, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	224	-60	Brunton
170.69	-	-60	Acid

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
			0.00	13.12		OVB									OVB
5															
10															
	FX	35	13.12	17.00		W	GY	FG	Bx		ser	s	alb	m	WSED(Hs)2-ser,alb GY Bx w/ alb altered SLT clasts. Matrix of Se, Ab, Do, Hs, Ba. Do as xtals in matrix up to 0.5cm and as fx infill and VT's. Hs FG in matrix. Ba as xcutting VT's. trace FG Py in matrix. FX 35.
15															
	C	60	17.00	24.00		W	PKRD	FG	Bx		alb	s	pot	m	WSED(Mg, Ba, Py)2-alb,pot GY RD PK Bx w alb altered SLT clasts. Matrix of Ab, Do, Mg, Ba, Qz, Py, Hs. Ab xtals in matrix up to 0.2cm. Do abundant in matrix as xtals and FX infill. Mg as FG infill and euhedral xtals up to 1.0cm, locally massive. Py FG as Fx infill and xtals in matrix. Ba as Xcutting VT'ss up to 1.0cm and FG in matrix. no apparent FO.
	FX	60													(19.38-19.58)(21.97-22.10) (22.44-22.75) Zones of local pot? Alteration (red/pink alteration). Matrix is Kf, Do, Mg, and Py w/ minor Ba.
20															
	C	60	24.00	37.03		W	GY	FG	Bx		alb	m	car	m	WSEDHs(Py)3-alb,car
	FO	40													DK GY Bx w/ alb altered SLT clasts overprinted by car. Matrix of Ab, Hs, Do, Py, Ba, Cl. Hs FG in matric, locally martite w/ Py replacement in centres of euhedral crystals. Ab FG in matrix. Do FG in matrix and as FX infill and VT's up to 0.5cm. Ba FG in matrix and as FX infill. Py as xtals in matrix up to 0.5cm. unit has weak to moderate FO 40. HW contact 60. FX 55.
25															
30															

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
5														
10														
	t		3		Do	m	Ba	w	SLT		35	Se	Ab	Do
15														
	1		1	7	Do	m	Ba	f	SLT		35	Ab	Do	Ba
20														
	1		15		Do	m	Ba	w	SLT		75	Ab	Do	Ba
25														
30														

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
							0.00	12.19	12.19	70	13.80	1.97	16	0.10	1	4	SW	MS	0	50	1	3		
5																								
10							12.19	13.12	0.93	65	18.00	0.93	100	0.53	57	9	SW	MS	5	50	1	4		
	13.12	15.00	1.88	C104201	<10	27	13.12	15.24	2.12	80	4.23	1.17	55	0.75	35	11	SW	W	7	30	1	2		
15	15.00	17.00	2.00	C104202	<10	10	15.24	18.29	3.05	80	1.35	2.15	70	1.37	45	12	SW	MS	5	55	1	3		
	17.00	19.00	2.00	C104203	<10	7	18.29	21.34	3.05	95	24.40	2.40	79	1.85	61	13	SW	MS	3	60	3	4		
20	19.00	22.00	3.00	C104204	30	43																		
							21.34	22.86	1.52	90	136.00	1.52	100	1.03	68	12	FR	MS	4	60	1	3		
	22.00	24.00	2.00	C104205	30	17	22.86	25.91	3.05	85	24.70	2.52	83	2.34	77	13	FR	MS	3	45	4	3		
	24.00	26.00	2.00	C104206	<10	36																		
25	25.91	27.43	1.52	80	14.80	1.53	101	1.20	79	12	FR	MS	4	30	1	4								
	26.00	29.00	3.00	C104207	10	746																		
	27.43	30.48	3.05	75	0.55	2.78	91	1.97	65	12	SW	MS	3	65	1	4								
30	29.00	32.00	3.00	C104208	10	346																		
	30.48	33.53	3.05	80	0.78	2.97	97	2.00	66	13	SW	S	3	30	3	2								
	32.00	35.00	3.00	C104209	<10	75																		

Hole: DDH-I-2006-11 **Section:** _____ **Drilling dates:** July 17-19, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
															(78.80-79.83) Locally altered zone w/ Cl and martite. HW contact 35.
	c	70	81.60	92.40		W	BG	FG	Bx		ser	s	alb	f	WSED(Py,Cp,He)1-ser

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity
35								
	1	t			Do	f	Cl	w
40								
45								
	1	t			Do	f	Ba	w
50								
55								
60								
65								
70								
75								
80	1	t	1		Do	m	Cl	w

Depth (m)	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
35						
	SLT		15	Se	Do	Cl
40						
45						
	SLT		10	Se	Do	Cl
50						
55						
60						
65						
70						
75						
80	SLT		15	Se	Do	Cl

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)
35	35.00	37.03	2.03	C104210	<10	160
	37.03	40.00	2.97	C104211	<10	107
40	40.00	43.00	3.00	C104212	<10	50
45	43.00	46.00	3.00	C104213	<10	2270
	46.00	48.46	2.46	C104214	<10	387
50	48.46	50.00	1.54	C104215	<10	699
	50.00	53.00	3.00	C104216	<10	16
55	53.00	56.00	3.00	C104217	<10	95
	56.00	59.00	3.00	C104218	<10	18
60	59.00	62.00	3.00	C104219	<10	998
	BLANK			C104220	<10	3
65	62.00	65.00	3.00	C104221	30	125
	65.00	68.00	3.00	C104222	<10	111
70	68.00	71.00	3.00	C104223	<10	1020
	71.00	74.00	3.00	C104224	<10	555
75	74.00	77.00	3.00	C104225	<10	188
80	77.00	80.00	3.00	C104226	<10	65
	80.00	81.60	1.60	C104227	<10	13
	81.60	84.00	2.40	C104228	<10	6

Depth (m)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
	33.53	35.05	1.52	75	0.57	1.51	99	0.51	34	10	SW	W	7	50	2	2		
35																		
	35.05	36.58	1.53	70	0.68	1.94	127	0.00	0	5	FR	W	14	50	5	4		
	36.58	39.01	2.43	65	0.53	0.27	11	1.07	44	11	SW	W	6	75	1	5		
	37.03	40.00	2.97	C104211	<10	107												
	39.01	40.23	1.22	75	0.33	1.00	82	0.81	66	12	FR	W	4	30	3	2		
40	40.23	42.67	2.44	70	0.68	1.89	77	0.20	8	10	SW	W	5	50	4	2		
	42.67	45.42	2.75	75	0.81	2.82	103	1.99	72	10	FR	W	5	50	1	3		
	43.00	46.00	3.00	C104213	<10	2270												
45	45.42	48.46	3.04	-	-	2.72	89	1.14	38	10	SW	W	4	50	2	3		
	46.00	48.46	2.46	C104214	<10	387												
	48.46	50.29	1.83	75	0.55	1.01	55	0.54	30	10	FR	W	6	30	2	2		
50	50.29	51.82	1.53	70	0.20	0.98	64	0.63	41	9	FR	W	8	40	2	2		
	51.82	54.10	2.28	75	0.31	2.08	91	1.24	54	10	FR	W	4	65	1	5		
	53.00	56.00	3.00	C104217	<10	95												
	54.10	55.17	1.07	70	0.16	0.77	72	0.11	10	3	FR	W	15	50	2	3		
55	55.17	57.30	2.13	65	0.43	1.77	83	1.00	47	10	FR	W	4	30	3	3		
	56.00	59.00	3.00	C104218	<10	18												
	57.30	59.74	2.44	60	0.46	1.76	72	1.39	57	11	FR	W	7	45	1	3		
	59.00	62.00	3.00	C104219	<10	998												
	59.74	60.66	0.92	65	0.23	1.04	113	0.64	70	11	FR	W	6	35	4	2		
60	BLANK			C104220	<10	3												
	60.66	62.03	1.37	80	0.32	1.10	80	0.62	45	11	FR	W	4	40	2	1		
	62.00	65.00	3.00	C104221	30	125												
	62.03	64.01	1.98	90	0.23	1.64	83	0.93	47	12	FR	W	4	65	2	2		
	64.01	67.06	3.05	80	0.24	2.74	90	2.08	68	13	FR	W	4	40	3	3		
65	65.00	68.00	3.00	C104222	<10	111												
	67.06	70.10	3.04	75	0.35	2.45	81	1.50	49	12	FR	W	5	35	3	2		
	68.00	71.00	3.00	C104223	<10	1020												
70	70.10	71.63	1.53	80	0.17	1.88	123	1.60	105	13	FR	W	3	50	4	2		
	71.00	74.00	3.00	C104224	<10	555												
	71.63	73.15	1.52	80	0.30	1.32	87	0.83	55	10	FR	W	9	50	3	2		
	73.15	77.72	4.57	65	0.00	3.99	87	2.66	58	12	FR	W	5	50	3	3		
75	74.00	77.00	3.00	C104225	<10	188												
	77.00	80.00	3.00	C104226	<10	65												
	77.72	80.77	3.05	70	1.09	2.96	97	2.23	73	11	FR	W	4	45	1	4		
80	80.00	81.60	1.60	C104227	<10	13												
	80.77	82.30	1.53	75	0.32	1.44	94	1.22	80	12	FR	W	3	40	5	2		
	81.60	84.00	2.40	C104228	<10	6												

Hole: DDH-I-2006-11 **Section:** **Drilling dates:** July 17-19, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
	FO	45													BG GN Bx w/ alb altered SLT clasts partially overprinted by ser. Matrix of Se, Do, Cl, Py, Ab w/ xcutting FX and VT's of Do w/ Qz and minor Cp. Py FG in matrix and as euhedral crystals. moderate to strong FO at 45. HW contact 70. FX 50.																																													
																																84.00	87.00	3.00	C104229	<10	8	82.30	85.34	3.04	70	1.47	2.45	81	1.02	34	10	FR	W	8	40	3	2		
85																																							85.34	88.39	3.05	75	3.37	2.64	87	1.69	55	11	FR	W	9	40	1	3		
																															87.00	90.00	3.00	C104230	<10	14																		
																																					88.39	91.44	3.05	60	0.89	2.77	91	1.12	37	10	FR	W	5	50	1	3		
90																															90.00	92.40	2.40	C104231	<10	1260																		
																																					91.44	94.49	3.05	65	1.34	2.90	95	1.34	44	13	FR	MS	4	50	5	3		
	FO	30	92.40	100.33		W	BG	FG	Bx		alb	s	ser	w	WSED(He,Py,Cp)1-alb	1	t	5		Cl	w	Ba	w	SLT		35	Ab	Do	Se	92.40	95.00	2.60	C104232	<10	439																		
	FX	65													BG GN Bx w/ alb altered SLT clasts partially overprinted by ser. Matrix of Ab, Se, Cl, Do, He, Py, Ba, Cp. He as martite in euhedral xtals up to 0.5cm. Py FG in matrix and as euhedral crystals. Do and Ba as xcutting veinlets up to 1.0cm. Cp associated with Do and Ba VT's. weak to moderate FO locally at 30. FX 65.																																												
																															94.49	96.01	1.52	65	0.92	0.71	47	0.00	0	5	FR	S	0	70	1	3		
95																															95.00	98.00	3.00	C104233	<10	2130																		
																																					96.01	97.54	1.53	80	2.15	1.03	67	0.51	33	10	FR	W	7	50	1	3		
																																					97.54	99.67	2.13	70	8.14	1.99	93	1.61	76	13	FR	W	4	35	2	3		
																															98.00	100.33	2.33	C104234	<10	617																		
																																					99.67	100.89	1.22	65	26.10	0.66	54	0.47	39	10	FR	W	5	50	1	4		
100	FX	55	100.33	106.87		W	GY	CG	Bx		car	ms	ser	m	WSED(Py,Mg,Cp)2-car	5	1		5	Do	m	Ba	f	SLT		35	Ab	Do	Se	100.33	102.50	2.17	C104235	<10	6290	100.89	103.63	2.74	85	27.90	2.65	97	2.05	75	13	FR	W	3	40	1	4		
															GY Bx w/ alb altered SLT clasts. Matrix of Do, Se, Ab, Py, Mg, Cl crosscut by Do and Ba VT's containing Cp and Qz. Py FG in matrix, locally massive. Mg as large coarse euhedral xtals. Gradual HW contact. FX 55.																																											
																															102.50	104.50	2.00	C104236	<10	5110																		
																																					103.63	106.68	3.05	70	22.20	2.55	84	1.45	48	11	FR	W	6	40	3	1		
																															104.50	106.87	2.37	C104237	<10	8130																		
105																																																						
	FO	45	106.87	111.50		W	BGGY	FG	Bx		ser	m	car	f	WSED(Py,Cp,Ba)1-ser	2	tr			Do	s	Ba	m	SLT		15	Se	Do	Ba	106.87	109.00	2.13	C104238	<10	427	106.68	107.74	1.06	65	0.23	0.77	73	0.10	9	9	FR	W	9	40	5	3		
	FX	60													BG GY Bx w/ alb altered SLT clasts overprinted by ser and minor car. Matrix of Se, Do, Py, Cl. Unit is xcut by VT's containing Do, Ba, Cp, and Qz up to 5.0cm. Py increases as FG FX infill towards bottom of unit. Moderate FO 45. FX 60. HW contact gradual.																																												
																																					107.74	109.29	1.55	65	0.18	1.38	89	0.81	52	10	FR	W	6	35	2	1		
																															109.00	111.50	2.50	C104239	20	3820	109.29	112.47	3.18	80	4.23	3.01	95	2.64	83	14	FR	W	3	50	1	5		
110																															BLANK			C104240	<10	15																		
	C	45	111.50	115.22		W	GY	CG	Bx		car	m	ser	w	WSEDPy,Mg(Ba,Cp)2-car	7	1		7	Do	m	Ba	m	SLT		35	Do	Se	Ba	111.50	113.00	1.50	C104241	<10	>10000																		

Hole: DDH-I-2006-11 **Section:** _____ **Drilling dates:** July 17-19, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
	FX	60													Gy Bx w/ car altered SLT clasts. Matrix of Do, Py, Mg, Se, Ba, Cp, Qz. Cross cutting VT's of Do and Ba w/ minor Cp. Py is FG as FX infill and locally massive. Mg in large euhedral xtals near top of unit (up to 1.5cm). Cp FG as FX infill. HW contact 45, Fx 60.																																											
																															113.00	115.22	2.22	C104242	<10	5410	112.47	115.52	3.05	85	22.00	2.85	93	2.00	66	13	FR	MS	3	50	2	3		
	C	40	115.22	116.50		W	BG	FG	Bx		ser	s	car	w	WSED(Py,Ba)1-ser	1				Do	w	Ba	m	SLT		10	Se	Do	Ba																											
115															BG Bx w/ alb altered SLT clasts overprinted by ser and car. Matrix of Se, Do, Cl, Py w/ xcutting VT's of Ba and Do up to 1.0cm. HW contact 40.																							115.22	116.50	1.28	C104243	<10	177	115.52	118.87	3.35	60	27.10	3.15	94	2.32	69	13	FR	MS	3	40	2	3		
			116.50	120.56		W	GY	CG	Bx		car	m	ser	w	WSEDMg(Py,Cp,Ba)2-car	5	2		10	Do	m	Ba	f	SLT		40	Do	Ba	Se																											
															GY Bx w/ alb altered SLT clasts overprinted by car and ser. Matrix of Do, Mg, Py, Se, Ba, Cp, Cl. Xcutting VT's of Ba and Do (to 5.0cm). Euhedral Mg crystals are locally massive and partially altered to martite with He rims. Py and Cpare FG as FX infill.																							116.50	119.00	2.50	C104244	<10	6430																									
															(118.55-119.07) VEN. MA Mg w/ Ba. HW contact 30. FW contact 30.																							118.87	121.92	3.05	75	6.56	2.95	97	2.49	82	13	FR	MS	4	45	2	3		
															(120.18-120.56) VEN. MA Mg w/ Ba. HW contact 55. FW contact 55.																																									
120	C	55	120.56	130.81		W	BG	FG	Bx		ser	s	alb	w	WSED(Py,Cp)1-ser	1	t			Ba	m	Cl	w	SLT		10	Se	Ab	Do																											
	FO	50													BG Bx w/ alb altered SLT clasts overprinted by ser. Matrix of Se, Ab, Ba, Do, Cl, Py w/ xcutting VT's of Ba and Do up to 2.0cm w/ associated Cp. Py abundant near top of unit, decreases towards bottom. HW contact 55. FO in top of unit 50. FX45.																							120.56	122.50	1.94	C104246	10	4320	121.92	124.97	3.05	95	7.19	2.75	90	1.73	57	11	FR	MS	4	40	4	2		
																															122.50	125.50	3.00	C104247	<10	1155																					
																																					124.97	128.02	3.05	80	0.10	2.84	93	1.72	56	13	FR	W	4	30	2	5		
125																															125.50	128.50	3.00	C104248	<10	40																					
																																					128.02	130.61	2.59	110	0.88	2.23	86	0.86	33	10	FR	W	6	60	1	3		
130	C	60	130.81	136.86		W	GY	CG	Bx		car	s			WSEDMg(Py,Cp)3-car	3	t		15	Do	s	Ba	w	SLT		60	Do	Ba	Cl																											
	Fx	45													GY Bx w/ car altered SLT clasts. Matrix of Do, Mg, Ba, Py, Cl w/ xcutting VT's of Do and Ba w/ minor associated Cp. Mg as euhedral xtals up to 1.0cm, Py as xtals in matrix up to 0.3cm. No apparent FO. HW contact 60. FX at 45.																							130.87	133.87	3.00	C104250	<10	3960	130.61	133.65	3.04	95	7.89	2.26	74	0.71	23	12	FR	MS	6	50	2	2		
																															133.87	136.86	2.99	C104251	<10	86	133.65	136.86	3.21	65	20.10	2.87	89	1.91	60	12	FR	MS	6	40	5	4		
135																																																						
	FX	55	136.86	148.55		W	GYBG	FG	Bx		ser	s	car	m	WSED(Ba,Py,He,Cp)2-ser	1	t	1		Do	m	Ba	m	SLT		25	Se	Do	Ba																											

Hole: DDH-I-2006-11 **Section:** **Drilling dates:** July 17-19, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
	FO	65													GY BG Bx w/ alb altered SLT clasts overprinted by ser and car. Matrix of Se, Do, Ba, Cl, Py, w/ trace Cp and He. Xcutting VT's of Do and Ba w/ associated trace Cp. HW contact gradual. Weak FO 65 locally. FX 55.																																												
																															139.50	142.50	3.00	C104253	<10	1050	139.90	142.04	2.14	65	0.38	1.64	77	1.10	51	10	FR	W	7	65	2	3		
140																																																					
															(141.17-141.32) MA martite.																																									
																															142.50	145.50	3.00	C104254	<10	194	142.04	144.78	2.74	65	2.01	2.38	87	1.05	38	9	FR	W	8	30	4	3		
																																					144.78	147.83	3.05	70	0.92	2.70	89	1.49	49	12	FR	W	4	50	5	2		
145																															145.50	148.55	3.05	C104255	<10	175																		
																																				147.83	150.88	3.05	60	10.30	2.72	89	1.58	52	11	FR	MS	6	60	1	3		
	c	30	148.55	152.45		W	GY	CG	Bx		car	m	alb	w	WSEDMg(Py,Ba,Cp)2-car	5	1		7	Do	m	Ba	m	SLT		40	Do	Ba	Se	148.55	150.50	1.95	C104256	<10	4400																		
	FX	70													GY BG Bx w/ car altered SLT clasts. Matrix of Do, Mg, Py, Ba, Ab, Cp, Cl. Xcutting VT's of Do, Ba and Qz w/ associated Cp. Py FG as FX infill. HW contact 30. No apparent FO. FX 70.																																												
150																															150.50	152.45	1.95	C104257	<10	584	150.88	153.92	3.04	80	1.57	2.75	90	1.53	50	11	FR	W	6	35	3	2		
	c	45	152.45	157.50		W	BG	FG	Bx		ser	m	car	m	WSED(Ba,Py,Cp)1-ser	1	t	1		Do	m	Ba	m	SLT		15	Se	Do	Ba	152.45	155.00	2.55	C104258	<10	1185																		
	FO	50													GY BG Bx w/ alb altered SLT clasts overprinted by ser and car. Matrix of Se, Do, Ba, Cl, Py, w/ trace Cp. Xcutting VT's of Ba, Qz and Do with associated FG Cp. Weak FO 50. HW contact 45. FX 60.																																	153.92	156.67	2.75	75	0.35	2.52	92	0.90	33	10	FR	MS	6	50	3	3		
155																															155.00	157.50	2.50	C104259	<10	574																		
																															BLANK			C104260	<10	15	156.67	160.02	3.35	80	0.25	1.39	41	0.52	16	5	MW	VW	15	45	1	3		
	FLT	65	157.50	160.02		FLT									FLT																157.50	160.02	2.52	C104261	<10	269																		
															broken w/ GO and Cl. Contains Py, He and Cp. FLT andge and shearing 65.																																						
160	c	30	160.02	170.69		W	BG	FG	Bx		ser	s	car	m	WSED(Py,Mg)1-ser	1			tr	Do	m	Ba	w	SLT		15	Se	Do	Ba							160.02	163.07	3.05	95	0.47	1.98	65	1.98	65	13	SW	W	4	40	2	3		
	FX	60													BG Bx w/ alb altered SLT clasts onerprinted by ser and car. Matrix of Se, Do, Ba, Py, Cl, Mg. Py as euhedral xtals in matrix up to 0.3cm. Mg as xtals up to 0.2cm. Ba as xcutting VT's. HW contact 30. FX 60. No apparent FO.																																												
																																				163.07	165.51	2.44	90	0.40	1.07	44	1.07	44	12	SW	W	5	30	3	2		
165																																				165.51	167.64	2.13	80	0.45	1.15	54	1.15	54	11	FR	W	6	40	3	4		
																																			167.64	170.69	3.05	70	9.38	2.94	96	2.94	96	13	FR	W	4	40	4	3		
170															EOH 170.69 m																																						

IGOR PROPERTY

YUKON URANIUM PROJEC
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517404	7214016	~1105	181.66

Casing: depth: 8.23 out

Core Size: btw

Logger: Ben Gelber

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:
Contractor: Superior

Hole: DDH-I-2006-12

Section:

Drilling dates: July 19-22, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	359	-50	Brunton
181.66	-	-47.5	Acid

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	7.62		OVB									OVB														
5	FX	35	7.62	9.45		VN	BK	CG	Bx		car	w			VN Mg(Py,Cp,Ba)MA-car	3	1		75	Ba	w	Do	w			90	Ba	Do	Li
															BK MA Mg w/ minor Py and Cp. Matrix of Ba, Do, Li. Mg as crystal much w/ individual crystals up to 1.0cm. Py as crystals to 0.5cm and FG as infill. Cp FG as infill around Mg crystals. Ba FG in matrix. FX 35. No FO.																	
															(8.75-8.95) zone of Cl alteration.														
	C	45	9.45	10.30		W	RDGR	FG	Bx		pot	s	chl	s	WSED(Mg,Ba)3-pot	t	t		3	Cl	m	Do	w			90	Cl	Do	Ba
10	FO	45													RD Bx w/ strong pot alteration. Few visible clasts. Strong chl alteration. Matrix of Kf, Cl, Ba, do, Mg. very weak FO 45.HW contact 45. FX 30. 20cm of Ba w/ euhedral Mg crystals at bottom of unit.															
	C	80?	10.30	11.40		W	PK	FG	Bx		alb	s	car	w	WSED(Mg,Cp)3-alb		t		1	Do	w	Ba	w	SLT		80	Ab	Do	Ba
	FX	45													PK Bx w/ strong alb alteration of SLT clasts and matrix. Matrix of Ab, Do, Ba, Cl, and trace Cp. Mg as FX infill. Ba FG in matrix. HW contact 80? FX 45. No FO.															
	C	45	11.40	15.15		VN	BKWH	CG							VN Mg, Ba(Py,Cp)MA-car	1	1		50	Ba	s	Do	w			90	Ba	Do	Cl
	FL	45													WH Ba w/ Bk subhedral to euhedral Mg. Matrix of Ba, Do, Cl w/ FG Py and Cp. Unit is zoned w/ varied Mg crystal size from 0.2cm to 1.0cm. Flow textures visible 45. Mg locally MA. Do as infill. HW contact 45. FX 45. FL 45.															
15	C	45	15.15	16.76		W	PK	Bx			alb	ms			WSED(Mg,Py,Cp)2-alb	t	t		2	Ba	f	Se	w	SLT					
	FO	45													Pk Bx w/ alb altered SLT clasts and matrix of Ab, Ba, Do, Mg, Se, Cl, Py, Cp. Py and Cp as FG FX infill. Mg as euhedral crystals up to 0.5cm. Ba and Qz as FX infill. Unit has weak fabric. HW contact 45. FX 45. FO 45.															
	FX	45	16.76	18.00		VN	BK	CG							VN Mg(Py,Cp)MA	3	t		90	Ba	w	Do	w	SLT		98	Ba	Do	Li
															MA Mg w/ Py and trace Cp. Minor Ba, Do, Li in matrix. Top of unit is very broken w/ abundant Li (possible small fault). FX 45. No apparent FO.															
	FX	55	18.00	23.35		W	PKGN	CG	Bx		alb	m	chl	w	WSEDMg(Ba,Py,Cp)2-alb	2	1		20	Ba	m	Cl	f	SLT		50	Ab	Ba	Cl

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
								0.00	7.62	7.62	70	177.00													
	7.62	9.45	1.83	C107451	10	639		7.62	10.67	3.05	105	235.00													
	9.45	10.30	0.85	C107452	140	120																			
	10.30	11.40	1.10	C107453	10	46		10.67	13.72	3.05	80	333.00													
	11.40	13.50	2.10	C107454	<10	749																			
	13.50	15.15	1.65	C107455	10	423		13.72	16.76	3.04	70	432.00													
	15.15	16.76	1.61	C107456	10	559																			
	16.76	18.00	1.24	C107457	10	33		16.76	18.29	1.53	75	324.00													
	18.00	21.00	3.00	C107458	10	246		18.29	20.42	2.13	70	14.00													

Hole: DDH-I-2006-12 **Section:** _____ **Drilling dates:** July 19-22, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
	FO	45													GY PK GN Bx w/ alb altered SLT clasts and matrix. Weak chl alteration of matrix. Matrix of Ab, Ba, Mg, Cl, Py, Cp. Mg locally MA as subhedral to euhedral crystals up to 0.5cm. Cp and Py FG in matrix. Unit is quite broken in places. Not clear if it is due to faulting or drilling. FX 55. Weak FO
20															locally 45.
	C	30	23.35	24.25		FLT									FLT
															FLT w/ Go and Li. HW contact 30
25	C	40	24.25	31.60		VN	BKWH	MA			fec	w			VN Mg(Ba,Py,Cp)MA-fec
	FX	35													MA Mg w/ Ba, Py, Cp, and Si, Ak, Cl. Py and Cp interstitial w/ Ba. Si and Ak as FX infill and VT's up to 0.5cm. HW contact 40. FX 35. No apparent FO.
															(26.20-26.91) Ba w/ Mg, Ak, Si, Py, Cp. HW contact 20.
30															
	C	80	31.60	33.63		W	PKGY	FG	Bx		alb	s	fec	w	WSED(Mg,Py,Cp)2-alb
	FX	45													PK GY Bx w/ alb altered SLT clasts and matrix. Matrix of AB, Ba, Mg, Ak, Si, Cl. Mg as FG infill and subhedral crystals up to 0.5cm. Py as infill and Subhedral crystals 0.5cm. Cp as FX infill w/ Ak. No apparent FO. HW contact 80. FX 45
	C	55	33.63	63.00		VN	BKWH	MA			fec	m			VN Mg(Py,Cp,Ba)MA-fec
	FX	55													MA Mg w/ Ba, Py, Cp, and Si, Ak, Cl. Py and Cp interstitial w/ Ba. Ak as FX infill and VT's up to 0.5cm associated w/ FG Cp. HW contact 55. FX 55. No apparent FO.
35															
40															
45															
50															
55															
															(56.47-57.30) Zone of intense chl alteration.
															(58.30-59.10) Zone of intense chl alteration.

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
5	3		80	Ba	s	Si	m			95	Ba	Si	Ak
2	1		7	Ba	m	Sk	m	SLT		30	Ab	Ba	Ak

Hole: DDH-I-2006-12 **Section:** _____ **Drilling dates:** July 19-22, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
60															(60.00-61.06) Zone of intense chl alteration.
	FX	55	63.00	80.80		W	GY	FG	Bx		ser	m	car	f	WSED(Mg,Py)-ser
	VT	60													GY Bx w/ alb altered SLT clasts overprinted by ser. Matrix of Se, Cl, Ak, Do, Py, Ba. Ak and Do as xcutting VT's and FX infill. Py and Mg as subhedral xtals in matrix. Unit is quite broken and blocky. Cl alteration near HW of unit. Qz and Si in VT's Near HW. HW contact gradual. FX 55. VT 60.
65															
70															
75															
															(78.00) 500 cps
															(79.00) 1200 cps
80	C	65	80.80	83.82		W	RDGN	FG	Bx		pot	m	chl	f	WSED(Py,Mg,Cp)1-pot,chl
	FX	70													RD GY GN Bx w/ pot altered SLT clasts. Matrix of Kf, Cl, Ak, Do, Py, Mg, Cp, Pb, Qz. Matrix altered by pot and overprinted by chl. Intense chl alteration in top and bottom 30cm of section. Mg in matrix as euhedral to subhedral crystals up to 1.0cm. Py and Cp FG as FX infill w/ Qz. Pb over 50 cm as infill.HW contact 65. FX 70.
															(81.10) 6000 cps (81.15) 3000 cps (81.30) 5000 cps (81.40) 5000 cps (82.80) 1000 cps (83.00) 1200 cps
	C	30	83.82	88.79		VN	GY	CG			car	w	alb	w	VN Py(Mg,Cp)MA-car
	Fx	60													MA FG Py w/ Mg and minor Cp. FG Do in matrix w/ minor Ab and Cl. Mg FG and as subhedral to euhedral crystals up to 1.0cm. HW contact 30. FX 60.
85															
	FX	70	88.79	93.78		W	PKGY	CG	Bx		alb	m	car	f	WSEDPy,Mg(Cp)2-alb,car
	FO	30													PK GY Bx w/ alb altered SLT clasts. Matrix of Py, Mg, Do, Se, Ab, Cl, Cp. Py as FG FX infill. Mg FG to CG as infill and as crystals up to 0.5cm. Gradual HW contact. Weak FO 30 locally. FX at 70.
90															
	FX	65	93.78	104.80		W	GY	FG	Bx		car	s	ser	m	WSED(Mg,Py)2-car

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
60														
	1			2	Ak	m	Ba	w	SLT		20	Se	Cl	Ak
65														
70														
75														
80	5	3		5	Ak	f	Do	f	SLT		15	Cl	Ak	Do
	70			10	Do	m	Cl	w			90	Do	Ab	Ba
85														
	15	1		15	Do	m	Cl	w	SLT		40	Do	Se	Ab
90														
	t			3	Do	s	Ba	w	SLT		25	Do	Se	Ba

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
60	60.00	63.00	3.00	C107475	<10	83	60.66	63.40	2.74	90	307.00	2.48	91	2.04	74	10	FR	MS	5	70	1	1	Li	
	63.00	66.00	3.00	C107476	<10	84	63.40	65.53	2.13	80	13.40	2.50	117	1.08	51	8	FR	MS	9	50	1	1	Li	
65							65.53	68.58	3.05	70	1.55	3.07	101	1.85	61	9	FR	MS	9	60	1	1	Li	
	66.00	69.00	3.00	C107477	<10	28																		
							68.58	70.10	1.52	85	4.07	1.57	103	0.58	38	9	FR	MS	12	70	1	1	Li	
	69.00	72.00	3.00	C107478	<10	59																		
70							70.10	71.63	1.53	70	14.70	1.41	92	0.57	37	9	FR	MS	10	70	1	1	Li	
							71.63	73.15	1.52	70	16.20	1.59	105	0.81	53	9	FR	MS	10	40	1	1	Li	
	72.00	75.00	3.00	C107479	<10	61																		
							73.15	74.68	1.53	130	9.92	1.58	103	0.17	11	7	FR	MS	12	50	1	1	Li	
							74.68	79.25	4.57	500	3.35	4.70	103	3.89	85	13	FR	MS	5	80	1	1	Li	
75	75.00	78.00	3.00	C107480	<10	25																		
	78.00	80.80	2.80	C107481	<10	84																		
							79.25	82.29	3.04	750	7.27	3.10	102	2.14	70	8	FR	MS	8	70	1	1	Li	
80	80.80	83.82	3.02	C107482	2310	>10000																		
							82.29	85.34	3.05	1100	37.90	3.07	101	2.13	70	10	FR	MS	8	60	1	1	Li	
	83.82	86.50	2.68	C107483	10	2570																		
85							85.34	88.39	3.05	95	97.60	3.07	101	2.45	80	12	FR	MS	6	60	1	1	Li	
	86.50	88.79	2.29	C107484	<10	2190																		
	88.79	91.00	2.21	C107485	30	>10000	88.39	91.44	3.05	85	147.00	3.00	98	2.44	80	13	FR	MS	5	75	1	1	Li	
90																								
	91.00	93.78	2.78	C107486	<10	1600	91.44	95.55	4.11	80	12.90	2.98	73	2.72	66	14	FR	MS	4	60	1	1	Li	
	93.78	96.50	2.72	C107487	<10	382																		

Hole: DDH-I-2006-12 **Section:** **Drilling dates:** July 19-22, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
															GY Bx w/ alb altered SLT clastsoverprinted by car and minor ser alteration. Matrix of Do, Se, Mg, Ba, Cl. Mg in matrix as subhedral to euhedral crystals 0.2cm. HW contact gradual. No apparent FO. FX 65.																																													
95																																					94.49	95.55	1.06	70	10.20	1.33	125	1.33	125	14	FR	MS	3	70	1	1	Li	
																																					95.55	98.75	3.20	65	21.50	3.13	98	2.45	77	12	FR	MS	8	60	1	1	Li	
																															96.50	99.50	3.00	C107488	<10	200																				
																																					98.75	101.80	3.05	70	10.50	3.04	100	2.73	90	13	FR	MS	3	60	1	1	Li	
																															99.50	102.50	3.00	C107489	<10	22																				
100																																					101.80	104.85	3.05	60	35.60	3.06	100	3.01	99	13	FR	MS	4	60	1	1	Cb	
																															102.50	104.80	2.30	C107490	<10	68																				
																															BLANK			C107491	<10	12																				
	C	55	104.80	109.84		W	BKWH	CG	Bx		car	m			WSEDMg,Ba(Py)3-car	1	tr		30	Ba	i	Do	f			90	Ba	Do	Cl	104.80	107.20	2.40	C107492	<10	96	104.85	108.05	3.20	60	331.00	3.16	99	3.16	99	15	FR	MS	2	90	1	1	Cb	
	FX	60													WH Ba matrix w/ BK euhedral Mg xtals. Matrix contains minor Do, Cl, Py. Py in xtals up to 0.4cm. No apparent FO. HW contact 55. FX 60. Cl in matrix increases toward bottom of unit.																																												
105																																																							
																															107.20	109.84	2.64	C107493	<10	528																				
																																					108.05	110.03	1.98	60	139.00	1.96	99	1.72	87	13	FR	MS	5	80	1	1	Cb	
	FX	80	109.84	111.00		VN	BKGN	CG	Bx		chl	i			VN Mg(Cp)-chl		tr		40	Ba	w	Do	w			90	Cl	Ba	Do	109.84	111.00	1.16	C107494	<10	6280																				
	VT	10													GN Cl matrix w/ BK Mg xtals. Matrix dominated by Cl w/ minor Ba, Do and Cp. Gradual HW contact. Xcutting VT's ok Ak, Si and Qz at 10. FX at 80.																																												
110																																					110.03	112.17	2.14	70	116.00	2.19	102	1.03	48	7	FR	MS	8	80	1	1	Cb	
	FX	50	111.00	113.90		VN	BK	CG	Bx		chl	f	fec	w	VN Mg(Py, Cp)MA-chl	3	1		80	Ba	f	Ak	w			90	Cl	Ba	Ak	111.00	113.90	2.90	C107495	<10	1040																				
	VT	5													MA Mg w/ matrix of Cl, Ba, Ak, Py, Cp. Xcutting VT's of Qz, Ak, w/ associated Cp at 5. HW contact gradual, FX 50.																																												
																																				112.17	115.21	3.04	65	146.00	2.97	98	2.63	87	12	FR	MS	5	60	1	1	Cb	
	C	35	113.90	120.23		W	GY	FG	Bx		car	m	chl	m	WSED(Hs)1-car			1		Ak	w	Ba	w	SLT		15	Do	Cl	Se	113.90	116.00	2.10	C107496	<10	278																				
	FO	45													Gy Bx w/ alb altered SLT clasts overprinted by car. Matrix of Cl, Do , Se, Ba, Ak, Hs. Ak and Do as FX infill and VT's up to 0.5cm. Cl very abundant in matrix near top and bottom of unit, Do dominant in middle. HW contact 35. FX 45. Weak FO 45.																																													
115																																					115.21	118.26	3.05	80	1.32	3.04	100	2.17	71	9	FR	MS	8	80	1	1	Cb	
																															116.00	118.00	2.00	C107497	<10	35																				
																															118.00	120.23	2.23	C107498	<10	15	118.26	120.70	2.44	65	3.61	2.50	102	1.59	65	9	FR	MS	9	50	1	1	Li	
120	C	60	120.23	122.48		W	GN	FG	Bx		chl	i			WSED(Mg,Py)3-chl	2			10	Ak	w	Qz	w	SLT		85	Cl	Do	Se	120.23	122.48	2.25	C107499	<10	49	120.70	123.14	2.44	55	35.80	2.62	107	1.61	66	7	FR	MS	13	60	1	1	Cb	
	FX	45													GN Bx w/ alb altered SLT clasts in matrix of Cl, Mg, Do, Se. FX infill and VT's of Ak and QZ. HW contact 60. FX 45. No apparent FO.																																												
	C	45	122.48	123.68		VN	BKWH	CG			chl	w			VN Mg(Ba,Py,Cp)MA-chl	3	t		80	Ba	f	Cl	w			90	Ba	Cl	Do	122.48	123.68	1.20	C107500	<10	502																				
	FX	45													MA Mg w/ interstitial WH Ba. Moderate Cl alteration. Xcutting VT's of Do. HW contact 45. FX 45.																																												
																															123.68	126.50	2.82	C107501	10	435	123.14	126.49	3.35	60	81.40	3.13	93	2.75	82	11	FR	MS	8	50	1	1	Cb	
	FX	45	123.68	129.65		VN	WHBK	CG			car	m	chl	w	VN Mg,Ba(Py,Cp)-car	3	1		50	Ba	s	Do	m			90	Ba	Do	Cl																														
	FO	45													Bk euhedral Mg in Ba matrix w/ minor Do and Cl. VT's of Do xcutting. Flow textures 45. Gradual HW contact. FX 45.																																												
125																																																							
																															126.50	129.65	3.15	C107502	20	1810	126.49	129.54	3.05	55	8.95	2.93	96	2.70	89	12	FR	MS	5	70	1	1	Li	

Hole: DDH-I-2006-12 **Section:** _____ **Drilling dates:** July 19-22, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
130	C	30	129.65	132.29		VN	GYGO	FG			car	w			VN Py(Mg,Ba,Cp)MA-car	75	2		10	Ba	s	Ak	w			90	Ba	Do	Ak
	FO	30													MA FG Py w/ minor Ba, Mg, Cp, Do. Xcutting VT's of Ak. HW contact 30. Appears to have fabric at 30.															
	C	30	132.29	181.66		W	GY	FG	Bx		ser	s	car	w	WSED(Hs,Py)2-ser	t		3		Ba	w	Do	w	SLT		30	Se	Do	Cl
	FO	10													GY Bx w/ alb altered SLT clasts heavily overprinted by ser. Matrix of Se, Do, Cl, Hs, Py, Ba. Xcutting VT's of Ba, Ak, and Do. Strong chl alteration near top of unit. Unit has moderate fabric 10. HW contact 30.															
135																													
140																													
145																													
150																													
155																													
160																													
165																													
170																													
175																													
180															EOH 181.66 m														

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
130	129.65	132.29	2.64	C107503	10	>10000	129.54	132.59	3.05	70	19.20	3.00	98	2.88	94	13	FR	MS	4	80	1	1	Li	
	132.29	135.00	2.71	C107504	<10	269	132.59	135.63	3.04	75	5.86	3.03	100	2.61	86	11	FR	MS	7	60	1	1	Li	
135	135.00	138.00	3.00	C107505	<10	54	135.63	138.68	3.05	70	3.36	3.17	104	2.85	93	12	FR	MS	4	80	1	1	Cb	
							138.68	141.73	3.05	70	3.77	3.07	101	3.07	101	14	FR	MS	2	80	1	1	Li	
140																								
							141.73	144.74	3.01	85	0.44	3.12	104	3.05	101	13	FR	MS	3	90	1	1	Li	
145							144.74	147.83	3.09	80	0.44	2.81	91	2.74	89	13	FR	MS	5	70	1	1	Cb	
							147.83	152.40	4.57	70	0.49	4.70	103	3.99	87	12	FR	MS	5	25	1	1	Cb	
150																								
							152.40	153.92	1.52	80	0.89	1.50	99	0.94	62	10	FR	MS	7	20	1	1	Cb	
							153.92	156.97	3.05	70	0.66	3.06	100	2.23	73	10	FR	MS	5	45	1	1	Cb	
155																								
							156.97	160.02	3.05	60	0.32	2.80	92	2.68	88	11	FR	MS	4	40	1	1	Cb	
160							160.02	163.07	3.05	80	0.26	2.97	97	0.84	28	7	FR	MS	8	70	1	1	Cb	
							163.07	166.12	3.05	75	0.40	3.10	102	2.20	72	9	FR	MS	7	80	1	1	Cb	
165																								
							166.07	169.16	3.09	80	0.36	3.10	100	2.75	89	12	FR	MS	5	70	1	1	Cb	
							169.16	172.21	3.05	75	0.54	3.14	103	2.61	86	13	FR	MS	5	60	1	1	Cb	
170																								
							172.21	175.26	3.05	70	0.24	3.00	98	2.75	90	14	FR	MS	3	60	1	1	Cb	
175							175.26	178.13	2.87	75	0.32	2.89	101	2.17	76	12	FR	MS	6	50	1	1	Cb	
							178.13	180.44	2.31	80	0.46	2.11	91	1.44	62	10	FR	MS	4	50	1	1	Cb	
180							180.44	181.66	1.22	60	0.17	1.15	94	0.15	12	7	FR	MS	10	70	1	1	Cb	

IGOR PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517400	7214143		123.44

Casing: depth: 13.72 m out

Core Size: btw

Logger: Ben Gelber

Scintillometer Saphymo Stel SPP_2_NF # 287

SURVEY

Depth	Azi.	Dip	Method
Collar	180	-50	Brunton
123.44	-	-46	Acid

Comments:

Contractor: Superior

Hole: DDH-I-2006-13

Section:

Drilling dates: July 22-24, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
			0.00	16.76		OVB									OVB																					0.00	13.72	13.72	75	0.04	0.68	5	0.00	0	4	SW	MS	-	-	-	-	-	-
																																			13.72	16.76	3.04	80	0.07	1.09	36	0.11	4	5	SW	MS	-	50	-	-	-	
	FO	45	16.76	28.00		W	BG	FG	Bx		ser	i	car	m	WSED2-ser					Ak	m	Li	w	SLT		25	Se	Ak		16.76	19.50	2.74	C107551	<10	6	16.76	18.29	1.53	80	0.09	1.16	76	0.27	18	6	FR	MS	10	80	3	3	Li	
	FX	90													BG Bx w/ alb altered SLT clasts slightly overprinted by Ak. Matrix of Se and Ak. Ak as crosscutting VT's up to 0.5cm and FX infill. Unit is very fractured and broken up to 22.75m w/ Go and Se. Moderate FO at 45. FX at 90.																					18.29	20.42	2.13	75	0.24	1.00	47	0.12	6	3	FR	MS	8	40	3	4	Li	
																														19.50	22.50	3.00	C107552	<10	244																		
																														20.42	24.38	3.96	80	0.13	2.42	61	0.89	22	7	FR	MS	12	40	3	4	Li	
																														22.50	25.50	3.00	C107553	<10	21																		
																																			24.38	25.91	1.53	80	0.28	1.18	77	0.64	42	9	FR	MS	11	70	3	4	Li	
																														25.50	28.00	2.50	C107554	<10	14	25.91	27.74	1.83	75	0.52	1.95	107	1.66	91	13	FR	MS	5	60	5	5	Li	
																																			27.74	29.87	2.13	80	0.34	2.03	95	1.52	71	12	FR	MS	7	70	5	4	Li	
	SH	45	28.00	32.60		W	BG	FG	Bx		car	s	ser	m	WSED(Py)1-car	2				Ak				SLT		20	Ak	Se		28.00	30.30	2.30	C107555	<10	59																		
	FO	45													BG Bx w/ alb altere SLT clasts overprinted by Ak. Matrix of Ak, Se, Py. Unit is tectonically brecciated in places and strongly sheared. Py in FG in shears and FX as infill. SH 45. FO 45, FX 80.																					29.87	33.22	3.35	75	0.48	3.01	90	2.72	81	13	FR	MS	5	75	5	4	Li	
																														30.20	32.60	2.40	C107556	20	30																		
	C	75	32.60	54.40		W	BG	FG	Bx		ser	s	car	m	WSED1-ser	t				Ak	m	Cl	w	SLT		20	Se	Ak	Cl	32.60	35.50	2.90	C107557	10	20																		
															BG Bx w/ alb altered clasts weakly overprinted by ser and Ak. Matrix of Se, Ak, Cl w/ Si as Fx infill and VT's up to 1.0cm. Weak FO 60. Hw Contact 75. FX 80.																					33.22	36.27	3.05	80	0.29	3.04	100	2.63	86	14	FR	MS	4	80	3	4	Cb	
																														35.50	38.50	3.00	C107558	<10	39																		
																																			36.27	38.04	1.77	70	0.42	1.70	96	1.29	73	13	FR	MS	7	70	3	5	Li	
																														38.50	41.50	3.00	C107559	<10	48	38.04	41.15	3.11	70	0.75	2.46	79	1.37	44	11	FR	MS	8	70	5	4	Li	

Hole: DDH-I-2006-13 **Section:** **Drilling dates:** July 22-24, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
40															
45															
50															
	C	25	54.40	62.03		W	GYPK	FG	Bx		alb	s	car	m	WSED(Py,Mg)1-alb,car
55	FX	65													GY PK Bx w/ alb altered SLT clasts. Matrix of Do, Se, Ak, Cl, Py, Mg, Ab. Py as FG FX infill and xtals in matrix. Up to 0.3cm. Mg as small xtals inmatrix (0.1cm). No apparent FO. FX 65. HW contact 25.
60															
	C	45	62.03	64.03		VN	BK	CG			car	f			VN Mg(Py,Cp,Ba)MA-car
	FX	60													MA Mg as CG xtal mush w/ interstitial Ba, Do, Py, Cp, Cl. HW contact 45. FX 60. No apparent FO.
	C	80	64.03	68.68		W	GYPK	FG	Bx		alb	s	car	m	WSEDMg(Py)2-alb,car
65	FO	45													GY PK Bx w/ alb altered SLT clast partially overprinted by car. Matrix of Do, Se, Ab, Cl, Mg, Py. Ab dominates top of unit giving way to car and Se toward bottom of unit. Mg as subhedral to euhedral xtals in matrix up to 0.2cm. Py as xtals in matrix up to 0.4cm. Bo both FG as FX and as xtals in matrix. HW contact 80. weak FO 45. FX 55.
															(64.40-64.59) VN of MA Mg w/ minor Py. HW and FW contact 55.
	FX	45	68.68	75.08		W	GY	FG	Bx		ser	s	car	f	WSED(Mg)2-ser,car
															GY Bx w/ slt clasts partially overprinted by car. Matrix of Se, Do, Cl, Mg. Mg as subhedral to euhedral crystals up to 0.3cm. Trace Py in matrix as xtals up to 0.3cm. Gradual HW contact. FX 45. No FO.
70															

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
40														
45														
50														
	2			t	Do	m	Ak	m	SLT		15	Do	Se	Cl
55														
60														
	3	1		75	Do	w	Cl	w			90	Ba	Do	Cl
	1			3	Se	s	Cl	w	SLT		25	Do	Se	Ab
65														
	t			3	Se	s	Do	w	SLT		25	Se	Do	Cl
70														

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
40																								
	41.50	44.50	3.00	C107560	<10	97	41.15	45.72	4.57	85	0.57	4.29	94	3.64	80	13	FR	MS	6	60	3	4	Li	
	44.5	47.5	3.00	C107561	<10	26																		
45							45.72	47.77	2.05	70	0.54	2.79	136	2.05	100	14	FR	MS	10	55	5	5	Li	
	47.50	50.50	3.00	C107562	<10	34	47.77	51.82	4.05	75	0.19	2.49	61	1.55	38	10	FR	MS	8	80	5	4	Li	
50	50.50	53.00	2.50	C107563	<10	268																		
							51.82	54.86	3.04	75	61.10	2.41	79	1.64	54	10	FR	MS	9	45	3	4	Li	
	53.00	54.40	1.40	C107564	<10	62																		
	54.40	57.00	2.60	C107565	10	530	54.86	57.91	3.05	65	1.18	2.77	91	2.03	67	12	FR	MS	7	60	3	3	Pb	
55																								
	57.00	59.50	2.50	C107566	<10	142	57.91	60.96	3.05	70	15.30	2.98	98	2.59	85	13	FR	MS	5	70	5	4	Li	
	59.50	62.03	2.53	C107567	<10	98																		
60							60.96	64.01	3.05	80	205.00	2.85	93	2.03	67	12	FR	MS	8	60	3	4	He	
	62.03	64.03	2.00	C107568	<10	425																		
	64.03	66.30	2.27	C107569	<10	27	64.01	67.05	3.04	65	142.00	2.85	94	2.22	73	12	FR	MS	8	55	3	4	Li	
65																								
	66.30	68.68	2.38	C107570	<10	22																		
	BLANK			C107571	<10	6	67.05	70.10	3.05	70	27.30	2.86	94	2.58	85	14	FR	MS	5	50	3	4	Li	
	68.68	71.00	2.32	C107572	<10	22																		
70							70.10	73.15	3.05	80	27.30	2.92	96	2.09	69	14	FR	MS	7	45	5	5	Li	
	71.00	73.00	2.00	C107573	10	8																		
	73.00	75.08	2.08	C107574	<10	4	73.15	76.20	3.05	70	14.90	2.50	82	1.87	61	12	FR	MS	6	45	5	5	Li	

Hole: DDH-I-2006-13 **Section:** **Drilling dates:** July 22-24, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
75	FX	40	75.08	77.97		W	PKGY	FG	Bx		alb	s	car	w	WSED(Mg)1-alb	t			3	Do	f	Ba	w	SLT		15	Do	Cl	Ab
	FO	30													PK GY Bx w/ alb altered SLT clasts. Matrix of Do, Cl, Ab, Mg w/ trace Py and Ba. Do FG in matrix and as FX infill. Mg and Py as xtals in matrix and clasts. HW contact gradual. FX 40. Weak FO 30.																	
	C	80	77.97	80.38		VN	BKWH	CG			chl	m	fec	w	VN Mg,Ba(Py,Cp)-chl,fec	2	1		60	Ba	s	Ak	w			90	Ba	Cl	Ak
	FX	45													BK subhedral to euhedral Mg xtals in WH Ba matrix w/ Cl, Ak, Si, Py, Cp. Mg locally massive. HW contact 80. No FO. FX 45.																	
80	C	45	80.38	90.22		W	GY	FG	Bx		ser	s	car	w	WSED(Mg)2-ser	t			3	Do	f	Ba	w	SLT		40	Se	Do	Ci
	FX	65													GY Bx w/ alb altered SLT clasts weakly overprinted by car. Matrix of Se, Do, Cl, Mg w/ trace Py. Ba as xcutting VT's up to 10.cm. Mg in matrix as small subhedral to euhedral xtals up to 0.3cm. HW contact 45. FX at 65. No apparent FO.																	
85																													
90	FX	55	90.22	93.64		W	PKGY	FG	Bx		alb	s	car	w	WSED(Mg,Py,Cp)1-alb	1	1		3	Do	m	Cl	w	SLT		15	Ab	Do	Ak
	FO	70													PK GY Bx w/ alb alteration of SLT clasts and matrix of Ab, Do, Ak, Cl, Mg, Py, Cp. Mg as small euhedral xtals in matrix and clasts and as FG FX infill. Py as euhedral xtals inmatrix u to 0.5cm. Cp as Fx infill w/ Do, Ak, and Qz in VT's up t 1.0cm. HW contact gradual. FX 55. weak FO 70.																	
	C	65	93.64	93.77		VN	GYGO	FG							VN Py(Mg)MA	95			3										
95	C	70	93.77	94.75		VN	WHBK	CG			fec	w	chl	w	MA FG Py w/ euhedral xtals of MG. HW contact 65. VN Mg,Ba(Py)-fec	1			60	Si	w	Cl	w			90	Ba	Si	Cl
															BK subhedral to euhedral Mg in WH Ba w/ Si, Cl, and trace Py. HW contact 70. FX 50. No FO.																	
	C	65	94.75	96.30		W	PKGY	CG	Bx		alb	m	car	w	WSEDBa(Mg,Py,Cp)2-alb	3	3		7	Ba	s	Qz	m	SLT		45	Ba	Ab	Do
	FX	65													PK GY Bx w/ alb altered SLT clasts. Matrix of Ba, Ab, Do, Mg, Py, Cp. Mg as FG FX infill and lasge euhedral xtals in matrix up to 1.0cm. Py FG in matrix and as FX infill. CP as FX infill and associated w/ Ba, Do and Qz in VT's up to 1.0cm. HW contact 65. FX 65. no FO.																	
	C	65	96.30	100.41		W	GY	CG	Bx		car	m	alb	m	WSEDMg,Ba(Py,Cp)3-car	5	1		25	Ba	s	Do	f	SLT		65	Ba	Do	Ab

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
75	75.08	77.97	2.89	C107575	<10	7																		
							76.20	77.42	1.22	65	8.84	1.20	98	1.06	87	12	FR	MS	10	45	5	4	Li	
	77.97	80.38	2.41	C107576	10	578	77.42	79.25	1.83	70	73.90	1.65	90	1.50	82	14	FR	MS	5	60	3	4	Li	
							79.25	80.27	1.02	65	68.70	1.48	145	1.35	132	13	FR	MS	8	75	3	4	He	
80	80.38	83.00	2.62	C107577	<10	32	80.27	83.82	3.55			3.11	88	2.80	79	13	FR	MS	8	75	3	4	He?	
	83.00	85.50	2.50	C107578	<10	13	83.82	86.87	3.05	65	90.80	3.04	100	2.50	82	13	FR	MS	5	40	3	4	-	
85	85.50	88.50	3.00	C107579	<10	164																		
							86.87	89.46	2.59	70	30.30	2.30	89	1.70	66	12	FR	MS	6	45	3	4	-	
	88.50	90.22	1.72	C107580	<10	210																		
							89.46	92.96	3.50	60	36.80	3.27	93	2.55	73	14	FR	MS	5	50	3	4	Li	
90	90.22	92.00	1.78	C107581	<10	669																		
	92.00	93.77	1.77	C107582	<10	3340	92.96	96.01	3.05	70	112.00	3.05	100	2.46	81	14	FR	MS	4	60	3	4	Li	
	93.77	94.75	0.98	C107583	10	201																		
	94.75	96.30	1.55	C107584	10	>10000																		
							96.01	99.06	3.05	75	138.00	2.84	93	2.60	85	14	FR	MS	4	55	3	3	-	
	96.30	98.50	2.20	C107585	<10	9220																		
	98.50	100.41	1.91	C107586	<10	591	99.06	102.11	3.05	60	91.30	3.05	100	2.78	91	14	FR	MS	4	45	3	3	Cb	

Hole: DDH-I-2006-13 **Section:** **Drilling dates:** July 22-24, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
100	Fx	55													Gy Bx w/ alb altered SLT clasts. Matrix of Ba, Mg, Do, Ab, Py, Cp, Cl, Ak. Mg as subhedral to euhedral xtals up to 1.0cm. Py FG as FX infill. Cp as FX infill. HW contact 65. FX55. No FO.														
	FX	40	100.41	123.44		W	GY	FG	Bx		ser	s	car	m	WSED(Hs,Cp)1-ser		t	1		Do	m	Ba	f	SLT		20	Se	Do	Cl
															Gy Bx w/ alb altered SLT clasts. Matrix of Se, Do, Cl, Hs. Frequent xcutting VT's of Do containing tabular Ba and trace Cp. VT's up to 10.0cm. Unit also xcut by Ak VT's. Hs FG in matrix. HW contact irregular. FX at 40. No FO.														
105																													
110																													
115																													
120																													
															EOH 123.44 m														

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
100	100.41	103.00	2.59	C107587	<10	359																		
	BLANK			C107588	<10	13																		
							102.11	103.16	1.05	60	24.60	3.02	288	2.90	276	14	FR	MS	3	45	3	3	Cb	
	103.00	106.00	3.00	C107589	<10	44	103.16	108.20	5.04	60	41.40	2.91	58	2.85	57	14	FR	MS	4	70	3	4	Cb	
105																								
							108.20	111.25	3.05	70	0.49	3.00	98	2.78	91	13	FR	MS	8	60	5	4	Cb	
110																								
							111.25	114.30	3.05	75	0.40	3.05	100	2.67	88	13	FR	MS	4	70	5	4	Cb	
115							114.30	117.35	3.05	60	0.33	2.99	98	2.85	93	13	FR	MS	4	80	3	4	Cb	
							117.35	120.40	3.05	75	0.81	3.00	98	2.62	86	13	FR	MS	4	60	3	4	-	
120																								
							120.40	123.44	3.04	65	0.61	3.00	99	2.47	81	13	FR	MS	4	65	5	5	-	

IGOR PROPERTY

YUKON URANIUM PROJEC
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517094	7213365		81.38

Casing: depth: 7.62 out

Core Size: btw

Logger: Ben Gelber

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:
Contractor: Superior

Hole: DDH-I-2006-14

Section:

Drilling dates: July 25-29, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	178	-50	Brunton
81.38	-		Acid

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
			0.00	12.19		OVB									OVB																					0.00	1.52	1.52	60	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
																																				1.52	3.05	1.53	65	2.73	0.82	54	0.00	0	8	SW	MS	10	-	5	4	-	
																																				3.05	6.10	3.05	70	68.00	2.37	78	1.09	36	9	SW	MS	9	70	5	4	Li	
5																																																						
																																				6.10	7.62	1.52	65	65.90	1.02	67	0.71	47	9	SW	MS	8	80	5	4	Li	
																																				7.62	12.19	4.57	85	35.30	2.30	50	0.85	19	11	FR	MS	8	50	3	3	He	
10																																																						
	FX	55	12.19	12.57		VN	BK	CG			chl	m	car	f	VN Mg(Py,Cp)MA3-chl	t	t		80	Do	m	Li	f			90	Cl	Do	Li								12.19	15.24	3.05	70	23.40	2.90	95	2.22	73	11	FR	MS	8	35	5	4	cb/Li	
															MA Mg w/ trace Py and Cp. Heavy chl alteration of matrix w/ Do infill of FX. FX 55.																																															
	C	90	12.57	15.80		W	GY	CG	Bx		car	m	ser	f	WSEDPy(Mg,Cp)3-car	7	1		3	Do	S	Qz	w	SLT		60	Do	Se																																		
15	FO	80													GY Bx w/ car altered SLT clasts. Matrix of Do, Se, Py, Mg, Cp. Py as FX infill. Mg as subhedral to euhedral xtals in matrix up to 1.0cm. Cp as FG FX infill associated w/ Do and Qz. Weak FO 80. FX 40. HW contact 90.																																			15.24	18.30	3.06	75	12.10	2.65	87	1.70	56	11	FR	MS	7	50	3	3	-	
	C	60	15.80	35.13		W	GY	CG	Bx		ser	s	car	w	WSED(Mg,Py)2-ser	1			3	Do	m	Ba	w	SLT		40	Se	Do	Cl																																		
	SH	60													Gy Bx w/ alb altered SLT clasts overprinted by car. Matrix of Se, Do, Mg, Py, Cl, Ba, Ak. Matrix dominated by Se at top w/ Do increasing in matrix toward bottom of unit. Ba as infill and small VT's. Mg as euhedral xtals in matrix. Py as xtals in matrix up to 0.3cm. unit is very broken locally and appears to be locally sheared. HW contact 60, SH 60, FX 60, weak FO 60. Ba increases toward bottom of unit.																		

Hole: DDH-I-2006-14 **Section:** _____ **Drilling dates:** July 25-29, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)		Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
	FX	65													GY PK Bx w/ alb altered SLT clasts overprinted by Do and Ak. Matrix of Do, Ak, Mg, Py, Ab, Cl, Si, Cpw/ Ba as FX infill. Small euhedral xtals of Ab in Do, Ak matrix. Mg as large euhedral xtals partially replaced by Py. Py as FG FX infill and replacement of Mg. Cp in VT's w/ Do, Ak. HW contact 65. No Fo. Fx 65.																																															
	FX	45	36.80	81.38		SLT	GY	FG	CR		alb	s			SLT	t																						36.60	38.10	1.50	75	0.19	1.35	90	0.16	11	9	FR	MS	13	70	3	4	-	
															CR alb altered SLT. Cl, Do, Ak and Qz infill of FX and VT's. locally tectonically brecciated. Trace Py as FX infill. FX 45. No FO.																							38.10	41.50	3.40	60	0.08	2.95	87	1.30	38	10	FR	MS	12	50	3	4	-	
40																																				41.50	43.60	2.10	65	0.07	1.32	63	0.55	26	9	FR	MS	17	65	3	3	He/Li	
																																				43.60	46.02	2.42	70	0.19	2.45	101	1.69	70	10	FR	MS	6	60	3	3	-	
45																																				46.02	49.68	3.66	75	0.03	2.72	74	1.12	31	9	FR	MS	10	70	3	3	-	
																																				49.68	52.58	2.90	70	0.06	2.45	84	1.23	42	9	FR	MS	14	50	3	3	Li	
50																																				52.58	54.41	1.83	65	0.04	1.80	98	1.55	85	11	FR	MS	8	70	3	4	-	
																																				54.41	55.32	0.91	75	0.05	0.89	98	0.50	55	10	FR	MS	8	50	3	4	-	
55															(50.93-56.08) Qz VN																						55.32	57.91	2.59	70	0.04	2.16	83	1.05	41	10	FR	MS	9	50	3	4	Li	
																																				57.91	59.44	1.53	90	0.05	1.24	81	0.46	30	10	FR	MS	14	80	3	4	Li	
60																																				59.44	64.01	4.57	70	0.60	4.08	89	2.49	54	12	FR	MS	12	75	3	3	Li	
																																				64.01	65.33	1.32	75	0.08	1.17	89	0.47	36	10	FR	MS	11	90	5	4	-	
65																																				65.33	68.58	3.25	70	0.11	2.53	78	1.36	42	10	FR	MS	14	75	5	4	Li	
																																				68.58	70.10	1.52	65	0.06	1.12	74	0.60	39	10	FR	MS	11	65	3	3	-	
70																																				70.10	71.63	1.53	70	0.11	1.30	85	0.60	39	11	FR	MS	12	45	3	4	-	
																																				71.63	74.68	3.05	75	0.09	2.50	82	0.75	25	12	FR	MS	9	45	5	4	Li	
75																																				74.68	76.20	1.52	65	0.06	1.23	81	0.50	33	9	FR	MS	9	70	3	4	Li	
																																				76.20	79.25	3.05	65	0.05	2.16	71	0.38	12	7	FR	MS	17	80	2	3	Li	
80																																				79.25	81.38	2.13	70	0.11	2.63	123	1.28	60	11	FR	MS	9	60	3	4	Li	
															EOH 81.38																																							

IGOR PROPERTY

YUKON URANIUM PROJEC
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517404	7214016	1086	181.36

Casing: depth: 7.62 out

Core Size: btw

Logger: Rick Zuran

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:
Contractor: Superior

Hole: DDH-I-2006-15

Section:

Drilling dates: August 25-28, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	315	-60.5	Brunton
176.75	-	-62.5	Acid

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	3.05		OVB	BN	Bx			oxi	ms			Overburden - dirty BN mixed w/ clay and soil, broken pieces. Primarily HSEDMg-Hs(Py)2-oxi															
	C	90	3.05	9.15		W	GYBK	Bx			alb	s	pot	s	WMg(Ba,Py,Cp,SED)MA-alb,pot									SLT		70	Ba	Py	Fl
															50% of this unit is MA. Py>Cp. Mg xtals get larger toward FW, up to 1.0cm. V. magnetic w/ interstitial Ba, Do, Py. EU Di PU FL noted at 5.70m.														
5															5.56m - 0.5cm Do VT.														
															8.56m - 0.5cm Cp, Do VT.														
	C	80	9.15	14.72		W	BN	Bx	FO	SR	pot	ms	oxi	f	WSEDMg(Ba,Cp)2-ser,pot	1	2		20	Ba	f			SLT		45	Ba	Kf	
	FO	40													noted FO of 30-50 TCA in this unit. Locally streaky. Mg is finer grained (MG) than above interval. Increase in Do-Cp VT's to 5%. Xcuts the FO. FW ble for 10cm. TN strong alb? Pot alteration.														
10																													
			14.72	21.50		W	GY	Bx			car	s			WSED(Mg)2-car,alb		t		7					SLT		35	Do	Mg	Qz
															Interval distinctive maderate GY w/ sub EU CG Do in matrix. FG Mg (DI) diminishing down interval. Generally non FO and barren, clast size increase, some LA-all SLT.														
15																													
			21.50	28.25		W	BGGY	Bx			car	s	pot		WSED(Mg)2-car,pot		t		7					SLT		45	Do	Qz	Kf
															v. similar to above interval. Change in colour to lighter paler beigy colour. Mg FG but texturally forming small patches. Generally non FO. 3 xcutting Do VTs at 20-50 TCA w/ trace blebby Cp. Car, alb more interstitial - less EU DI. HW contact transitional.														
20																													
	C	25	28.25	31.02		VN	GYBK				fec				VN Mg(Py,Ba,Si,Cp)MA-fec	5	t		35	Ba	m	Si	f						
															interval MA for 60% of interval. Mg locally weakly FO. Mg sub EU locally crowded texture. Py locally up to 10% interstitial to Mg.														
25																													
	FO	40	31.02	33.22		W	GYBK	Bx	SP		alb	s	car	s	WSEDMg(Cp)3-alb,car	1	1		15					SLT		70	Do	Kf	
30																													

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
							0.00	3.05	3.05	60	7.36	1.02	33	0.13	4	6	SW	S	8	60	3	3	Li	
	3.05	5.00	1.95	C107701	<10	104	3.05	4.88	1.83	60	9.96	1.50	82	0.43	23	8	FR	S	11	70	3	4	Li	
							4.88	7.01	2.13	55	90.70	1.87	88	0.64	30	8	FR	S	12	60	5	4	Li	
	5.00	7.01	2.01	C107702	10	335																		
	7.01	9.15	2.14	C107703	<10	626	7.01	7.62	0.61	55	163.00	0.53	87	0.10	16	9	FR	S	12	75	3	5	-	
							7.62	8.84	1.22	55	128.00	1.00	82	0.28	23	9	FR	S	10	75	3	3	-	
	9.15	11.00	1.85	C107704	10	835	8.84	9.91	1.07	60	129.00	0.71	66	0.31	29	9	FR	S	10	60	5	4	Li	
							9.91	11.28	1.37	55	46.60	1.36	99	0.12	9	9	FR	S	13	55	5	5	-	
	11.00	14.72	3.72	C107705	<10	39	11.28	13.72	2.44	60	82.90	0.50	20	0.41	17	10	FR	S	2	80	5	5	-	
							13.72	14.63	0.91	65	12.90	0.28	31	0.25	27	9	FR	S	2	80	5	5	i/Cb	
	14.72	17.00	2.28	C107706	<10	55	14.63	15.58	0.95	55	7.76	0.82	86	0.26	27	8	FR	S	14	50	5	4	Li	
							15.58	16.15	0.57	60	5.03	0.44	77	0.12	21	9	FR	S	13	40	5	4	Li	
							16.15	16.61	0.46	60	0.27	0.46	100	0.12	26	9	FR	S	13	50	5	4	Li	
	17.00	19.00	2.00	C107707	<10	23	16.61	18.29	1.68	55	0.19	1.60	95	0.70	42	10	FR	S	9	40	5	4	-	
							18.29	21.33	3.04	60	0.29	2.97	98	2.26	74	12	FR	S	6	60	5	5	Li	
	19.00	21.50	2.50	C107708	<10	146																		
	21.50	24.00	2.50	C107709	10	99	21.33	23.47	2.14	55	1.88	2.04	95	1.20	56	11	FR	S	8	70	3	4	Li	
							23.47	25.76	2.29	55	4.27	2.35	103	1.61	70	11	FR	S	8	65	3	4	Cb	
	24.00	26.00	2.00	C107710	<10	436																		
							25.76	28.80	3.04	60	9.51	3.02	99	2.27	75	12	FR	S	9	55	3	3	Cb	
	26.00	28.25	2.25	C107711	30	417																		
	28.25	30.00	1.75	C107712	30	167	28.80	30.48	1.68	75	110.00	1.72	102	1.10	65	11	FR	S	8	70	3	3	Cb/Li	
	30.00	31.02	1.02	C107713	<10	667	30.48	33.22	2.74	55	53.10	2.71	99	1.33	49	10	FR	S	8	45	5	4	Li	

Hole: DDH-I-2006-15 **Section:** **Drilling dates:** August 25-28, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
	FX	20													Weakly FO, spotty EU texture of crowded Mg and alb(?)/Do-overprints any clasts. Xcutting FX fillings (Do) up to 6% interstitial blebs of Cp and Py towards HW radically decreases to trace amounts down interval.																		31.02	33.22	2.20	C107714	10	1730																		
			33.22	34.50		W	RDBN				oxi	s			WSEDMg-Hs(Py)3-oxi	5		3	15					SLT		70	Mg-He			BLANK			C107715	10	12																		
															Strong surface coating of Li, also along some FX giving a rusty surface colour. Original clast texture obliterated. DI EU Py pyritohedrans. Weakly non magnetic interval.																		33.22	34.50	1.28	C107716	10	362	33.22	35.66	2.44	55	5.83	1.85	76	0.50	20	9	FR	S	11	50	5	5	Li	
			34.50	41.95		W	DKGY	SP	FO		alb	f			WHeSED(Py,Ba)3-alb	5	t	35						SLT		70	He	Ab		34.50	37.00	2.50	C107717	10	258																		
35															Texture (clasts) obliterated by a weakly FO He-Py +/- Ba mix. Contrasting v. DK GY colour to HW and FW units. Sharp FW contact. Spotty streaked (wk-FO) texture.																							35.66	37.19	1.53	50	0.48	1.06	69	0.11	7	8	FR	S	12	60	5	5	Li	
	VT	5													(37.20m - 2cm wide Do VT w/ 3 blebs of Cp at % degrees TCA.															37.00	39.00	2.00	C107718	10	52	37.19	39.62	2.43	55	0.46	2.26	93	2.09	86	13	FR	S	7	45	5	5	Li	
	FO	45													39.75m - 45 degrees TCA-MO FO															39.00	41.00	2.00	C107719	10	15	39.62	42.67	3.05	60	0.45	2.95	97	2.18	71	12	FR	S	7	55	5	5	i/Cb	
40																																																					
	C	30	41.95	45.93		W	PKBG	Bx			pot	i	car	m	WSED(Hs,Py)1-pot,car	3		8						SLT		20	Kf	Do	He	41.00	41.95	0.95	C107720	<10	7																		
															Distinct colour change (Pinkish) and crowded Bx texture. Irrecular patches of Hs and sub EU Py in matrix. Hard pot alteration pervasive. Local interstitial patches of Do alteration.																		41.95	44.00	2.05	C107721	20	9	42.67	45.72	3.05	65	0.31	3.00	98	2.63	86	13	FR	S	5	50	5	5	Cb	
	VT	40													42.90m - Do VT xcutting at 40 degrees TCA. 3mm wide.																																											
	VT	45													44.15m - Qz, Do VT. 1mm wide. Xcut at 45 degrees TCA.															44.00	45.93	1.93	C107722	10	6																		
45	C	75	45.93	53.50		W	GNGY	Bx			chl	i	car	m	WSED(Hs,Py)1-chl,car	1		3						SED		20	Cl	Kf	Do	45.93	48.00	2.07	C107723	10	17	45.72	48.16	2.44	60	0.31	2.20	90	0.20	8	11	FR	S	7	50	5	4	i/Cb	
															primarily a chl alt interval w/ paled (pot alt) sub-intervals. 8 Qz, Do VTs 3cm wide in first m.																																											
															48.00-49.00m - LT BG pot-car alt sub interval.															48.00	50.00	2.00	C107724	<10	15	48.16	48.62	0.46	60	0.12	0.38	83	0.00	0	7	FR	S	9	70	5	5	Li	
															49.00-50.75m - DK GY increased chl w/ Py blotches near FW.																							48.62	50.60	1.98	60	0.27	1.98	100	0.90	45	9	FR	S	12	60	3	4	Li	
50															50.75-51.70m - LT BG pot alt WBx marked by sharp 3.0cm Do Vt at FW contact.															50.00	52.00	2.00	C107725	20	6	50.60	53.19	2.59	55	0.29	2.31	89	0.89	34	9	FR	S	10	55	5	5	Li	
																																					52.00	53.50	1.50	C107726	10	4												
	C	35	53.50	56.12		W	GYBK	Bx	FO		alb	i	pot	ms	WSEDHs2-alb,pot	t		30						SLT	QTE	35	Hs		Do	53.50	55.00	1.50	C107727	<10	25	53.19	53.95	0.76	55	0.22	0.63	83	0.40	53	9	FR	S	10	45	5	4	Li	
															DK matrix (Hs-FG-rich). Clasts are typically lighter and overprinted by alb, pot pervasive alt. locally wk-mod FO varying from 35 degrees TCA at top of interval to 0 TCA at bottom.																							53.95	56.39	2.44	60	0.26	2.56	105	2.37	97	11	FR	S	5	80	5	5	Li	
55																															55.00	56.12	1.12	C107728	10	53												
	C	55	56.12	63.05		SLT	BG	CR	Bx		ser	ms	car	w	SLT	t													56.12	58.00	1.88	C107729	10	62	56.39	59.44	3.05	60	0.18	2.90	95	1.81	59	11	FR	S	7	50	5	4	Li	

Hole: DDH-I-2006-15 **Section:** **Drilling dates:** August 25-28, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
															Contrasting LT BG unit and brittle well developed CR texture. Lith generally a ser alt SLT w/ minor FG Si/SLT. FX infill of DK Hm-Cl along CR FX. Local off WH Do infill. Trace DI Py-rare.																																												
	SH	45													57.85m - CR SH plane																58.00	60.00	2.00	C107730	<10	30																						
																																					59.44	62.48	3.04	60	0.26	2.89	95	2.38	78	11	FR	S	6	65	5	4	Li	
60																															60.00	62.00	2.00	C107731	<10	3																						
	C	20	63.05	63.30		VN	WH	VN	Bx						VN BXA-Do									SLT		70	Do			62.00	64.00	2.00	C107732	<10	7	62.48	65.53	3.05	65	0.23	2.98	98	2.40	79	11	FR	S	5	50	5	3	Cb/Li	
															off WH Do VN w/ 30% angular wall fragments of ser-car alt SLT. No Sx.																																							
			63.30	67.60		W	LTBG	Bx	FO	CR	ser	i	car	w	WSED1-ser	t		t						SLT		15	Se	Qz	Hs	64.00	66.00	2.00	C107733	<10	1																						
															Distinctive v. pale light creamy BG colour. Fragments jiggsawed and locally moderately foliated. Generally absent of Sx or iron oxides. Trace Hs (FG DI) locally. Inc. CR-Do injection VN Bx towards FW contact.Trace Sx/FeOx associated w/ Do VN Bx.																																													
65																																					65.53	68.58	3.05	60	0.12	3.04	100	2.39	78	12	FR	S	6	45	3	4	Li	
															66.75 - 67.25m - subinterval. Sharp HW contact 50 TCA. CR Do injection rebrecciated WBx w/ Ba VN at FW contact 60 degrees TCA.																																												
	C	50	67.60	69.30		W	BGGY	Bx	VN		chl	i	ser	s	WSED1-chl,ser									SLT		20	Se			66.00	67.60	1.60	C107734	<10	2																						
															Darker greenish GY than above unit. Clasts w/ chl alt and LT BG ser altered matrix. Good developed Bx texture. Do injection VN at FW con. 30 degrees TCA. 69.00 69.30m - Do VN w/ 30% chl alt wall fragments.																																												
	C	50	69.30	72.00		W	LTBG	Bx	FO		ser	i	car	w	WSED1-ser				1					SLT		20	Se		Hm	67.60	68.50	0.90	C107735	10	1																						
																															68.50	69.30	0.80	C107736	10	23	68.58	71.63	3.05	60	2.64	2.92	96	1.70	56	10	FR	S	8	55	5	5	i/Cb	
															(similar to 63.30-67.60m) More foliated to 30 degrees TCA at HW to 5 degrees TCA at FW w/ a Do VN at FW Tr-31. v FG DI Hm.																																											
70																															69.30	72.00	2.70	C107737	<10	23																						
																																					71.63	74.67	3.04	60	0.46	2.95	97	2.42	80	10	FR	S	7	55	5	4	i/Cb	
			72.00	73.95		W	BGGY	FO	Bx	FLT					WSED(Py)2-chl,car,pot	10	t			Ba	tw			SLT	QTE	30	Cl	Do	Kf	72.00	73.95	1.95	C107738	10	1280																						
															Re-activated strained FO re-Bx interval w/ increased FG Sx. Rehealed competant core. (rehealed FLT) reduced elongated clast size. Py +/- trace Cp FG following strain FO. Moderate chl car alt in top half of interval w/ clasts becoming increasingly pot altered. py ranges from 5-20%																																													
	C	35	73.95	74.80		W	BG	FO	Bx	FLT	ser	i	car	ms	WSED1-ser,car									SLT	QTE	20	Do	Cl	Hs	74.80	76.20	1.40	C107740	10	116	74.67	77.72	3.05	65	0.33	3.02	99	2.86	94	11	FR	S	6	70	5	4	i/Cb	
															Pale Bg ser-car strongly foliated strained (rehealed FLT?)Bx. Similar to (69.30-72.00) but more FO strained. Pot alt contact v. sharp. (FW)																																												
*	C	35	74.80	76.20		W	BG	Bx			car	i	pot	ms	WSED(Py,Ba,Hs)1-car,pot	8	t	1		Ba	m			SLT	QTE	20	Do	Cl	Hs																															
															Well developed heterolithic Bx w/ pot alt. large clasts (5-25cm), interstitial sub EU aff WH Do, 5% stringer VTs of Do +/- Ba. One clast (angular) >15cm FG FO Py (+/-Cp)-MA. MA Py at FW contact.																																												
75																																																							
	C	40	76.20	76.47		FLT	BZ	FO	FG	MT	car	f			FLT MA FO Py	70	2							SLT		70	Py	Do	Cl	76.20	76.47	0.27	C107741	10	6370																						

Hole: DDH-I-2006-15 **Section:** **Drilling dates:** August 25-28, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
															competent well strained FO FG Py w/ local blebby (Cp 2%) + 15% sa-sr alt SEL clasts. Re-activated, healed, strained FLT. Sharp HW and FW contacts. HW 40 degrees TCA.
	c	50	76.47	82.30		W	GYBK	Bx	VN		ser	ms	car	ms	WSED(Hs,Py,Ba)1-ser,car
															Variable interval. Mixed v. large clasts w/ Do-Ba VN/VN-Bx between sub intervals they include.
															76.47-78.05m - DK RD GY, Hs (FG) rich subinterval, pot-Hm altered clasts. 10.0cm DO-Ba VN marks FW contact 35 degrees TCA.
*															
															78.05-78.43m - LT BG, Lg clast? Of FO ser alt. WBx. FW contact 15 degrees TCA.
*															
															78.43-78.95m - DK RD BZ GY, strongly heterolithic BXA. Some large (>5.0cm) MA Py (+/-Cp) clasts. Also clast of Ba.
80															
															78.95-82.30m - BG GY WH - disrupted large clasts (5-30cm) of ser-chl alt SLT w/ Do Ba VN in between (Irregular contacts). Do-Ba VNs (1.0-10.0cm wide) representing 20% of the interval.
			82.30	82.70		W	GYBG	Bx			ser	s	chl	f	WSED1-ser,chl
															Finer Bx than above interval. No Sx. FG DI of Cl in matrix up to 10%
			82.70	141.52		SLT	LTBG	CR	VN	FO	ser	i	pot	i	SLT
															Paled alt disrupted country rock adj to WBx body. Large interval w/ local: variable FO; Do(+/-Ba, Cp) Vn/VTs - 10% of interval. Spotted 2mm DI Py. VN-BXA texture-SH tex-5%.
85															
	FO	30													84.50-84.60m - 10% sub EU Py (2mm) along FO.
															84.60-85.00m - chaotic Do VN w/ 2% blobs and XL(in VUG) Cp.
	SH	65													87.30-87.40m - FLT Bx + Sx
															90.10-90.50m - 10% sub EU Py.
90															
	FO	15				SLT	WH	VN	VU						90.50-90.75m - Do VN w/ VU and 3% XL Cp.
95															
	FO	40													99.60-101.85m - FO
100															
105															
															108.00-109.00m - VN-BXA. Core of fold. Do (1% Cp blobs) infill - CR BXA
						SLT	WHBG	CR	Bx	FO					

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
3	1	7		Ba	f			SLT		15	Do	Se	Ba
20	3												
											Ba	ms	
								SLT		15	Se		Cl
10													
	2												
15				Cl	W								
10													
	3			Do									
	1												

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	
76.47	78.00	1.53	C107742	10	272	
78.00	79.00	1.00	C107743	10	279	
79.00	80.00	1.00	C107744	10	16	
80.00	82.30	2.30	C107745	10	67	
82.30	82.70	0.40	C107746	<10	80	
82.70	84.00	1.30	C107747	<10	9	
84.00	86.00	2.00	C107748	<10	457	
86.00	88.00	2.00	C107749	<10	91	
88.00	90.00	2.00	C107750	10	49	
90.00	93.00	3.00	C107751	<10	76	
93.00	96.00	3.00	C107752	<10	30	
96.00	99.00	3.00	C107753	<10	251	
BLANK			C107754	10	2	
99.00	102.00	3.00	C107755	<10	381	
102.00	105.00	3.00	C107756	<10	78	
105.00	108.00	3.00	C107757	<10	301	
108.00	111.00	3.00	C107758	<10	428	

Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
77.72	80.77	3.05	60	0.34
80.77	83.82	3.05	60	0.26
83.82	86.87	3.05	60	0.96
86.87	89.92	3.05	60	0.58
89.92	92.96	3.04	60	0.49
92.96	95.40	2.44	55	0.60
95.40	97.54	2.14	55	0.80
97.54	100.58	3.04	55	0.28
100.58	103.63	3.05	60	0.26
103.63	106.68	3.05	55	0.20
106.68	109.42	2.74	5	0.20

GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness
2.86	94	2.49	82	12	FR	S
3.05	100	2.58	85	11	FR	S
3.00	98	2.63	86	13	FR	S
3.01	99	2.65	87	12	FR	S
2.99	98	2.73	90	11	FR	S
2.45	100	1.82	75	10	FR	S
2.05	96	1.57	73	10	FR	S
2.87	94	2.01	66	11	FR	S
2.95	97	2.27	74	12	FR	S
3.00	98	2.68	88	14	FR	S
2.80	102	2.70	99	13	FR	S

JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
6	50	3	3	i/Cb	
6	75	5	5	i/Cb	
6	50	5	5	Li	
5	50	5	5	-	
5	50	5	5	i/Cb	
7	65	3	4	Cb	
5	75	5	4	i/Cb	
7	65	5	4	i/Cb	
6	70	3	4	i/Cb	
3	45	3	5	i/Cb	
4	40	5	5	i/Cb	

Hole: DDH-I-2006-15 **Section:** **Drilling dates:** August 25-28, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
110															
						SLT	BGMT	LA	Sx						111.05m - one Py-Cp laminae. 2mm wide @ 15 degrees TCA.
115															
120															
125															
						SLT	BG	CR	FO	Bx	ser	s	car	ms	126.00-129.30m - Zone of disrupted LA and 10% CG EU pyritohedrons- local ones w/ trace Cp in them-DI evenly through core. FW marked my abrupt 7cm wide chl matrix SLT BXA.
130															
135															
140															
	C	30	141.52	142.88		FLT	LTBG	Bx	Go	CR	cly	i	pot	s	FLT
															HW CR w/ weak chl infill Increasing v. pale BG TN cly GO increasing to 30% at end of interval. Broken core in between breecciated fragments w/ clay GO in between.
	SH	25	142.88	159.62		W	BG	Bx	SH	FO	ser	s	pot	m	WSED1-ser,pot
															BG Bx w/ disrupted m-alt (pot) clasts in a s-alt (ser) matrix. Locally w/ cly ser alt increased at shear planes. Trace 2% v. FG DI EU martite (?) throughout clasts and matrix.
145															
															147.50m - sheared broken core w/ cly.
															149.20m - SH plane @ 25 degrees TCA
150															
															154.50-154.80m - Large unaltered LA SLT clast w/ 3% MG XL Py DI.
155															
															158.25m - 0.5cm Do-Ba VT at 45 degrees TCA.
	VT	45													
	C	40	159.62	162.21		SLT	GY	FO	DE	St					SLT

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
110														
	5	2												
115														
120														
125														
	10	t												
130														
135														
140														
	t		t	t					SLT		15	Se		Fe
145														
150														
	2													
155														
			5		Ba	w								

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
110							109.42	112.47	3.05	60	0.20	2.94	96	2.80	92	12	FR	S	5	55	5	5	i/Cb	
	111.00	114.00	3.00	C107759	<10	182																		
							112.47	115.52	3.05	60	0.21	2.95	97	2.33	76	12	FR	S	5	75	5	5	i/Cb	
	114.00	117.00	3.00	C107760	<10	234																		
115							115.52	117.96	2.44	55	0.38	2.45	100	1.90	78	12	FR	S	4	45	5	4	Cl	
	117.00	120.00	3.00	C107761	<10	66	117.96	120.40	2.44	60	0.14	2.29	94	1.38	57	12	FR	S	5	40	5	5	Cl	
120	120.00	123.00	3.00	C107762	<10	37	120.40	123.44	3.04	55	0.22	2.98	98	2.78	91	13	FR	S	3	50	5	5	l/Cb	
	123.00	126.00	3.00	C107763	<10	49	123.44	125.88	2.44	55	0.15	2.42	99	2.13	87	13	FR	S	4	40	5	5	-	
125							125.88	128.93	3.05	60	0.16	2.61	86	2.47	81	13	FR	S	4	70	5	5	Cl	
	126.00	129.00	3.00	C107764	<10	7																		
							128.93	129.54	0.61	50	0.22	0.61	100	0.61	100	12	FR	S	7	80	3	5	-	
	129.00	132.00	3.00	C107765	<10	16	129.54	132.59	3.05	55	0.14	3.05	100	2.95	97	12	FR	S	3	75	3	4	-	
130																								
	132.00	135.00	3.00	C107766	<10	9	132.59	135.64	3.05	60	0.14	3.05	100	2.81	92	14	FR	S	2	80	3	3	Cb	
135	135.00	138.00	3.00	C107767	<10	26	135.64	138.68	3.04	55	0.25	2.90	95	2.90	95	13	FR	S	4	35	2	3	i/Cb	
	138.00	141.52	3.52	C107768	<10	16	138.68	141.73	3.05	60	0.18	2.92	96	2.42	79	11	FR	S	5	40	3	4	i/Cb	
140																								
	141.52	142.88	1.36	C107769	<10	4	141.73	143.71	1.98	55	0.11	1.63	82	0.56	28	9	FR	S	12	40	5	3	Cb	
	142.88	146.00	3.12	C107770	<10	1																		
							143.71	144.32	0.61	60	0.32	0.59	97	0.00	0	9	FR	S	9	35	5	3	b/Cl	
							144.32	146.30	1.98	60	0.40	1.80	91	1.45	73	12	FR	S	4	30	5	4	Cl	
145																								
	146.00	149.00	3.00	C107771	<10	1	146.30	147.68	1.38	60	0.29	1.12	81	0.72	52	9	FR	S	10	35	5	4	Cl	
							147.68	149.35	1.67	55	0.21	1.38	83	1.07	64	13	FR	S	6	45	5	4	Cl	
	149.00	152.00	3.00	C107772	<10	1	149.35	151.79	2.44	55	3.61	2.42	99	1.30	53	11	FR	S	9	##	5	4	b/Cl	
150																								
							151.79	152.40	0.61	55	1.99	0.58	95	0.27	44	10	FR	S	7	70	5	4	Cb	
	152.00	155.00	3.00	C107773	<10	3	152.40	155.45	3.05	55	1.47	3.04	100	2.87	94	12	FR	S	4	55	5	3	Cl	
	BLANK			C107774	<10	2																		
155	155.00	158.00	3.00	C107775	<10	4	155.45	158.50	3.05	60	0.35	2.88	94	2.58	85	11	FR	S	6	45	3	4	Cl	
	158.00	159.62	1.62	C107776	<10	17	158.50	161.54	3.04	60	0.21	3.04	100	2.86	94	14	FR	S	3	65	3	3	-	
	159.62	162.21	2.59	C107777	<10	39																		

Hole: DDH-I-2006-15 **Section:** **Drilling dates:** August 25-28, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor
	VT	30													Distinct moderate grey colour, well FO locally disrupted/deformed, Hs(=?-chl) along FO stylolite structures, poorly developed. Do-Ba VTs (<1.0cm) xcutting SLT at 30 decrees TCA. HW contact 40 degrees TCA.															
160			162.21	171.22		W	BG	Bx	SH	FO	ser	s	pot	m	WSED(Mg)1-ser,pot,car	t			3				SLT		15	Se		Mg
															Identical to (124.88-159.62m) interval. Increased FG DI Mg. trace to 1% 3-4mm EU Py. Local chl increases at SH planes. Weak car alt.														
165																														
170																														
			171.22	181.36		W	GY	Bx	FO		car	tw			WSED1-car			1					SLT	QTE	15	Qz	Cb	Hs
															v. similar to above interval without the BG (ser alt.) and FG DI Mg grains. Relatively unaltered, breccia. Local paling (pot +/-ser alt, weak).														
175																														
180																														
															EOH 181.36 m															

ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
						161.54	164.59	3.05	60	5.33	2.98	98	2.93	96	13	FR	S	3	75	3	3	Cl	
162.21	165.00	2.79	C107778	<10	13																		
						164.59	167.64	3.05	55	1.71	2.81	92	2.31	76	13	FR	S	4	60	3	4	Cl	
165.00	168.00	3.00	C107779	10	6																		
						167.64	170.69	3.05	55	11.10	2.98	98	2.80	92	13	FR	S	4	50	3	4	Cl	
168.00	171.22	3.22	C107780	<10	2																		
						170.69	173.74	3.05	55	0.69	3.03	99	2.89	95	13	FR	S	4	50	5	4	Cl	
171.22	174.00	2.78	C107781	<10	3																		
						173.74	175.87	2.13	55	0.16	2.08	98	1.52	71	12	FR	S	5	50	5	5	Cl	
174.00	177.00	3.00	C107782	<10	9																		
						175.87	176.48	0.61	55	0.16	0.62	102	0.45	74	11	FR	S	7	55	3	4	Cl	
177.00	179.00	2.00	C107783	<10	9																		
						179.22	181.36	2.14	60	0.17	2.10	98	2.08	97	13	FR	S	4	45	3	3	Cl	
179.00	181.36	2.36	C107784	<10	22																		

IGOR PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517404	7214016	1086	275.23

Casing: depth: 4.57 out

Core Size: btw

Logger: Ben Gelber

Scintillometer: Saphymo Stel SPP_2_NF # 2874

SURVEY

Depth	Azi.	Dip	Method
Collar	045	-60	Brunton
225.55	-	-58	Acid

Comments:
Contractor: Superior

Hole: DDH-I-2006-16 **Section:** **Drilling dates:** August 29 - September 2, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	6.40		OVB									OVB														
															rubbly, broken core w/ soil and mud.														
															5.00-6.40m - broken core comprizing MA Mg(Ba).														
5			6.40	7.52		W	GYBN	MO	Bx		oxi	m	alb	f	WSED(Mg)2-oxi,alb		1	3	15	Ba	f	Kf	m	SLT		30	Li	Qz	Ab
															Bx obscured by alt - mottled. Broken core in interval.														
	C	90	7.52	9.00		VN	BK	NE	EH		car	tw			VN Mg(Py,Ba)MA-car	10		1	85	Ba	f	Do	f						
															Cummulative EU Mg w/ net textured WH Do+Ba+Ab? Bx texture completely obliterated														
*	C	80	9.00	9.75		VN	BZ	MT	FG		car	tw			VN Py(Mg,Ba)MA-car	85			10	Ba	f	Do	f						
*															FG MA Py w/ interstitial off WH Ba-Do. Bx texture obliterated. FW contact sharp.														
*	C	15	9.75	10.00		VN	BK	NE	EU		car	tw			VN Mg(Py,Ba)MA-car	8			50										
*															Bx texture obliterated. sos (7.52-9.00m), less Mg and Py. Crowded EU Mg + NE w/ Do +/- Ba and Ab.														
10			10.00	10.65		W	GY	MO	Bx		alb	m			WSED(Mg,Ba)2-alb				18	Ba	f	Kf	m						
															Same as (6.40-7.52m) with more Mg.														
	C	85	10.65	10.90		VN	BK	NE	EU		alb	m	car	w	VN Mg(Py,Ba)MA-alb,car	5	1		85	Ba	f	Ab	m						
															Crowded sub-EU Mg XL w/ interstitial (15%) WH Ba-Ab +/- Do . HW contact 85 degrees TCA.														
	C	20	10.90	15.24		W	GYPK	Bx			pot	ms			WSED(Mg)1-pot	t	t		15					S:T		10	Kf	Qz	
															Up to 25% Mg at HW diminishing to 10% and finer grained by the middle of the interval. Pinkish hue to clasts-pot alt. Rubbled core at FW of interval. No visible contact.														
15			15.24	16.76											LOST CORE														
	VT	80	16.76	17.15		W	BNPK	Bx	VT		pot	i	alb	m	WSED(Ba)1-pot,alb	t	t		5	Ba	ms			SLT		8	Kf	Ab	Qz
			17.15	17.53		VN	BK	MA	NE		fec	m	alb	w	VN Mg(Py,Ba)MA-fec,alb	8	1		80	Ba	m	Ab	f						
			17.53	18.30		W	BNPK	Bx	MO		pot	m	Aalb	m	WSED(Mg,Py)2-pot,alb	t			3	Ba	f			SLT	QTE	25	Kf	Ab	Qz
20	FX	45	18.30	25.50		SLT	GY	FO	LA		pot	m	oxi	f	SLT	t			4	Kf	m	Li	w						
															GY SLT typically FX (planar). 50-80% patchy +/- FX controlled (Kf/Li) pot alt. pervasively as FG overprinting pale BN areas. FX set 45 degrees TCA.														
25	C	35	25.50	37.85		W	GYBG	Bx	FO	CR	pot	s	ser	ms	WSED(Hs)2-pot,ser,alb	t		5	2	Kf	m			SLT	QTE	25			Hs
	FO	45													Stongly FO lensoid fragments of primarily SLT w/ rare more FG sandy derivatives (v. FG QTE). General FO ~45 TCA. BG sub-intervals of increased ser alt.														
	FO	35													27.90-29.25m - LT BG WBx w/ increased ser (ms-s). CR Bx on HW. FO 35 TCA.														
30																													
35																													

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
								0.00	3.05	3.05	55	18.10	0.35	11	0.00	0	6	SW	MS	-	-	5	4	-	
								3.05	3.96	0.91			0.62	68	0.00	0	7	SW	MS	12	45	5	4	Li	
								3.96	4.88	0.92	55	3.77	0.52	57	0.36	39	8	SW	MS	7	40	3	3	-	
								4.88	5.49	0.61	60	0.97	0.46	75	0.14	23	8	SW	MS	11	80	5	4	He	
5								5.49	6.40	0.91			0.64	70	0.00	0	7	SW	MS	13	40	3	4	Li	
	6.90	7.52	0.62	C106201	10	245		6.40	9.14	2.74	55	304.00	1.70	62	0.46	17	8	FR	MS	12	50	5	4	Li	
	7.52	9.00	1.48	C106202	10	465																			
*																									
*	9.00	9.75	0.75	C106203	10	1375																			
*	9.75	10.00	0.25	C106204	10	143																			
*	10.00	10.65	0.65	C106205	<10	136		9.14	12.19	3.05	55	162.00	2.60	85	1.57	51	9	FR	MS	10	65	5	4	Li	
10	10.00	10.65	0.65	C106205	<10	136																			
	10.65	10.90	0.25	C106206	<10	368																			
	10.90	13.00	2.10	C106207	<10	352		12.19	15.24	3.05	55	15.80	0.93	30	0.80	26	9	FR	MS	8	60	3	3	i/Cb	
	13.00	16.76	3.76	C106208	10	78																			
15								15.24	16.76	1.52	-	-	0.00	0	0.00	0	-	-	-	-	-	-	-	-	
	16.76	17.15	0.39	C106209	10	56		16.76	19.81	3.05	60	30.50	2.60	85	1.53	50	10	FR	MS	10	50	3	4	Li	
	17.15	17.53	0.38	C106210	<10	15																			
	17.53	18.30	0.77	C106211	<10	44																			
	18.30	20.50	2.20	C106212	<10	18		19.81	22.86	3.05	55	8.02	2.57	84	0.40	13	9	FR	MS	13	40	5	3	Li	
20	20.50	23.00	2.50	C106213	10	40																			
								22.86	25.91	3.05	55	10.90	2.74	90	1.20	39	9	FR	MS	11	45	3	4	Li	
	23.00	25.50	2.50	C106214	<10	19																			
25	25.50	28.00	2.50	C106215	<10	19		25.91	28.96	3.05	60	11.90	2.70	89	2.30	75	10	FR	MS	7	45	5	4	Li	
	28.00	30.50	2.50	C106216	<10	11		28.96	32.00	3.04	55	1.45	2.57	85	1.80	59	10	FR	MS	8	40	5	4	Li	
30	30.50	33.00	2.50	C106217	<10	4																			
								32.00	35.05	3.05	60	1.51	2.00	66	1.55	51	10	FR	MS	10	45	3	4	Li	
	33.00	35.50	2.50	C106218	<10	5																			
35	35.50	37.85	2.35	C106219	<10	6		35.05	38.10	3.05	60	5.12	2.88	94	1.26	41	9	FR	MS	11	50	3	4	Li	

Hole: DDH-I-2006-16 **Section:** **Drilling dates:** August 29 - September 2, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
	SH	45	37.85	41.80		W	BGBK	Bx	EU	WL	pot	i	alb	s	WSEDMg(Py,Ba)2-pot,alb	8	t		20					SLT		35	Kf	Mg	Qz
															Locally distinct crowded BK EU Mg w/ interstitial FG BG Kf,Ab,Ba +/- wk. Do matrix. Locally Bx texture preserved, other areas completely over run by EU Mg (up to 25%). Up to 10% interstitial blobby Py.																
40			41.80	43.30		FLT	BNGY	Bx	SH	GO	chl	m	ser	m	FLT														
															Broken, SH pieces of core w/ moderate chl,ser and local (5%) Do infill along SH planes.														
			43.30	49.00		W	BG	Bx	FO		car	f	ser	f	WSED(Mg)1-car,ser				1					SLT		15	Se	Qz	Kf
															BG to BG GY colour, un FO to moderately FO gradational w/ stronger FO to next (lower) unit. 1% v. FG EU Mg-pervasive. Clasts typically car alt. w/ ser alt. in matrix. (increased FO).																
45																														
	FO	50	49.00	77.12		W	GY	Bx	FO		pot	s	alb	s	WSED(Mg)1-pot,alb,ser,car				5							20			
															Same lith. As previous unit. Distinct GY locally Pkish (pot-alb alt.) w/ less ser (matrix) - car (blotchy) alt. Pot alt. overprints clasts. Local 1-5cm crowded EU CG XL Mg-Ba (QZ, Ab) VN xcutting at shallow angles. Unit strongly FO, consistent.																
50																														
55																														
60																														
															64.65-64.80m - Band of xcutting crowded EU Mg (Ba) VN @ 0-15 TCA. FO 35 TCA.																
															65.00-65.10m - Microfaulted band xcutting EU Mg (Ba) VN 2cm wide at 85 degrees TCA																
65																														
															67.60-67.80m - 3 bands/patches of crowded EU Mg (Ba-Qz/Ab) VTs 2-5cm wide @ 45 degrees TCA																
70																														
75																														
			77.12	78.87		W	BG	Bx	FO		car	i			WSED2-car	t			t					SLT		30	Do	Ak	Se
															Same unit as above, different alt.-BG colour and Do-Ak alt. small trace amount of Py and Mg. gradational contact.																
	SH	25	78.87	92.96		W	GY	Bx	FO		car	m	chl	f	WSED(Mg)2-car,chl				1					SLT		25		Ak	Cl

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
	BLANK			C106220	<10	1																		
	37.85	39.80	1.95	C106221	<10	4																		
							38.10	39.62	1.52	60	3.61	0.50	33	0.00	0	5	FR	MS	8	45	5	5	Li	
	39.80	41.80	2.00	C106222	<10	79	39.62	40.54	0.92	55	1.05	0.20	22	0.00	0	5	FR	MS	10	70	5	5	Li	
40							40.54	41.91	1.37	55	41.70	1.05	77	0.33	24	7	FR	MS	12	50	5	4	Li	
	41.80	43.30	1.50	C106223	<10	896	41.91	42.98	1.07	60	0.65	0.90	84	0.34	32	8	FR	MS	13	50	5	4	Cl	
							42.98	44.65	1.67	60	1.78	1.58	95	1.05	63	10	FR	MS	8	40	5	4	Li	
	43.30	46.00	2.70	C106224	<10	9																		
45							44.65	46.02	1.37	60	1.01	1.31	96	0.74	54	10	FR	MS	7	50	3	3	Li	
	46.00	49.00	3.00	C106225	<10	5	46.02	48.77	2.75	60	18.40	2.42	88	2.03	74	12	FR	MS	6	65	3	4	Li	
							48.77	51.82	3.05	60	41.70	3.05	100	2.48	81	12	FR	MS	7	55	3	3	Cl/Li	
	49.00	52.00	3.00	C106226	<10	4																		
50							51.82	53.34	1.52	60	16.70	1.45	95	1.15	76	11	FR	MS	8	50	5	4	Li/Cl	
	52.00	55.00	3.00	C106227	<10	3																		
							53.34	54.86	1.52	60	3.16	1.38	91	0.93	61	11	FR	MS	10	45	5	4	Cl	
							54.86	58.06	3.20	55	4.27	2.10	66	1.75	55	10	FR	MS	9	65	5	5	Cl/Li	
55	55.00	58.00	3.00	C106228	<10	10																		
	58.00	61.00	3.00	C106229	<10	3	58.06	60.05	1.99	60	7.84	1.99	100	1.51	76	12	FR	MS	5	46	5	4	Cl/Li	
60							60.05	62.33	2.28	55	4.51	2.10	92	1.83	80	12	FR	MS	5	50	5	4	Cl/Li	
	61.00	64.00	3.00	C106230	<10	2																		
					<10		62.33	65.38	3.05	60	64.00	3.05	100	2.48	81	11	FR	MS	6	65	4	4	Cl	
	64.00	67.00	3.00	C106231	<10	5																		
65							65.38	68.58	3.20	55	17.50	2.98	93	2.86	89	13	FR	MS	4	40	5	4	Cl/Cb	
	67.00	70.00	3.00	C106232	<10	2																		
							68.58	71.48	2.90	60	11.80	2.78	96	2.55	88	13	FR	MS	4	60	4	4	Cl/Cb	
70	70.00	73.00	3.00	C106233	<10	2																		
							71.48	73.00	1.52	55	8.53	1.50	99	0.47	31	7	FR	MS	9	40	4	4	Cb	
	73.00	75.00	2.00	C106234	10	2	73.00	74.37	1.37	60	4.76	1.37	100	0.90	66	11	FR	MS	5	70	4	4	Cb	
							74.37	77.42	3.05	60	26.10	3.10	102	2.35	77	14	FR	MS	4	70	4	4	Cb	
75	75.00	77.12	2.12	C106235	<10	3																		
	77.12	78.87	1.75	C106236	10	5	77.42	80.47	3.05	60	8.05	2.92	96	2.65	87	14	FR	MS	3	45	4	4	Cb	
	78.87	81.50	2.63	C106237	<10	8																		

Hole: DDH-I-2006-16 **Section:** **Drilling dates:** August 29 - September 2, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
															GY weakly alt. unit w/ typical 0.5cm stretched blotches of Do-Ak alt w/ increasing chl. Alt (f.) 1m from SH FW sharp contact @ 25 TCA. Local Do infill VTs @ contact footwall. 1-2% v. FG EU DI Mg throughout interval similar to above interval.
80															
85															
90															
			92.96	113.95		W	GYBG	Bx	FO		pot	ms	car	ms	WSED(Mg)2-pot,car,ser
															Same as above. Diff. alt, more like (49.00-77.12). Increased FG-MG EU XL DI Mg pervasively through interval. Local crowded bands of EU XL Mg 3-7cm wide.more clasts >10cm. Approx. 5% of interval.
95															
100															
105															
110															
			113.95	119.44		W	BGGY	Bx	FO		fec	t			WSED(Py)2-fec
															Predominantly pale BG(LT) unit w/ subintervals of homogeneous 80% Ak alt roxk (non FO) pale LT OR BG in colour, FO WBx w/ strongly Ak alt clasts, a pyritic subinterval.
						W	BGGY	Bx			fec	i			113.95-114.65m - Wkly FO Ak alt. WBx-CR
115	VN	65				VN	BG				fec	80			114.65-115.20m - homogeneous Ak(Qz) FG Ab?
	FO	60				W	BGGY	Bx	FO		fec	x			115.20-115.55m - 30% BL along FO @ 60 TCA
						W	BGGY	Bx	FO		fec	s			115.55-118.08m - BG GY FO partly Ak alt. WBx
	VN	80				VN	BG				fec	80			118.08-118.58m - homogenous FG Ak(Qz) alt.
						W	GY	Bx	FO		fec	ms	ser	m	118.58-119.44m - FO WBx Ak alt.
120	FO	50	119.44	122.50		W	GYBZ	FG	FO	MT	fec	ms			WPySED2-fec
															Zone of FG semi MA to MA Py. Interstitial patches to FO. Upper half of interval 60 % FG MA Py w/ 40% Ak. Lower half 20% Py interstitial to FO/frag gradational contacts.
	FO	45	122.50	141.66		W	GYBG	FO	Bx		fec	s	ser	ms	WSED2-fec,ser,car

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
80														
85														
90														
				8					SLT		30	Se	Qz	Cb
95														
100														
105														
110														
			t	t					SLT		35	Ak		Qz
115														
	30													
120	40													
	t	t		1					SLT		35	Se		Do

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
80								80.47	83.52	3.05	55	13.49	3.00	98	2.90	95	14	FR	MS	2	35	4	4	Cb	
	81.50	84.50	3.00	C106238	10	8																			
								83.52	85.34	1.82	55	10.20	1.87	103	1.13	62	10	FR	MS	5	55	4	4	Cl/Cb	
	84.50	87.50	3.00	C106239	<10	2																			
85								85.34	87.48	2.14	60	15.60	2.20	103	1.18	55	10	FR	MS	5	35	2	2	Cl/Cb	
	87.50	90.50	3.00	C106240	<10	1		87.48	89.31	1.83	55	8.02	1.80	98	1.19	65	10	FR	MS	5	55	4	3	Cl/Cb	
	BLANK			C106241	<10	1																			
								89.31	91.29	1.98	60	9.39	1.98	100	1.15	58	11	FR	MS	4	30	1	2	Cl/Cb	
90	90.50	92.96	2.46	C106242	<10	4																			
								91.29	92.05	0.76			0.75	99	0.00	0	6	FR	MS	10	40	5	4	Cl/Cb	
	92.96	95.00	2.04	C106243	<10	1		92.05	92.96	0.91	55	5.65	0.91	100	0.55	60	10	FR	MS	5	30	1	2	Cl/Cb	
								92.96	94.79	1.83	60	26.10	1.63	89	0.92	50	11	FR	MS	5	25	1	2	Cl/Cb	
								94.79	97.54	2.75	65	6.86	2.86	104	2.80	102	13	FR	MS	2	40	4	2	Cl/Cb	
95	95.00	98.00	3.00	C106244	10	39																			
								97.54	100.58	3.04	60	7.01	3.00	99	2.45	81	13	FR	MS	2	50	4	3	Cl/Cb	
	98.00	101.00	3.00	C106245	10	2																			
100								100.58	103.63	3.05	60	8.42	3.05	100	2.67	88	13	FR	MS	2	25	4	3	Cl/Cb	
	101.00	104.00	3.00	C106246	10	2																			
								103.63	106.68	3.05	65	24.40	3.05	100	2.95	97	13	FR	MS	2	30	1	2	Cl/Cb	
	104.00	107.00	3.00	C106247	<10	2																			
105								106.68	109.73	3.05	60	53.30	3.05	100	3.05	100	13	FR	MS	2	55	5	4	Cb	
	107.00	109.50	2.50	C106248	<10	3																			
	109.50	112.00	2.50	C106249	10	6		109.73	112.78	3.05	60	78.20	2.95	97	2.58	85	12	FR	MS	2	55	5	4	Cb/Cl	
110																									
	112.00	113.95	1.95	C106250	<10	27		112.78	117.35	4.57	55	9.06	4.75	104	3.51	77	11	FR	MS	4	50	5	2	Cl/Cb	
	113.95	116.50	2.55	C106251	<10	609																			
115																									
	116.50	119.44	2.94	C106252	10	250																			
								117.35	120.40	3.05	60	0.55	3.05	100	1.62	53	10	FR	MS	5	45	5	3	Cl/Cb	
	119.44	122.50	3.06	C106253	30	650																			
120								120.40	123.44	3.04	70	0.31	2.80	92	2.40	79	11	FR	MS	4	45	5	4	Cl/Cb	
	122.50	125.50	3.00	C106254	10	44																			

Hole: DDH-I-2006-16 **Section:** **Drilling dates:** August 29 - September 2, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)		Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
															thick unit generally void of Sx and oxides. However locally xcut x/ EU Mg (Py,Cp)Ak alt. Noticed Mg appeared as FG EU Di near last 2m of interval (tr-2%). This unit typically strongly FO w/ Ak alt clasts. Se(Do) matrix.																							123.44	128.04	4.60	65	0.27	4.60	100	3.60	78	11	FR	MS	4	40	5	4	Cl/Cb	
125																															125.50	128.50	3.00	C106255	<10	16																			
	VN	45				VN	WH	MA							(126.10-126.30m) Do(Qz) VN @ 45 degrees TCA					Do	90	Qz	ms																																			
																															128.50	131.50	3.00	C106256	<10	124		128.04	131.06	3.02	65	45.90	3.04	101	2.59	86	11	FR	MS	4	50	5	3	Cb	
130																																																								
																															131.50	134.50	3.00	C106257	<10	16		131.06	132.59	1.53	60	1.66	1.55	101	0.74	48	10	FR	MS	4	45	1	4	Cb/Cl	
																																					132.59	135.16	2.57	60	0.60	2.80	109	2.58	100	13	FR	MS	2	45	1	3	Cl/Cb	
135																															134.50	137.50	3.00	C106258	<10	20																			
																																					135.16	137.16	2.00	60	2.74	1.47	74	0.76	38	11	FR	MS	4	50	1	3	Cl/Cb	
	FO	45				W	GYBG	Bx	FO						(137.75-140.25m) tr-3% FG Dl Mg. pervasive.				2													137.50	140.50	3.00	C106259	10	21		137.16	140.21	3.05	60	10.10	2.87	94	1.45	48	10	FR	MS	6	45	5	3	Cl/Cb	
																															BLANK			C106260	<10	3																			
140																															140.50	141.66	1.16	C106261	<10	27		140.21	143.26	3.05	50	17.70	3.04	100	1.15	38	9	FR	MS	7	50	1	3	Cl/Cb	
	FO	45	141.66	143.57		VN	BG		Ak		fec	85			VN Ak(Mg)	t	t		7	Qz	f	Ab	f							141.66	143.57	1.91	C106262	<10	9700																			
															BG non-FO unit w/ spaced 7-10% up to 1cm EU relic/partly pseudomorphed Mg-some cored w/ Sx (Py,Cp). Matrix is Bg Ak w/ minor Qz and FG EU Ab.																																											
	FLT	50	143.57	145.52		FLT	BGBF	Bx	CR		fec	70	chl	m	FLT - multidimensional	10	2	3	3					Ak		5	Cl			143.57	145.52	1.95	C106263	<10	14200		143.26	144.48	1.22	50	3.09	0.80	66	0.00	0	5	FR	MS	10	50	1	3	Cl	
															Brecciated/CR Ak (Py,Cp) VN broken core. 25cm after/before the HW/FW most of Py and Cp as BL through centre part of interval.																																									
145	C	50	145.52	146.28		VN	BG		Ak		fec	65	car	f	VN Ak(Mg)	10	2	2	15	Qz	f	Ab	f							145.52	146.28	0.76	C106264	10	13100		144.48	145.85	1.37	60	13.90	1.40	102	0.53	39	7	FR	MS	10	45	1	4	Cl	
															v. similar to (141.66-143.57m). Some EU Mg relics, crowded 1cm xtals cored w/ Cp. Unit w/ MA Py on FW and HW. FW con w/ MA Py 85 degrees TCA.																																									
			146.28	149.80		FLT	GYBN	Bx			fec	s	chl	ms	FLT - Multiepisodal Zone															146.28	148.00	1.72	C106265	10	5890		145.85	147.52	1.67	65	1.20	1.45	87	0.00	0	7	FR	MS	10	50	1	4	Cl	
																																					147.52	148.74	1.22	60	11.50	1.20	98	0.23	19	7	FR	MS	9	55	1	4	Cl	
*	FO	85													146.28-147.60m - MA Py, FG FO 85 degrees TCA.	45	5			Qz	s																																			
*															147.60-148.10m - Large CR-Bx Ak alt. clasts.	3	t																																								
*	SH	20													148.10-149.66m - Broken/SH along chl planes.	5	t	2	8	Cl	ms																																			
															149.66-149.80m - Competent core. CR alt. Bx SLT w/ interstitial MA Py.																			148.00	149.80	1.80	C106266	<10	745		148.74	149.66	0.92	60	7.67	0.75	82	0.00	0	3	FR	MS	15	60	5	5	Cl/GO	
	C	45	149.80	151.45		VN									VN Ak,Mg,Py	20	1	5	35	Qz	f																																			
150															Similar to (145.52-146.28m) w more interstitial FO MA Py on selvages and within VN																																									
	FO	60	151.45	154.00		W	LTGY	Bx	FO		ser	m	chl	f	WSED(Mg,Py)1-ser,chl	3			5					SLT		15			Se	151.45	154.00	2.55	C106268	<10	91																			
															alt. Bx w/ local Dl bands of FG Mgw/ overprinting of blotchy Py.																																									
																																					152.40	155.45	3.05	60	76.50	2.90	95	2.70	89	11	FR	MS	3	65	2	3	Cl	
	C	75	154.00	170.65		W	GYBK	Bx			car	35	chl	m	WWMg,Py(Ab,Cp,SED,Fl)3-car,chl.alb	15	2		40	Ab		Fl								154.00	157.00	3.00	C106269	10	7360																			

Hole: DDH-I-2006-16 **Section:** **Drilling dates:** August 29 - September 2, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
															Multiepisodal re-injected, re-brecciate, overprinted interval. EU Mg->up to 1.5cm throughout interval overprints some moth eaten clasts, also interstitial. Py->FG generally in reactivated strain -wisps/bands -FO, also interstitial. Ab->in matrix and some clasts. up to 7.5mm long and twinned. Cp->interstitial, can cut Mg. SED->moth eaten, overprinted w/ Mg and Ab. Fl->rare DK PU in late FX fills.																																																		
155																																				155.45	157.58	2.13	60	200.00	2.10	99	1.67	78	11	FR	MS	3	30	1	3	Fe																		

Hole: DDH-I-2006-16 **Section:** **Drilling dates:** August 29 - September 2, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
															even MG texture of moth eaten feldspar laths with interstitial Do alteration. 'Ghost' clast texture? Not obvious -slight pinkish (Kf) tinge, HW contact 85 degrees.															
	c	85	181.22	190.07		W	GYPK	Bx	FO		pot	i	car	m	WSED(Mg.Py.Cp)2-pot,car	8	t		9					SLT		35	Do		Qz
															pot alt. interval. Different from above interval. Distinct Bx texture. Area/blotches (5cm) towards last 2m of EU crowded Mg (Do-Qz) VN like phase nearing this limit. FW contact=MA Py-Mg(Cp) selvage phase. Many SLT clasts strongly pot alt - upper part of interval increasingly Sx (Py +/-Cp) towards lower part.															
185																													
			190.07	190.54		VN	BKWH	EU	MT		car	X			VN Mg,Py(Cp)3-car	15	1		30	Do	40	Qz	f						
															No Bx texture similar to (178.32-180.12m) Py as 1-4 cm irregular patches.														
190																													
			190.54	191.30		FLT	BZ	FG	CR						FLT (MA Py-Mg)	80			15	Do	w	Qz	w						
															interpreted as a FG MA Sx selvage - Bx and healed adj. to the EU Mg VN unit. Competent core.														
	c	5	191.30	196.20		W	DKGY	Bx			pot	s	chl	s	WSED(Py,Mg)2-pot,chl	8			7					SLT		40		Cl	
															Distinguished by it's dark colour with hints of GN towards FW contact (pinkish in upper portion of unit) Characteristic sparsely disseminated EU Py (pyritohedrons). Also DI EU FG Mg increased chl alt towards FW contact.														
195																													
			196.20	198.75		FLT	DKGY	SH	BX	GO					FLT	15			10	Do	m	Hb	t						
															Dk broken/SH core w/ minor GO on SH planes. Discontinuous (5%) Do VTs ~0 degreet TCA along SH planes. Increasing Py 3% - MA Py(Mg) at FW. Some pieces on FW side and multiepisodal motheaten WBx w/ BK Hb (hastingsite?). Contacts obscured.														
			198.75	199.44		W	GYBK	Bx			alb	s	chl	tw	Wpy,SED,Mg(Hb)2-alb	20			15	Hb	i			SLT		40	Hb	Ab	Qz
															distinctive BK Hb (hastingsite?) EU MG overprinting Mg which in turn overprints matheated relic clasts. Irregular large 2-5cm patches of Py are interstitial to Hb and Mg. Lt GY interstitial relic SLT? Clasts albitized. Bx texture difficult to see.														
200																													
			199.44	210.90		W	LTGY	Bx	FO	SP	car	f	ser	f	WSED(Mg)2-car,ser,chl	t			3					SLT		35			
															Typical FO (elongated car alt. clasts) w/ a ser (tr chl) alt. matrix. 2 bands (10cm) of 10% EU DI Mg are are noted in this interval but are not deemed representative.														
205																													
210			210.90	211.84		FLT	LTGY	Bx	CR		chl	m			FLT														
															LT GY w/ GY(GN) moderately chloritic matrix.														

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
	184.00	187.00	3.00	C106284	10	257																			
185								185.01	187.45	2.44	65	61.20	2.62	107	1.96	80	12	FR	MS	3	70	1	3		e/Cb
	187.00	190.07	3.07	C106285	10	1620		187.45	190.50	3.05	65	241.00	3.05	100	2.98	98	13	FR	MS	1	45	1	3		Cl/Fe
	190.07	190.54	0.47	C106286	10	6560																			
190	190.54	191.30	0.76	C106287	10	1430		190.50	191.57	1.07	65	210.00	0.95	89	0.52	49	9	FR	MS	5	55	1	3		Cl/Fe
	191.30	194.00	2.70	C106288	<10	672		191.57	192.94	1.37	65	70.20	1.48	108	0.65	47	8	FR	MS	7	50	1	3		Fe
								192.94	194.46	1.52	80	111.00	1.37	90	0.41	27	8	FR	MS	7	50	1	3		Fe
195																									
	194.00	196.20	2.20	C106289	10	508		194.46	198.12	3.66	65	74.30	3.42	93	0.55	15	4	FR	MS	20	30	5	3		Cl
	196.20	198.75	2.55	C106290	10	1660																			
	198.75	199.44	0.69	C106291	10	946		198.12	201.17	3.05	60	58.90	3.12	102	1.22	40	8	FR	MS	10	45	2	3		Cl
200	199.44	202.00	2.56	C106292	<10	201																			
								201.17	202.69	1.52	55	11.70	1.39	91	0.29	19	8	FR	MS	7	45	1	3		Cl/Fe
	202.00	205.00	3.00	C106293	<10	97		202.69	205.74	3.05	60	27.60	2.80	92	1.48	49	10	FR	MS	4	45	1	3		Cl/Fe
205																									
	205.00	208.00	3.00	C106294	<10	130		205.74	208.79	3.05	55	9.69	3.26	107	2.20	72	11	FR	MS	3	45	5	3		Cl/Fe
	208.00	210.90	2.90	C106295	<10	38		208.79	210.31	1.52	60	4.86	1.61	106	0.81	53	10	FR	MS	4	45	5	3		Cl/Cb
210	210.90	211.84	0.94	C106296	<10	89		210.31	211.84	1.53	65	1.54	1.39	91	0.15	10	7	FR	MS	15	75	1	3		Cl/Cb
	210.90	211.84	0.94	C106296	<10	89		211.84	213.36	1.52	60	1.15	1.61	106	0.49	32	7	FR	MS	10	60	5	3		Cl/Cb

Hole: DDH-I-2006-16 **Section:** **Drilling dates:** August 29 - September 2, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			211.84	216.12		W	LTGY	Bx	FO	SP	alb	i	pot	s	WSED(Mg)2-alb,pot	t	t		3	Ab	15	Kf	10	SLT		25			>g
															Characteristic motheaten texture of clasts coredw/ Do-Ak alt. w/ noted FG XL Ab towards rim of clasts, and pinkish Kf at the rims of clasts.															
215	c	45	216.12	221.64		W	GYPK		MO	Bx	pot	30	alb	x	WSED,Mg,Py(Ab,Cp,Ba,Fl)2-pot,alb,car	15	2		20	Ab		Fl	1	SLT		35	Kf	Do	
	VT	20													complex multepisodal, transitional to MgVN (FW). Distinctive salmon pink severe pot alt. texturally complex-heterogenic mineralogically. DK Fl-Ba VT@ 20 degrees TCA.															
220	c	85	221.64	226.65		VN	BKGY	EU			alb	ms	pot	m	VN Mg,Py(Cp,Ba)-alb,pot,car	20	4		50	Ab	ms	Kf	m						
															No Bx texture. EU XL cowded Mg w/ interstitial XL Do(Qz+/-Ba) and irregular blobs/ patches of Py +/-Cp. Mg xtals average 0.75cm in size. Increase Sx content @ contact areas w/ WBx unit below.															
225																													
			226.65	232.00		W	GYBN	ME	MO	Bx	pot	i	alb	s	WSEDMg(Py,Cp)2-pot,alb,car	8	2		20					SED		35	Kf	Ab	Do
															complex multiepisodal transitional to EU Mg 'VN'. This unit has a very obscured Bx texture. Complex FW contact														
230	c	60	232.00	233.00		VN	GY	EU			car	i			VN Mg(Py,Ba)-car	7			35	Ba	m								
	FO	45													CG XL (2-4mm) EU crowded BK Mg in a LT GY/off WH matrix of Do (+/-Ba,+/-Qz). And subhedral pyritohedrons. HW contact. No Bx texture. FO towards gradational FW contact obscured by ~ 45 degree TCA.															
	FO	40	233.00	242.00		W	GYPK	Bx	FO	MT	pot	i	car	w	WSEDHs(Py,Hs,Mg)2-pot,car	5		25	5					SED		30		Kf	Hs
															busy more angular heterolithic /hematitic BXA. Increased pot alt. towards FW contact. Py occurs as distinct MG XL DI. Martite (Hs-Mg) noted in local folioform VN of crowded martite @ 235.35 (3cm wide). The heterolithic Bx for the most part is strongly FO typically 40 degreed TCA. increased FG Hs in matrix towards FW contact. clasts typically intensely pot alt, locally CR indicating reactivation of a structure.															
235																													
240																													
	c	90	242.00	242.25		VN	GY	FG	MT						VN MAHs - Recent structure	1		98		Do	t								
															Non FO, FG massive Hs.														
	c	65	242.25	242.89		FLT	GYBN	SH	CR	Bx	pot	i	alb	s	FLT	t		15						SLT		10		He	Do

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
						213.36	217.93	4.57	80	61.90	4.60	101	2.28	50	9	FR	MS	8	70	1	3	Cl/Cb	
214.00	216.12	2.12	C106298	40	416																		
216.12	219.00	2.88	C106299	20	1800	217.93	220.98	3.05	90	204.00	3.05	100	1.60	52	10	FR	MS	5	50	1	3	e/Cb	
219.00	221.64	2.64	C106300	60	2510																		
						220.98	222.50	1.52	85	289.00	1.60	105	1.13	74	12	FR	MS	3	45	5	3	e/Cb	
221.64	224.00	2.36	C106301	30	8440																		
						222.50	225.55	3.05	80	570.00	3.05	100	2.76	90	13	FR	MS	2	45	5	3	e/Cb	
224.00	226.65	2.65	C106302	40	10400																		
						225.55	228.60	3.05	75	484.00	3.10	102	2.70	89	13	FR	MS	2	45	1	3	e/Cb	
226.65	229.00	2.35	C106303	10	1960																		
						228.60	231.65	3.05	55	198.00	3.05	100	3.05	100	13	FR	MS	2	45	1	3	e/Cb	
229.00	232.00	3.00	C106304	<10	165																		
						231.65	234.70	3.05	70	196.00	3.08	101	2.55	84	12	FR	MS	3	45	2	4	e/Cb	
232.00	233.00	1.00	C106305	10	21																		
BLANK			C106306	<10	6																		
233.00	236.00	3.00	C106307	<10	10	234.70	236.22	1.52	65	1.71	1.53	101	0.67	44	9	FR	MS	6	45	5	3	e/Cb	
236.00	239.00	3.00	C106308	<10	8	236.22	238.66	2.44	65	0.53	2.27	93	0.62	25	9	FR	MS	6	30	5	3	e/Cb	
						238.66	241.40	2.74	65	0.49	2.95	108	1.40	51	8	FR	MS	8	45	5	3	e/Cb	
239.00	242.00	3.00	C106309	10	4																		
242.00	242.25	0.25	C106310	<10	3	241.40	244.45	3.05	75	1.89	3.13	103	1.99	65	12	FR	MS	3	55	1	3	e/Cb	
242.25	242.89	0.64	C106311	<10	3																		
242.25	242.89	0.64	C106311	<10	3																		
242.89	244.50	1.61	C106312	<10	36																		

Hole: DDH-I-2006-16 **Section:** **Drilling dates:** August 29 - September 2, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
	SH	60													Upper 25cm strongly SH, stretched clasts w/ fine dark He rich matrix. CR stretched clasts are pot alt. SH ~ 60 degrees TCA. 5% Do infill. Lower 40cm: large SLT clast, CR and Do injected (8%Hs).																
	c	55	242.89	246.12		W	PK	CM*	Bx		alb	30	pot	x	WAbSED(Hs)3-alb,pot			10		Ab	30	Kf	x	SED		65	Ab	Kf	Hs
															FG EU crowded Ab and pinkish Kf crystals as a mush* interstitial to pot/alb pinkish and grey ragged alt SED clasts. Crystal mush texture (CM). Do+Hs is interstitial to the feldspar xtals. This interval may have been tectonically crushed and then cooked. (Ancient pot/alb alt FLT zone?). Non FO, interval becomes strongly pink w/ increased Do towards the FW contact.																
245			246.12	246.52		VN	BKWH	EU	FO		car	x	alb	s	VN Mg(Ba,Py,Ab)3-car,alb	10			35	Ba	m	AB	M						
															FO strained zone of crowded EU Mg xtals w/ average size of 3mm w/ am off WH matrix of Ba-Py +/-Ab, Do.															
*			246.52	246.78		FLT	WH	SH	CR						FLT	15				Do	80								
*															CR, SH Do, Qz (VN?) w/ interstitial FG Py.														
*			246.78	249.60		*FLT	WHPK								old FLT - Laramide Event Composite Deformed FLT Zone														
*															Divided into 5 sub-intervals 1) DK FG martite crush w/ wispy FG Py SH plane infill - well consolidated SH @ 35 TCA (246.78-247.04m)	7		50		Kf	s	Ab	m	SED		70	Hs		Do
*															2) WH BK Brittle-Ductile deformation of EU crowded Mg VN. (Large fragments brittly deformed)(247.04-247.58).	5		5	35	Ab	s	Kf	s	SED	VN	70	Kf		Do
*															3)Pk tectonized Ab/Kf xtal mush and clasts (247.58-248.41m)			3		Ab	40	Kf	40						
*															4) WH BK brittle-ductile deformation. (EU crowded Mg) VN (248.41-249.00m)	15		5	25	Ab	35	Kf	20						
*															5) PK CR (brittle deformation) large clasts (5-10cm) marked by a CR brittly deformed 3 cm wide Do VN @ 50 degrees TCA. small Fl stringer xcuts clasts @ 50 degrees TCA.	3		8		Ab	20	Fl	t	SED	VN	50	Kf	Ab	Do
	c	30	249.60	249.94		FLT	BKBZ	CR	SH	Bx	chl	ms	car	m	FLT	35		15		Cl	ms	Do	m						
															CR MA Py-Do VN broken and SH (chl faces) core.														
			249.94	259.65		W	GY	EU	Bx		alb	s	car	ms	WSEDMg(Ab,Py)2-alb,car	3			15	Ab	s			SLT		50	Ab	Kf	Do
250															Cooked, non FO, WBx w/ distinct clusters of EU Mg.														
	VN	25				VN	WHBK								(250.90m) 10cm wide Qz-Mg-Do VN @ 25 degrees TCA.				40	Do	40	Qz	20						
255																													
	c	60	259.65	260.35		W	BKPK		Bx		alb	i	car	ms	WSEDMg(Py,Ab)3-alb,car														
															strained, FO zone of VN(EU crowded Mg) and WBx material, tectonized upper half (VN) strongly FO lower half @ 45 degrees TCA.															
260			260.35	266.30		W	GY	ME	Bx		alb	s	pot	ms	WSEDMg(Py)2-alb,pot	3			35	Ab	15	Do	10						

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
244.50	246.12	1.62	C106313	20	8		244.45	245.97	1.52	60	0.27	1.38	91	0.63	41	9	FR	MS	7	45	5	3		e/Cb
							245.97	248.41	2.44	60	14.10	2.38	98	1.71	70	10	FR	MS	5	70	5	3		e/Cb
246.12	246.52	0.40	C106314	<10	11																			
246.52	246.79	0.27	C106315	10	7																			
246.79	249.60	2.81	C106316	20	14																			
249.60	249.94	0.34	C106317	<10	73		248.41	249.94	1.53	60	16.40	1.50	98	1.23	80	13	FR	MS	1	45	5	3		l/Cb
249.94	253.00	3.06	C106318	<10	236		249.94	252.98	3.04	60	38.30	3.04	100	2.03	67	9	FR	MS	6	65	2	3		l/Cb
							252.98	254.51	1.53	60	25.60	1.40	92	0.00	0	7	FR	MS	15	55	5	3		l/Cb
253.00	256.00	3.00	C106319	<10	659																			
BLANK			C106320	<10	2		254.51	257.56	3.05	70	61.00	2.85	93	1.95	64	10	FR	MS	5	60	2	3		l/Cb
256.00	258.65	2.65	C106321	<10	134																			
							257.56	262.13	4.57	70	117.00	4.50	98	3.71	81	11	FR	MS	4	45	5	3		l/Cb
258.65	259.65	1.00	C106322	<10	29																			
259.65	260.35	0.70	C106323	<10	81																			
260.35	263.35	3.00	C106324	<10	374																			

Hole: DDH-I-2006-16 **Section:** **Drilling dates:** August 29 - September 2, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
															Distinguishing feature: clustered MG-CG EU Mg seldom within clasts, along rim of clasts or in matrix. Moth eaten (ME) Bx - weakly FO.
															(264.90) 4cm wide Qz-Mg-Do Vt @ 50 degrees TCA.
	VT	50				VT	WHBK	CG	XL						
265			266.30	275.23		W	BGGY	FO	VN	CR	car	s	ser	w	WSED1-car,ser
															Moderate to locally non FO SLT w/local CR about Ak-Qz VN noted @:
															(268.55m) Qz-Ak VT. 7cm wide @ 65 TCA.
															(269.00m) Ak-Qz 7cm wide @ 80 degrees TCA.
270															
275															EOH 275.23

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
				30	Do	40	Qz	30					
t								SLT		10			Se
				Ak	60	Qz	40						
				QZ	80	Ak	20						

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
							262.13	265.18	3.05	60	199.00
263.35	266.30	2.95	C106325	<10	59						
							265.18	268.22	3.04	60	39.30
266.30	269.30	3.00	C106326	<10	132						
							268.22	269.75	1.53	60	0.64
269.30	272.30	3.00	C106327	<10	87		269.75	272.80	3.05	60	0.47
272.30	275.23	2.93	C106328	<10	173		272.80	274.32	1.52	60	0.26
							274.32	275.23	0.91	60	0.31

GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
3.07	101	2.75	90	12	FR	MS	3	30	2	3	Cl/Cb	
3.00	99	2.03	67	11	FR	MS	4	40	2	3	Cl/Cb	
1.80	118	1.00	65	10	FR	MS	5	50	5	3	Cl/Cb	
2.63	86	2.40	79	12	FR	MS	2	50	5	3	Cl/Cb	
1.68	111	1.39	91	12	FR	MS	2	40	2	3	Cl/Cb	
1.00	110	0.63	69	10	FR	MS	4	60	1	3	Cl/Cb	

IGOR PROPERTY

YUKON URANIUM PROJEC
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517345	7213810	1156	155.14

Casing: depth: 6.10 out

Core Size: btw

Logger: Rick Zuran

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:
Contractor: Superior

Hole: DDH-I-2006-17

Section:

Drilling dates: September 3-13, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	090	-50	Brunton
no	acid	test	conducted

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
			0.00	3.35	3.35	OVB	BN	EA							OVB																						0.00	3.35	3.35	60	-	0.30	9	0.00	0	2	EW	EW	-	-	-	-	-	
															OVB, earthy soil (30%), broken fine core chips.																																																
	FO	50	3.35	5.90	2.55	W	LTBG	Bx	FO	ST	ser		car		WSED(Mg,Py)2-ser,car.oxi moderately FO WBx w/ 10% rusty stains. FO @50 degrees TCA.	1			3					SLT	QTE	30	Se	Qz	Mg	3.35	5.90	2.55	C105951	10	1070		3.35	4.88	1.53	60	3.73	1.22	80	0.56	37	9	MW	MS	6	45	5	4	cl/GO	
			4.88	5.79	0.91	-	-	0.00	0	0.00	0	-	-	-	-	-	-	-	-																																				
5			5.90	8.90	3.00	FLT	BZ	Bx	Sx	VN					FLT - VN Bxa MA Py(Cp) Interpereted as a faulted VN(Mg,Cp) w/ FG MA Py infill. HW contact obscured.	75	5	2	2	Ba	m	Do	m	VN	SLT	80	Py	Do	Ba	5.90	7.00	1.10	C105952	<10	11500		5.79	7.01	1.22	65	0.83	1.21	99	1.15	94	11	MW	MS	3	45	1	3	Li	
																														7.00	8.00	1.00	C105953	<10	12800		7.01	9.14	2.13	65	0.33	2.20	103	1.71	80	11	MW	MS	4	30	5	3	Li	
	C	10	8.90	10.10	1.20	W	ORBG	Bx	FO		oxi	m			WSED1-oxi					Ba	m	Li	ms	SST	SLT	20				8.00	8.90	0.90	C105954	10	5430																				
															Rusty stained WBx w/ a discontinuous Ba-Ak pod (4cm) @ 9.20. No Sx or oxides.															8.90	10.10	1.20	C105955	<10	255		9.14	10.21	1.07	60	0.61	1.07	100	0.46	43	9	SW	MS	7	50	5	3	Li/Cl	
10	C	45	10.10	22.00	11.90	FLT	ORGY	Bx			oxi	m	chl	m	FLT (contains MA Py sub. Int.)															10.10	12.00	1.90	C105956	10	771		10.21	11.43	1.22	65	0.89	1.05	86	0.26	21	8	MW	MS	8	45	5	4	Li/Cl	
															3 part composite FLT w/ central MA FG Py zone.																							11.43	14.02	2.59	60	0.64	2.50	97	0.86	33	6	HW	W	10	60	5	4	Li/Cl	
						FLT	GNOR	Bx			oxi	s	chl	ms	(10.10-12.45m) GN rusty BN strongly oxi FLT BXA. Competent core, 20% interstitial chl alt. Local martite, 1%	1		1	1					SLT	SST	10	Cl	Cb																														
																														12.00	14.00	2.00	C105957	<10	1990																				
	SH	50				FLT	BZ	Bx	FG	MT	fec	ms	oxi	m	(12.45-12.73m) MA FG Py w/ SH/BXA SLT clasts @ 50 degrees TCA	60				Cl	10	Cb	30	SLT		60	Py	Ak	Se																														
						FLT	LTGY	Bx			car	s	chl	f	(12.73-22.00m) LT GY FLT BXA-car. Broken core, brecciated SST				t					SLT		15	Cl																														
																														14.00	16.00	2.00	C105958	<10	414		14.02	16.31	2.29	60	0.35	2.15	94	1.49	65	10	SW	MS	4	60	5	3	Li/Cl	
15																																																															
																														16.00	18.00	2.00	C105959	<10	42		16.31	17.37	1.06	60	0.27	1.00	94	0.40	38	6	HW	W	20	40	5	4	cl/GO	
																														17.37	18.44	1.07	60	0.45	1.03	96	0.12	11	6	MW	W	20	60	1	4	Cl/Li	
																														18.00	20.00	2.00	C105960	<10	19		18.44	20.42	1.98	60	1.23	1.85	93	0.46	23	8	SW	W	10	45	1	4	Cl/Li	
20																																																														
																														20.00	22.00	2.00	C105961	<10	5		20.42	21.64	1.22	55	1.01	1.17	96	0.00	0	6	SW	W	15	55	5	4	cl/Cb	
	C	90	22.00	24.50	2.50	W	GYBG	Bx	FO						WSED(Mg)2-ser,car				7					SLT	QTE	25			Mg								21.64	22.86	1.22	65	3.52	1.15	94	0.85	70	10	FR	MS	5	50	1	3	cl/Cb	
	FO	30													Distinctive FG-MG EU Mg overprinting BXA texture. FO generally 30 degrees TCA.															22.00	24.50	2.50	C105962	<10	20		22.86	25.91	3.05	55	42.10	3.15	103	2.12	70	9	FR	MS	7	40	1	3	cb/Cl	
	VN	40				VN	BK	EU							(23.85-24.25m) VN Mg. crowded CG XL EU Mg in a FG Ak-Ba matrix. 40 degrees TCA.				50	Ak	40	Ba	10																																						
	C	40	24.50	25.95	1.45	FLT	GY	Bx	CR		chl	m	car	f	FLT (Mg)			2	2					SLT	QTE	10	Cl		Mg	24.50	25.95	1.45	C105963	<10	14																				
25															CR SH FLT BXA w/ Cl matrix and MG EU XL Mg overprinting primarily the matrix. HW contact 40 degrees TCA.															25.95	28.00	2.05	C105964	<10	41		25.91	27.43	1.52	60	6.59	1.53	101	0.81	53	10	FR	MS	6	40	5	3	cb/Cl	
						VN	ORBG	EU							(24.65-24.75m) VN Ak Mg-He crowded EU pseudomorphed martite (He rims). This vein has been brecciated at the margins.			10	25	Ak	60																																						
			25.95	32.70	6.75	W	GY	Bx	SH	FO	car	ms	chl	m	WSED2-car,chl				1											27.43	30.48	3.05	55	1.55	2.95	97	1.63	53	10	FR	MS	5	45	5	4	cb/Cl	
															Moderate-weak FO GY wBx w/ minor local chl SH/Bx.															28.00	30.00	2.00	C105965	<10	7																				
	SH	20				SH	GYGN				chl	s			(27.00m) chl SH @ 20 degrees TCA. Minor tectonic Bx texture.					Cl	s																																				
30																																																													
			32.70	33.50	0.80	VN	BKGY	EU	Bx		car	i			VN Mg (Bx)				20	Ba	f	Qz	w							30.00	32.70	2.70	C105966	<10	19		30.48	32.00	1.52	55	2.75	1.50	99	0.86	57	10	FR	MS	5	45	1	3	cb/Cl	

Hole: DDH-I-2006-17 **Section:** **Drilling dates:** September 3-13, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
															Crowded EU CG XL Mg w/ 20% SLT (alt) clasts.
			33.50	42.73	9.23	W	GY	Bx			chl		car		WSED(Hs)1-chl,car
															Characteristically barren WBx w/ trace-2% FG Hs in matrix w/ Cl. Local Aak+/-Do+/-Ba stringers and VTs. All @ 10 degrees TCA.
35															
						VN	ORBG	VN	XL						(37.05m) CG XL Ak VN @ 5 degrees TCA. 10 cm wide.
	FO	35													(38.00-39.50m) numerous stringers (Do) @ 10 degrees TCA. Onse Ba-Do-Ak VN @ 5degrees TCA (3mm) which xcuts FO.
40															
	C	20	42.73	43.93	1.20	VN	BKWH	EU	Bx						VN Ba,Mg(Do,Py)
															predominantly a crowded EU Mg w/ interstitial WH Ba and Do and minor blebby Py. Brecciated contacts w/ some clasts in VN. Sharp contacts. Margin BXA, matrix Hs.
	C	30	43.93	44.81	0.88	FLT	BN	Bx			chl	ms	car	m	FLT - chl
															Wk rusty BN FLT zone w/ Cl-He matrix. Tectonic - competent core. HW contact 60 degrees TCA.
45	C	45	44.81	44.97	0.16	VN	BKWH	EU	Bx		car	f			VN Mg,Ba-car
															Crowded Mg-Ba VN associated w/ SLT clasts and a small 1cm wide xcutting Cp-Do VN.
	C	30	44.97	52.58	7.61	W	GY	Bx	FO		chl	s	car	ms	WSED(Hs,Mg)1-chl,car
	FO	45													WBx w/ minor sub intervals of VN-Mg, Ba in the lower part of the interval. Varying amounts of chl, chl-ser, car and Hs in matrix. Increase in alt. towards FW. VN-Mg,Ba are foliaform @ 45 degrees TCA.
50															
			52.58	56.70	4.12	FLT	DKGY	Bx	SH	EU	chl	s	car	m	FLT + VN + WBx (Mixed)
															Upper third predominantly a chl alt. SH broken core FLT. Middle third predominantly a FG-MG DK Hs cementer rock w/ Ba-Py and VN-Mg,Ba(Cp). Lower third WBx, Ba and FLT material.
55	C	80	55.70	57.05	1.35	VN	LYGY	EU	Bx				oxi	w	VN Ba,Mg(Hs,Py,Cp)
															BK EU CG XL Mg-Hs (martite) in a LT GY Ba matrix. HW contact 80
	C	60	57.05	60.75	3.70	W	DKGY	Bx	HL	FO	chl	s	car	f	WSEDHs2-chl,car
															Distinctive DK FO WBx w/ lower than average clast size and DK Hs (FG) matrix. FO averages 70 degrees TCA. Variable clast make up.
60	FO	75	60.75	64.95	4.20	W	GY	Bx	FO		car	m	chl	f	WSED(Py)2-car,chl
															WBx w/ 3% Do(Ba) VT xcutting FO @ 20 degrees TCA. Lo0cal VT's carry trace Cp.

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
		2		SLT					
3			30	SLT		10	Hs		
t	t	7	7	SLT		15	Cl	He	
	3		35	SLT		60	VN		
		5	3	SLT		15	Cl	Hs	Do
t	t	10	8	Complex					
2	t	6	25						
t		15		SLT	QTE	50		Hs	Do
1	t	3	1	SLT		40			Cl

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	
32.70	33.50	0.80	C105967	<10	6	
33.50	36.00	2.50	C105968	<10	9	
36.00	39.00	3.00	C105969	<10	10	
39.00	42.00	3.00	C105970	<10	31	
BLANK			C105971	<10	2	
42.00	42.73	0.73	C105972	<10	7	
42.73	43.93	1.20	C105973	<10	31	
43.93	44.97	1.04	C105974	<10	66	
44.97	48.00	3.03	C105975	<10	15	
48.00	51.00	3.00	C105976	<10	12	
51.00	52.58	1.58	C105977	<10	11	
52.58	55.70	3.12	C105978	10	464	
55.70	57.05	1.35	C105979	80	1345	
57.05	60.00	2.95	C105980	<10	854	
60.00	60.75	0.75	C105981	<10	466	
60.75	63.00	2.25	C105982	<10	28	

Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
32.00	35.05	3.05	55	12.70
35.05	38.10	3.05	60	0.43
38.10	39.62	1.52	60	0.86
39.62	42.67	3.05	60	18.50
42.67	44.81	2.14	55	63.50
44.81	46.02	1.21	55	11.20
46.02	48.46	2.44	53	2.24
48.46	51.51	3.05	52	4.15
51.51	53.19	1.68	55	20.90
53.19	55.17	1.98	57	3.95
55.17	57.91	2.74	85	17.40
57.91	60.66	2.75	52	0.66
60.66	64.01	3.35	55	0.38

GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness
2.95	97	1.22	40	10	FR	MS
2.82	92	1.42	47	9	FR	MS
1.65	109	1.00	66	9	FR	MS
3.05	100	1.51	50	10	FR	MS
1.92	90	1.62	76	10	FR	MS
1.50	124	1.20	99	13	FR	MS
2.30	94	1.40	57	14	FR	S
3.60	118	3.20	105	10	FR	S
1.49	75	0.77	39	6	FR	S
2.72	99	2.44	89	12	FR	S
2.95	107	2.57	93	12	FR	S
2.66	79	2.18	65	11	FR	S

JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
5	40	5	3	Cb/Cl	
6	45	1	3	Cb/Cl	
6	30	1	3	Cl/Cb	
4	50	1	3	Cl/Cb	
5	35	1	3	Cl	
5	50	5	3	Li/Cl	
6	45	5	3	Cl	
3	42	5	4	Cl	
2	22	5	3	Cl	
-	-	-	-	Bk	
4	36	5	3	Cl	
3	50	5	4	Cl	
6	50	5	4	Cl	

Hole: DDH-I-2006-17 **Section:** _____ **Drilling dates:** September 3-13, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
	VT	20													(63.90m) VT Ba,Do(Cp) 1cm wide @ 20 degrees TCA.
	c	60	64.95	65.85	0.90	W	DKGY	Bx	FO		fec	ms			WHsSED(Py,Ba)3-fec
															DK, hi matrix component WBx. Strained FO Bx texture @ HW/FW. HW contact 60 degrees TCA.
65	c	70	65.85	66.95	1.10	/N/FLT	BGWH	Bx	CR	ST	fec	m	alb	m	VN Ba,Py(Cp,He-Mg) - FLT
															ST BXA off WH FLT'd Ba (+/- Sx/Ox). VN LT off WH BG, clasts cracked, SH and ST at 60 degrees TCA. Most of Ba FG in matrix. Py (FG DI) overprints clasts-also in matrix. Large EU relic Mg (martite) overprints the strain texture of clasts and matrix. Cp in cores of martite.
			66.95	74.98	8.03	W	DKGY	Bx			alb	ms	pot	ms	WHsSED(Py,Ba)3-alb,pot,car
															Distinctive DK GY Hs rich FG matrix w/ a small size fraction (crush) clast size in upper half of interval (3mm) getting larger towards bottom half of interval (3cm). Clasts are Alb, alt-pot, or pinkish pot alt. Some Wk car locally noted.
70															
			74.98	78.33	3.35	FLT	RDGY	Bx			chl	w			FLT
															heterolithic, broken core. Healed 'old' fault. Competent core and broken core. Clasts 80% SLT, 15% JAS and 5% SST. Contacts obscured.
75															
	LA	40	78.33	80.63	2.30	SST	RDGY	BD	LA	GD	car	w			SST (few JAS, SLT int.beds)
															FG equigranular arcosic?? Thin bedded to laminated sandstone/arenite. 30% local brick red jasper colour along bedding. Py occurs as scattered 1-2mm pyritohedrons. (80.45m) graded LA @ 40 degrees TCA. Tops towards surface.
80			80.63	85.20	4.57	SLT	GY	BD	CR		alb	m	car	w	SLT (minor SST interbeds)
															poorly bedded, gradational contact w/ units above and below. CR w/ poorly Brecciated texture towards bottom of interval. Py as MG-CG EU DI XL. Hs as v. FG grains interstitial to SST/SLT grains.
															(83.25-83.75m) massive section w/ irregular blemishes (RD) - iron oxide staining.
85			85.20	87.30	2.10	SST	GY	BD	LA	FG	alb	m	car	w	SST
															planar bedded/laminated alb-arenite. Tops toward surface (up hole). Locally graded.
	LA	45													(87.00m) LA at 45 degrees TCA. Graded minor 5% carbonate hairline fillings. Trace Py as rare MG XL pyritohedrons.

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity
5		40		Ba	f		
15	1	3	2	Ba	i	Ab	m
3	t	40		Ba	f	Ab	m
	t	5					
1		2					
2		5					
t		3					

BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
QTE	SLT	70	Si	Hs	Py
SED		60	Ba	Py	Ab
SED		60	Hs	Qz	Ba
SLT	JAS	30		Hs	Do

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)
63.00	64.95	1.95	C105983	10	208
64.95	68.00	3.05	C105984	<10	4680
67.06	69.80	2.74			
68.00	71.00	3.00	C105985	<10	485
69.80	71.02	1.22			
71.00	74.00	3.00	C105986	<10	123
74.00	74.98	0.98	C105987	<10	19
74.98	78.33	3.35	C105988	10	548
78.33	78.74	0.41	C105989	10	156

Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
64.01	67.06	3.05	52	1.01
67.06	69.80	2.74	52	1.04
69.80	71.02	1.22	67	0.54
71.02	73.15	2.13	65	0.56
73.15	74.98	1.83	67	0.85
74.98	76.50	1.52	68	0.50
76.50	78.33	1.83	70	0.39
78.33	79.86	1.53	67	0.47
79.86	81.99	2.13	67	0.25
81.99	83.82	1.83	80	0.41
83.82	86.41	2.59	77	0.37
86.41	89.31	2.90	65	0.54

GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness
3.32	109	3.27	107	9	FR	S
2.55	93	2.33	85	13	FR	S
1.09	89	0.62	51	9	FR	S
2.04	96	2.00	94	10	FR	S
1.79	98	1.36	74	10	FR	S
1.18	78	0.38	25	13	FR	S
1.43	78	0.46	25	7	FR	S
2.62	171	2.18	142	6	FR	S
0.80	38	0.14	7	9	FR	S
1.46	80	1.09	60	13	FR	S
2.63	102	1.84	71	10	FR	S
2.72	94	2.20	76	13	FR	S

JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
4	35	5	4	Cl	
2	45	5	3	Cl	
4	60	1	3	Cl	
4	22	1	4	Cl	
2	30	1	3	Cl	
8	40	5	3	Cl	
5	55	5	4	Cl	
4	28	5	3	Cl	
1	60	5	4	Cl	
2	49	5	4	Cl	
5	40	5	3	Cl	
6	30	5	3	Cl/Cb	

Hole: DDH-I-2006-17 **Section:** **Drilling dates:** September 3-13, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
			87.30	103.55	16.25	SLT	GY	MA	LA	FG	alb	tw	car	w	SLT (minor JAS, sandy SST)
															Generally GY MA, locally sandy LT GY LA thin bedded subintervals. Increased He/Hs in sandy interbeds.
90															(88.90-89.00m) RD JAS
	LA	30													(90.50m) sandy JAS LA @ 30 degrees TCA
															(90.60m) Fold
	LA	30													(94.35m) graded sandy LA @ 30 degrees TCA xcut by Do VT @ 60 TCA. Tops facing down.
95															
	LA	45													(99.50-99.80m) sandy JAS LA @ 45 degrees TCA.
100															(100.50-102.00m) disrupted, 5% local Do infill. Local JAS.
	LA	55													(102.00-103.55m) sandy beds LA @ 55 degrees TCA.
	BD	70	103.55	105.82	2.27	JAS	RD	MA	BD	CR	sil	x			JAS
															brick red, generally extremely FG MA JAS-bloodstone. Wk. CR tex. W/ tr. Do infill (hairline). Also local v. FG He infill. LA-BD @ 70 deg. TCA at (105.30m)
105			105.82	110.50	4.68	SST	RDGY	FG	LA						SST/SLT (JAS)
															Mixed interval of FG LT BG-GY thin to LA SST interlaminated/bedded with brick red JAS (BD) and GY SLT. Sparse 0.5cm EU Py (2%) crystals throughout interval. Numerous hairline and VT stringers @ 0-5 deg. TCA throughout this interval.
	LA	70													(106.20m) ball and pillow sructure w/ grading (tops) down. LA @ 70 deg. TCA.
110			110.50	117.85	7.35	SLT	GY	FG	MA		sil	ms			SLT (JAS)
															MA to mottled GY-DK GY SLT w/ sub-intervals of brick red JAS. Local CR texture, Do VT and infill Do +/-Ba+/-tr. Cp @ 0-5 deg. TCA in central part of interval.
115															
			117.85	119.25	1.40	JAS	RD	MA	CR	Bx	sil	s			JAS
															brick red v. FG DR and brecciated JAS. Becoming more brecciated towards FW. Non FO. Clasts are deep RD. Matrix a RD BN. Py as CG EU XL cubes up to 3mm across. 3% Do hairline FX fillings thru interval.
	C	50	119.25	121.01	1.76	FLT	GY	SH	GO	Bx	chl	m	cly	ms	FLT + FLT BXA

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity
t		5					

Hole: DDH-I-2006-17 **Section:** **Drilling dates:** September 3-13, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
	SH	50													Broken and SH chl alt. SLT w/ HW contact @ 50 deg. TCA. Minor GO. Second half of interval: FLT BXA, nonFO, competent core. Clasts 70% GY sa cly alt. SLT clasts, 30% brick red JAS clasts. Matrix DK and FG.																																														
120			121.01	125.58	4.57	SLT	GYBN	MA	CR		car	f			SLT	2		5																			121.01	122.42	1.41	65	0.38	1.81	128	1.45	103	12	FR	S	3	40	1	4	Cl	
															GY BN FG SLT. CR w/ Do fill (10%) of upper half of interval. Py as CGEU pyritohedrans sparsely DI through interval.																																													
																																					122.42	125.58	3.16	70	0.36	2.08	66	1.62	51	12	FR	S	4	25	1	3	Cl	
125			125.58	140.40	14.82	JAS	RD	MA	CR		sil	s	car	w	JAS																							125.58	127.71	2.13	70	0.36	2.00	94	1.60	75	12	FR	S	3	40	5	3	Cl	
															RD to RD BN v. FG generally MA JAS. CR texture common. Local BD. Do (+/-BA, +/-rare Cp) 5-10% as stringers and veinlets throughout section. Some Do as CG 4mm GY xtals overprinting JAS matrix. SH FW contact. Upper half of interval contains 5% 2-5cm areas of Hb-Ca(Ab?) alteration assemblages. lower half has an increased CR/Do stringers tex.																																														
																																					127.71	130.45	2.74	70	0.32	2.53	92	1.69	62	10	FR	S	4	45	5	3	Cl	
130																																				130.45	132.28	1.83	67	0.41	1.70	93	1.24	68	12	FR	S	3	25	5	3	Cl	
																																				132.28	135.33	3.05	93	0.41	2.73	90	2.30	75	14	FR	S	12	33	5	5	Cl	
135																																				135.33	136.86	1.53	73	0.22	1.32	86	0.97	63	10	FR	S	9	30	5	3	Cl	
																																				136.86	138.99	2.13	73	0.25	2.13	100	1.48	69	10	FR	S	6	26	5	5	Cl	
	BD	45													(138.00-140.00m) thin to LA GD BD @ 45 deg. TCA.tops facing down.																							138.99	139.90	0.91	68	0.26	0.81	89	0.42	46	9	FR	S	7	35	5	4	Bk	
	SH	10													(140.00m) SH plane w/ GO @ 10 deg. TCA. FW contact.																							139.90	141.43	1.53	68	0.29	1.17	76	0.76	50	9	FR	S	8	40	5	4	Bk	
140	BD	50	140.40	141.37	0.97	SLT	RDGY	CR			sil	s	alb	w	SLT			5																		

Hole: DDH-I-2006-17 **Section:** _____ **Drilling dates:** September 3-13, 2006

Depth (m)	Struct.		LITHOLOGY								ALTERATION					MINERALS								BRECCIA						ASSAYS							Blocks			Radiometrics (average)	Magnetics	GEOTECHNICAL							JOINTS						
											Prim.		Sec.												Clasts		Matrix																	REC		RQD												
	Type	Attitude	From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	Type	Intensity	Type	Intensity	Notes:	Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	Primary	Second	Percent	Primary	Second	Minor	From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		From (m)	To (m)	Intvl. (m)			(m)	Percent	(m)	Percent	Breakage	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
																																			149.66	151.94	2.28	65	0.36	2.09	92	1.72	75	14	FR	S	2	35	5	4	Cl	
150																																																					
			151.43	155.14	3.71	FLT	GY	Bx	GO		cly	50	chl	ms	FLT			5					WBx		50	cly	chl									151.94	153.31	1.37	70	0.33	1.03	75	0.32	23	6	FR	S	5	35	5	5	Cl	
															significant structure broken into 2 sub-intervals:																																													
															(151.43-153.50m) Broken core of brecciated (WSEDHs1-chl) w/ 10% cly-chl.																							153.31	153.92	0.61	63	0.24	0.50	82	0.12	20	2	FR	S	-	-	-	-	-	
															(153.50-155.14m) crushed/SH WBx. ~50% LT GY cly GO. SH angle ~ 10-30 deg. TCA.																							153.92	155.14	1.22	68	0.23	0.64	52	0.37	30	3	FR	S	-	-	-	-	-	
155															EOH 155.14 m																																									

IGOR PROPERTY

YUKON URANIUM PROJEC
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517345	7213710	~1178	270.66

Casing: depth: 4.57 out

Core Size: btw

Logger: Rick Zuran

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:
Contractor: Superior

Hole: DDH-I-2006-18

Section:

Drilling dates: September13-22, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	090	-60	Brunton
124.97	-	-57.5	Acid

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
			0.00	4.57	4.57	OVB									OVB			5	5	Ba	s																0.00	3.35	3.35	60	11.40	1.10	33	0.50	15	6	MW	MS	2	60	3	3	GO	
															Casing starts in bedrock at 4.57m depth. Core broken, some in longer 15-20cm pieces w/ broken VN Ba (He-mg).																																																
	VT	35	4.57	9.31	4.74	QTE	LTGY	MG			pot	f	alb	f	QTE		t	4	3	Ba	t									4.57	6.57	2.00	C106601	<10	293		3.35	4.88	1.53	55	7.66	1.38	90	0.53	35	6	MW	MS	5	60	3	3	GO	
															FG-MG equigranular, weak to fair pot /alb altered LT GY QTE w/ He-Mg (martite) overprinting. Martite as 3mm EU xtals, 7% of interval. FW contact marked by a 1cm wide planar VT of Ba(Do,Mg,Cp) @ 35 degrees TCA.																																																
5																														6.57	8.57	2.00	C106602	10	31		6.25	7.62	1.37	60	0.50	1.30	95	0.54	39	9	SW	MS	3	45	3	3	GO	
																																				7.62	10.67	3.05	60	2.04	2.83	93	1.06	35	9	SW	MS	5	40	3	3	Cy	
																														8.57	10.57	2.00	C106603	<10	192																				
	C	35	9.31	12.18	2.87	W	GY	Bx	DE		alb	s			WSEDHe-Mg(Ba)2-alb			15	10	Ba	s			SLT	QTE	20	Ab	Mg	Ba																															
															Variably brecciated, FO and DE GY WBx. FO DE towards HW cont act. Increased martite overprints. FO @ 50 degrees TCA after 10.67m. Noted strong albitization towards HW contact. Increasing FG-MG Ba in matrix and as isolated VT's																																															
10	FO	50													after 10.67.															10.57	12.18	1.61	C106604	<10	70		10.67	12.34	1.67	65	14.60	1.85	111	1.38	83	10	SW	S	5	45	3	3	Cy	
			12.18	14.05	1.87	FLT	GYBN	CR	SH		alb	s	oxi	t	FLT															12.18	14.05	1.87	C106605	30	311		12.34	14.94	2.60	70	2.60	2.45	94	0.77	30	3	HW	W	10	60	3	3	Fe	
															CR, SH broken core. Albitized FG QTE/SLT. HW contact @ 60 degrees TCA-sharp. SH and CR.																																														
	C	45	14.05	16.28	2.23	QTE	GYBN	MO	FX		alb	s			QTE															14.05	14.94	0.89	C106606	20	1170		14.94	16.46	1.52	65	57.80	1.20	79	0.63	41	6	MW	MS	6	30	3	3	Fe	
															Primarily an albitized and mottled QTE w/ MG DI overprints (Locally along FO) of MG-also as irregular 3-5cm patches w/ py centres towards FW. HW contact 45																																														
15	C	40	16.28	16.84	0.56	VN	BK	MA	XL		fec	s	car	w	VN He-Mg(Cp,Si)MA	1	8	40	40	Si	s	Do	tw							16.28	16.84	0.56	C106608	<10	6960		16.46	19.35	2.89	65	80.80	3.05	106	0.75	26	13	SW	S	2	40	1	3	Fe	
															this may be the WBx same as the unit below, however, it is MA w/ no Bx texture. 2% of hairline FX fillings of Do noted. Massive matrix comprised of weakly magnetic martite (He-Mg) Cp and Si matrix. FW contact blends into iron rich WBx.																																															
	C	45	16.84	22.40	5.56	W	GY	EU	Bx	PA	alb	i	car	w	WMg-HeSEDPy(Cp)2-alb,car	10	2	10	40					SLT	QTE	35	obscured			16.84	18.84	2.00	C106609	<10	6140																				
																													18.84	20.84	2.00	C106610	<10	646																				

Hole: DDH-I-2006-18 **Section:** **Drilling dates:** September13-22, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
															DK GY BK to LT GY thick interval of Fe-rich overprinted WBx-locally massive, often semi-massive, locally<20% Fe. Large 1-2cm EU Mg-martite phenos in a strongly albitized WBx texture partly obscured. Irregular patches of Py(1-4cm) and Cp. Cp abundant in first metre from HW contact. Generally non FO except towards HW contact and where high Fe content contrasts zones of low Fe content. Texture variable but generally exibits crowded EU Mg-martite overprinting obscured off WH albitization SLT/QTE clasts.																																																	
20																															20.84	21.84	1.00	C106611	<10	366																						
																															21.84	22.40	0.56	C106612	<10	441																						
			22.40	23.00	0.60	FLT	GYBN	SH	GO		alb	m			FLT	3			8	Ba	w										22.40	23.00	0.60	C106613	<10	461	22.40	25.91	3.51	70	7.65	2.08	59	1.40	40	3	MW	MS	5	10	3	3	Cy	
															GY BN broken core + 15% FY GO. Lithology WBx-alb w/ local Py and Ba as spots or VT's.														23.00	24.50	1.50	C106614	<10	782																						
			23.00	26.33	3.33	W	GY	Bx	CR		alb	s			WSEDPy(Mg)2-alb	15			8					SLT		30				24.50	26.33	1.83	C106615	<10	1035																						
25															GY weakly FO WBx w/ Py blebs along FO (@30 degrees TCA). Bx texture partly obscured bu overprints.																							25.91	28.04	2.13	70	70.00	2.62	123	2.55	120	14	SW	S	1	45	3	3	Cb	
	C	45	26.33	32.80	6.47	W	DKGY	ME	MO	Bx	alb	s	fec	m	WMgSEDPy2-alb,fec,chl	15	t		40	Si	f	Ba	f	SLT		40	Mg	Py	Si	26.33	28.04	1.71	C106616	20	799																				
															DK GY BK Fe-rich interval identical to (16.84-22.40m) except less Cp. Moth eaten (ME) and obscured Bx texture by overprinting Mg/Py and alteration, alb and local Ak-Si. Fe as locally MA to commonly semi MA crowded EU large phenocrysts. (1-1.5cm). Py as irregular patches and blobs (1-5cm) and clisters of MG pyritohedrons. 5% Do(Ba) stringers through this region. HW contact 45degrees TCA.																																																	
																														28.04	28.96	0.92	C106617	10	483																						
																														28.96	29.72	0.76	C106618	<10	165	28.04	28.96	0.92	55	41.40	1.36	148	1.25	136	9	SW	S	2	45	3	3	Cb	
																														29.72	31.22	1.50	C106619	<10	720	29.72	32.00	2.28	55	30.00	1.93	85	1.40	61	9	SW	S	2	45	3	3	Cb	
30																																																							
	VN	80	32.80	32.95	0.15	VN	RDBN	XL							VN Ba(Cp)		1			Ba	99										31.22	32.80	1.58	C106620	<10	198																						
															CG tabular crystalline Ba VN w/ trace -1% blebby Cp.														32.80	32.95	0.15	C106621	<10	1490	32.00	34.90	2.90	65	11.20	2.77	96	2.40	83	13	SW	S	4	45	5	5	Cb	
			32.95	36.45	3.50	W	BK	ME			alb	s	car	m	WHe-Mg,Py(SED,Cp,Ba)MA-alb,car	10	1	30	20	Ba	m	Do	f	Mg		60	Mg	Ab	Do	32.95	34.90	1.95	C106622	<10	128																				
															Fe-rich interval of MA (HW) to semi-MA martite (He-Mg) replacing obscured clases Bx texture. Decreasing Fe conten towards FW.														34.90	36.45	1.55	C106623	<10	100	34.90	36.58	1.68	70	14.50	1.87	111	1.48	88	13	SW	S	4	45	5	5	Cb	
35			36.45	37.34	0.89	W	GY	Bx	DE	SH	alb	i			WSED(Py,He-Mg)2-alb	3	t	4	2	Ab	i			SLT		50																													
															GY DE SH albitized WBx includes a faulted/VN Ba sub-interval. (36.35-36.60m) FLT/VN Ba-CG XL w/ broken core.														36.45	37.34	0.89	C106624	<10	189	36.58	37.34	0.76	70	4.31	0.70	92	0.45	59	13	SW	S	6	60	1	3	Cb	
	C	35	37.34	37.92	0.58	W	Bk	MA			alb	s			WMg,Py(Cp,Ab)MA-alb	15	5		75	Ab										37.34	37.92	0.58	C106625	<10	200	37.34	38.86	1.52	70	18.20	1.44	95	1.35	89	13	SW	S	6	60	1	3	Cb	

Hole: DDH-I-2006-18 **Section:** **Drilling dates:** September13-22, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
															BK MA Fe-rich interval w/ significant Py as blobs along FO @ 45 degrees TCA. Cp as minor blobs. Interstitial areas to Fe is a GY Ab(Ba?). Elongated Ab phenos noted (twinned). HW contact 35 degrees TCA. 15cm wide FLT Bx @ FW contact. Competent core. Could be a vN or WBx.																			37.92	39.92	2.00	C106626	20	82																				
			37.92	49.85	11.93	W	PKGY	Bx	MO		pot	x	alb	x	WSEDMg(Cp,Py,Ba,Ab)2-pot,alb	3	2		12	Ba	m	Ab	s	SLT		30	Kf	Ab	Ba	39.92	42.00	2.08	C106627	<10	56																						
															Generally a pinkish extremely pot-alb altered WBx w/ increasing Cp towards FW contact w/ VN Ba. Irregular areas of cululate black subhedral Mg overprints. Bx texture obscured but present. Mant Mg clusters have cores of Cp. Increase Do VT's 0 degrees TCA associated w/ Cp near FW contact.																																																		
40																																				41.15	44.20	3.05	70	15.90	2.60	85	2.12	70	11	SW	S	1	30	1	3	A	
																															42.00	44.20	2.20	C106628	<10	313																				
																															44.20	46.20	2.00	C106629	<10	1500	44.20	47.24	3.04	75	10.80	3.04	100	2.75	90	14	SW	S	1	50	1	3	A	
45																															46.20	47.24	1.04	C106630	30	9210																				
																															47.24	47.80	0.56	C106631	50	6220	47.24	49.07	1.83	70	3.25	1.80	98	1.25	68	12	SW	S	5	5	5	3	Cb	
																															47.80	49.85	2.05	C106632	30	7120																				
	VN	70	49.85	50.30	0.45	VN	PKWH	CG	XL		chl	s			VN Ba(Cp,Qz)-chl		5		5	Ba	60	Qz	10							49.85	50.30	0.45	C106633	20	>10000	49.07	51.36	2.29	90	1.17	1.90	83	0.97	42	12	SW	S	5	5	5	3	Cb	
															Pinkish CG XL Ba VN w/ assoc. Qz and 1cm blobs of Cp. VN ~70 degrees TCA. DK infill of Cl-Mg also noted.																			50.30	51.36	1.06	C106634	250	4050																				
50	FO	50	50.30	57.91	7.61	SLT	GYBN	FG	CR	MO	chl	m	ser	m	SLT - altered	3	1		7											51.36	53.36	2.00	C106635	70	3790	51.36	54.25	2.89	80	4.45	2.75	95	1.93	67	13	SW	S	7	45	5	3	A	
															GY BN pervasive moderate chl-ser alat. CR throughout w/ weak Bx texture @ FW contact. Noted irregular pockets of Py and Cp. FG Dl and sub-EU Mg-He and Mg noted. No bedding, v. wk. FO @ 50 degrees TCA.																			53.36	54.25	0.89	C106636	70	1025																				
																															54.25	55.47	1.22	C106637	50	601	54.25	55.47	1.22	85	9.87	1.28	105	0.85	70	10	SW	S	7	30	1	2	A	
55																															55.47	57.00	1.53	C106638	40	568	55.47	57.00	1.53	80	3.91	1.35	88	0.60	39	14	SW	S	4	35	1	2	Cb	
	VT	10	57.91	60.68	2.77	FLT	RDBN	CR	Bx		sil	i	car	s	FLT	4	t	8						JAS	CHT					57.00	57.91	0.91	C106639	50	75	57.00	57.91	0.91	85	0.97	0.85	93	0.34	37	9	SW	S	8	30	5	3	Cb	
															Brittle DE-CR w/ wk. Bx texture. Infill of Hs w/ Do increasing as VT's toward FW. Fragments silicified (JAS-RD BN) and a local deep mustard yellow (GREEN) cht? Volcanic CHT? Contact w/ lower unit is via a icm wide VT Do(Ba,Cp) @ 10 degrees TCA.																			57.91	59.44	1.53	C106640	80	29	57.91	59.44	1.53	95	0.70	1.27	83	0.70	46	8	SW	S	8	30	5	3	Cb	
																															59.44	60.68	1.24	C106641	20	31	59.44	61.42	1.98	85	0.76	2.15	109	1.60	81	12	SW	S	2	60	1	3	Cb	
60	C	10	60.68	63.22	2.54	JAS	RDBN	CR	MA		sil	x	car	ms	JAS															60.68	62.00	1.32	C106642	30	692																				
	FO	70													RD BN CR w/ Do infill. Generally MA. Local FO in middle of interval @ 70 degrees TCA.																			61.42	64.47	3.05	80	0.61	2.93	96	1.58	52	11	SW	S	7	45	1	3	Cb	
																															62.00	63.22	1.22	C106643	10	45																				
	C	50	63.22	73.35	10.13	W	RDBN	Bx	SP		car	30			WJAS,SED(Hs)2-car		1	5						JAS	SLT	35	Do	Hs	Cp	63.22	64.92	1.70	C106644	10	69	64.47	64.92	0.45	75	0.11	0.28	62	0.00	0	3	MW	W	50	45	5	4	GO	

Hole: DDH-I-2006-18 **Section:** **Drilling dates:** September13-22, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
															Generally non-FO well developed heterolithic Bx with up to 30% WH sub-EU speckled (SP) Do pheno's (2-3mm) throughout unit. Clasts are primarily RD to RD BN JAS but also include GY-DK GY-GY BN SLT and lesser FG GY SST/QTE. Cp as FG DI associated w/ car alt. trace-1%.
65															
70															
	C	50	73.35	73.46	0.11	FLT	DKGY	SH	GO		chl	s			FLT
															chl alt. broken chips w/ minor <10% GYGO.
75			73.46	77.15	3.69	SLT	RDBN	CR	BD	Bx	car	f			He SLT
															RD-RD BN-DKGY RD BN SLT, CR and brecciated and interbedded (thin) w/ FG Hs increasing towards FW contact w/ WBx. Unit radioactive in CR zone. This unit is v. similar in appearance to JAS but not silicious. WH Do EU xtal overprints in middle of interval.
															(74.30m) 1000 cps
	C	70	77.15	83.20	6.05	W	RDBN	Bx	SP		car	30			WJAS,SED(Hs)2-car
															Identical to interval (63.22-73.35m) but no Cp noted.
80															
	SH	45	83.20	84.00	0.80	FLT	GY	SH	GO		chl	i	car	s	FLT - chl, car
															GY SH and brecciated FLT zone w/ chl and stringer VT's of Do alteration. SH 45 degrees TCA.
	C	45	84.00	85.28	1.28	DIA	GNGY	MG	OP		chl	x	car	ms	DIA - chl, car
															intrusive dyke w/ FLT on HW contact. 10% feather FX w/ Do (rare Cp) infill. Py as trace DI in DIA. DIA strongly altered (not magnetic) but retains intrusive texture.
85			85.28	94.35	9.07	SLT	GY	MA	CR	Bx	chl	ms	car	ms	SLT - ser(chl), car
															Pale GY ser-car altered siltstone w/ locally strong subintervals of Bx w/ Cl matrix - 2% of entire interval. FG DI martite (He-Mg)-pervasive local VNs of. Cl and crowded EU Mg. (minor Cp).
	LA	20													(86.60-86.80m) LA jigsaw BX.
	VN	60													(88.45-88.55m) VN-Cl 5cm wide VN w/ angular jigsaw breccia. (SLT) Matrix 70% DK GY CL. 60 degrees TCA. Py interstitial W/ thin Cl.
															(88.70-89.40m) Jigsaw Bx CR zone w/ DK Cl matrix.
90	VN	80													(90.58-90.78m) DK crowded EU Mg-Do (Cp) VN and overprint 85 degrees TCA. VN Mg(Do,Ba,Cp).
			94.35	94.68	0.33	FLT	GY	Bx	CR		chl		ser		FLT

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity

Hole: DDH-I-2006-18 **Section:** _____ **Drilling dates:** September13-22, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
															Pale GY ser alt. fragments w/ 30% DK Cl matrix.
95	FO	30	94.68	96.85	2.17	W	GY	Bx	FO		ser	ms	fec	m	WSED(Py,He-Mg)2-ser,fec
	SH	25													pale GY moderately FO WBx FW sheared at 25 degrees TCA.
	C	60	96.85	101.10	4.25	FLT?	DKGY				chl	30	car	ms	FLT
															healed Py(Mg-He) Cl rich very dark interval Fe rich. Martite-pyrite (minor Cp). Alt. DIA?? V. dark martite breccia texture not evident, discontinuous xcutting Do VT's @ 0degrees TCA.
100															
	C	40	101.10	113.65	12.55	W	BGGY	Bx			ser	s	car	m	WSED(Py,He-Mg)1-ser,car
															pale BG Do, GY Se Wbx. He-Mg (martite) as FG DI decreasing down from HW. Py as FG masses interstitial to clasts increasing towards FW contact. HW contact 40. Degrees TCA.
105															
110															
	C	5	113.65	159.05	45.40	FLT	GYBF	Bx	CR	GO	cly	ms	chl	m	FLT - Major
															Large structure: 2 sections with many subintervals within each: 1) Upper section (113.65-149.60m) GY to DK GY FLT w/ local Cl, sil/Py healed injection zones, CR breccias and GY GO. 2) Lower section (149.60-159.05m) LT pale BF GY brecciated and broken QTE and GO.
115	C	5				FLT	GNGY	Bx			chl	75	ser	s	**1) UPPER SECTION** (113.65-115.00m) chl-rich, HW contact @ 5 degrees TCA. Ser alteration of SLT/Bx clasts.
	SH	10				FLT	GY	Bx			sil	s	ser	f	(115.00-118.50m) sil healed FLT Bx. Ser alt. at lower end, interstitial Py.
															(188.50-188.70m) 60% FG Py w/ discont. Cb VTs and altered fragments. Strain (FO) texture @ 50 degrees TCA.
120															
															(121.00-122.00m) Large off WH QTE fragments
						FLT	GY	Bx			sil	x	ser	m	(122.00-122.50m) Silica flooded interval. Grades to a ser alt. interval.
	FO	90				FLT	DKGY				sil				(123.05-124.50m) sil-Py zone. Py FG and interstitial to frag. Dominantly sil alt, local ser alt. Minor SH/FO fabric within Py generally around 90 degrees TCA.

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity
95	3		1	1				
100								
	20	t	1	1				
105								
110								
					Cl	75	Se	s
115								
	15							
	60							
120								
	5							
	25				Ak	m		

Depth (m)	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
95						
100						
	SLT		15	Se	Cb	Py
105						
110						
	SLT		60	Cl	Se	Py
115						
120						
	SLT		15	Py		
	SLT	QTE	30	Py		

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)
95						
100						
105						
110	110.00	111.25	1.25	C106413	10	26
	111.25	112.03	0.78	C106414	10	200
	112.03	113.65	1.62	C106415	10	41
	113.65	114.80	1.15	C106416	20	20
	114.80	116.29	1.49	C106417	10	70
115						
	116.29	118.26	1.97	C106418	10	114
	118.26	119.26	1.00	C106419	20	43
	119.26	121.01	1.75	C106420	20	1090
120						
	121.01	122.62	1.61	C106421	<10	240
	122.62	124.00	1.38	C106422	10	335
	124.00	125.27	1.27	C106423	10	116
	125.27	126.49	1.22	C106424	20	807

Depth (m)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
95	94.49	96.32	1.83	75	0.58	2.07	113	0.71	39	8	SW	MS	4	25	5	4	Cy	
	96.32	97.38	1.06	65	0.63	0.94	89	0.24	23	5	HW	W	20	27	5	4	GO	
	97.38	99.52	2.14	60	0.78	1.95	91	0.43	20	3	HW	W	7	28	5	5	GO	
100	99.52	102.11	2.59	65	13.60	2.76	107	0.41	16	7	FR	S	9	25	5	4	Cy	
	105.16	108.20	3.04	60	0.27	3.05	100	2.28	75	13	FR	S	4	32	5	3	Cl	
	102.11	103.02	0.91	70	1.12	0.90	99	0.11	12	4	SW	MS	5	20	5	4	Cy	
	103.02	105.16	2.14	70	0.65	2.13	100	1.02	48	10	FR	S	5	35	5	3	Cl	
105	105.16	108.20	3.04	60	0.27	3.05	100	2.28	75	13	FR	S	4	32	5	3	Cl	
	108.20	110.64	2.44	60	0.22	2.59	106	1.54	63	11	FR	MS	6	27	5	4	Cl	
110	110.64	111.25	0.61	65	0.14	0.54	89	0.10	16	7	FR	MS	6	25	5	4	Cl	
	111.25	114.30	3.05	60	0.34	2.71	89	1.19	39	10	FR	S	5	40	5	4	Cl	
	114.30	115.82	1.52	60	0.30	1.53	101	0.72	47	12	FR	S	5	40	5	4	Cl	
115	115.82	118.26	2.44	75	0.23	2.48	102	1.56	64	12	FR	S	4	32	5	3	Cl	
	118.26	121.01	2.75	70	0.19	2.47	90	1.27	46	14	FR	S	4	27	5	3	Cl	
120																		
	121.01	122.62	1.61	55	0.26	1.47	91	0.91	57	13	FR	S	4	45	5	4	BK	
	122.62	124.97	2.35	75	0.34	2.38	101	2.23	95	11	FR	S	3	35	5	4	BK	
	124.97	125.27	0.30	60	0.12	0.15	50	0.00	0	4	FR	W	-	55	5	3	BK	

Hole: DDH-I-2006-18 **Section:** **Drilling dates:** September13-22, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
						VT	BGWH	PA							(125.40-125.60m) VT Do-Qz(Cp). 2cm wide @ 10 degrees TCA		2			Ak	i	Qz	x																																
125																															126.49	127.41	0.92	C106425	<10	65	125.27	126.49	1.22	65	0.51	0.95	78	0.35	29	9	FR	S	12	35	5	4	BK	
	FO	70				FLT					sil	i	alb	s	(125.70-125.85m) FO Py (sil-alb) zone @ 70 degrees TCA.	30				Qz	m																																
																														BLANK			C106426	10	69	126.49	127.41	0.92	65	0.27	0.75	82	0.25	27	7	FR	W	10	28	5	4	Cy	
						FLT	LTGY	Bx	CR		sil	i	chl	f	(127.41-128.47m) sil CR FLT BXA. Tight dark matrixw/ chl ser. FG QTE clasts, silica flooded (alb alt.???)	t								QTE		10	Cl	Se	Py																								
																														127.41	128.47	1.06	C106427	10	65	127.41	128.47	1.06	65	0.20	0.90	85	0.24	23	7	FR	S	5	55	5	5	Cy	
						FLT	BZ	Bx	MT		sil	s			(128.47-128.60m) sil-Py zone. FG Py MA w/ Qz clasts.	70				Qz	20			Qz		80	Py	Qz																								
																														128.47	129.54	1.07	C106428	20	1820	128.47	129.58	1.11	70	0.41	1.04	94	0.10	9	7	SW	MS	4	55	1	3	Cy	
						VT	BGBN	Bx	Vt		chl	s	fec	s	(128.80-129.00m) faulted, Do-Qz(Cp) VT.																			129.54	131.00	1.46	C106429	70	1000	129.58	130.45	0.87	-	-	0.65	75	0.31	36	9	SW	MS	4	40	5	4	Cl	
						FLT	GNBZ	SH	GO		chl	i			(130.45-131.00m) chl broken core.																							130.45	130.76	0.31	70	0.38	0.20	65	0.00	0	4	SW	W	-	-	5	4	GO	
130																																																						
						FLT	BNBZ	Bx	GO		chl	s			(131.00-131.98m) Cp-rich FLT Bx w/ **radioactivity 450 cps**. Cp irregular patches to angular clasts.	10	8			Cl	i			SLT		15	Cl	Cp																								
																														131.00	131.89	0.89	C106430	330	>10000	130.76	131.98	1.22	80	1.27	0.92	75	0.00	0	9	MW	MS	10	25	5	5	GO	
						FLT	BNBG	Bx			fec	s	chl	s	(131.98-135.65m) Sx-fec-chl-sil-alt. re-brecciated, healed, mineralized, crushed and brecciated.	8	3			Cl	s	Ak	s	SLT	QTE	20		Py	Cl																								
																														131.89	133.48	1.59	C106431	10	1610	131.98	134.72	2.74	75	0.24	2.96	108	1.09	40	11	SW	S	8	45	5	5	GO	
																														133.48	134.01	0.53	C106432	20	222																		
																														134.01	137.01	3.00	C106436	20	130	134.72	137.16	2.44	70	0.24	2.23	91	1.03	42	12	SW	S	6	40	5	4	GO	
	FO	50				FLT									(153.65-136.10m) sil-Py injected zone FO @ 45-90 degrees TCA. Py FG.	35				Qz	50	Cb	m																														
135																																																					
	SH	5				FLT	GY	Bx	SH	GO	cly	60	chl	30	(137.50-138.99m) SH/FLT GO @ 5 degrees TCA.																			137.01	139.6	2.59	C106437	30	449	137.16	138.68	1.52	70	0.24	1.00	66	0.00	0	3	MW	W	-	-	5	4	GO	
																																						138.68	138.99	0.31	70	-	0.18	58	0.00	0	3	HW	W	-	-	5	5	GO	
																														139.6	142.04	2.44	C106438	10	836	138.99	139.60	0.61	75	6.91	0.60	98	0.00	0	4	SW	MS	9	35	5	5	GO	
	FO	60				FLT	GYBZ	Bx			chl	m	car	w	(140.00-144.75m) FLT/BX and rehealed by Py rich FLT Bx. Weak, local Do(Ba,Cp) infill. Py FO generally at 60 degrees TCA.	60	t			Do	f	Ba	w	SLT	Py	70	Py	Cl	Do																								
140																																																					
																														142.04	144.78	2.74	C106439	20	390	142.04	142.95	0.91	70	1.08	0.95	104	0.26	29	9	SW	MS	8	40	5	4	GO	
																																						142.95	144.75	1.80	70	0.38	1.85	103	0.13	7	6	MW	MS	9	35	5	5	GO	
	SH	10				FLT	GY	Bx	SH	GO	cly	m	chl	m	(144.78-149.60m) generally comprises tectonically Bx core/broken core/chips with chl ser SH planes @ 10 degrees TCA. Local FG MA Py infill (5%of interval).	10				Cb	w	Cl	m	SLT		10	Cl	Se	Py																								
																														144.75	146.91	2.16	60	0.18	1.91	88	0.83	38	7	SW	MS	10	45	5	5	Cl	
145																																																				
																														146.91	147.82	0.91	60	0.11	0.77	85	0.30	33	10	SW	MS	9	34	5	4	Cl	
																														147.82	149.49	1.67	-	-	1.45	87	0.23	14	9	SW	W	5	15	5	4	Cl	
	SH	5				FLT	LTBF	SH	GO	Bx	chl	ms	ser	ms	2) LOWER SECTION (149.60-159.05m) relatively mineralized. LT off WH pale BF 50% GO and cly, 25% fine crushed core, 25% broken core. V. FG silty QTE, v. light in colour. SH 5 degrees TCA.	1				Cl	ms	Se	ms																														
150																															149.49	151.49	2.00	65	0.13	1.91	96	0.00	0	6	MW	W	-	-	5	5	Cl/GO	
																														151.49	153.01	1.52	75	0.03	0.84	55	0.12	8	2	MW	W	-	-	5	5	GO	
																														153.01	154.53	1.52	70	0.10	1.21	80	0.00	0	6	MW	W	-	-	5	5	GO	
																														154.53	155.75	1.22	70	0.22	0.80	66	0.13	11	3	MW	MS	5	45	2	3	Cl/Cy	
155																															155.75	156.05	0.30	70	0.05	0.23	77	0.00	0	6	SW	MS	-	-	5	4	Cl/Cy	
																														156.05	156.97	0.92	70	0.26	0.80	87	0.15	16	6	SW	MS	13	55	5	4	Cl/Cy	
																														156.97	158.50	1.53	70	0.07	0.87	57	0.00	0	9	SW	MS	26	60	5	4	Cl/Cy	
																														158.50	158.65	0.15	70	0.05	0.33	220	0.10	67	7	SW	MS	-	-	5	4	Cl/Cy	
	BD	15	159.05	167.70	8.65	QTE	LTBF	FG	BD		ser	w			QTE															158.65	160.02	1.37	70	0.16	1.25	91	0.41	30	7	SW	MS	24	45	5	4	Cy	

Hole: DDH-I-2006-18 **Section:** _____ **Drilling dates:** September13-22, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
160															Pale light off WH to BF colour, locally thin bedded QTE. From middle to end of interval, BD deforms from 15 degrees TCA to 0 degrees TCA. QTE shows a moderate CR texture within 1m of HW contact. QTE generally FG w/ 20% silt (ser) content. Equigranular w/local BF coloured thin beds. otherwise MA-thick bedded, unmineralized.
165															
	SH	5	167.70	173.74	6.04	FLT	LTBF	SH	GO	CR	cly	ms	oxi	t	FLT
															SH FG QTE w/ 15% LT off WH to LT BF coloured GO. v. wk Li. SH and GO planes and CR FX @ 5 degrees TCA.
170															
			173.74	176.65	2.91	QTE	LTBF	FG	MA		ser	w			QTE
															Pale off WH-BF coloured FG meakly ser alt. QTE. Wk. CR tex. @ obscured and broken FW contact.
175															
	SH	10	176.65	190.65	14.00	FLT	GYBF	SH	CR	Bx	cly	w	ser	w	FLT
															SH QTE w/ crushed, broken and brecciated sub-intervals. Unmineralized. v. rare Py assoc. w/ hairline Do-Ak FX fillings. Consistent SH along cly-alt layers 0-10 degrees TCA.
180															
185															
190	SH	10	190.65	194.70	4.05	QTE	LTBF	FG	CR	S	ser	w			QTE
															pale off WH_BF coloured weakly ser alt. QTE. SH plane @ 193.00m @ 10 degrees TCA.
	SH	5	194.70	195.38	0.68	FLT	GY	SH	CR	Bx	chl	m	ser	w	FLT
195															faulted FG GY QTE w/ minor DK GY SH. Do as CR infill (3%)-trace Cp associated.
	SH	5	195.38	267.40	72.02	QTE/SH	DKGY	BD	SH	DE	car	f	cly	f	QTE/SH

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
160														
165														
					Li	t								
170														
175														
	t													
180														
185														
190														
		t												
195														

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
160								160.02	161.09	1.07	70	0.24
								161.09	162.00	0.91	60	0.10
								162.00	163.22	1.22	65	0.09
								163.22	164.74	1.52	65	0.11
								164.74	165.51	0.77	70	0.02
165								165.51	166.12	0.61	60	0.09
								166.12	166.57	0.45	65	0.02
								166.57	167.34	0.77	70	0.11
								167.34	168.10	0.76	65	0.11
								168.10	169.47	1.37	65	0.04
170								169.47	170.99	1.52	65	0.09
								170.99	173.74	2.75	65	0.14
								173.74	175.11	1.37	70	0.11
175								175.11	176.78	1.67	65	0.36
								176.78	178.46	1.68	70	0.18
								178.46	180.75	2.29	70	0.09
180								180.75	182.27	1.52	65	0.10
								182.27	183.18	0.91	70	0.15
								183.18	185.32	2.14	70	0.34
185								185.32	186.23	0.91	70	0.02
								186.23	187.76	1.53	70	0.02
								187.76	189.89	2.13	65	0.18
190								189.89	190.20	0.31	70	0.08
								190.20	192.02	1.82	70	0.21
								192.02	194.16	2.14	60	0.17
								194.16	195.38	1.22	65	0.07
195								195.38	196.29	0.91	60	0.16
								196.29	197.82	1.53	65	0.17

Depth (m)	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
160	0.88	82	0.00	0	6	SW	MS	8	70	5	3	BK	
	1.00	110	0.00	0	9	FR	S	-	-	5	3	BK	
	1.17	96	0.15	12	6	FR	MS	19	20	5	3	BK	
	1.49	98	0.33	22	6	FR	MS	14	20	5	3	BK	
	0.45	58	0.00	0	4	FR	MS	-	-	5	3	BK	
165	0.57	93	0.00	0	6	FR	MS	25	15	5	4	BK	
	0.35	78	0.00	0	4	FR	MS	-	-	5	3	BK	
	0.54	70	0.00	0	3	SW	S	-	-	5	4	BK	
	0.75	99	0.00	0	6	SW	MS	-	-	5	3	BK	
	0.90	66	0.00	0	3	SW	MS	-	-	5	5	BK	
170	1.92	126	0.12	8	3	SW	W	18	23	5	4	BK	
	1.50	55	0.49	18	10	SW	MS	6	20	5	4	BK	
	1.25	91	0.33	24	7	SW	MS	26	35	5	4	BK	
175	1.48	89	0.58	35	9	SW	S	20	55	5	4	BK	
	1.45	86	0.14	8	5	SW	MS	25	30	5	4	BK	
	2.17	95	0.67	29	7	FR	MS	26	50	5	4	BK	
180	1.28	84	0.38	25	8	FR	MS	22	45	5	4	BK	
	0.82	90	0.23	25	8	FR	MS	10	25	5	3	BK	
	1.85	86	0.93	43	10	FR	MS	19	40	5	4	BK	
185	1.46	160	0.16	18	3	FR	MS	-	-	5	4	BK	
	1.50	98	0.36	24	9	FR	MS	21	21	5	4	BK	
	1.86	87	1.47	69	13	FR	S	11	20	5	4	BK	
190	0.19	61	0.00	0	6	FR	MS	-	-	5	4	BK	
	1.89	104	1.34	74	12	FR	MS	5	27	5	4	GO	
	2.17	101	1.53	71	10	FR	MS	7	20	5	4	GO	
	1.15	94	0.10	8	9	FR	MS	14	35	5	4	GO	
195	0.77	85	0.00	0	6	FR	MS	23	45	5	4	GO	
	1.27	83	0.40	26	10	FR	MS	13	50	5	4	GO	

Hole: DDH-I-2006-18 **Section:** **Drilling dates:** September13-22, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:
	BD	5													SH interbedded GY FG QTE (locally CR w/ 5% Do infill) and DKGY to BK SH. 25% of interval SH @ 0-5 degrees TCA. BD waffles at sub parallel to paralell angle to SH. 10% GO on low (0-15 degrees TCA) angle slip planes w/ minor Bx. Unmineralized interval. Some QTE subintervals mod. sil. Hairline Do infill throughout interval (5%).
200															
205															
210	BD	0						BD							(209.00m) BD @ 0 deg. TCA
215															
220	BD	0						BD							(216.00m) BD @ 0deg. TCA DE
225								SH	GO						(219.76m) SH GO and Bx
230	BD	5						SH BD							(226.00m) SH plane @ 25 deg. TCA + GO (226.50m) BD @ 5 deg. TCA
235	BD	5						BD							(230.50m) BD @ 5 deg. TCA
240															
245								Bx							(245.00-245.50m) heterolithic Bx/WBx. HW contact @ 20 deg. TCA (Cp w/ Do infill).
250	LA	0													(245.50-247.00m) Predominantly a silty laminated Gy(LT) QTE, DE LA @ 0 deg. TCA.
															(251.40m) DE thin SH beds @ 0-10 deg. TCA.

MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity

BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor

Hole: DDH-I-2006-18 **Section:** **Drilling dates:** September13-22, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
	LA	0									oxi	w			(254.50-256.49m) solid run of FG LT GY LA QTE. DK GY 1mm wide waffling LA @ ~0 deg. TCA.	t		t																			254.51	256.49	1.98	55	0.29	1.97	99	0.63	32	10	FR	MS	9	27	1	2	BK	
255																																																						
															(256.49-267.40m) BK weakly graphitic SH chips.																							256.49	258.01	1.52	55	0.02	1.02	67	0.00	0	4	FR	MS	-	-	5	3	BK	
																																					258.01	258.78	0.77	65	0.01	0.40	52	0.00	0	4	FR	MS	-	-	5	3	BK	
																																					258.01	258.78	0.77	65	0.01	0.40	52	0.00	0	4	FR	MS	-	-	5	3	BK	
																																					258.78	259.99	1.21	65	0.04	1.04	86	0.00	0	4	FR	MS	-	-	5	2	BK	
260																																					259.99	260.60	0.61	-	-	0.00	0	0.00	0	4	FR	MS	-	-	5	2	BK	
																																					260.60	262.13	1.53	60	0.07	0.83	54	0.00	0	5	FR	MS	-	-	5	3	BK	
																																					262.13	263.35	1.22	65	0.16	0.70	57	0.00	0	5	FR	MS	-	-	5	3	BK	
																																					263.35	265.79	2.44	60	0.14	1.97	81	0.00	0	4	FR	MS	-	35	5	3	BK	
265																																					265.79	267.00	1.21	60	0.14	0.90	74	0.15	12	6	FR	MS	-	-	5	4	BK	
	FLT	60	267.40	267.70	0.30	FLT	GY	SH			chl	m	car	m	FLT									SST	Qz		Cl	Do																										
															GY SH fabric/brecciated w/ heterolithic SST and Qz fragments.																							267.00	268.68	1.68	60	0.34	1.20	71	0.10	6	6	FR	MS	10	55	5	4	BK	
			267.70	270.66	2.96	W	GY	Bx			car	m			WSED1-car									SST			Do											268.68	269.75	1.07	65	0.41	1.10	103	0.52	49	10	FR	MS	6	30	5	3	BK	
															non FO GY Bx, unmineralized. Fragments are different varieties of SST.																							269.75	270.35	0.60	65	0.44	0.40	67	0.10	17	7	FR	MS	-	27	5	3	BK	
270															EOH 270.66 m																							270.35	270.66	0.31	65	0.10	0.20	65	0.00	0	5	FR	MS	-	-	5	3	BK	

IGOR PROPERTY

YUKON URANIUM PROJEC
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517345	7213710	~1178	31.20

Casing: depth: 7.62 out

Core Size: btw

Logger: Rick Zuran

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:
Contractor: Superior

Hole: DDH-I-2006-19

Section:

Drilling dates: September 23-27, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	120	-50	Brunton
NO	ACID	TEST	ABANDONED

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
			0.00	8.20	8.20	SLT	LTGY	CR	FG		oxi	f			SLT	t													0.00	3.00	3.00	C106351	<10	202		0.00	5.49	5.49	60	1.10	1.15	21	0.10	2	5	MW	W	6	70	1	3	BK	
															LT GY (BG) CR and broken SLT (v. FG QTE). Rare blobby FG Py.																																											
																													3.00	6.00	3.00	C106352	20	2010																						
5																																					5.49	7.01	1.52	50	0.95	0.60	39	0.27	18	7	MW	W	4	40	1	3	BK	
																													6.00	8.20	2.20	C106353	10	118																						
																																				7.01	8.53	1.52	55	0.53	0.65	43	0.12	8	7	SW	W	6	50	3	3	BK	
			8.20	14.35	6.15	W	PKGY	MO	Bx		chl	ms	car	m	WSED(Hs-Mg)2-chl,car	t		8	4			SLT		40		Cl	Hs	8.20	10.00	1.80	C106354	<10	94		8.53	10.67	2.14	55	1.70	1.50	70	0.70	33	11	SW	MS	8	60	4	3	BK	
															DK GY mottled obscured Bx texture w/ off speckled Do (car) and chl-Hs, Mg mix in matrix.																																										
10																													10.00	14.35	4.35	C106355	<10	358		10.67	13.72	3.05	60	4.87	1.95	64	0.74	24	12	SW	MS	4	65	4	4	CB	
			14.35	14.75	0.40	VN	GYBK	MA							VN He-Mg(Py)MA	7		60	30	Do	m																13.72	15.24	1.52	55	16.10	1.35	89	0.98	64	12	SW	MS	5	70	2	3	CB	
															Dark martite rich 'VN', weakly magnetic w/ interstitial irregular patches of Py. Blends into crowded martite WBx.																																										
15			14.75	20.83	6.08	W	PKGY	EU	Bx		car	m	alb	w	Whe-MgSED(Py)2-car	3	t	30	30	Do	m			SLT		40	He	Mg		14.35	16.00	1.65	C106356	<10	713		15.24	17.83	2.59	60	9.02	2.35	91	1.78	69	14	SW	MS	3	60	3	3	CB	
															Fe-rich interval. Crowded sub EU martite overprinting abscured Bx texture, possibly weak albitized clasts?																																										
																													16.00	18.00	2.00	C106357	<10	326																						
																																				17.83	18.29	0.46	55	5.76	0.35	76	0.59	128	11	SW	MS	5	60	4	4	CB	
																													18.00	20.00	2.00	C106358	<10	436		18.29	19.81	1.52	55	20.50	1.40	92	1.14	75	10	SW	MS	5	80	4	4	CB	
																																				19.81	21.34	1.53	55	14.80	1.57	103	1.08	71	15	SW	MS	2	30	5	5	CB	
20			20.83	28.48	7.65	VN	GYBK	MA							VN He-Mg(Py)MA	8		40	45	Do	f									20.00	20.83	0.83	C106359	<10	1050																						
															DK MA martite rich 'VN'. Magnetism increases toward FW of interval.																																										
																													20.83	23.00	2.17	C106360	10	734		21.34	22.86	1.52	55	22.10	1.42	93	1.18	78	14	SW	S	2	70	4	4	CB	
																																				22.86	24.38	1.52	55	69.50	1.35	89	1.05	69	14	SW	S	3	80	4	4	CB	
																																				24.38	27.43	3.05	65	78.20	2.40	79	2.10	69	14	SW	S	3	70	4	4	BK	
25																													25.00	26.00	1.00	C106362	<10	739																						
																													26.00	28.58	2.58	C106363	<10	621																						
																																				27.43	28.96	1.53	65	362.00	1.50	98	1.28	84	11	SW	S	3	90	4	4	BK	
			28.48	31.20	2.72	W	GYBN	BX	MO		pot	ms	alb	m	WSEDHe-Mg2-pot,alb	t		15	5			SLT		35	Kf	Ab		28.58	29.00	0.42	C106364	<10	215		28.96	30.48	1.52	65	9.85	1.52	100	1.10	72	13	SW	S	3	80	2	3	BK	
															GY BN, local pot alt. moderately magnetic He-Mg (MG-DI).																																									
																													29.00	30.00	1.00	C106365																						
30																													30.00	31.20	1.20	C106366	<10	54		30.48	31.20	0.72	60	1.76	0.75	104	0.27	38	5	SW	S	15	70	2	3	BK	
															EOH 31.20 m																																								

IGOR PROPERTY

YUKON URANIUM PROJEC
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517159	7213697	1182	57.50

Casing: depth: 17.37 out

Core Size: btw

Logger: Rick Zuran

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:
Contractor: Superior

Hole: DDH-I-2006-20

Section:

Drilling dates: September 28-October 3, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	012	-50	Brunton
NO	ACID	TEST	ABANDONED

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
			0.00	4.88	4.88	OVB	LTBG	FG			ble	ms	oxi	ms	OVB	4				Do	f															0.00	4.27	4.27	50	0.43	0.63	15	0.13	3	4	MW	MS	10	30	5	4	Li	
															Primarily broken core comprising LT BG, bleached FG paled SLT (ser altered) w/ DI Li stain along FX (RD BN) FG Py along FX and interstitial to SLT.																																																		
			4.88	11.25	6.37	SLT	LTBG	FG	BD	CR	ble	ms	oxi	m	SLT - blr,oxi,ser																								4.27	4.88	0.61	50	0.17	0.80	131	0.14	23	4	MW	MS	10	30	5	4	Li	
5															Pale LT BG thin bedded locally CR w/ weak interstitial Li strain. Local fair pale ser alt.																								4.88	7.62	2.74	55	0.24	1.93	70	0.65	24	8	SW	S	8	45	2	2	BK	
																																					7.62	9.75	2.13	60	0.11	0.28	13	0.00	0	7	SW	S	10	45	2	2	BK	
																																					9.75	11.28	1.53	60	0.28	0.85	56	0.00	0	4	SW	S	10	60	5	5	BK	
10	BD	35													(10.00m) thin BD @ 35 deg. TCA.																																														
			11.25	32.92	21.67	FLT	BNGY	FG	Bx		oxi	ms			FLT	7		2		Li	ms	Do	m	SLT		10	He	Do										11.28	12.80	1.52	65	0.07	0.15	10	0.00	0	4	HW	MS	30	-	5	5	Li	
															DK (rusty) BN GY, milled, broken, and brecciated alt SLT core. Angular tectonic Bx @ 14.75m. Do and He infill. Dark Li, Mno2, stains on FX surfaces. Py v. FG DI throughout, alt. to Li locally. HW and FW contacts obscured.																								12.80	14.33	1.53	65	0.56	0.20	13	0.00	0	4	HW	MS	30	-	5	5	Li	
																																					14.33	17.37	3.04	65	0.73	0.85	28	0.00	0	6	HW	MS	20	70	5	5	Li	
15																																																							
																																					17.37	20.73	3.36	60	0.65	0.50	15	0.00	0	6	HW	MS	30	45	5	5	Li	
20																																					20.73	22.25	1.52	65	1.30	0.09	6	0.00	0	5	HW	MS	35	60	5	5	Li	
																																					22.25	25.30	3.05	-	-	0.00	0	0.00	0	-	-	-	-	-	-	-	-	
25																																					25.30	28.35	3.05	70	0.29	0.24	8	0.12	4	5	HW	MS	40	45	5	5	Li	
																																				28.35	31.39	3.04	60	0.39	0.34	11	0.00	0	8	HW	MS	15	60	4	4	BK	
30																																																					
																																				31.39	32.92	1.53	60	0.31	0.10	7	0.00	0	6	HW	MS	20	60	4	4	BK	
			32.92	57.50	24.58	W	DKGY	MO	Bx		pot	ms	alb	ms	WSEDHe(Py)2-pot,alb	5	t	25	5					SLT		30	He	Kf	Ab	32.92	35.50	2.58	C103651	<10	11		32.92	34.44	1.52	65	0.21	0.75	49	0.32	21	12	SW	S	8	80	2	3	BK	
															Variable interval of mottled dark Bx, locally obscured. Generally high % of FG He in matrix. Lighter sub intervals w/ increased pot alt. Darker sub-intervals w/ increased He in matrix. Clasts are ser alt. at top of interval w/ predominantly pot, alb alt. further down hole.																																																			
																																				34.44	35.97	1.53	65	0.16	1.40	92	0.85	56	13	SW	S	5	45	3	3	BK	
35																															35.50	38.00	2.50	C103652	<10	2		35.97	37.49	1.52	70	0.62	1.42	93	0.85	56	12	SW	S	5	50	1	2	BK	
																																				37.49	39.01	1.52	60	0.49	1.55	102	0.75	49	12	SW	S	4	40	1	2	BK	
																														38.00	41.00	3.00	C103653	<10	4																							
																																				39.01	40.54	1.53	60	1.08	1.27	83	1.03	67	13	SW	S	6	60	3	4	BK	
40																																				40.54	42.06	1.52	60	0.93	1.70	112	1.05	69	14	SW	S	8	40	3	4	BK	

Hole: DDH-I-2006-20 **Section:** _____ **Drilling dates:** September 28-October 3, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
45																														
50																														
55																														
															EOH 57.50 m															

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
41.00	44.00	3.00	C103654	<10	4																		
						42.06	43.58	1.52	60	1.90	1.40	92	1.10	72	13	SW	S	0	65	4	3	BK	
						43.58	45.11	1.53	55	1.50	1.55	101	1.23	80	14	SW	S	3	70	2	3	BK	
44.00	47.00	3.00	C103655	<10	2																		
						45.11	46.63	1.52	55	1.26	1.44	95	1.15	76	14	SW	S	3	70	2	3	BK	
						46.63	48.16	1.53	65	1.64	1.54	101	1.38	90	14	SW	S	3	70	2	3	BK	
47.00	50.00	3.00	C103656	<10	2																		
						48.16	51.82	3.66	60	1.77	1.53	42	1.10	30	10	SW	S	4	70	3	3	BK	
50.00	53.00	3.00	C103657	<10	1																		
						51.82	53.34	1.52	60	1.55	2.90	191	2.35	155	12	SW	S	3	70	3	3	BK	
53.00	56.00	3.00	C103658	<10	12	53.34	54.86	1.52	65	1.45	1.50	99	0.45	30	10	SW	S	8	60	2	3	BK	
						54.86	55.47	0.61	65	0.56	1.38	226	0.67	110	10	SW	S	8	60	2	3	BK	
						55.47	56.39	0.92	65	2.41	1.45	158	1.07	116	14	SW	S	2	60	2	3	BK	
56.00	57.50	1.50	C103659	10	55	56.39	57.50	1.11	60	0.40	1.10	99	0.60	54	12	SW	S	5	60	2	3	BK	
BLANK			C103660	10	2																		

IGOR PROPERTY

YUKON URANIUM PROJEC

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517159	7213697	1182	44.42

Casing: depth: 19.81 out

Core Size: btw

Logger: Rick Zuran

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:

Contractor: Superior

Hole: DDH-I-2006-21

Section:

Drilling dates: October 3-6, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	012	-50	Brunton
NO	ACID	TEST	ABANDONED

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	
			0.00	10.10	10.10	OVB									OVB																				
															No core.																				
5																																			
10	BD	70	10.10	11.25	1.15	SLT	LTBG	FG	Bx		ble	m	oxi	f	SLT	3																			
															Pale BG, bleached, weakly oxi SLT (ser altered). Locally CR, some FO fragments.																				
			11.25	29.25	18.00	FLT	YWOR	EA	GO	Bx	oxi	x			FLT																				
															FLT zone comprising several sub-intervals.																				
							YW	EW	GO		cly	x			(11.25-12.00m) pale LT YW EA GO (JA)					JA	60														
							BN	Bx			pot	s			(12.00-13.72m) FLT Bx, pot alt. SLT w/ interstitial FG decomp. Li-Py. Clasts of alt pot, alb alt. SLT.	10								SLT		15	Py	Li								
15																																			
							OR	EW	GO		oxi	35			(13.72-16.00m) Primarily an EA OR BN (rusty) oxidized soil, GO w/ broken and oxidized core chips (alt SLT).					Li	35															
							LTBG	CR			ble	m			(16.00-20.00m) CR and brecciated pale bleached SLT with up to 15% interstitial FG Py.	15								SLT		15	Py	Li								
20							BN				oxi	m			(20.00-29.00m) milled core of various breccias and SLT. Local oxidized pieces. HW and FW contacts obscured.																					
25																																			
			29.25	44.42	15.17	W	DKGY	Bx	MO		pot	ms	alb	ms	WSEDHe(Py)2-pot,alb	3		25	5											29.25	32.00	2.75	C103661	16	<10	
30															Variable interval w/ generally DK He-rich matrix pot-alb alt. SLT clasts. Increasing pot/alb alt. clasts toward bottom of interval.																					
																														32.00	35.00	3.00	C103662	7	10	
35																														35.00	38.00	3.00	C103663	3	<10	
																														38.00	40.00	2.00	C103664	6	20	
40																														40.00	42.00	2.00	C103665	6	10	
																														42.00	44.42	2.42	C103666	4	10	
																														BLANK			C103667	5	10	
															EOH 44.42 m																				

Depth (m)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
	0.00	8.61	8.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5																		
	8.61	9.14	0.53	70	0.21	0.53	100	0.00	0	7	SW	S	0	-	5	3	BK	
	9.14	10.67	1.53	65	0.32	0.72	47	0.26	17	9	SW	MS	4	65	3	3	BK	
10	10.67	12.19	1.52	95	0.21	0.19	13	0.00	0	2	HW	W	0	-	5	4	Li	
	12.19	13.72	1.53	90	0.47	0.53	35	0.14	9	9	MW	S	2	-	5	3	BK	
	13.72	15.24	1.52	75	0.71	1.35	89	0.10	7	2	HW	MS	0	-	5	4	Li	
15	15.24	16.76	1.52	110	0.48	0.65	43	0.00	0	2	HW	VW	0	-	5	4	BK	
	16.76	18.29	1.53	65	0.57	0.68	44	0.34	22	9	MW	S	4	70	5	3	BK	
	18.29	19.81	1.52	85	0.96	0.80	53	0.18	12	9	HW	W	3	40	5	4	BK	
	19.81	21.34	1.53	75	0.57	0.48	31	0.38	25	12	SW	MS	2	70	5	3	BK	
20																		
	21.34	22.86	1.52	75	0.03	0.39	26	0.00	0	6	FR	S	0	-	5	3	BK	
	22.86	24.38	1.52	65	0.05	0.15	10	0.00	0	4	FR	S	0	-	5	3	BK	
	24.38	25.91	1.53	75	0.11	0.40	26	0.00	0	4	FR	S	0	-	5	3	BK	
25	25.91	27.43	1.52	70	0.02	0.32	21	0.00	0	6	MW	S	0	-	5	3	BK	
	27.43	28.96	1.53	60	0.20	0.02	1	0.00	0	4	MW	S	0	-	5	3	BK	
	28.96	30.48	1.52	60	0.99	1.45	95	0.68	45	13	FR	S	9	50	5	4	BK	
30	30.48	32.00	1.52	55	1.26	1.23	81	0.79	52	13	FR	MS	7	20	5	3	BK	
	32.00	33.53	1.53	65	0.45	1.59	104	0.70	46	9	MW	MS	8	50	5	3	BK	
	33.53	35.05	1.52	60	0.55	1.48	97	1.36	89	13	FR	MS	7	60	5	4	Cb	
35	35.05	36.57	1.52	60	0.53	1.81	119	1.01	66	12	FR	S	9	60	5	4	BK	
	36.57	37.62	1.05	70	0.87	2.40	229	0.56	53	9	SW	S	0	-	5	4	BK	
	37.62	41.15	3.53	60	0.35	1.15	33	0.20	6	7	SW	S	0	55	5	4	BK	
40																		
	41.15	42.37	1.22	50	0.33	0.91	75	0.10	8	9	SW	S	6	40	5	4	BK	
	42.37	44.20	1.83	60	1.63	1.27	69	0.62	34	8	FR	MS	9	50	1	3	BK	
	44.20	44.42	0.22	55	0.72	0.23	105	0.00	0	6	FR	MS	3	50	5	4	BK	

IGOR PROPERTY

YUKON URANIUM PROJEC

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517491	7213740.881	1267.859	49.38

Casing: depth: 9.75 out

Core Size: btw

Logger: Rick Zuran

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:

Contractor: Superior

Hole: DDH-I-2006-22

Section:

Drilling dates: October 8-12, 2006

SURVEY

Depth	Azi.	Dip	Method
Collar	300	-65	Brunton
NO	ACID	TEST	ABANDONED

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			1.10	4.00	2.90	OVB									OVB														
															Broken and milled predominantly relatively unaltered SLT core.													
			4.00	45.90	41.90	W	GY	Bx	FO		car	ms	ser	m	WSED(Hs)1-car,ser			3		Do	ms			SLT	QTE	15			Do
5															Generally GY, mod. Ser alt, car alt BX comprising wk-mod FO clasts typically at low angles TCA (0-10 deg.) of GY SLT. Minor subhedral Do FG-MG overprints and minor FG Hs as FX infill. Planar Do infill.													
	FO	5													(6.10m) FO clasts @ 5 deg TCA														
10																													
															(11.00m) FO clasts @ 0 deg TCA														
15																													
															(17.50m) FO clasts @ 0 deg TCA														
20																													
															(24.00m) FO clasts @ 5 deg TCA														
25																													
30																													
35																													
40																													
45	C	30	45.90	46.65	0.75	W	GYBK	Bx	FO		car	ms			WHeSED3-car	1		70		Do	ms			SLT		80	He	Do	
	FO	45													semi massive He-rich dark Bx w/ speckled (off WH) Do (8%)-observed 'hidden' Bx texture. Rare Ba along FO														
	C	45	46.65	46.95	0.30	VN	BK	MA							VN He MA	1		95		Do	f	Ba	f							
															BK MA FG He w/ minor Do(Ba?) Py														
			46.95	49.38	2.43	W	GYBK	Bx			car	ms	alb	m	WSEDHe2-car,alb	1		20		Do	ms	Ab	m	SLT						

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
								0.00	1.10	1.10	-	-	0.00	0	0.00	0	-	-	-	-	-	-	-	-	-
								1.10	1.52	0.42	35	0.13	0.40	95	0.37	88	10	FR	S	4	45	5	4	Li	
								1.52	4.57	3.05	30	0.15	2.40	79	0.77	25	7	FR	S	8	50	5	4	BK	
								4.57	6.10	1.53	30	0.14	1.45	95	0.75	49	7	FR	MS	8	40	5	4	BK	
5																									
								6.10	7.62	1.52	25	0.16	1.25	82	0.94	62	12	FR	MS	9	40	5	4	BK	
								7.62	9.14	1.52	25	0.15	1.66	109	1.49	98	12	FR	S	10	55	5	3	BK	
10								9.14	10.67	1.53	25	0.17	1.25	82	0.76	50	9	FR	S	6	35	5	4	BK	
								10.67	12.19	1.52	35	0.16	1.60	105	0.45	30	12	FR	S	8	30	5	3	Li	
								12.19	13.72	1.53	40	0.14	1.32	86	0.52	34	8	FR	S	5	35	5	4	BK	
								13.72	15.24	1.52	60	0.19	1.42	93	0.99	65	12	FR	S	4	30	5	4	BK	
15								15.24	16.76	1.52	55	0.17	1.29	85	1.10	72	12	FR	S	5	40	5	4	BK	
								16.76	18.29	1.53	65	0.18	1.35	88	0.89	58	13	FR	S	6	75	5	4	BK	
								18.29	19.81	1.52	50	0.20	1.41	93	1.30	86	13	FR	MS	6	35	5	3	BK	
								19.81	21.34	1.53	70	0.15	1.16	76	0.92	60	14	FR	MS	6	35	5	4	Li	
20																									
								21.34	22.86	1.52	65	0.18	0.67	44	0.57	38	11	FR	MS	5	50	5	4	BK	
								22.86	24.38	1.52	65	0.18	1.45	95	0.88	58	13	FR	MS	6	40	5	4	Li	
								24.38	25.91	1.53	55	0.16	1.29	84	0.90	59	12	FR	S	7	35	5	3	Li	
25								25.91	27.43	1.52	60	0.20	1.41	93	0.90	59	10	FR	S	9	40	5	3	Li	
								27.43	28.96	1.53	65	0.15	1.48	97	0.89	58	10	FR	MS	12	50	5	4	Li	
								28.96	30.48	1.52	60	0.18	1.51	99	1.25	82	13	FR	S	7	35	5	3	Li	
30								30.48	32.00	1.52	65	0.18	1.33	88	1.00	66	14	FR	S	6	45	5	3	BK	
								32.00	33.53	1.53	60	0.16	1.39	91	0.97	63	14	FR	S	6	40	5	4	Li	
								33.53	35.05	1.52	65	0.18	1.50	99	1.20	79	13	FR	MS	7	30	5	3	BK	
35								35.05	36.58	1.53	60	0.16	1.41	92	0.93	61	12	FR	S	8	35	5	4	BK	
								36.58	38.10	1.52	60	0.16	1.62	107	0.99	65	12	FR	S	11	25	5	4	Li	
								38.10	39.62	1.52	65	0.13	1.40	92	0.48	32	10	FR	S	8	30	5	4	Li	
								39.62	41.15	1.53	60	0.14	1.46	95	0.85	56	10	FR	MS	10	35	5	4	BK	
40																									
								41.15	45.72	4.57	65	0.17	2.48	54	1.17	26	14	FR	MS	6	55	5	4	BK	
			42.90	45.90	3.00	C103668	10	17																	
45			45.90	46.65	0.75	C103669	10	35		45.72	48.77	3.05	70	0.37	2.86	94	2.22	73	12	FR	MS	7	50	5	4	BK	
			46.65	46.95	0.30	C103670	10	28																	
			46.95	49.38	2.43	C103671	10	22																	
			BLANK			C103672	10	4																	

Hole: DDH-I-2006-22 **Section:** _____ **Drilling dates:** October 8-12, 2006

Depth (m)	Struct.		LITHOLOGY								ALTERATION					MINERALS								BRECCIA						ASSAYS							Blocks			Radiometrics (average)	Magnetics	GEOTECHNICAL							JOINTS						
											Prim.		Sec.												Clasts		Matrix																	REC		RQD												
	Type	Attitude	From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	Type	Intensity	Type	Intensity	Notes:	Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	Primary	Second	Percent	Primary	Second	Minor	From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		From (m)	To (m)	Intvl. (m)			(m)	Percent	(m)	Percent	Breakage	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
															DK He-rich matrix w/ albitized																																								
															SLT clasts w/ speckled (10%)																																								
50															Do overprints throughout matrix.																																							
															EOH 49.38 m																																								

IGOR PROPERTY

YUKON URANIUM PROJEC
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
517501	7213745		95.89

Casing: depth: 10.67 out

Core Size: btw

Logger: Ben Gelber

Scintillometer: Saphymo Stel SPP_2_NF # 287

Comments:
Contractor: Superior

Hole: DDH-I-2006-23 **Section:** **Drilling dates:** October 14-20, 2006

SURVEY	Depth	Azi.	Dip	Method
	Collar	300	-60	Brunton
	NO	ACID	TEST	ABANDONED

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)		Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
			0.00	1.95	1.95	OVB									Core not in box.																						0.00	2.13	2.13	70	0.14	0.19	9	0.00	0	5	SW	MS	-		5			
																																					2.13	4.57	2.44	75	0.22	1.52	62	0.59	24	5	SW	MS		45		5		
	FO	20	1.95	14.92	12.97	W	GY	Bx			ser	ms	car	w	WSED(Hs)1-ser			5		Do	m	Cl	w	SLT		15	Se	Do	Cl																										
	FX	60													GY Bx w/ SLTclasts partially overprinted by Se and Do. Matrix of Hs, Se, Do w/ minor Cl. Do as xcutting VT's and FX infill, also os xtals in matrix. Hs FG in matrix and as selvages around clasts unit has strong structural fabric 20. FX 60.																																																		
5																																				4.57	6.10	1.53	70	0.23	0.90	59	0.17	11	5	SW	MS		40		5		
																																				6.10	7.62	1.52	75	0.22	1.16	76	0.81	53	4	SW	MS		40		2		
																																				7.62	10.67	3.05	75	0.26	2.89	95	1.84	60	4	SW	MS		32		2		
10																																				10.67	12.19	1.52	75	0.16	1.48	97	0.77	51	4	SW	MS		65		2		
																																				12.19	13.72	1.53	70	0.17	1.40	92	0.36	24	5	FR	MS		45		2		
																																				13.72	15.24	1.52	-	-	1.40	92	0.49	32	5	FR	MS		30		5		
	C	30	14.92	15.86	0.94	W	DKGY	Bx			car	w	ser	tw	WSEDHs2-car			30		Do	m	Cl	w	SLT		40	Do	Se																										
	FO	30													DKGY Bx W/ SLT clasts overprinted by car. Matrix of Hs, Do w/ minor Se. He is semi-massive, FG in matrix. FX infilled w/ Do. HW contact 30 degrees TCA. Unit has moderate structural fabric 30.																																																		
15																																				15.24	16.76	1.52	75	0.40	1.42	93	0.91	60	4	SW	MS		65		2		
	C	50	15.86	18.59	2.73	W	GY	Bx			car	f	Se	w	WSED(Hs)1-car			3		Do	m	Si	t	SLT		15	Do	Se	Si								16.76	18.29	1.53	75	0.32	1.22	80	0.73	48	4	SW	MS		55		2		
	FO	25													GY Bx w/ SLT clasts overprinted by Do and Minor Se. Matrix of Do, Hs, Se w/ trace Cl. Hs FG in matrix and as selvages around clasts. Xcutting VT's and FX infill of Do w/ trace Si. Strong structural fabric 25 degrees TCA. HW contact 50. FX 45.																																																		
	C	45	18.59	20.98	2.39	SLT	GY	CR			fec	w	car	w	SLT			1		Si	w	Do	w														18.29	19.81	1.52	75	0.30	1.43	94	0.55	36	4	SW	MS		30		2		
	FX	45													GY CR SLT. FX infilled w/ Si and Do. Strong Li staining on FX surfaces. HW contact 45. FX 45 degrees TCA.																																																	
20																																				19.81	21.34	1.53	75	0.21	1.33	87	0.59	39	4	SW	MS		37		2		
	C	20	20.98	39.67	18.69	W	GY	Bx			car	m	ser	w	WSED(Hs)1-car			3		Si	w	Cl	w	SLT		15	Do	Se	Si								21.34	22.86	1.52	75	0.24	1.48	97	0.89	59	4	SW	MS		25		2		
	FO	20													GY Bx w/ SLT clasts partially overprinted by car and ser. Matrix of Do, Se, Hs w/ minor Cl. Do and minor Si as xcutting VT's up to 0.5cm and FX infill. Hs FG and bladed xtals in matrix and as selvages around clasts. HW contact 20. Weak structural fabric 20. FX 45.																																																		
																																				22.86	24.38	1.52	70	0.32	1.47	97	0.46	30	4	SW	MS		40		2		
																																				24.38	25.91	1.53	70	0.27	1.58	103	0.72	47	4	SW	MS		50		2		
25																																				25.91	28.96	3.05	75	7.69	2.78	91	1.75	57	4	SW	MS		50		2		
																																			28.96	30.48	1.52	75	0.27	1.37	90	0.88	58	4	FR	MS		30		2		
30																																				30.48	32.00	1.52	70	0.23	1.43	94	0.97	64	4	FR	MS		50		2		

Hole: DDH-I-2006-23 **Section:** **Drilling dates:** October 14-20, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
																																					32.00	33.53	1.53	75	0.25	1.41	92	1.09	71	4	FR	MS		60		2		
																																				33.53	36.57	3.04	75	0.27	3.00	99	1.82	60	4	FR	MS		70		2		
35																																																						
																															36.67	39.67	3.00	C106551	51	10	36.57	38.00	1.43	75	0.16	1.58	110	0.90	63	4	FR	MS		65		2		
																																				38.10	39.62	1.52	70	0.32	1.38	91	0.96	63	4	FR	MS		70		2		
	C	80	39.67	47.99	8.32	W	GY	Bx			ser	ms	car	f	WSED(Hs)1-ser	t	t	2		Si	m	Cl	W	SLT		15	Se	Do	Si	39.67	42.50	2.83	C106552	25	<10	39.62	40.23	0.61	70	0.30	0.49	80	0.00	0	5	FR	MS		-		5		
															GY Bx w/ SLT clasts overprinting by ser. Matrix of Se, Do, Si , Hs, Cl w/ tr Py, Cp. Hs FG in matrix and as selvages around clasts. Py and Cp xtals up to 0.5cm in trace amounts. Do and Si as subhedral xtals up to 0.5cm and FX infill. HW contact 80 degrees TCA.																																															
40																																				40.23	41.15	0.92	75	0.24	0.41	45	0.00	0	5	FR	MS		-		5		
																																				41.15	42.67	1.52	75	0.31	1.55	102	0.80	53	4	FR	MS		35		2		
																															42.50	45.00	2.50	C106553	4	<10	42.67	44.20	1.53	75	0.26	1.59	104	1.17	76	4	FR	MS		47		2		
																																				44.20	45.72	1.52	75	0.33	1.52	100	1.28	84	4	FR	MS		30		2		
45																															45.00	47.99	2.99	C106554	7	10	45.72	46.94	1.22	75	0.29	0.93	76	0.38	31	4	FR	MS		30		4		
																																				46.94	48.96	2.02	80	0.34	1.64	81	1.02	50	4	FR	MS		50		4		
	C	40	47.99	53.97	5.98	W	GYBK	Bx			fec	m			WSEDHs(Py)MA3-fec	t		20		Si	m	Cl	w	SLT		85	Hs	Do	Si	47.99	51.00	3.01	C106555	27	10	48.96	49.99	1.03	80	0.86	1.54	150	1.10	107	4	FR	MS		45		2		
	FO	40													MA Hs w/ brecciated Bx clasts up to 10.0cm. Matric of Hs, Do, Si, Cl, Qz w/ trace Py. Unit is banded in areas @ 40 degrees. Do as xtals in matrix. Si as subhedral xtals in matrix and as xcutting VT's up to 0.5cm. Cl locally abundant. HW contact 40 degrees TCA and FX 40.																																														
50																																				49.99	51.66	1.67	75	0.54	1.60	96	0.96	57	4	FR	MS		60		2		
																															51.00	52.50	1.50	C106556	7	<10	51.66	52.63	0.97	75	0.75	0.99	102	0.93	96	4	FR	MS		80		2		
																															52.50	53.97	1.47	C106557	6	20	52.63	53.19	0.56	70	0.51	0.61	109	0.61	109	4	FR	MS		80		2		
																															53.97	57.00	3.03	C106558	37	10	53.19	54.71	1.52	75	0.42	1.62	107	1.47	97	4	FR	MS		40		2		
	C	55	53.97	65.84	11.87	W	DKGY	Bx			car	f	ser	w	WSEDHs1-car	t		10		Do	f	Ba	w	SLT	JAS	20	Do	Se	Si							54.71	56.39	1.68	70	0.19	1.58	94	1.11	66	4	FR	MS		67		2		
	FX	60													DK GY Bx w/ SLT and JAS clasts partially overprinted by car and ser. Clasts are 0.5-8.0cm, sa to sr. Matrix of Hs, Do, Se, Ba, Cl, Si w/ trace Py. Xcutting VT's of Do and Si up to 0.5 cm. Hs FG in matrix and as selvages around clasts. Trace Py in matrix as FG blebs and xtals up to 0.3cm. HW contact 55 degrees. FX 60. No apparent FO.																																														
55																																				56.39	57.91	1.52	70	0.15	1.58	104	1.10	72	4	FR	MS		65		2		
																															57.00	60.00	3.00	C106559	7	10	57.91	59.44	1.53	75	0.21	1.45	95	1.15	75	4	FR	MS		37		2		
																																				59.44	60.96	1.52	75	0.21	1.35	89	0.46	30	5	FR	MS		65		5		
60																															60.00	63.00	3.00	C106560	11	<10	60.96	62.48	1.52	75	0.29	1.46	96	1.15	76	4	FR	MS		65		2		
																																				62.48	64.00	1.52	75	0.15	1.44	95	0.98	64	4	FR	MS		65		2		
																															63.00	65.84	2.84	C106561	7	<10																		
																																				64.00	65.53	1.53	75	0.24	1.47	96	0.70	46	4	FR	MS		33		2		
65	C	70	65.84	67.86	2.02	QTE	PK	CR			pot	s	car	w	QTE			3		Do	m	Cl	w								65.84	67.87	2.03	C106562	9	<10	65.53	67.06	1.53	75	0.18	1.54	101	0.81	53	4	FR	MS		50		2		
	FX	50													CR PK QTE partially overprinted by Do. FX infill of DO, Hs, Cl w/ minor Si. HW contact 70 degrees. FX 50 degrees.																																														
	FX	45	67.86	76.07	8.21	W	DKGY	Bx			alb	ms	car	w	WSED(Hs)1-alb	tr		3		Do	m	Qz	w	SLT	JAS	15	Ab	Do	Hs	67.87	70.50	2.63	C106563	7	<10	67.06	68.58	1.52	75	0.17	1.54	101	1.16	76	4	FR	MS		55		2		

Hole: DDH-I-2006-23 **Section:** **Drilling dates:** October 14-20, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
															DK GY Bx w/ SLT and JAS clasts overprinted by Ab and Do. Clasts are sa to sr, unit is highly polymictic. Matrix highly albitized and contains Hs, Do, Cl, Se w/ trace Py and Do as xcutting VT's and FX infill. HW contact irregular. FX 45 deg. No apparent FO.																																														
																																				68.58	70.10	1.52	75	0.14	1.54	101	1.19	78	4	FR	MS		60		2		
70																															70.50	73.50	3.00	C106564	10	<10	70.10	71.63	1.53	75	0.23	1.51	99	1.37	90	4	FR	MS		65		2		
																																			71.63	73.15	1.52	75	0.13	1.49	98	1.30	86	4	FR	MS		45		2		
																															73.50	76.07	2.57	C106565	9	<10	73.15	74.68	1.53	75	0.34	1.49	97	0.86	56	4	FR	MS		70		2		
																																			74.68	76.20	1.52	75	0.20	1.52	100	0.54	36	4	FR	MS		43		2		
75																																																					
	C	45	76.07	96.01	19.94	DIA	DKGN	FG			chl	s			DIA	2	t	5		Cl	s	Do	w							76.07	79.00	2.93	C106566	221	<10	76.20	77.72	1.52	75	0.77	1.50	99	0.54	36	5	FR	MS		25		5		
	FX	45													heavily CL altered DIA. Py altered EU plagioclase xtals. He present, maybe as a secondary event. Unit is xcut by Do, Si, Ba and Qz VT's up to 1.0cm w/ trace Cp. Unit is generally FG w/ larger altered plagioclase xtals. Around margins Bx fragments can be observed. HW contact 45 deg. FX 45 deg. unit becomes fresh towards end of hole w/ Py and plagioclase clearly visible. last 30cm of unit contains large Qz and Ba VT's w/ Do and Si.																																																					
																																			77.72	79.25	1.53	75	0.99	1.54	101	0.98	64	4	FR	MS		30		2		
																															79.00	82.00	3.00	C106567	766	<10	79.25	80.77	1.52	75	0.13	1.58	104	1.43	94	4	FR	MS		50		2		
80																																																					
																																			80.77	83.82	3.05	75	1.04	3.00	98	1.87	61	4	FR	MS		40		2		
																															82.00	85.00	3.00	C106568	597	<10																		
																																			83.82	85.33	1.51	75	0.61	1.53	101	1.46	97	4	FR	MS		37		2		
85																																																					
																															85.00	88.00	3.00	C106569	2500	<10	85.33	86.87	1.54	75	0.31	1.56	101	1.32	86	4	FR	MS		45		2		
																															BLANK			C106570	25	<10	86.87	88.39	1.52	80	0.22	1.54	101	1.40	92	4	FR	MS		50		2		
																															88.00	91.00	3.00	C106571	2530	10	88.39	89.92	1.53	75	0.19	1.42	93	0.77	50	4	FR	MS		40		2		
																																			89.92	91.44	1.52	75	0.19	1.50	99	0.61	40	4	FR	MS		65		2		
90																																																					
																															91.00	94.00	3.00	C106572	871	<10	91.44	92.96	1.52	80	0.20	1.54	101	1.36	89	4	FR	MS		40		2		
																																			92.96	94.49	1.53	80	0.14	1.55	101	1.01	66	4	FR	MS		30		2		
																															94.00	96.01	2.01	C106573	193	10	94.49	96.01	1.52	80	0.17	1.48	97	0.88	58	4	FR	MS		50		2		
90																																																					
															EOH 96.01 m																																									

APPENDIX VI

CERTIFICATES OF ANALYSIS

ALS Chemex
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North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

: TWENTY-SEVEN CAPITAL CORP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized L . 31-AUG-2006
Account: TWESEV

CERTIFICATE VA06071342

Project: IGOR

P.O. No.:

This report is for 13 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 18-JUL-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

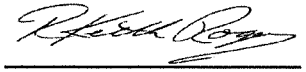
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF05	Trace Level XRF Analysis	XRF
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

Signature: 

Keith Rogers, Executive Manager Vancouver Laboratory

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VANCOUVER BC V6B 1L8

Project: IGOR

Finalized Date: 31-AUG-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06071342

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C104301		1.52	0.3	0.56	8	<10	2770	<0.5	<2	4.73	<0.5	12	5	196	5.91	<10
C104302		0.88	0.4	0.61	11	<10	840	<0.5	<2	4.86	<0.5	25	4	81	4.15	<10
C104303		0.84	2.6	0.81	287	<10	40	<0.5	9	4.59	<0.5	348	5	4050	8.88	<10
C104304		0.62	0.2	0.75	2	<10	2600	<0.5	<2	6.66	<0.5	13	5	33	3.66	<10
C104305		1.66	2.2	0.54	331	<10	40	<0.5	6	4.72	<0.5	299	5	603	7.92	<10
C104306		2.16	9.5	0.67	733	<10	20	<0.5	22	1.45	<0.5	512	7	3270	16.8	<10
C104307		2.14	4.2	0.40	468	<10	20	<0.5	17	4.42	<0.5	444	2	3960	16.3	<10
C104308		2.36	3.0	0.38	332	<10	40	<0.5	12	3.88	<0.5	291	3	4460	13.30	<10
C104309		1.82	2.5	0.64	171	<10	40	<0.5	13	4.29	<0.5	209	3	3660	11.45	<10
C104310		2.02	1.5	0.44	122	<10	60	<0.5	3	5.06	<0.5	156	2	5030	10.40	<10
C104311		4.00	0.6	0.29	40	<10	200	<0.5	<2	3.78	<0.5	57	2	268	6.11	<10
C104312		4.50	3.5	0.71	293	<10	30	<0.5	15	1.30	<0.5	296	5	3740	13.65	<10
C104313		4.12	3.5	0.53	515	<10	20	<0.5	35	2.80	<0.5	488	3	5380	22.8	<10

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: IGOR

Finalized Date: 31-AUG-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06071342

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Ti % 0.01
C104301		1	0.37	30	2.63	6560	9	<0.01	11	1200	5	0.16	<2	3	77	0.01
C104302		<1	0.40	10	2.38	6690	16	0.01	9	550	2	0.30	<2	3	104	<0.01
C104303		1	0.36	<10	2.35	7040	77	0.01	37	1030	33	4.69	<2	3	55	0.01
C104304		<1	0.45	30	2.54	5910	5	<0.01	11	840	2	0.18	<2	3	85	<0.01
C104305		<1	0.31	10	1.88	6810	29	0.01	27	1120	23	3.42	2	3	89	0.01
C104306		<1	0.20	10	1.31	9610	33	0.01	86	870	42	9.02	<2	3	20	0.01
C104307		1	0.16	50	1.80	8490	26	0.01	65	1220	18	>10.0	<2	3	24	0.01
C104308		1	0.21	90	1.63	7930	35	0.01	46	1810	16	7.28	<2	2	24	0.01
C104309		<1	0.18	30	2.07	10100	42	0.01	46	1140	14	4.32	<2	3	33	<0.01
C104310		<1	0.19	50	1.94	8710	32	0.01	37	1420	7	2.94	<2	3	45	<0.01
C104311		<1	0.21	30	1.52	7540	6	0.01	9	880	5	0.71	<2	2	47	<0.01
C104312		1	0.24	20	1.16	13350	55	0.01	49	1700	17	5.46	<2	4	19	0.01
C104313		<1	0.18	20	1.75	14450	32	0.01	69	1690	21	>10.0	<2	5	13	<0.01

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VANCOUVER BC V6B 1L8

Project: IGOR

Finalized Date: 31-AUG-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06071342

Sample Description	Method Analyte Units LOR	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	ME-XRF05 U ppm 4
C104301		<10	<10	12	10	5	
C104302		<10	<10	7	<10	2	
C104303		<10	30	12	<10	6	
C104304		<10	<10	8	<10	2	
C104305		<10	20	11	10	3	
C104306		<10	130	12	<10	9	123
C104307		<10	170	13	<10	6	165
C104308		<10	150	15	10	3	157
C104309		10	90	11	<10	8	
C104310		<10	10	12	<10	6	
C104311		<10	10	3	<10	4	
C104312		<10	110	14	<10	11	104
C104313		<10	40	18	<10	8	

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VANCOUVER BC V6B 1L8

Finalized L . . . 31-AUG-2006
Account: TWESEV

CERTIFICATE VA06071343

Project: IGOR

P.O. No.:

This report is for 1 Drill Core sample submitted to our lab in Vancouver, BC, Canada on 18-JUL-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
ME-XRF05	Trace Level XRF Analysis	XRF
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

Signature:
Keith Rogers, Executive Manager Vancouver Laboratory

ALS Chemex
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): TWENTY-SEVEN CAPITAL CORP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: IGOR

Finalized Date: 31-AUG-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06071343

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C103883		2.12	1.7	1.79	77	<10	20	0.6	5	0.16	<0.5	163	32	>10000	8.03	<10

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Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Ti % 0.01
C103883		1	0.20	10	0.64	1450	78	0.01	37	640	145	2.91	3	2	184	0.05

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Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Cu-AA46 Cu % 0.01	ME-XRF05 U ppm 4
C103883		<10	2460	16	10	27	1.18	2420

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P.O. No.:

This report is for 51 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 18-JUL-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

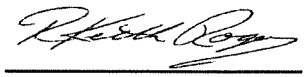
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF05	Trace Level XRF Analysis	XRF
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Keith Rogers, Executive Manager Vancouver Laboratory

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Sample Description	Method	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
C103851		3.38	0.4	0.89	17	<10	130	<0.5	19	0.33	<0.5	81	4	6020	16.4	<10
C103852		3.68	0.6	1.41	249	<10	110	0.5	9	0.35	<0.5	380	15	4860	16.3	<10
C103853		4.54	0.3	2.12	198	<10	60	0.5	23	0.37	<0.5	271	12	6420	13.15	<10
C103854		1.58	0.5	2.34	261	<10	40	<0.5	2	0.16	<0.5	296	24	1175	10.10	<10
C103855		2.48	0.5	1.14	155	<10	40	<0.5	3	2.58	<0.5	169	9	475	6.79	<10
C103856		3.76	0.4	0.84	139	<10	40	<0.5	<2	1.06	<0.5	167	32	3470	7.88	<10
C103857		1.62	0.5	0.47	281	<10	30	<0.5	3	3.16	<0.5	219	18	552	6.01	<10
C103858		3.24	0.2	0.75	204	<10	40	<0.5	3	1.83	<0.5	189	25	1865	6.35	<10
C103859		3.88	<0.2	1.69	2	<10	310	<0.5	3	0.33	0.5	39	12	1630	13.70	<10
C103860		2.60	<0.2	1.06	12	<10	270	<0.5	3	0.31	0.5	51	22	2060	16.8	<10
C103861		2.98	0.2	0.24	16	<10	120	<0.5	2	0.35	0.5	56	1	3190	18.5	<10
C103862		2.40	<0.2	0.80	<2	<10	1940	0.7	<2	2.93	<0.5	8	17	172	6.71	<10
C103863		2.32	0.2	0.74	21	<10	150	0.5	4	3.25	<0.5	63	7	633	20.6	<10
C103864		3.02	0.7	0.50	32	<10	50	<0.5	10	2.60	<0.5	182	23	6710	42.5	<10
C103865		4.68	<0.2	1.09	71	<10	60	<0.5	7	4.00	<0.5	222	7	632	30.0	<10
C103866		2.72	<0.2	1.16	23	<10	200	<0.5	2	3.22	<0.5	66	23	302	15.3	<10
C103867		5.54	0.3	0.89	69	<10	100	<0.5	<2	1.65	<0.5	281	5	497	28.5	<10
C103868		2.56	0.7	2.36	53	<10	120	<0.5	4	0.92	<0.5	133	33	496	25.0	<10
C103869		6.26	0.3	0.31	24	<10	60	<0.5	6	0.31	<0.5	377	<1	225	38.1	<10
C103870		2.06	<0.2	0.07	7	<10	770	<0.5	<2	20.3	<0.5	1	5	10	0.48	<10
C103871		5.92	0.4	2.19	54	<10	120	<0.5	3	0.40	<0.5	206	8	392	25.5	<10
C103872		5.54	0.4	1.00	75	<10	110	<0.5	3	0.40	<0.5	469	2	490	13.85	<10
C103873		6.48	0.4	0.57	74	<10	50	<0.5	5	0.33	<0.5	411	28	356	31.7	<10
C103874		2.36	<0.2	1.45	3	<10	730	<0.5	6	0.21	0.5	52	6	154	31.4	<10
C103875		3.28	<0.2	1.20	8	<10	180	<0.5	2	0.57	<0.5	115	36	31	11.85	<10
C103876		1.48	0.3	3.11	6	<10	1000	0.5	2	1.78	<0.5	55	32	115	16.0	<10
C103877		3.86	<0.2	0.84	5	<10	2610	<0.5	<2	0.56	<0.5	17	23	26	8.80	<10
C103878		4.16	<0.2	0.69	6	<10	1160	<0.5	2	0.80	<0.5	26	38	33	10.10	<10
C103879		4.42	<0.2	0.50	<2	<10	270	<0.5	<2	0.61	<0.5	51	20	113	5.97	<10
C103880		3.90	0.4	0.67	12	<10	170	<0.5	2	0.53	<0.5	65	19	1910	3.56	<10
C103881		1.20	<0.2	0.75	19	<10	280	<0.5	2	0.31	<0.5	46	12	760	2.30	<10
C103882		3.18	0.3	1.86	13	<10	240	0.5	<2	0.17	<0.5	60	19	519	4.69	<10
C103884		4.26	0.4	2.53	13	<10	210	0.5	3	0.17	0.5	70	18	3360	8.51	<10
C103885		6.06	0.4	2.54	21	<10	170	0.7	3	0.40	1.2	107	26	767	14.4	10
C103886		1.00	<0.2	1.28	<2	<10	860	0.6	<2	1.37	<0.5	31	13	246	7.03	<10
C103887		6.30	1.2	0.95	107	<10	50	<0.5	3	2.19	0.6	270	22	481	10.70	<10
C103888		3.02	0.4	1.58	14	<10	190	<0.5	3	2.87	0.9	88	14	1280	11.45	<10
C103889		1.52	0.3	0.58	4	<10	260	<0.5	2	1.70	0.5	20	11	2220	7.89	<10
C103890		1.76	<0.2	0.09	<2	<10	550	<0.5	2	19.0	<0.5	<1	2	12	0.23	<10
C103891		1.88	0.4	1.52	17	<10	150	0.9	4	0.21	1.2	51	39	465	16.9	<10

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CERTIFICATE OF ANALYSIS VA06071344

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C103851		4	0.10	90	0.75	6220	31	<0.01	41	1530	3	0.71	<2	2	294	0.01
C103852		6	0.39	90	0.52	5210	67	0.01	49	1610	6	4.00	<2	3	37	0.01
C103853		3	0.28	110	0.71	2810	47	<0.01	50	1190	<2	2.65	<2	3	46	0.01
C103854		3	0.32	10	0.66	198	26	<0.01	35	710	<2	2.67	<2	1	106	0.02
C103855		2	0.41	50	0.87	3520	19	0.01	26	690	2	2.95	<2	4	102	0.01
C103856		1	0.38	30	0.29	1460	18	0.01	25	730	4	2.22	2	1	195	0.02
C103857		3	0.28	20	0.72	3730	17	0.05	28	1270	4	3.51	<2	3	81	<0.01
C103858		4	0.31	30	0.48	2170	15	0.02	24	930	<2	2.33	<2	2	117	0.01
C103859		<1	0.20	90	0.53	1910	15	<0.01	25	1560	5	0.29	2	2	261	0.05
C103860		<1	0.20	140	0.41	4210	45	0.01	23	1450	3	0.38	3	1	241	0.06
C103861		1	0.03	120	0.19	1650	35	<0.01	25	1070	6	0.77	<2	<1	578	0.01
C103862		2	0.45	80	0.81	3710	18	0.01	11	790	5	0.09	<2	2	200	0.05
C103863		2	0.38	90	0.59	3270	59	0.02	25	1150	5	0.53	2	2	519	0.03
C103864		2	0.04	80	0.40	2370	49	0.01	63	1460	23	1.78	<2	1	188	0.01
C103865		<1	0.26	150	0.67	2840	47	0.03	47	1230	13	1.62	<2	3	239	0.02
C103866		1	0.16	30	0.88	3120	44	0.01	24	1460	4	0.49	<2	3	323	0.03
C103867		2	0.02	70	0.55	2580	54	0.01	63	1660	6	1.84	<2	2	245	0.01
C103868		1	0.01	140	0.94	2550	37	0.01	58	1660	6	0.75	<2	4	160	0.02
C103869		1	<0.01	60	0.35	3920	53	<0.01	70	1410	13	2.01	<2	2	61	0.01
C103870		1	0.01	<10	10.75	151	<1	0.01	6	470	<2	<0.01	2	<1	119	<0.01
C103871		<1	0.01	130	0.78	3690	82	<0.01	90	1810	6	1.05	<2	4	225	0.02
C103872		1	<0.01	160	0.54	4090	36	<0.01	52	1840	2	2.69	<2	2	56	<0.01
C103873		1	0.02	250	0.31	2100	69	0.01	62	1220	10	2.06	<2	2	146	0.01
C103874		3	0.05	50	0.61	2320	46	0.01	66	970	3	0.23	<2	1	143	0.01
C103875		<1	0.25	20	0.48	604	9	0.02	23	920	<2	0.62	2	1	205	0.06
C103876		<1	0.19	10	1.85	1960	130	0.01	22	710	8	0.24	<2	2	66	0.07
C103877		<1	0.32	<10	0.27	705	2	0.02	3	610	2	0.10	<2	1	70	0.13
C103878		<1	0.27	10	0.29	998	4	0.02	4	680	<2	0.15	<2	1	156	0.10
C103879		1	0.36	20	0.16	711	3	0.02	5	770	<2	0.36	<2	1	265	0.08
C103880		1	0.35	<10	0.15	1210	55	0.02	13	540	14	0.48	2	1	480	0.01
C103881		1	0.36	20	0.13	433	26	0.02	10	630	10	0.30	<2	1	296	0.01
C103882		<1	0.32	<10	0.56	183	27	0.01	22	630	7	0.40	2	1	353	<0.01
C103884		<1	0.32	10	0.79	1170	7	0.01	31	660	10	0.74	<2	2	217	0.01
C103885		1	0.20	40	0.89	2050	40	0.01	49	1570	9	0.81	<2	2	394	0.04
C103886		<1	0.34	10	0.79	2640	1	0.02	13	540	7	0.17	2	2	193	0.08
C103887		2	0.18	20	0.92	3180	27	0.02	30	910	16	2.58	2	2	337	0.02
C103888		2	0.24	60	1.32	3280	23	0.02	30	920	8	0.67	<2	3	178	0.04
C103889		<1	0.04	20	0.70	2210	13	0.01	19	600	7	0.38	2	2	745	0.01
C103890		1	0.02	<10	10.00	137	<1	0.02	4	290	3	<0.01	<2	<1	130	<0.01
C103891		1	0.19	100	0.49	181	24	0.01	22	600	8	0.68	5	1	206	0.08

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C103851		<10	10	25	10	10	
C103852		<10	10	29	10	11	
C103853		<10	<10	24	<10	13	
C103854		<10	20	22	<10	14	
C103855		<10	<10	9	<10	6	
C103856		<10	<10	20	10	7	
C103857		10	<10	11	<10	3	
C103858		<10	10	21	<10	3	
C103859		<10	<10	38	<10	11	
C103860		<10	<10	24	10	5	
C103861		<10	<10	14	10	2	
C103862		<10	<10	13	10	2	
C103863		<10	<10	22	10	<2	
C103864		20	60	29	10	11	
C103865		10	<10	29	<10	5	
C103866		10	<10	19	10	9	
C103867		10	<10	23	<10	8	
C103868		<10	70	22	<10	15	
C103869		10	<10	28	<10	4	
C103870		<10	<10	2	10	6	
C103871		10	<10	23	10	16	
C103872		<10	10	6	<10	9	
C103873		10	<10	26	10	4	
C103874		10	70	33	<10	13	
C103875		<10	<10	34	<10	11	
C103876		10	<10	40	<10	37	
C103877		<10	<10	28	<10	6	
C103878		<10	<10	31	10	6	
C103879		<10	<10	28	<10	5	
C103880		<10	80	11	<10	14	
C103881		<10	210	7	<10	9	229
C103882		<10	20	13	<10	20	
C103884		<10	10	22	<10	24	
C103885		<10	10	27	<10	28	
C103886		<10	<10	20	<10	13	
C103887		<10	10	18	<10	13	
C103888		<10	<10	27	10	18	
C103889		<10	<10	13	<10	8	
C103890		<10	<10	1	<10	7	
C103891		<10	<10	23	10	18	

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Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C103892		0.66	0.4	0.92	24	<10	140	<0.5	2	0.73	<0.5	52	6	1910	8.22	<10
C103893		1.18	0.5	1.70	40	<10	90	<0.5	3	1.98	0.6	239	38	53	9.36	<10
C103894		3.08	0.6	2.33	17	<10	100	0.6	<2	0.53	1.0	179	17	3290	12.10	<10
C103895		4.32	0.5	2.79	130	<10	120	0.8	4	0.25	1.1	265	30	2440	15.0	<10
C103896		4.98	0.5	1.46	82	<10	90	<0.5	<2	0.33	0.8	159	10	1960	11.80	<10
C103897		3.58	0.4	2.31	53	<10	50	0.5	4	0.35	<0.5	219	32	742	19.8	<10
C103898		1.36	0.4	4.73	37	<10	100	0.9	5	4.29	<0.5	137	29	148	27.6	<10
C103899		0.54	3.3	4.96	335	10	20	1.6	11	2.34	<0.5	553	27	88	18.1	10
C103900		1.88	<0.2	0.59	18	<10	620	<0.5	<2	0.17	<0.5	16	8	12	1.37	<10
C103901		2.26	<0.2	0.86	9	10	510	0.5	<2	0.74	<0.5	11	24	23	1.60	<10
C103902		2.00	<0.2	0.89	2	<10	450	0.5	<2	0.78	<0.5	7	7	233	1.78	<10

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: TWENTY-SEVEN CAPITAL CORP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: IGOR

Finalized Date: 31-AUG-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06071344

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C103892		1	0.07	20	0.48	550	19	0.01	21	840	6	0.61	<2	1	651	0.02
C103893		<1	0.35	20	0.95	2240	15	0.03	31	750	11	2.07	2	2	112	0.01
C103894		2	0.23	30	1.01	2150	26	0.02	40	1080	9	1.41	<2	3	149	0.02
C103895		1	0.16	20	1.03	2160	52	0.01	51	1030	12	2.15	2	1	237	0.01
C103896		1	0.17	70	0.61	2320	24	0.01	36	900	10	1.37	3	2	354	0.03
C103897		<1	0.16	70	0.99	1960	46	0.01	49	1210	<2	1.87	2	3	146	0.03
C103898		1	0.07	10	4.36	9960	16	0.02	52	1380	8	0.77	3	9	89	0.03
C103899		<1	0.31	10	3.56	2300	23	0.01	78	1330	22	5.02	<2	4	21	0.01
C103900		<1	0.31	20	0.13	250	2	0.01	9	150	<2	0.46	<2	1	20	<0.01
C103901		<1	0.35	20	0.41	787	2	0.02	6	140	<2	0.19	<2	2	12	<0.01
C103902		1	0.33	40	0.44	708	3	0.02	9	230	2	0.07	2	2	13	<0.01

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Project: IGOR

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CERTIFICATE OF ANALYSIS VA06071344

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-XRF05
	Analyte	Tl	U	V	W	Zn	U
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	10	1	10	2	4
C103892		<10	<10	17	<10	11	
C103893		<10	<10	31	<10	19	
C103894		<10	<10	27	<10	24	
C103895		<10	20	20	<10	34	
C103896		<10	20	24	<10	18	
C103897		<10	<10	37	10	24	
C103898		10	10	46	10	71	
C103899		10	100	33	<10	86	96
C103900		<10	<10	4	<10	4	
C103901		<10	<10	5	<10	8	
C103902		<10	<10	4	<10	8	

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VANCOUVER BC V6B 1L8

Finalized .e: 4-SEP-2006
Account: TWESEV

CERTIFICATE VA06075585

Project: IGOR

P.O. No.:

This report is for 65 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 24-JUL-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
ME-XRF05	Trace Level XRF Analysis	XRF
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

Signature:
Keith Rogers, Executive Manager Vancouver Laboratory

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Project: IGOR

Finalized Date: 4-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06075585

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C103951		3.48	0.3	1.43	37	<10	50	<0.5	<2	2.12	<0.5	185	10	3050	12.35	<10
C103952		2.92	<0.2	0.39	180	<10	20	<0.5	3	1.31	<0.5	230	18	555	5.68	<10
C103953		4.94	0.5	0.55	192	<10	20	<0.5	6	1.89	<0.5	205	24	5850	6.74	<10
C103954		4.96	0.4	0.61	147	<10	30	<0.5	<2	2.06	<0.5	223	22	6940	7.20	<10
C103955		5.20	<0.2	0.54	29	<10	90	<0.5	<2	1.68	<0.5	67	13	767	4.11	<10
C103956		3.40	<0.2	0.28	22	<10	70	<0.5	2	1.88	<0.5	73	18	1070	4.58	<10
C103957		5.16	0.2	0.56	5	<10	120	<0.5	<2	2.31	<0.5	39	15	1345	7.79	<10
C103958		4.64	0.3	0.83	9	<10	210	<0.5	<2	1.99	<0.5	22	8	1940	12.95	<10
C103959		3.60	<0.2	0.75	3	<10	840	<0.5	<2	2.02	<0.5	11	15	633	5.59	<10
C103960		8.00	0.3	1.44	35	<10	100	<0.5	<2	1.79	<0.5	97	11	79	17.9	<10
C103961		7.44	0.2	1.01	75	<10	20	<0.5	3	0.93	<0.5	512	2	203	23.3	<10
C103962		7.48	<0.2	1.03	42	<10	70	<0.5	2	0.34	<0.5	318	1	431	20.2	<10
C103963		2.12	<0.2	1.88	15	<10	170	<0.5	<2	1.64	<0.5	131	4	164	20.0	<10
C103964		2.54	<0.2	2.32	7	<10	1830	<0.5	<2	2.63	<0.5	24	8	310	16.9	<10
C103965		1.80	<0.2	2.78	9	<10	2390	<0.5	<2	1.11	<0.5	19	26	196	8.42	<10
C103966		3.72	<0.2	1.60	7	<10	3590	<0.5	<2	0.25	<0.5	11	17	24	13.40	<10
C103967		4.96	0.2	1.60	10	<10	190	<0.5	<2	0.48	<0.5	101	8	245	17.0	<10
C103968		4.16	<0.2	0.98	7	<10	1770	<0.5	<2	1.23	<0.5	17	23	95	10.25	<10
C103969		2.80	<0.2	0.47	6	<10	390	<0.5	<2	0.31	<0.5	59	26	39	6.05	<10
C103970		1.40	<0.2	0.13	<2	<10	270	<0.5	<2	19.4	<0.5	<1	4	6	0.18	<10
C103971		6.68	<0.2	1.05	9	<10	880	<0.5	<2	0.95	<0.5	38	19	25	10.65	<10
C103972		3.46	<0.2	0.82	7	<10	2170	<0.5	<2	0.92	<0.5	27	20	21	7.76	<10
C103973		6.08	<0.2	0.45	6	<10	380	<0.5	<2	1.02	<0.5	44	24	15	7.13	<10
C103974		6.26	<0.2	0.22	12	<10	120	<0.5	<2	1.01	<0.5	74	21	49	5.09	<10
C103975		4.34	<0.2	0.14	4	<10	130	<0.5	<2	0.69	<0.5	63	23	114	3.61	<10
C103976		2.16	0.2	0.34	5	<10	100	<0.5	<2	0.56	<0.5	88	19	603	3.45	<10
C103977		4.30	0.5	0.34	6	<10	50	<0.5	<2	0.62	<0.5	78	17	3770	3.10	<10
C103978		3.86	0.8	0.31	9	<10	40	<0.5	2	0.75	<0.5	76	14	>10000	4.27	<10
C103979		4.14	0.5	0.51	9	<10	40	<0.5	<2	1.23	<0.5	90	16	9960	6.04	<10
C103980		3.42	0.8	0.46	20	<10	20	<0.5	<2	1.23	<0.5	109	18	>10000	11.15	<10
C103982		5.74	0.8	0.35	134	<10	30	<0.5	16	1.68	<0.5	233	22	>10000	11.60	<10
C103986		3.42	1.5	0.70	167	<10	60	<0.5	2	0.24	<0.5	349	8	1860	6.82	<10
C103987		1.34	<0.2	0.04	8	<10	290	<0.5	<2	19.6	<0.5	<1	1	41	0.14	<10
C103988		5.90	0.7	0.63	90	<10	250	<0.5	2	1.47	<0.5	135	6	834	4.89	<10
C103989		5.02	0.2	0.56	63	10	200	<0.5	<2	2.81	<0.5	82	6	1200	4.42	<10
C103990		5.24	0.2	0.77	51	<10	280	<0.5	<2	0.84	<0.5	77	6	725	3.61	<10
C103991		6.20	0.2	0.90	38	<10	320	0.5	<2	0.74	<0.5	61	7	1425	4.17	<10
C103992		5.68	0.2	1.14	50	10	180	0.7	<2	0.57	<0.5	80	11	762	5.19	<10
C103993		4.26	<0.2	0.71	22	<10	180	<0.5	<2	1.14	<0.5	35	6	1990	2.79	<10
C103994		4.48	<0.2	0.91	24	<10	140	<0.5	<2	1.49	<0.5	51	11	2170	3.60	<10

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Project: IGOR

Finalized Date: 4-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06075585

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C103951		1	0.15	50	0.95	3080	56	0.01	29	860	6	1.50	<2	2	359	0.01
C103952		3	0.14	40	0.32	1045	66	0.03	26	580	4	2.31	<2	2	253	0.01
C103953		2	0.07	40	0.59	1725	94	0.05	24	770	4	2.77	<2	2	149	<0.01
C103954		5	0.13	10	0.56	2520	21	0.04	26	800	3	2.54	<2	3	87	0.01
C103955		<1	0.28	20	0.40	1975	7	0.01	11	770	<2	0.59	<2	2	138	0.01
C103956		1	0.21	10	0.38	2150	8	0.02	7	740	<2	0.92	<2	2	257	0.04
C103957		1	0.17	110	0.60	2400	37	0.02	9	1050	3	0.44	2	2	200	0.07
C103958		1	0.03	230	0.64	1960	45	0.02	20	1530	3	0.33	<2	3	305	0.02
C103959		<1	0.12	50	0.78	1685	13	0.03	8	950	2	0.12	<2	4	171	0.05
C103960		1	0.06	80	0.90	2430	53	0.01	37	1490	3	0.78	<2	3	221	0.01
C103961		<1	<0.01	240	0.72	4090	68	0.01	52	1770	9	3.47	2	3	43	0.01
C103962		<1	<0.01	230	0.54	4410	93	0.01	62	1330	10	1.74	<2	4	81	0.01
C103963		<1	<0.01	30	0.88	1620	29	0.01	49	1270	5	0.69	<2	3	168	0.01
C103964		<1	0.02	20	1.31	1795	14	0.02	38	1630	7	0.11	2	11	129	0.02
C103965		<1	0.10	30	1.09	588	6	0.02	23	1440	3	0.11	<2	5	129	0.01
C103966		<1	0.17	70	0.43	116	29	0.02	11	1140	2	0.13	2	1	85	0.09
C103967		1	0.06	40	0.50	1175	77	0.01	29	1600	7	0.53	<2	1	170	0.03
C103968		<1	0.13	10	0.70	1355	12	0.04	11	720	2	0.14	2	2	118	0.06
C103969		<1	0.27	<10	0.11	140	3	0.01	2	800	4	0.37	2	2	78	0.15
C103970		<1	0.01	<10	10.30	82	<1	0.02	6	400	3	0.05	<2	<1	121	<0.01
C103971		<1	0.13	50	0.57	1420	24	0.03	18	810	3	0.20	2	2	152	0.06
C103972		<1	0.19	20	0.46	1035	12	0.04	12	990	<2	0.17	2	2	48	0.06
C103973		<1	0.15	10	0.42	916	6	0.03	6	590	3	0.28	<2	3	149	0.09
C103974		<1	0.14	50	0.30	706	13	0.03	5	540	5	0.47	<2	2	330	0.08
C103975		<1	0.03	10	0.39	1235	6	0.04	4	440	3	0.45	<2	3	354	0.04
C103976		<1	0.16	30	0.27	661	14	0.03	6	670	9	0.65	<2	3	235	0.04
C103977		<1	0.15	10	0.27	488	40	0.03	9	620	9	0.98	<2	2	419	0.01
C103978		<1	0.23	10	0.19	717	19	0.03	9	620	10	1.66	3	2	323	0.03
C103979		<1	0.27	10	0.49	1580	13	0.01	22	640	7	1.56	<2	2	188	0.01
C103980		<1	0.27	<10	0.50	1835	27	0.01	60	590	10	2.22	<2	2	134	0.01
C103982		<1	0.26	<10	0.53	2520	24	0.02	113	550	7	1.85	<2	2	209	0.01
C103986		<1	0.26	10	0.43	3420	31	0.01	60	570	6	2.27	<2	1	11	0.01
C103987		<1	0.01	<10	10.50	99	<1	0.02	3	420	3	0.04	2	<1	129	<0.01
C103988		<1	0.30	10	0.72	3210	16	0.01	27	960	4	1.64	<2	2	11	<0.01
C103989		<1	0.30	10	1.02	3410	8	0.02	19	740	3	1.46	<2	2	15	<0.01
C103990		1	0.32	10	0.39	1280	9	0.01	20	890	2	1.15	<2	1	8	<0.01
C103991		1	0.32	10	0.50	1775	12	0.01	14	880	3	1.08	<2	1	11	<0.01
C103992		<1	0.34	30	0.54	1555	13	0.01	27	850	<2	1.04	<2	2	7	0.01
C103993		<1	0.32	10	0.48	1495	5	0.01	10	730	<2	0.67	<2	1	6	<0.01
C103994		<1	0.29	20	0.68	1460	5	0.02	11	800	2	0.76	2	2	7	<0.01

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Finalized Date: 4-SEP-2006
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CERTIFICATE OF ANALYSIS VA06075585

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Cu-AA46 Cu % 0.01	ME-XRF05 U ppm 4
C103951		<10	20	22	<10	11		
C103952		<10	10	18	<10	4		
C103953		<10	20	24	<10	9		
C103954		<10	10	24	<10	7		
C103955		<10	<10	12	<10	4		
C103956		<10	10	18	<10	2		
C103957		<10	10	29	10	6		
C103958		<10	<10	18	<10	7		
C103959		<10	10	14	<10	7		
C103960		<10	<10	26	<10	11		
C103961		<10	<10	19	<10	11		
C103962		<10	<10	18	<10	19		
C103963		<10	10	22	<10	17		
C103964		<10	240	19	<10	22		234
C103965		<10	20	11	<10	28		
C103966		<10	<10	32	10	16		
C103967		<10	<10	32	10	14		
C103968		<10	<10	35	<10	9		
C103969		<10	<10	33	<10	5		
C103970		<10	<10	2	<10	7		
C103971		<10	<10	36	<10	11		
C103972		<10	<10	34	<10	7		
C103973		<10	<10	34	<10	5		
C103974		<10	30	25	<10	7		
C103975		<10	<10	19	<10	5		
C103976		<10	210	21	<10	8		205
C103977		<10	150	15	<10	7		144
C103978		<10	290	11	<10	2	0.94	288
C103979		<10	110	12	<10	<2		110
C103980		<10	110	24	<10	2	1.60	106
C103982		<10	90	30	<10	<2	1.10	
C103986		<10	110	10	<10	5		120
C103987		<10	<10	1	<10	5		
C103988		<10	20	9	<10	3		
C103989		<10	20	8	<10	2		
C103990		<10	10	7	<10	4		
C103991		<10	10	7	<10	5		
C103992		<10	10	14	<10	7		
C103993		<10	10	6	<10	3		
C103994		<10	10	9	<10	5		

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): TWENTY-SEVEN CAPITAL CORP
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Project: IGOR

Finalized Date: 4-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06075585

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C103995		5.02	<0.2	1.51	14	<10	380	0.6	<2	1.53	<0.5	34	11	1625	4.89	<10
C103996		3.56	<0.2	1.25	13	<10	530	0.5	<2	1.99	<0.5	43	11	1665	5.02	<10
C103997		2.60	0.4	2.89	34	10	140	1.1	<2	1.21	<0.5	90	20	466	9.01	10
C103998		3.42	0.3	3.53	11	<10	260	0.5	2	4.05	<0.5	75	24	263	12.20	<10
C103999		6.58	0.3	1.88	17	<10	90	<0.5	2	1.92	<0.5	168	17	109	13.20	<10
C104000		6.06	1.0	1.24	10	<10	60	<0.5	<2	0.61	<0.5	41	6	6660	5.82	<10
C104002		5.08	4.8	1.77	401	<10	10	<0.5	13	0.69	<0.5	1250	8	854	22.6	10
C104005		5.34	0.2	1.65	126	<10	30	<0.5	3	1.77	<0.5	357	14	286	17.7	10
C104006		6.78	0.2	1.35	55	<10	40	<0.5	<2	3.12	<0.5	144	18	377	12.95	<10
C104007		1.54	<0.2	0.07	<2	<10	170	<0.5	<2	22.7	<0.5	1	2	4	0.16	<10
C104008		7.08	0.2	1.28	32	<10	40	<0.5	2	2.59	<0.5	211	17	276	16.1	<10
C104009		4.54	0.5	0.93	194	<10	10	<0.5	2	2.46	<0.5	654	17	975	19.4	10
C104010		2.32	0.6	1.04	46	<10	50	<0.5	4	1.88	<0.5	675	5	1330	25.6	10
C104011		4.74	1.2	1.19	142	<10	40	<0.5	4	2.70	<0.5	579	9	174	22.2	<10
C104013		7.64	1.2	1.20	173	<10	30	<0.5	5	2.23	<0.5	480	7	585	24.1	<10
C104016		6.18	0.4	0.70	52	<10	40	<0.5	<2	2.69	<0.5	132	23	457	12.15	<10
C104017		5.12	0.2	0.82	50	<10	170	<0.5	<2	1.65	<0.5	133	31	58	9.13	<10
C104018		5.20	1.0	1.12	80	<10	110	<0.5	3	1.96	<0.5	257	15	266	26.4	10
C104020		4.66	0.6	0.95	75	<10	30	<0.5	3	2.05	<0.5	281	18	80	23.5	10
C104021		5.54	0.5	1.01	148	<10	60	<0.5	4	3.09	<0.5	340	28	63	16.0	<10
C104022		5.70	0.6	1.18	102	<10	120	<0.5	3	3.33	<0.5	190	24	81	17.6	10
C104023		5.10	0.3	1.85	89	<10	40	0.5	2	1.36	<0.5	161	8	474	7.47	<10
C104024		5.40	<0.2	1.43	22	<10	190	0.6	<2	1.58	<0.5	43	10	2880	3.29	<10
C104025		4.04	0.3	2.54	37	<10	100	0.5	<2	1.82	<0.5	48	11	68	9.82	<10
C104026		3.68	0.2	3.15	32	<10	80	0.6	2	0.66	<0.5	59	15	70	9.58	10

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Project: IGOR

Finalized Date: 4-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06075585

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C103995		<1	0.22	20	1.03	1785	3	0.02	14	630	2	0.45	<2	2	13	<0.01
C103996		<1	0.29	40	1.27	2910	4	0.02	13	820	3	0.59	2	3	30	<0.01
C103997		<1	0.29	40	1.64	1610	15	0.02	30	1000	4	0.85	<2	4	41	0.01
C103998		1	0.06	40	2.96	3590	48	0.03	36	1630	6	0.53	<2	13	97	0.01
C103999		2	0.07	140	1.35	2580	66	0.03	34	1980	6	1.21	<2	5	54	0.02
C104000		<1	0.14	20	0.85	771	36	<0.01	15	550	6	1.00	<2	1	510	0.01
C104002		4	0.06	<10	0.76	1585	116	0.02	111	1050	72	>10.0	2	1	49	0.02
C104005		1	0.07	80	1.55	5020	45	0.03	44	1530	2	3.14	<2	3	125	0.01
C104006		1	0.06	90	1.43	3200	40	0.04	35	1960	5	1.35	<2	6	104	0.03
C104007		<1	0.01	<10	11.40	138	<1	0.02	4	390	6	0.03	<2	1	140	<0.01
C104008		1	0.08	120	1.09	2780	69	0.05	38	2310	2	1.79	<2	6	42	0.03
C104009		1	0.06	40	1.11	2910	60	0.07	55	1160	6	6.18	2	5	17	0.02
C104010		1	0.04	170	1.09	3670	47	0.03	55	1190	3	5.93	2	4	13	0.02
C104011		1	0.04	10	1.29	4080	31	0.04	60	1240	17	6.45	5	5	20	0.01
C104013		2	0.04	10	1.11	3760	37	0.03	60	870	12	5.54	3	5	15	0.01
C104016		3	0.06	80	1.06	3180	22	0.05	49	860	7	1.72	<2	5	28	0.01
C104017		2	0.26	40	0.67	1640	5	0.07	43	460	3	1.59	<2	6	13	0.01
C104018		1	0.05	100	1.15	4300	56	0.03	64	710	9	2.64	<2	6	16	0.02
C104020		<1	0.06	130	1.05	3830	24	0.06	63	850	10	2.24	3	5	14	0.01
C104021		1	0.04	40	1.23	3070	32	0.07	59	970	8	4.57	<2	5	17	0.01
C104022		1	0.09	40	1.38	3240	48	0.09	59	940	4	2.60	2	7	21	0.01
C104023		1	0.35	40	0.99	2710	26	0.01	32	820	6	2.09	<2	2	19	<0.01
C104024		1	0.56	40	0.80	1445	13	0.01	12	810	2	0.62	<2	2	10	<0.01
C104025		<1	0.32	<10	2.24	5490	11	0.01	29	680	3	0.92	<2	4	7	0.01
C104026		<1	0.35	<10	1.73	2130	12	0.01	33	1160	3	1.22	2	4	6	0.02

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VANCOUVER BC V6B 1L8

Project: IGOR

Finalized Date: 4-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06075585

Sample Description	Method Analyte Units LOR	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Cu-AA46 Cu % 0.01	ME-XRF05 U ppm 4
C103995		<10	10	12	<10	12		
C103996		<10	10	15	<10	10		
C103997		<10	30	33	<10	32		
C103998		<10	<10	31	<10	38		
C103999		<10	10	40	<10	20		
C104000		<10	190	11	<10	16		198
C104002		10	120	31	10	22		110
C104005		10	10	57	<10	23		
C104006		10	<10	66	<10	17		
C104007		<10	<10	<1	<10	7		
C104008		10	<10	78	<10	15		
C104009		10	20	62	<10	15		
C104010		10	10	50	<10	17		
C104011		10	40	42	<10	23		
C104013		10	10	32	<10	19		
C104016		10	50	90	<10	8		
C104017		<10	60	67	<10	7		
C104018		10	140	82	<10	17		132
C104020		10	50	68	<10	13		
C104021		<10	40	56	<10	16		
C104022		10	30	91	<10	15		
C104023		10	40	15	<10	19		
C104024		<10	20	13	<10	7		
C104025		10	30	24	<10	23		
C104026		<10	10	32	<10	27		

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Finalized Date: 4-SEP-2006
Account: TWESEV

CERTIFICATE VA06075586

Project: IGOR

P.O. No.:

This report is for 11 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 24-JUL-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

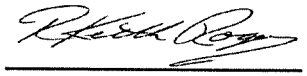
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
PUL-31	Pulverize split to 85% <75 um
SPL-21	Split sample - riffle splitter
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF05	Trace Level XRF Analysis	XRF
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Keith Rogers, Executive Manager Vancouver Laboratory

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Project: IGOR

Finalized Date: 4-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06075586

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-XRF05 U ppm 4	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
C103981		2.10	963	1.0	0.29	30	<10	40	<0.5	4	1.23	<0.5	104	30	9270	5.01
C103983		2.22	2150	1.6	0.53	98	<10	20	0.6	<2	1.31	<0.5	182	17	>10000	4.08
C103984		3.88	697	1.0	0.60	37	<10	50	0.5	4	1.48	<0.5	68	18	6960	2.85
C103985		3.70	366	1.2	0.61	43	<10	90	<0.5	3	2.08	<0.5	74	22	5710	3.99
C104001		3.72	847	2.1	0.59	22	<10	30	<0.5	6	1.08	<0.5	85	19	8770	5.57
C104003		5.06	285	5.5	1.41	479	<10	10	<0.5	12	0.42	<0.5	1205	30	492	19.0
C104004		2.62	814	3.4	0.84	353	<10	10	<0.5	7	0.81	<0.5	722	35	512	11.20
C104012		4.74	219	1.6	0.95	178	<10	10	<0.5	8	2.09	<0.5	615	28	440	17.2
C104014		6.84	150	1.6	0.88	162	<10	30	<0.5	4	2.20	<0.5	541	20	454	15.8
C104015		8.96	179	3.5	0.88	707	<10	<10	<0.5	13	0.49	<0.5	893	24	617	24.1
C104019		5.24	309	0.9	0.90	92	<10	50	<0.5	3	2.18	<0.5	254	18	109	19.0

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CERTIFICATE OF ANALYSIS VA06075586

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
C103981		<10	<1	0.22	<10	0.35	1720	149	0.01	32	570	36	1.39	3	1	179
C103983		<10	1	0.24	30	0.45	1780	132	0.01	53	660	52	2.23	5	2	117
C103984		<10	1	0.26	20	0.60	1930	41	0.01	20	730	15	1.23	3	1	167
C103985		<10	1	0.23	<10	0.85	2730	20	0.01	29	600	10	1.19	<2	2	19
C104001		<10	1	0.16	10	0.57	1160	39	0.01	16	680	26	1.94	2	1	305
C104003		<10	3	0.03	<10	0.61	629	120	0.04	111	820	45	>10.0	2	1	31
C104004		<10	3	0.05	<10	0.56	868	40	0.04	84	640	52	8.01	<2	3	29
C104012		<10	4	0.05	10	1.15	2930	89	0.04	57	820	19	7.96	2	4	12
C104014		<10	3	0.05	10	1.15	2950	58	0.03	55	1080	14	5.62	<2	5	14
C104015		<10	20	0.05	20	0.59	2620	69	0.03	117	1060	31	>10.0	4	2	10
C104019		<10	2	0.02	100	1.03	3240	48	0.03	58	710	13	2.32	2	5	16

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TO: TWENTY-SEVEN CAPITAL CORP
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: IGOR

Finalized Date: 4-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06075586

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Cu-AA46 Cu % 0.01
C103981		0.04	<10	940	10	<10	5	
C103983		0.08	<10	2110	8	10	5	1.48
C103984		0.02	<10	680	5	10	6	
C103985		0.01	<10	350	7	<10	5	
C104001		0.03	<10	840	10	<10	5	
C104003		0.02	<10	290	25	<10	17	
C104004		0.05	<10	830	14	10	13	
C104012		0.02	<10	230	34	<10	12	
C104014		0.01	<10	160	24	10	12	
C104015		0.01	<10	190	44	<10	10	
C104019		0.02	<10	290	51	<10	9	

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VANCOUVER BC V6B 1L8

Finalized ___e: 2-SEP-2006
Account: TWESEV

CERTIFICATE VA06079560

Project: IGOR

P.O. No.:

This report is for 61 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 4-AUG-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

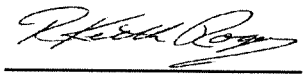
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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Signature: 

Keith Rogers, Executive Manager Vancouver Laboratory

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Project: IGOR

Finalized Date: 2-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06079560

Sample Description	Method	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
C104201		2.24	<0.2	0.76	10	<10	1820	<0.5	<2	4.50	<0.5	19	10	27	6.26	<10
C104202		2.72	<0.2	0.62	8	<10	1180	<0.5	<2	3.65	<0.5	15	13	10	4.65	<10
C104203		4.80	0.3	0.26	6	<10	920	<0.5	<2	3.58	<0.5	12	14	7	6.04	<10
C104204		7.16	2.1	0.68	25	<10	30	<0.5	7	6.53	<0.5	332	12	43	17.8	<10
C104205		4.44	1.1	0.68	8	<10	50	<0.5	<2	3.77	<0.5	99	17	17	12.80	<10
C104206		3.96	0.2	0.56	10	<10	50	<0.5	<2	3.29	<0.5	109	14	36	12.00	<10
C104207		7.10	0.3	1.80	9	<10	90	<0.5	<2	4.59	<0.5	101	8	746	13.55	<10
C104208		6.32	0.5	2.26	20	<10	50	<0.5	<2	5.11	<0.5	123	13	346	13.35	<10
C104209		7.94	0.3	4.07	19	<10	320	0.7	<2	2.81	<0.5	49	17	75	20.5	10
C104210		1.92	0.5	2.34	14	<10	70	<0.5	2	6.78	<0.5	58	17	160	11.00	<10
C104211		4.74	0.2	2.11	39	<10	40	0.5	<2	3.34	<0.5	102	9	107	9.82	<10
C104212		5.42	<0.2	1.91	21	<10	80	0.6	<2	2.80	<0.5	32	9	50	6.11	<10
C104213		6.66	0.2	1.43	28	<10	40	0.5	<2	1.13	<0.5	85	7	2270	7.48	<10
C104214		5.24	0.2	1.22	13	<10	50	<0.5	2	1.80	<0.5	56	8	387	9.23	<10
C104215		2.20	0.2	1.03	29	<10	40	<0.5	2	2.84	<0.5	104	4	699	8.64	<10
C104216		5.36	0.2	0.59	3	<10	530	<0.5	<2	3.37	<0.5	45	8	16	6.11	<10
C104217		5.04	<0.2	0.59	5	<10	70	<0.5	<2	1.88	<0.5	61	4	95	6.12	<10
C104218		5.64	<0.2	0.58	8	<10	90	<0.5	<2	1.71	<0.5	59	7	18	8.07	<10
C104219		6.14	0.2	0.53	12	<10	60	<0.5	<2	2.28	<0.5	72	3	998	9.89	<10
C104220		0.82	<0.2	0.05	<2	<10	210	<0.5	<2	19.3	<0.5	<1	2	3	0.14	<10
C104221		5.32	<0.2	0.47	9	<10	70	<0.5	<2	3.02	<0.5	102	3	125	6.71	<10
C104222		6.52	<0.2	0.41	9	<10	40	<0.5	<2	4.28	<0.5	120	5	111	4.90	<10
C104223		4.94	<0.2	0.44	5	<10	230	<0.5	<2	3.63	<0.5	44	2	1020	7.97	<10
C104224		7.44	<0.2	0.44	6	<10	60	<0.5	<2	3.71	<0.5	98	6	555	5.31	<10
C104225		5.84	<0.2	0.69	4	<10	180	<0.5	<2	3.34	<0.5	55	3	188	6.72	<10
C104226		6.12	<0.2	0.93	14	<10	70	<0.5	<2	3.24	<0.5	88	7	65	8.82	<10
C104227		3.44	<0.2	0.53	6	<10	430	<0.5	<2	1.36	<0.5	153	1	13	13.20	<10
C104228		4.48	<0.2	0.70	4	<10	1810	<0.5	<2	2.75	<0.5	55	8	6	8.11	<10
C104229		6.50	<0.2	0.90	<2	<10	1750	<0.5	<2	1.25	<0.5	67	7	8	10.10	<10
C104230		6.02	<0.2	0.92	2	<10	120	<0.5	<2	0.27	0.6	121	8	14	13.10	<10
C104231		5.36	<0.2	0.77	21	<10	70	<0.5	<2	0.42	0.8	139	4	1260	18.3	<10
C104232		5.92	0.3	0.36	53	<10	40	<0.5	<2	0.65	0.5	337	1	439	32.6	<10
C104233		5.12	0.2	0.61	36	<10	30	<0.5	<2	1.39	<0.5	209	3	2130	21.0	<10
C104234		4.78	0.2	0.80	19	<10	40	<0.5	<2	0.79	<0.5	132	3	617	18.3	<10
C104235		5.12	0.7	1.96	55	<10	30	0.5	3	4.68	0.5	222	5	6290	23.6	<10
C104236		4.62	1.3	1.29	258	<10	20	<0.5	21	2.07	0.7	616	9	5110	17.5	<10
C104237		4.88	0.8	1.54	103	<10	30	<0.5	<2	6.17	<0.5	301	3	8130	17.3	<10
C104238		4.06	<0.2	1.27	28	<10	40	<0.5	<2	1.74	<0.5	230	11	427	7.51	<10
C104239		5.44	0.4	1.08	78	<10	20	<0.5	4	4.92	<0.5	266	6	3820	8.34	<10
C104240		1.70	<0.2	0.23	<2	<10	170	<0.5	<2	18.8	<0.5	2	3	15	0.40	<10

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Project: IGOR

Finalized Date: 2-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06079560

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Ti % 0.01
C104201		1	0.29	20	1.55	4380	1	0.04	19	890	5	0.13	<2	4	109	0.03
C104202		<1	0.27	10	1.30	3290	2	0.04	15	930	2	0.08	<2	4	212	0.01
C104203		1	0.06	30	1.20	3370	3	0.05	14	980	<2	0.11	2	4	410	0.02
C104204		2	0.04	10	1.78	6500	73	0.07	52	3210	15	5.72	<2	8	146	0.01
C104205		3	0.02	30	1.28	5010	28	0.06	31	1780	11	1.25	3	6	279	0.01
C104206		<1	0.01	70	1.56	4970	21	0.04	27	2110	3	1.14	2	3	325	0.03
C104207		1	0.04	30	3.02	6950	29	0.03	29	1730	8	1.08	<2	3	287	0.01
C104208		3	0.02	30	3.33	5520	65	0.03	36	1620	7	1.28	<2	3	313	0.01
C104209		2	0.01	110	3.22	3220	37	0.02	84	2820	16	0.29	7	4	103	0.02
C104210		2	0.01	40	3.76	6020	22	0.04	38	1340	15	0.90	3	7	381	0.01
C104211		2	0.22	30	2.26	3020	19	0.03	45	1540	5	1.82	<2	4	64	0.01
C104212		1	0.28	10	2.34	2720	4	0.02	36	680	<2	1.17	<2	3	36	<0.01
C104213		2	0.34	10	2.16	2680	10	0.02	37	810	<2	2.37	2	3	17	<0.01
C104214		1	0.29	10	2.77	5520	18	0.02	27	900	2	2.03	<2	3	19	<0.01
C104215		3	0.29	10	2.62	4920	6	0.02	34	910	3	3.22	3	3	24	<0.01
C104216		1	0.33	10	1.88	5790	4	0.03	19	650	2	0.68	<2	3	37	<0.01
C104217		1	0.30	10	1.59	6600	3	0.02	14	640	12	0.77	<2	3	147	<0.01
C104218		1	0.29	10	1.78	8040	5	0.02	18	780	5	0.75	<2	3	80	<0.01
C104219		1	0.26	10	1.94	7470	10	0.02	19	920	4	0.85	<2	3	221	<0.01
C104220		<1	0.02	<10	10.40	155	<1	0.02	<1	340	2	0.01	<2	<1	126	<0.01
C104221		<1	0.26	10	1.99	5760	6	0.02	17	620	3	0.84	<2	3	220	<0.01
C104222		1	0.22	10	2.22	5070	3	0.02	20	590	2	1.43	<2	3	135	<0.01
C104223		<1	0.23	20	2.21	6410	7	0.02	14	900	3	0.37	<2	3	72	<0.01
C104224		2	0.23	10	2.04	5450	12	0.02	18	670	3	1.02	<2	3	103	<0.01
C104225		<1	0.25	10	2.33	6040	20	0.02	17	720	3	0.52	<2	3	67	<0.01
C104226		2	0.22	20	2.56	7540	6	0.02	31	1190	3	1.02	<2	4	51	<0.01
C104227		1	0.27	20	1.87	9780	7	0.02	29	830	4	0.77	<2	4	17	<0.01
C104228		<1	0.27	20	1.68	6360	3	0.01	19	820	4	0.16	<2	3	57	<0.01
C104229		<1	0.27	20	1.23	6460	1	0.01	19	600	5	0.11	<2	3	72	<0.01
C104230		1	0.23	20	1.12	7970	5	0.01	23	680	3	0.67	<2	3	61	<0.01
C104231		1	0.24	30	1.52	11600	13	0.01	25	1180	2	1.12	<2	3	60	<0.01
C104232		2	0.08	50	2.30	19250	27	0.01	41	1620	8	4.23	<2	2	25	<0.01
C104233		2	0.15	70	1.78	13050	22	0.01	30	1270	5	2.28	<2	2	122	<0.01
C104234		2	0.14	140	1.31	8950	19	0.01	22	1410	4	1.77	<2	2	174	<0.01
C104235		2	0.06	90	3.87	11000	27	0.02	47	2260	7	4.69	<2	3	72	<0.01
C104236		4	0.22	40	1.78	6040	45	0.02	52	1970	7	>10.0	<2	3	29	<0.01
C104237		1	0.13	60	3.93	9550	88	0.02	50	2220	5	5.90	<2	3	54	<0.01
C104238		1	0.24	10	1.49	4980	14	0.01	35	650	2	2.11	<2	3	56	<0.01
C104239		1	0.23	10	2.58	5110	53	0.02	32	1200	3	5.16	<2	3	91	<0.01
C104240		1	0.02	<10	10.65	151	<1	0.02	4	390	4	0.05	<2	1	124	0.01

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Project: IGOR

Finalized Date: 2-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06079560

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Cu-AA46 Cu % 0.01
C104201		<10	<10	17	<10	10	
C104202		<10	<10	16	<10	4	
C104203		<10	<10	23	<10	2	
C104204		<10	30	21	<10	2	
C104205		<10	30	44	<10	3	
C104206		<10	<10	31	<10	2	
C104207		10	10	27	<10	5	
C104208		10	10	34	10	7	
C104209		<10	<10	55	<10	19	
C104210		<10	<10	32	<10	9	
C104211		10	<10	25	<10	9	
C104212		<10	<10	8	<10	8	
C104213		<10	<10	10	<10	4	
C104214		<10	<10	9	<10	5	
C104215		<10	<10	8	<10	4	
C104216		<10	<10	6	<10	2	
C104217		<10	<10	6	<10	10	
C104218		<10	<10	6	<10	5	
C104219		<10	<10	9	<10	3	
C104220		<10	<10	1	<10	6	
C104221		<10	30	6	<10	3	
C104222		<10	<10	5	<10	2	
C104223		<10	<10	6	<10	2	
C104224		<10	<10	4	<10	2	
C104225		<10	<10	8	<10	4	
C104226		<10	<10	11	<10	5	
C104227		<10	<10	7	<10	4	
C104228		<10	<10	10	<10	3	
C104229		<10	<10	12	<10	4	
C104230		<10	<10	10	10	5	
C104231		<10	<10	14	<10	6	
C104232		<10	<10	24	10	10	
C104233		<10	<10	18	<10	7	
C104234		<10	<10	18	<10	7	
C104235		<10	<10	51	<10	14	
C104236		<10	<10	22	<10	8	
C104237		<10	<10	35	<10	9	
C104238		<10	<10	11	<10	6	
C104239		<10	20	15	<10	5	
C104240		<10	<10	11	<10	7	

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Finalized Date: 2-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06079560

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C104241		3.72	1.3	0.92	127	<10	30	<0.5	18	7.36	<0.5	320	<1	>10000	21.9	<10
C104242		5.68	0.6	0.46	66	<10	20	<0.5	<2	2.90	<0.5	301	<1	5410	22.3	<10
C104243		3.02	<0.2	0.69	18	<10	60	<0.5	<2	5.51	<0.5	133	4	177	5.76	<10
C104244		5.82	0.6	0.97	68	<10	20	<0.5	<2	1.58	<0.5	224	4	6430	21.8	<10
C104245		4.56	0.2	1.29	30	<10	50	<0.5	<2	1.44	<0.5	200	2	377	19.3	<10
C104246		4.72	0.7	0.81	39	<10	30	<0.5	3	5.74	<0.5	305	7	4320	9.34	<10
C104247		6.20	0.2	0.73	33	<10	30	<0.5	<2	4.98	<0.5	457	3	1155	9.72	<10
C104248		5.94	<0.2	0.67	13	<10	380	<0.5	<2	3.99	<0.5	66	10	40	3.75	<10
C104249		4.46	0.7	0.81	3	<10	360	<0.5	<2	4.95	<0.5	37	5	242	4.54	<10
C104250		6.40	0.6	1.84	55	<10	20	<0.5	2	1.46	<0.5	368	5	3960	26.9	<10
C104251		8.42	<0.2	0.75	31	<10	110	<0.5	<2	2.05	<0.5	152	<1	86	25.2	<10
C104252		5.38	0.5	0.77	72	<10	30	<0.5	5	4.85	<0.5	286	4	3100	13.85	<10
C104253		6.12	0.2	0.70	35	<10	40	<0.5	<2	2.36	<0.5	132	3	1050	10.35	<10
C104254		6.20	<0.2	0.75	15	<10	120	<0.5	<2	3.98	<0.5	54	8	194	5.97	<10
C104255		5.96	<0.2	0.63	5	<10	210	<0.5	<2	3.89	<0.5	22	4	175	6.18	<10
C104256		4.74	1.3	1.19	132	<10	30	<0.5	13	6.04	<0.5	277	4	4400	19.6	<10
C104257		4.40	<0.2	2.09	34	<10	40	<0.5	<2	4.99	<0.5	112	5	584	17.8	<10
C104258		5.76	0.3	0.68	64	<10	30	<0.5	<2	2.82	<0.5	234	5	1185	10.85	<10
C104259		4.14	0.2	0.91	23	10	60	0.6	2	4.55	<0.5	41	6	574	5.14	<10
C104260		1.68	<0.2	0.05	<2	<10	790	<0.5	<2	18.9	<0.5	1	2	15	0.14	<10
C104261		2.66	1.2	3.36	53	10	20	1.5	5	5.06	<0.5	176	15	269	16.9	10

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CERTIFICATE OF ANALYSIS VA06079560

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Ti % 0.01
C104241		4	0.08	80	3.80	9840	45	0.02	36	2880	9	>10.0	<2	2	53	<0.01
C104242		2	0.01	140	2.82	13250	31	0.01	22	1970	10	4.38	<2	1	131	<0.01
C104243		1	0.17	10	2.79	5840	13	0.01	14	680	3	1.14	<2	3	144	<0.01
C104244		1	0.06	70	2.35	12800	19	0.01	29	3000	6	3.58	<2	2	123	<0.01
C104245		<1	0.03	110	2.06	8530	35	0.01	32	2750	6	1.34	<2	2	252	0.01
C104246		1	0.18	10	2.21	6400	53	0.02	23	730	5	3.24	<2	3	112	<0.01
C104247		1	0.22	10	2.16	7220	30	0.02	24	610	3	2.30	<2	3	131	<0.01
C104248		1	0.22	10	1.36	3820	6	0.01	10	540	<2	0.20	<2	3	224	<0.01
C104249		1	0.20	20	1.86	4670	71	0.01	15	720	7	0.20	<2	3	228	<0.01
C104250		2	0.03	130	2.51	11650	111	0.01	48	3310	11	3.49	<2	3	75	0.01
C104251		1	0.03	210	1.76	11250	26	0.02	31	6190	9	0.57	<2	2	313	0.01
C104252		1	0.14	140	3.14	11400	170	0.02	32	1600	4	3.25	<2	2	120	<0.01
C104253		1	0.21	40	2.14	7730	22	<0.01	28	1040	4	1.93	<2	3	230	<0.01
C104254		<1	0.25	40	2.00	5260	9	<0.01	21	830	3	0.49	<2	3	195	<0.01
C104255		<1	0.21	60	2.07	5180	7	<0.01	16	790	3	0.25	<2	2	330	<0.01
C104256		3	0.08	260	3.50	9480	60	<0.01	59	3550	10	7.15	2	2	118	<0.01
C104257		1	0.11	140	3.73	9190	15	<0.01	48	2180	7	1.62	<2	3	213	<0.01
C104258		1	0.19	60	2.25	7890	18	<0.01	32	1260	5	3.03	<2	2	302	<0.01
C104259		1	0.35	30	2.06	5200	6	0.01	14	810	3	1.25	<2	4	86	<0.01
C104260		<1	0.01	<10	10.65	157	<1	<0.01	<1	370	2	0.06	<2	<1	140	<0.01
C104261		4	0.16	10	3.98	5870	31	0.01	47	1410	17	5.01	<2	8	49	<0.01

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: TWENTY-SEVEN CAPITAL CORP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: IGOR

Finalized Date: 2-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06079560

Sample Description	Method Analyte Units LOR	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Cu-AA46 Cu % 0.01
C104241		<10	<10	31	<10	6	1.09
C104242		<10	<10	16	10	9	
C104243		<10	<10	9	<10	4	
C104244		<10	<10	19	10	10	
C104245		<10	<10	30	10	8	
C104246		<10	10	9	<10	5	
C104247		<10	<10	10	<10	3	
C104248		<10	<10	7	<10	3	
C104249		<10	50	8	<10	4	
C104250		<10	<10	35	10	13	
C104251		<10	<10	46	<10	7	
C104252		<10	<10	21	<10	11	
C104253		<10	<10	12	<10	6	
C104254		<10	<10	11	<10	4	
C104255		<10	<10	10	<10	3	
C104256		<10	<10	47	<10	11	
C104257		<10	<10	28	<10	10	
C104258		<10	<10	25	<10	4	
C104259		<10	<10	13	<10	4	
C104260		<10	<10	1	<10	6	
C104261		<10	<10	44	<10	26	

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Finalized _ _.e: 4-SEP-2006
Account: TWESEV

CERTIFICATE VA06079563

Project: IGOR

P.O. No.:

This report is for 44 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 4-AUG-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

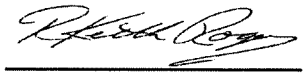
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

Signature: 

Keith Rogers, Executive Manager Vancouver Laboratory

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Project: IGOR

Finalized Date: 4-SEP-2006
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CERTIFICATE OF ANALYSIS VA06079563

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C104151		1.04	0.6	1.29	<2	<10	2020	0.5	<2	3.97	<0.5	8	15	9	5.01	<10
C104154		5.62	<0.2	1.00	9	<10	70	<0.5	<2	3.44	<0.5	128	7	37	15.9	<10
C104155		6.20	<0.2	1.44	12	<10	100	<0.5	<2	2.52	<0.5	128	8	20	18.9	<10
C104156		6.00	<0.2	1.38	10	<10	100	<0.5	<2	5.44	<0.5	153	6	72	23.0	<10
C104157		6.34	0.2	2.13	12	<10	30	<0.5	<2	6.36	<0.5	194	8	128	17.7	<10
C104158		6.40	<0.2	2.97	2	<10	70	0.5	<2	4.29	<0.5	117	15	164	17.0	<10
C104159		5.88	<0.2	1.97	17	<10	20	0.6	<2	3.33	<0.5	162	6	58	7.69	<10
C104160		5.52	<0.2	1.51	6	<10	60	0.5	<2	3.31	<0.5	79	6	15	5.31	<10
C104161		5.68	<0.2	1.13	5	<10	50	<0.5	<2	2.65	<0.5	69	5	48	6.33	<10
C104162		6.12	<0.2	0.72	4	<10	170	<0.5	<2	1.44	<0.5	40	5	1385	7.36	<10
C104163		6.20	<0.2	0.52	2	<10	900	<0.5	<2	3.96	<0.5	26	5	47	7.06	<10
C104164		5.94	<0.2	0.57	<2	<10	660	<0.5	<2	3.42	<0.5	51	5	9	6.41	<10
C104165		4.82	<0.2	0.53	<2	<10	1660	<0.5	<2	1.30	<0.5	16	4	4	8.00	<10
C104166		6.14	<0.2	0.49	<2	<10	1070	<0.5	<2	4.82	<0.5	37	3	3	5.14	<10
C104167		6.56	<0.2	0.47	3	<10	1440	<0.5	<2	1.71	<0.5	40	3	5	10.45	<10
C104168		6.22	<0.2	0.51	20	<10	30	<0.5	<2	4.64	<0.5	218	3	52	6.36	<10
C104169		5.68	<0.2	0.46	4	<10	80	<0.5	<2	5.47	<0.5	100	3	40	5.36	<10
C104170		2.02	<0.2	0.06	<2	<10	230	<0.5	<2	21.1	<0.5	<1	2	2	0.12	<10
C104171		5.84	<0.2	0.46	7	<10	70	<0.5	<2	6.67	<0.5	105	3	4	6.79	<10
C104172		5.52	<0.2	0.55	11	<10	50	<0.5	<2	5.32	<0.5	223	4	5	5.44	<10
C104173		4.86	<0.2	0.50	5	<10	1130	<0.5	2	5.16	<0.5	47	3	21	5.98	<10
C104174		3.74	<0.2	0.48	<2	<10	2420	<0.5	<2	4.57	<0.5	8	3	65	2.47	<10
C104175		6.42	1.3	0.39	31	<10	20	<0.5	14	1.39	<0.5	37	3	>10000	15.7	<10
C104176		4.06	0.3	0.49	72	<10	40	<0.5	10	1.91	<0.5	135	3	813	14.7	<10
C104177		4.82	0.2	0.57	73	<10	30	<0.5	10	2.69	<0.5	158	5	503	8.24	<10
C104178		3.02	1.3	0.54	14	<10	30	<0.5	6	4.55	<0.5	35	4	>10000	6.17	<10
C104179		4.20	0.8	0.56	10	<10	50	<0.5	<2	3.06	<0.5	27	5	9950	4.86	<10
C104180		4.32	<0.2	0.60	12	<10	100	<0.5	<2	1.00	<0.5	37	4	1090	6.45	<10
C104181		6.28	<0.2	0.51	6	<10	90	<0.5	<2	5.14	<0.5	74	4	45	5.87	<10
C104182		6.48	<0.2	0.51	5	<10	110	<0.5	<2	4.00	<0.5	95	3	27	6.41	<10
C104183		5.74	<0.2	0.51	8	<10	80	<0.5	<2	4.66	<0.5	198	3	9	6.92	<10
C104184		5.56	<0.2	0.41	3	<10	3340	<0.5	<2	5.69	<0.5	15	3	20	5.01	<10
C104185		6.52	<0.2	0.41	<2	<10	1490	<0.5	<2	4.87	<0.5	21	3	6	5.40	<10
C104186		6.10	<0.2	0.39	<2	<10	3040	<0.5	<2	5.07	<0.5	13	4	10	4.05	<10
C104187		5.70	<0.2	0.48	<2	<10	1100	<0.5	<2	4.18	<0.5	25	4	11	5.48	<10
C104188		5.84	<0.2	0.44	4	<10	660	<0.5	<2	3.01	<0.5	37	4	11	8.77	<10
C104189		6.36	<0.2	0.44	23	<10	30	<0.5	<2	4.31	<0.5	191	3	16	6.38	<10
C104190		1.38	<0.2	0.08	<2	<10	50	<0.5	<2	19.0	<0.5	<1	3	6	0.18	<10
C104191		4.64	<0.2	0.48	11	<10	920	<0.5	<2	3.23	<0.5	53	4	115	3.20	<10
C104192		5.50	0.4	0.51	228	<10	30	<0.5	12	3.57	<0.5	117	4	1980	7.17	<10

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Project: IGOR

Finalized Date: 4-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06079563

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C104151		<1	0.60	40	1.48	3530	2	0.04	13	630	4	0.08	123	4	152	0.03
C104154		<1	0.01	40	1.61	5080	25	0.04	36	2000	4	1.26	39	4	583	0.03
C104155		<1	0.01	60	1.80	4530	28	0.02	40	2220	7	0.96	10	3	380	0.04
C104156		1	<0.01	50	3.03	9900	38	0.02	53	2420	10	1.41	3	4	209	0.03
C104157		1	0.01	10	3.84	7820	41	0.02	99	2260	8	3.53	2	5	154	0.01
C104158		1	0.02	30	3.57	5520	27	0.02	49	1640	5	1.26	<2	4	188	0.02
C104159		2	0.27	<10	2.24	2570	23	0.02	54	710	2	4.02	<2	3	70	<0.01
C104160		1	0.32	10	1.79	2640	6	0.02	32	730	<2	1.71	4	3	36	<0.01
C104161		1	0.32	10	2.05	4030	3	0.02	33	700	2	1.62	<2	3	23	<0.01
C104162		1	0.28	20	3.04	5120	3	0.02	15	690	<2	0.51	2	3	56	<0.01
C104163		1	0.25	10	2.17	5970	6	0.02	14	580	2	0.15	3	3	98	<0.01
C104164		1	0.27	10	1.98	5320	4	0.02	14	660	<2	0.26	<2	3	59	<0.01
C104165		1	0.27	10	2.72	7070	2	0.02	16	630	2	0.08	<2	3	31	<0.01
C104166		<1	0.25	10	2.75	5290	5	0.02	14	650	2	0.30	<2	3	41	<0.01
C104167		<1	0.24	10	3.41	9950	4	0.02	22	530	2	0.26	<2	3	30	<0.01
C104168		<1	0.26	<10	1.77	4340	5	0.02	37	640	3	3.46	<2	3	95	<0.01
C104169		1	0.25	10	2.40	5420	4	0.02	21	640	<2	0.93	<2	3	90	<0.01
C104170		<1	0.02	<10	11.35	138	<1	0.02	3	360	<2	<0.01	<2	<1	125	<0.01
C104171		1	0.24	<10	2.62	6520	5	0.02	24	580	2	1.14	<2	4	56	<0.01
C104172		2	0.27	10	2.01	4650	1	0.02	28	670	3	1.88	<2	3	42	<0.01
C104173		1	0.27	10	2.11	5670	3	0.02	19	660	<2	0.26	<2	3	68	<0.01
C104174		<1	0.26	20	1.91	3520	2	0.02	7	660	<2	0.15	<2	3	53	<0.01
C104175		2	0.17	<10	1.54	6420	5	0.02	99	510	4	4.39	<2	7	27	<0.01
C104176		1	0.26	20	1.98	8550	46	0.02	39	780	4	2.45	<2	3	42	<0.01
C104177		1	0.28	10	1.57	4920	22	0.02	37	720	4	3.20	<2	3	38	<0.01
C104178		<1	0.24	10	2.10	4580	7	0.02	19	630	<2	3.06	<2	9	80	<0.01
C104179		1	0.29	10	1.68	4250	4	0.02	13	680	<2	1.76	<2	4	54	<0.01
C104180		<1	0.27	10	1.31	6580	6	0.02	19	620	<2	0.66	<2	3	116	<0.01
C104181		<1	0.26	10	2.71	6610	2	0.02	19	710	<2	0.87	<2	4	41	<0.01
C104182		1	0.28	10	1.83	5310	11	0.02	20	670	2	0.92	<2	3	29	<0.01
C104183		1	0.25	10	2.40	7860	5	0.02	17	580	<2	0.94	<2	3	36	<0.01
C104184		<1	0.22	10	2.25	5910	8	0.01	13	770	<2	0.12	<2	3	76	<0.01
C104185		<1	0.23	10	1.97	5930	4	0.01	12	710	3	0.10	<2	3	50	<0.01
C104186		<1	0.22	10	2.13	5500	1	0.01	7	610	<2	0.12	<2	3	74	<0.01
C104187		<1	0.24	10	1.73	5550	6	0.01	15	700	<2	0.19	<2	3	59	<0.01
C104188		<1	0.22	10	2.01	8280	18	<0.01	16	610	3	0.43	<2	3	25	<0.01
C104189		2	0.24	<10	1.81	4610	4	<0.01	31	620	3	3.33	<2	3	28	<0.01
C104190		<1	0.02	<10	10.35	166	<1	<0.01	5	410	<2	<0.01	<2	<1	119	<0.01
C104191		<1	0.25	10	1.24	3050	16	<0.01	11	740	<2	0.45	<2	3	34	<0.01
C104192		1	0.23	<10	1.80	5280	18	<0.01	44	710	3	4.00	<2	4	24	<0.01

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Project: IGOR

Finalized Date: 4-SEP-2006
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CERTIFICATE OF ANALYSIS VA06079563

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Cu-AA46 Cu % 0.01
C104151		<10	<10	20	<10	4	
C104154		<10	10	34	<10	6	
C104155		<10	10	47	10	10	
C104156		<10	<10	50	10	10	
C104157		<10	10	35	10	10	
C104158		<10	10	59	<10	12	
C104159		<10	20	8	<10	8	
C104160		<10	10	8	<10	6	
C104161		<10	<10	7	<10	5	
C104162		<10	<10	7	<10	3	
C104163		<10	<10	7	<10	3	
C104164		<10	<10	8	<10	3	
C104165		<10	<10	6	<10	2	
C104166		<10	<10	6	<10	2	
C104167		<10	<10	6	<10	4	
C104168		<10	<10	5	<10	2	
C104169		<10	10	5	<10	2	
C104170		<10	<10	1	<10	6	
C104171		<10	<10	6	<10	3	
C104172		<10	<10	5	<10	3	
C104173		<10	<10	6	<10	4	
C104174		<10	<10	5	<10	2	
C104175		<10	10	8	<10	3	5.00
C104176		<10	10	8	<10	5	
C104177		<10	10	6	<10	3	
C104178		<10	10	7	<10	<2	2.12
C104179		<10	10	7	<10	<2	
C104180		<10	<10	6	<10	2	
C104181		<10	<10	5	<10	3	
C104182		<10	<10	5	<10	2	
C104183		<10	<10	5	<10	4	
C104184		<10	<10	4	<10	4	
C104185		<10	<10	5	<10	3	
C104186		<10	<10	5	<10	2	
C104187		<10	<10	6	<10	3	
C104188		<10	<10	8	<10	4	
C104189		<10	<10	4	<10	2	
C104190		<10	<10	2	<10	6	
C104191		<10	<10	5	<10	<2	
C104192		<10	20	6	<10	2	

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Account: TWESEV

CERTIFICATE OF ANALYSIS VA06079563

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C104193		5.68	<0.2	0.65	13	<10	170	<0.5	<2	5.06	<0.5	50	5	68	8.35	<10
C104194		5.56	<0.2	0.82	4	<10	1630	<0.5	<2	6.01	<0.5	16	5	37	6.84	<10
C104195		7.50	<0.2	0.55	10	<10	710	<0.5	<2	3.63	<0.5	35	4	30	12.35	<10
C104196		3.80	<0.2	0.66	6	<10	1550	<0.5	<2	5.55	<0.5	16	5	183	5.07	<10

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Project: IGOR

Finalized Date: 4-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06079563

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C104193		1	0.25	<10	2.34	7370	6	<0.01	21	750	2	0.66	<2	4	55	<0.01
C104194		<1	0.25	10	2.57	7320	12	0.01	20	650	2	0.11	<2	4	81	<0.01
C104195		1	0.23	20	1.76	7680	43	<0.01	22	960	<2	0.23	<2	4	35	<0.01
C104196		<1	0.22	10	2.19	5820	15	<0.01	14	670	2	0.14	<2	3	59	<0.01

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Project: IGOR

Finalized Date: 4-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06079563

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
	Analyte	Tl	U	V	W	Zn	Cu
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	10	10	1	10	2	0.01
C104193		<10	<10	9	<10	7	
C104194		<10	<10	10	<10	8	
C104195		<10	<10	9	<10	6	
C104196		<10	10	7	<10	4	

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Finalized Date: 8-SEP-2006
Account: TWESEV

CERTIFICATE VA06080600

Project: IGOR

P.O. No.:

This report is for 2 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 4-AUG-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF05	Trace Level XRF Analysis	XRF
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

Signature:
Keith Rogers, Executive Manager Vancouver Laboratory

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Project: IGOR

Finalized Date: 8-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06080600

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C104152		2.48	0.6	0.47	13	<10	20	<0.5	<2	4.76	<0.5	208	28	150	10.00	<10
C104153		2.60	0.5	0.45	9	<10	30	<0.5	<2	4.62	<0.5	77	24	30	8.39	<10

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Project: IGOR

Finalized Date: 8-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06080600

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C104152		1	0.04	10	1.42	5990	71	0.07	44	1890	1155	2.72	4	9	216	0.03
C104153		2	0.03	10	1.22	5210	171	0.12	31	1490	42	2.15	<2	7	377	0.03

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Project: IGOR

Finalized Date: 8-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06080600

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-XRF05
	Analyte	Tl	U	V	W	Zn	U
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	10	1	10	2	4
C104152		<10	5030	22	10	6	5000
C104153		<10	580	18	<10	3	567

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Finalized Date: 6-SEP-2006
Account: TWESEV

CERTIFICATE VA06083163

Project: IGOR

P.O. No.:

This report is for 23 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-AUG-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Keith Rogers, Executive Manager Vancouver Laboratory

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Project: IGOR

Finalized Date: 6-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083163

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C104101		5.86	<0.2	1.35	<2	<10	2080	<0.5	<2	3.88	<0.5	11	21	74	4.27	<10
C104102		2.64	<0.2	7.25	12	20	120	2.5	<2	0.27	<0.5	203	34	46	17.4	10
C104104		7.98	1.5	2.56	181	<10	50	<0.5	10	0.46	<0.5	664	8	129	29.0	<10
C104105		1.64	0.4	1.90	33	<10	110	<0.5	2	0.62	<0.5	237	7	137	23.9	<10
C104106		6.00	<0.2	2.41	8	<10	1220	<0.5	<2	3.91	<0.5	19	21	40	7.96	<10
C104107		6.12	<0.2	1.56	8	<10	100	<0.5	<2	4.12	<0.5	14	17	6	5.66	<10
C104108		5.78	<0.2	1.49	11	<10	130	<0.5	<2	4.60	<0.5	14	18	8	5.68	<10
C104109		6.34	<0.2	1.56	12	10	3180	<0.5	<2	4.47	<0.5	11	19	9	6.48	<10
C104110		4.44	<0.2	1.32	7	<10	320	<0.5	<2	4.52	<0.5	38	19	32	7.19	<10
C104111		5.64	0.5	0.46	161	<10	130	<0.5	3	4.32	<0.5	260	16	100	16.6	<10
C104112		4.80	<0.2	0.81	19	<10	120	<0.5	<2	3.68	<0.5	40	21	33	4.59	<10
C104113		6.56	<0.2	0.82	27	<10	80	<0.5	<2	4.63	<0.5	62	14	90	5.76	<10
C104114		4.08	<0.2	2.84	20	<10	390	0.7	<2	4.44	<0.5	39	17	53	7.98	<10
C104115		6.54	1.1	1.00	151	<10	80	<0.5	13	9.22	<0.5	210	7	383	17.1	<10
C104116		3.74	0.7	1.17	141	<10	60	<0.5	5	5.35	<0.5	167	8	307	10.75	<10
C104117		5.38	1.5	0.75	126	<10	50	<0.5	11	6.99	<0.5	138	7	101	16.7	<10
C104118		0.64	1.2	1.03	132	<10	50	<0.5	18	7.41	<0.5	173	7	339	20.5	<10
C104119		5.88	<0.2	0.71	26	<10	270	<0.5	3	0.81	<0.5	61	7	42	10.80	<10
C104120		1.80	<0.2	0.05	<2	<10	130	<0.5	<2	20.4	<0.5	1	1	4	0.17	<10
C104121		5.50	<0.2	0.76	19	<10	390	<0.5	2	0.51	<0.5	52	5	39	11.60	<10
C104122		5.92	<0.2	0.65	23	<10	310	<0.5	2	0.31	<0.5	56	6	16	12.65	<10
C104123		4.32	<0.2	0.79	15	<10	250	<0.5	2	0.26	<0.5	48	6	24	11.05	<10
C104124		2.24	<0.2	0.66	43	<10	200	<0.5	4	0.33	<0.5	70	7	72	13.60	<10

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Project: IGOR

Finalized Date: 6-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083163

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C104101		<1	0.14	110	2.15	2340	52	0.08	12	570	4	0.21	<2	6	62	0.01
C104102		1	0.31	<10	2.72	349	24	<0.01	88	1080	2	1.81	<2	7	10	<0.01
C104104		1	0.03	30	1.53	10300	56	<0.01	105	1240	10	>10.0	<2	11	12	0.01
C104105		<1	0.06	10	2.02	14850	23	<0.01	45	1530	5	1.81	<2	7	26	0.01
C104106		1	0.34	20	2.68	2310	8	0.02	17	900	<2	0.10	<2	5	32	0.04
C104107		1	0.42	30	2.43	2030	7	0.04	12	780	<2	0.06	<2	5	10	0.04
C104108		<1	0.40	30	2.70	1975	6	0.05	9	770	<2	0.02	<2	6	13	0.04
C104109		1	0.51	30	2.54	2660	9	0.05	12	730	3	0.11	<2	6	77	0.05
C104110		<1	0.39	50	2.34	3700	8	0.06	20	880	<2	1.09	<2	6	49	0.03
C104111		1	0.06	<10	1.60	3390	26	0.06	48	1200	6	>10.0	<2	5	60	<0.01
C104112		<1	0.12	20	1.77	2640	10	0.07	15	780	<2	0.76	<2	4	126	0.01
C104113		<1	0.25	10	2.10	3550	10	0.02	16	630	4	2.26	<2	5	31	0.01
C104114		<1	0.28	30	3.18	3360	13	0.01	41	870	2	0.78	<2	7	24	0.01
C104115		<1	0.24	10	3.49	7920	49	0.01	65	1030	2	>10.0	<2	4	49	<0.01
C104116		<1	0.37	<10	2.00	4430	13	0.01	63	920	2	8.33	<2	4	34	<0.01
C104117		1	0.28	<10	2.39	5450	16	0.01	45	780	2	>10.0	<2	3	41	<0.01
C104118		<1	0.22	10	2.67	7240	20	0.01	61	1010	6	>10.0	<2	4	38	<0.01
C104119		<1	0.36	20	1.30	8650	10	0.02	31	650	2	1.33	<2	4	6	<0.01
C104120		<1	0.02	<10	10.85	152	<1	<0.01	<1	400	<2	<0.01	<2	<1	126	<0.01
C104121		<1	0.35	20	1.27	9940	7	0.02	36	610	<2	0.81	<2	4	9	<0.01
C104122		<1	0.34	10	1.25	10550	6	0.02	35	650	4	1.06	<2	4	6	<0.01
C104123		<1	0.40	10	1.12	9400	6	0.02	30	720	<2	0.65	<2	4	5	<0.01
C104124		<1	0.32	10	1.36	11150	7	0.02	39	680	<2	1.74	<2	5	5	<0.01

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Project: IGOR

Finalized Date: 6-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083163

Sample Description	Method Analyte Units LOR	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
C104101		<10	90	15	<10	18
C104102		<10	10	27	<10	80
C104104		<10	20	62	<10	41
C104105		<10	20	27	<10	28
C104106		<10	<10	21	<10	26
C104107		<10	<10	21	<10	11
C104108		<10	<10	25	<10	9
C104109		<10	<10	25	<10	12
C104110		<10	<10	26	<10	10
C104111		<10	<10	33	<10	14
C104112		<10	<10	17	<10	12
C104113		<10	10	14	<10	9
C104114		<10	10	23	<10	33
C104115		<10	<10	19	<10	13
C104116		<10	<10	18	<10	8
C104117		<10	<10	13	<10	5
C104118		<10	<10	20	<10	9
C104119		<10	<10	8	<10	3
C104120		<10	<10	1	<10	6
C104121		<10	<10	9	<10	4
C104122		<10	<10	8	<10	9
C104123		<10	10	9	<10	5
C104124		<10	<10	10	<10	6

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Finalized [illegible]: 20-SEP-2006
Account: TWESEV

CERTIFICATE VA06083164

Project: IGOR

P.O. No.:

This report is for 1 Drill Core sample submitted to our lab in Vancouver, BC, Canada on 14-AUG-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

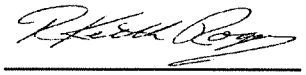
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF05	Trace Level XRF Analysis	XRF
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
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Signature: 

Keith Rogers, Executive Manager Vancouver Laboratory

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Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083164

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C104103		4.16	2.1	5.21	145	10	10	1.2	8	0.56	<0.5	507	16	295	22.7	10

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VANCOUVER BC V6B 1L8

Project: IGOR

Finalized Date: 20-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083164

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Ti % 0.01
C104103		4	0.07	10	2.10	846	96	0.01	135	2620	28	7.99	4	8	16	0.04

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Project: IGOR

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Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083164

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	ME-XRF05 U ppm 4
C104103		10	830	43	<10	70	850

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Finalized Date: 20-SEP-2006
Account: TWESEV

CERTIFICATE VA06083165

Project: IGOR

P.O. No.:

This report is for 32 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-AUG-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

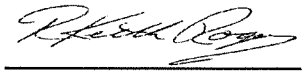
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF05	Trace Level XRF Analysis	XRF
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Keith Rogers, Executive Manager Vancouver Laboratory

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Project: IGOR

Finalized Date: 20-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083165

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C104051		3.12	<0.2	0.78	4	<10	50	<0.5	<2	3.51	<0.5	7	26	120	5.04	<10
C104052		5.44	<0.2	0.80	9	<10	1000	<0.5	<2	4.43	<0.5	8	21	701	5.15	<10
C104053		5.82	<0.2	0.93	5	<10	2320	<0.5	<2	5.20	<0.5	8	17	829	5.47	<10
C104054		5.02	<0.2	1.74	14	<10	140	<0.5	<2	3.58	<0.5	50	12	195	9.85	<10
C104055		4.86	<0.2	1.03	39	<10	30	<0.5	<2	2.57	<0.5	74	9	26	11.00	<10
C104056		4.48	0.3	0.87	34	<10	90	<0.5	<2	3.10	<0.5	34	2	25	18.2	<10
C104057		5.86	0.2	2.21	36	<10	40	<0.5	<2	2.68	<0.5	116	11	259	17.4	<10
C104058		5.24	0.8	1.30	65	<10	20	<0.5	2	5.12	<0.5	172	9	420	11.75	<10
C104059		5.48	0.4	1.60	54	<10	20	<0.5	<2	6.41	<0.5	133	8	38	12.10	<10
C104060		4.10	0.2	1.69	47	<10	30	<0.5	<2	3.46	<0.5	83	8	31	11.05	<10
C104061		5.58	<0.2	1.60	30	<10	30	<0.5	<2	1.61	<0.5	75	10	48	7.08	<10
C104062		6.06	0.2	1.43	18	<10	50	<0.5	<2	2.12	<0.5	99	11	245	6.47	<10
C104063		6.02	<0.2	1.54	5	<10	190	<0.5	<2	1.83	<0.5	60	15	59	6.19	<10
C104064		6.10	<0.2	1.51	10	<10	180	<0.5	<2	2.05	<0.5	71	17	50	6.65	<10
C104065		4.16	<0.2	2.73	15	<10	160	0.5	2	3.32	<0.5	105	14	64	13.00	<10
C104066		7.48	<0.2	0.81	22	<10	50	<0.5	<2	2.87	<0.5	221	1	39	19.3	<10
C104067		8.38	<0.2	1.00	26	<10	40	<0.5	<2	1.07	<0.5	198	2	17	18.9	<10
C104068		8.66	<0.2	1.38	17	<10	60	<0.5	<2	1.90	<0.5	106	2	74	16.1	<10
C104069		1.90	<0.2	0.06	<2	<10	490	<0.5	<2	20.0	<0.5	<1	3	2	0.19	<10
C104070		6.12	<0.2	1.27	18	<10	430	<0.5	<2	3.19	<0.5	59	13	18	10.05	<10
C104071		7.46	<0.2	0.88	34	<10	60	<0.5	<2	2.58	<0.5	238	8	39	11.75	<10
C104072		6.46	<0.2	0.93	15	<10	100	<0.5	<2	2.51	<0.5	96	11	79	7.57	<10
C104073		6.72	<0.2	0.79	8	<10	450	<0.5	<2	2.56	<0.5	42	12	18	8.40	<10
C104074		6.78	<0.2	1.25	4	<10	1050	<0.5	<2	2.14	<0.5	34	13	21	9.67	<10
C104075		6.22	<0.2	1.03	3	<10	570	<0.5	<2	3.39	<0.5	44	17	89	6.55	<10
C104076		5.76	<0.2	1.38	9	<10	910	<0.5	<2	2.09	<0.5	32	16	323	4.63	<10
C104077		3.80	<0.2	1.69	9	<10	440	<0.5	<2	2.15	<0.5	42	14	809	6.93	<10
C104078		5.50	<0.2	3.18	3	<10	1460	1.0	<2	4.97	<0.5	38	16	138	7.41	<10
C104079		6.36	<0.2	1.95	7	<10	540	0.5	<2	4.09	<0.5	41	14	143	6.06	<10
C104082		4.00	<0.2	1.72	6	<10	1150	0.8	<2	1.04	<0.5	12	10	235	3.42	<10
C104083		5.12	<0.2	0.72	5	<10	990	<0.5	<2	0.15	<0.5	2	4	309	0.78	<10
C104084		1.74	<0.2	0.06	<2	<10	70	<0.5	<2	19.7	<0.5	<1	2	4	0.11	<10

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Project: IGOR

Finalized Date: 20-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083165

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C104051		<1	0.14	40	1.80	1860	<1	0.05	10	740	<2	0.06	<2	8	10	0.05
C104052		1	0.24	40	2.13	2690	3	0.04	10	660	<2	0.11	<2	6	33	0.04
C104053		<1	0.25	10	2.52	3340	10	0.03	12	630	5	0.16	<2	6	67	0.04
C104054		<1	0.24	20	2.31	5120	15	0.02	23	1080	<2	0.63	<2	4	139	0.03
C104055		3	0.20	30	1.75	5580	19	0.02	25	1130	<2	2.63	<2	3	48	0.03
C104056		2	0.03	40	2.07	9460	19	0.01	32	870	17	0.86	<2	2	68	0.01
C104057		5	0.11	50	2.17	7470	19	0.02	42	1150	<2	1.77	<2	4	72	0.03
C104058		2	0.10	40	2.07	6500	117	0.03	29	1120	9	3.19	2	4	122	0.02
C104059		3	0.09	50	2.54	7190	29	0.02	33	900	8	2.74	<2	5	71	0.01
C104060		4	0.10	40	1.80	4500	10	0.01	33	930	4	2.20	<2	3	45	0.01
C104061		4	0.18	60	0.96	1340	13	0.01	27	630	<2	1.86	2	2	95	0.01
C104062		3	0.18	30	1.01	2120	13	0.01	32	660	<2	0.98	<2	3	146	0.01
C104063		<1	0.14	20	1.08	1510	2	0.01	30	530	2	0.43	3	3	156	0.01
C104064		<1	0.18	20	1.12	1520	2	0.01	27	640	4	0.44	2	3	97	0.01
C104065		<1	0.10	80	2.12	3710	10	0.01	40	1060	<2	0.67	<2	4	84	0.02
C104066		1	0.01	30	1.66	6330	22	0.01	49	2190	<2	1.60	<2	3	31	0.01
C104067		1	0.01	30	1.21	5090	32	0.01	45	1810	2	1.36	2	3	165	0.01
C104068		2	0.01	70	1.14	3040	30	0.01	40	1770	<2	0.86	<2	3	174	0.01
C104069		<1	0.02	<10	10.60	133	<1	<0.01	1	450	<2	<0.01	<2	<1	133	<0.01
C104070		<1	0.04	30	1.49	3280	17	0.02	23	1220	<2	0.38	<2	6	126	0.03
C104071		<1	0.03	30	1.22	3190	32	0.02	37	1010	<2	1.85	<2	3	166	0.01
C104072		<1	0.06	10	1.37	2160	14	0.02	22	610	4	0.81	<2	4	174	0.02
C104073		<1	0.12	50	1.30	3650	77	0.02	18	950	<2	0.27	<2	4	221	0.02
C104074		<1	0.08	20	1.33	3590	18	0.03	32	930	<2	0.19	<2	3	97	0.01
C104075		<1	0.06	50	1.77	3610	12	0.03	19	890	2	0.30	<2	5	72	0.02
C104076		<1	0.15	40	1.46	1570	6	0.02	16	880	2	0.24	<2	3	59	0.02
C104077		1	0.12	60	1.86	1475	11	0.02	18	1380	<2	0.30	<2	3	142	0.03
C104078		<1	0.23	20	4.24	4450	6	0.01	28	830	3	0.21	<2	5	49	0.02
C104079		<1	0.30	10	2.75	2870	3	<0.01	31	610	4	0.24	<2	4	23	0.02
C104082		<1	0.30	30	1.26	1185	6	<0.01	17	370	<2	0.14	<2	2	29	<0.01
C104083		1	0.31	20	0.20	169	1	<0.01	2	200	<2	0.05	<2	1	12	<0.01
C104084		<1	0.02	<10	10.60	141	<1	<0.01	2	430	<2	<0.01	<2	<1	118	<0.01

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VANCOUVER BC V6B 1L8

Project: IGOR

Finalized Date: 20-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083165

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-XRF05
	Analyte	Tl	U	V	W	Zn	U
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	10	1	10	2	4
C104051		10	<10	32	<10	7	
C104052		<10	<10	25	<10	6	
C104053		<10	<10	21	<10	7	
C104054		<10	10	19	<10	13	
C104055		10	10	19	<10	7	
C104056		<10	130	20	<10	9	146
C104057		10	30	26	<10	19	
C104058		<10	110	25	<10	10	110
C104059		10	110	22	<10	21	110
C104060		10	20	21	<10	14	
C104061		<10	20	14	<10	11	
C104062		<10	60	16	<10	13	
C104063		<10	10	16	<10	15	
C104064		<10	10	18	<10	12	
C104065		<10	<10	22	<10	17	
C104066		<10	<10	12	<10	7	
C104067		<10	<10	14	<10	7	
C104068		<10	<10	13	<10	9	
C104069		<10	<10	1	<10	5	
C104070		<10	<10	18	<10	10	
C104071		<10	20	14	<10	10	
C104072		<10	70	12	<10	11	
C104073		<10	10	20	<10	14	
C104074		<10	20	19	<10	13	
C104075		<10	<10	20	<10	16	
C104076		<10	20	18	<10	15	
C104077		<10	<10	22	<10	24	
C104078		<10	<10	22	<10	40	
C104079		<10	100	19	<10	20	88
C104082		<10	10	12	<10	16	
C104083		<10	<10	4	<10	3	
C104084		<10	<10	1	<10	5	

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Finalized Date: 20-SEP-2006
Account: TWESEV

CERTIFICATE VA06083166

Project: IGOR

P.O. No.:

This report is for 2 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-AUG-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

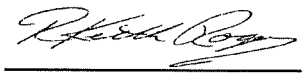
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF05	Trace Level XRF Analysis	XRF
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Keith Rogers, Executive Manager Vancouver Laboratory

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Project: IGOR

Finalized Date: 20-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083166

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C104080		2.26	0.4	2.87	32	10	270	1.0	3	3.81	<0.5	172	19	595	9.74	10
C104081		3.22	0.3	1.16	32	<10	390	<0.5	2	5.88	<0.5	135	10	109	9.13	<10

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CERTIFICATE OF ANALYSIS VA06083166

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Ti % 0.01
C104080		2	0.25	10	3.31	3080	15	0.02	36	910	13	1.29	3	5	25	0.04
C104081		<1	0.11	10	2.97	5140	12	0.02	22	800	128	0.90	<2	4	34	0.02

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VANCOUVER BC V6B 1L8

Project: IGOR

Finalized Date: 20-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083166

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-XRF05
	Analyte	Tl	U	V	W	Zn	U
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	10	10	1	10	2	4
C104080		10	330	33	<10	39	320
C104081		<10	1020	20	<10	14	1025

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TWENTY-SEVEN CAPITAL CORP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized D. ,2-SEP-2006
Account: TWESEV

CERTIFICATE VA06083185

Project: IGOR DDHI-2006-13

P.O. No.:

This report is for 39 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 15-AUG-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

Signature:

Shaun Kenny, Brisbane Laboratory Manager

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Project: IGOR DDHI-2006-13

Finalized Date: 12-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083185

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C107551		3.38	<0.2	0.45	8	<10	210	<0.5	<2	0.05	<0.5	8	6	6	2.29	<10
C107552		2.20	0.3	0.41	24	<10	140	<0.5	2	0.04	<0.5	70	6	244	4.38	<10
C107553		4.18	<0.2	0.43	38	<10	140	<0.5	2	0.09	<0.5	33	5	21	3.38	<10
C107554		5.64	<0.2	0.38	24	<10	230	<0.5	<2	0.20	<0.5	27	4	14	9.65	<10
C107555		4.40	0.3	0.40	51	<10	50	<0.5	20	0.15	<0.5	92	4	59	7.88	<10
C107556		3.72	0.3	0.37	83	<10	30	<0.5	21	0.20	<0.5	191	3	30	11.95	<10
C107557		5.76	<0.2	0.45	16	<10	180	<0.5	3	0.26	<0.5	36	5	20	10.10	<10
C107558		5.88	<0.2	0.45	13	<10	220	<0.5	<2	0.22	<0.5	18	5	39	8.03	<10
C107559		4.12	<0.2	0.50	36	<10	400	<0.5	<2	0.23	<0.5	30	4	48	11.15	<10
C107560		5.50	<0.2	0.41	17	<10	150	<0.5	<2	0.22	<0.5	19	4	97	10.25	<10
C107561		5.34	<0.2	0.41	2	<10	240	<0.5	<2	0.22	<0.5	12	3	26	11.55	<10
C107562		4.96	<0.2	0.47	20	<10	190	<0.5	<2	0.21	<0.5	79	4	34	8.57	<10
C107563		4.66	<0.2	0.53	14	<10	190	<0.5	<2	0.22	<0.5	40	4	268	9.39	<10
C107564		2.58	<0.2	0.41	7	<10	150	<0.5	<2	0.22	<0.5	20	3	62	24.6	<10
C107565		4.52	<0.2	1.07	37	<10	60	<0.5	<2	2.60	<0.5	133	8	530	9.07	<10
C107566		6.32	<0.2	0.82	30	<10	80	<0.5	<2	3.71	<0.5	121	8	142	5.79	<10
C107567		2.70	<0.2	1.79	21	<10	100	<0.5	<2	2.18	<0.5	120	10	98	8.79	<10
C107568		5.82	<0.2	0.49	13	<10	120	<0.5	<2	2.10	<0.5	224	3	425	31.4	10
C107569		4.50	<0.2	1.28	3	<10	140	<0.5	<2	2.31	<0.5	52	29	27	12.60	<10
C107570		4.52	<0.2	0.75	<2	<10	1460	<0.5	<2	4.17	<0.5	30	26	22	7.21	<10
C107571		1.42	<0.2	0.08	<2	10	50	<0.5	<2	18.7	<0.5	1	1	6	0.21	<10
C107572		4.34	<0.2	1.01	2	<10	980	0.5	<2	2.72	<0.5	50	17	22	6.61	<10
C107573		3.74	<0.2	0.81	2	<10	990	<0.5	<2	2.04	<0.5	59	16	8	6.47	<10
C107574		3.12	0.5	0.80	<2	<10	2040	<0.5	<2	4.74	<0.5	22	15	4	5.16	<10
C107575		5.80	<0.2	0.98	<2	<10	1010	<0.5	<2	2.45	<0.5	20	33	7	5.25	<10
C107576		6.26	<0.2	0.78	7	<10	120	<0.5	<2	1.33	<0.5	188	11	578	18.7	<10
C107577		7.48	<0.2	0.60	<2	<10	2010	<0.5	<2	2.97	<0.5	15	18	32	5.00	<10
C107578		5.12	<0.2	0.69	<2	<10	2180	<0.5	<2	3.15	<0.5	23	13	13	6.69	<10
C107579		5.94	<0.2	0.91	5	<10	220	<0.5	<2	2.30	<0.5	76	14	164	11.90	<10
C107580		2.70	<0.2	1.22	2	<10	250	<0.5	<2	2.89	<0.5	48	19	210	6.34	<10
C107581		3.38	<0.2	0.71	2	<10	750	<0.5	<2	2.72	<0.5	46	32	669	6.82	<10
C107582		3.30	<0.2	1.04	21	<10	130	<0.5	<2	1.68	<0.5	66	38	3340	8.81	<10
C107583		2.46	0.3	0.94	76	<10	40	<0.5	7	1.51	<0.5	139	8	201	23.2	<10
C107584		3.86	0.9	0.45	38	<10	40	<0.5	17	2.16	<0.5	200	22	>10000	11.00	<10
C107585		5.14	0.7	0.79	46	<10	50	<0.5	21	4.08	<0.5	319	6	9220	26.8	<10
C107586		4.40	<0.2	1.25	12	<10	180	<0.5	<2	2.16	<0.5	113	11	591	17.0	<10
C107587		5.48	<0.2	0.90	4	<10	280	<0.5	<2	3.01	<0.5	38	11	359	6.46	<10
C107588		1.10	<0.2	0.06	<2	<10	950	<0.5	<2	18.6	<0.5	1	1	13	0.24	<10
C107589		6.20	<0.2	0.73	<2	<10	1730	<0.5	<2	3.08	<0.5	17	9	44	4.50	<10

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VANCOUVER BC V6B 1L8

Project: IGOR DDHI-2006-13

Finalized Date: 12-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083185

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C107551		<1	0.22	10	0.18	1250	1	0.03	4	170	3	0.05	<2	1	4	<0.01
C107552		1	0.21	10	0.31	2440	2	0.03	25	130	4	0.75	3	3	5	<0.01
C107553		1	0.23	20	0.23	1685	3	0.02	15	340	2	0.34	<2	2	4	<0.01
C107554		<1	0.20	10	1.00	5960	4	0.02	13	630	<2	0.20	<2	3	5	<0.01
C107555		<1	0.22	10	0.60	3880	6	0.02	30	480	2	1.62	2	2	11	<0.01
C107556		1	0.20	<10	0.88	5660	10	0.02	46	620	3	3.58	2	3	4	<0.01
C107557		1	0.24	10	1.10	6150	9	0.02	16	790	<2	0.86	<2	3	5	<0.01
C107558		2	0.26	30	0.93	5630	6	0.02	11	680	<2	0.06	<2	3	5	<0.01
C107559		7	0.26	20	1.35	7640	2	0.02	16	570	<2	0.12	<2	3	8	<0.01
C107560		4	0.23	20	1.09	6660	2	0.02	11	590	<2	0.06	<2	3	4	<0.01
C107561		2	0.24	20	1.24	7730	5	0.02	11	560	<2	0.02	<2	3	6	<0.01
C107562		1	0.26	10	0.92	5180	4	0.02	21	650	<2	0.43	<2	2	5	<0.01
C107563		1	0.27	20	1.05	5850	30	0.02	18	700	2	0.38	<2	3	5	<0.01
C107564		1	0.15	10	2.82	14900	15	0.03	12	250	<2	0.32	<2	17	9	<0.01
C107565		1	0.21	10	1.81	3800	24	0.03	15	610	2	2.06	<2	7	18	<0.01
C107566		1	0.17	<10	1.51	2850	4	0.04	8	850	<2	1.13	<2	4	64	<0.01
C107567		<1	0.15	<10	1.89	3410	6	0.03	12	940	<2	1.23	<2	4	21	<0.01
C107568		1	0.01	80	0.36	674	45	0.01	23	2420	<2	1.98	<2	1	175	0.01
C107569		<1	0.05	20	1.29	1765	5	0.10	19	960	2	0.71	<2	4	38	0.01
C107570		<1	0.22	20	1.55	3700	3	0.05	11	630	<2	0.20	<2	5	84	0.02
C107571		<1	0.01	<10	9.52	92	<1	0.01	3	320	2	<0.01	<2	<1	110	<0.01
C107572		<1	0.29	10	1.15	2440	2	0.02	14	650	<2	0.29	<2	3	60	0.01
C107573		<1	0.32	20	0.75	2010	2	0.02	14	680	<2	0.33	<2	2	54	0.01
C107574		<1	0.19	10	1.59	3600	2	0.03	9	650	<2	0.14	<2	3	96	0.01
C107575		<1	0.15	10	1.16	1710	1	0.07	13	690	<2	0.23	<2	4	62	<0.01
C107576		<1	0.02	40	0.64	1500	42	0.02	30	1450	<2	1.20	<2	2	345	0.01
C107577		1	0.30	10	0.82	3320	4	0.03	10	720	<2	0.09	<2	3	114	0.01
C107578		<1	0.33	20	0.85	3810	5	0.02	14	790	<2	0.12	<2	3	99	0.02
C107579		1	0.26	30	0.84	3020	9	0.02	22	1000	<2	0.45	<2	2	97	0.01
C107580		<1	0.24	10	1.19	2960	3	0.04	13	690	2	0.38	<2	3	68	0.01
C107581		<1	0.07	20	1.16	2820	1	0.08	14	750	<2	0.37	<2	7	49	0.01
C107582		<1	0.04	20	1.14	1730	8	0.11	25	720	<2	1.11	<2	7	28	0.01
C107583		1	0.03	40	0.85	2110	50	0.03	29	2560	11	3.71	<2	3	120	0.01
C107584		1	0.08	10	0.58	1640	79	0.05	16	1200	2	4.14	<2	3	171	<0.01
C107585		1	0.04	30	1.08	3150	50	0.09	29	2470	4	5.80	<2	5	99	0.01
C107586		1	0.06	40	1.58	5090	26	0.03	25	1990	<2	0.68	<2	3	253	0.02
C107587		1	0.23	20	1.13	3570	6	0.03	13	660	<2	0.29	<2	3	267	0.02
C107588		<1	0.01	<10	9.64	122	<1	0.02	2	330	<2	<0.01	<2	<1	129	<0.01
C107589		1	0.31	20	1.03	4090	3	0.02	10	570	<2	0.10	<2	2	171	0.01

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Project: IGOR DDHI-2006-13

Finalized Date: 12-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083185

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Cu-OG46 Cu % 0.01
C107551		<10	<10	4	<10	7	
C107552		<10	<10	4	<10	5	
C107553		<10	<10	4	<10	3	
C107554		<10	<10	6	<10	3	
C107555		<10	<10	6	<10	7	
C107556		<10	20	6	<10	4	
C107557		<10	10	7	<10	3	
C107558		<10	<10	6	<10	3	
C107559		<10	<10	7	<10	4	
C107560		<10	<10	5	<10	3	
C107561		<10	<10	5	<10	3	
C107562		<10	<10	6	<10	3	
C107563		<10	<10	7	<10	3	
C107564		<10	<10	21	<10	5	
C107565		<10	10	19	<10	7	
C107566		<10	<10	11	<10	5	
C107567		<10	<10	9	<10	6	
C107568		<10	<10	44	10	<2	
C107569		<10	<10	44	<10	5	
C107570		<10	<10	28	<10	3	
C107571		<10	<10	2	<10	6	
C107572		<10	<10	20	<10	4	
C107573		<10	10	20	<10	3	
C107574		<10	<10	17	<10	3	
C107575		<10	<10	32	<10	5	
C107576		<10	10	31	<10	2	
C107577		<10	<10	19	<10	2	
C107578		<10	<10	16	<10	4	
C107579		<10	<10	22	<10	6	
C107580		<10	<10	21	<10	7	
C107581		<10	<10	40	<10	5	
C107582		<10	<10	51	<10	6	
C107583		<10	10	64	<10	4	
C107584		<10	10	21	<10	2	1.50
C107585		<10	<10	55	<10	2	
C107586		<10	<10	34	<10	5	
C107587		<10	<10	15	<10	4	
C107588		<10	<10	2	<10	5	
C107589		<10	<10	10	<10	3	

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VANCOUVER BC V6B 1L8

Finalized L 26-SEP-2006
Account: TWESEV

CERTIFICATE VA06083603

Project: IGOR DDHI-2006-12

P.O. No.:

This report is for 1 Drill Core sample submitted to our lab in Vancouver, BC, Canada on 15-AUG-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
ME-XRF05	Trace Level XRF Analysis	XRF
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

Signature:
Keith Rogers, Executive Manager Vancouver Laboratory

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Project: IGOR DDHI-2006-12

Finalized Date: 26-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083603

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C107482		5.74	5.8	1.84	95	<10	20	<0.5	11	2.06	<0.5	253	31	>10000	12.40	<10

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Project: IGOR DDHI-2006-12

Finalized Date: 26-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083603

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C107482		1	0.04	10	1.59	2860	185	0.03	30	1350	241	5.25	3	5	31	0.02

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Project: IGOR DDHI-2006-12

Finalized Date: 26-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083603

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46	ME-XRF05
	Analyte	Tl	U	V	W	Zn	Cu	U
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	10	1	10	2	0.01	4
C107482		<10	2310	31	10	15	2.05	2210

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1016-510 W HASTINGS ST
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Finalized L . 18-SEP-2006
Account: TWESEV

CERTIFICATE VA06083606

Project: IGOR DDHI-2006-12

P.O. No.:

This report is for 54 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 15-AUG-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF05	Trace Level XRF Analysis	XRF
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

Signature:

Shaun Kenny, Brisbane Laboratory Manager

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Project: IGOR DDHI-2006-12

Finalized Date: 18-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083606

Sample Description	Method	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
C107451		4.70	0.2	1.17	11	<10	160	<0.5	<2	2.34	<0.5	169	6	639	31.2	<10
C107452		2.18	<0.2	1.56	5	<10	1620	<0.5	<2	3.71	<0.5	3	25	120	12.30	<10
C107453		2.06	<0.2	0.70	<2	<10	960	<0.5	<2	1.79	<0.5	10	23	46	7.50	<10
C107454		5.38	0.3	0.85	8	<10	360	<0.5	2	3.51	<0.5	18	7	749	33.3	10
C107455		5.22	0.2	0.70	8	<10	500	<0.5	5	2.81	<0.5	17	8	423	35.1	<10
C107456		3.64	<0.2	1.27	<2	<10	450	<0.5	<2	0.79	<0.5	16	28	559	11.00	10
C107457		2.82	<0.2	0.21	11	<10	160	<0.5	2	0.65	<0.5	136	3	33	48.6	10
C107458		3.98	<0.2	0.93	8	<10	150	<0.5	2	0.48	<0.5	122	23	246	23.2	10
C107459		4.10	<0.2	1.08	6	<10	210	<0.5	2	0.48	<0.5	58	22	763	25.7	10
C107460		0.56	<0.2	0.82	9	<10	80	<0.5	3	0.80	<0.5	126	10	310	37.7	10
C107461		7.10	0.6	1.11	9	<10	40	<0.5	<2	2.51	<0.5	347	10	5490	46.2	10
C107462		4.96	0.3	0.57	10	<10	30	<0.5	<2	1.40	<0.5	379	3	6740	49.2	10
C107463		6.52	0.2	0.47	11	<10	60	<0.5	4	1.44	<0.5	269	3	2120	>50	10
C107464		4.50	<0.2	1.09	4	<10	50	<0.5	<2	0.95	<0.5	237	29	1000	18.6	10
C107465		7.86	<0.2	0.45	12	<10	60	<0.5	<2	1.30	<0.5	245	2	425	35.9	10
C107466		8.04	<0.2	1.01	9	<10	150	<0.5	<2	1.98	<0.5	146	7	715	39.1	10
C107467		8.36	<0.2	1.19	30	<10	30	<0.5	2	0.68	<0.5	492	9	1340	38.7	10
C107468		7.60	<0.2	0.80	15	<10	60	<0.5	<2	0.56	<0.5	351	4	490	41.2	10
C107469		8.46	0.4	0.33	19	<10	80	<0.5	2	0.47	<0.5	280	1	3520	47.8	10
C107470		9.06	0.7	0.46	12	<10	50	<0.5	2	0.57	<0.5	273	5	4460	43.4	10
C107471		2.02	<0.2	0.06	<2	<10	140	<0.5	<2	19.3	<0.5	3	1	23	0.55	<10
C107472		10.00	0.2	0.16	28	<10	40	<0.5	2	0.63	<0.5	357	<1	381	42.3	10
C107473		7.94	0.4	1.07	24	<10	50	<0.5	<2	0.48	<0.5	431	8	736	26.9	10
C107474		7.64	0.2	2.08	6	<10	230	<0.5	<2	0.54	<0.5	28	12	978	29.2	10
C107475		6.26	<0.2	2.67	5	<10	530	<0.5	2	0.78	<0.5	32	12	83	26.3	10
C107476		6.28	<0.2	2.61	3	<10	1480	0.6	<2	0.36	<0.5	44	22	84	10.70	10
C107477		5.56	<0.2	2.00	6	<10	440	0.6	<2	0.29	<0.5	128	10	28	10.35	<10
C107478		5.38	<0.2	1.20	3	<10	830	<0.5	<2	0.46	<0.5	92	9	59	10.95	<10
C107479		4.44	<0.2	1.05	3	<10	360	<0.5	<2	0.30	<0.5	94	13	61	9.50	<10
C107480		6.10	<0.2	0.78	2	<10	570	<0.5	<2	4.41	<0.5	18	6	25	5.14	<10
C107481		5.50	<0.2	1.32	2	<10	550	0.5	<2	4.41	<0.5	14	7	84	4.78	<10
C107483		8.44	2.5	0.21	642	<10	140	<0.5	67	2.06	<0.5	812	5	2570	36.2	<10
C107484		6.44	1.9	0.56	546	<10	30	<0.5	64	1.91	<0.5	791	3	2190	38.6	<10
C107485		5.24	1.4	0.99	243	<10	20	<0.5	38	1.96	<0.5	398	15	>10000	27.9	<10
C107486		5.28	0.3	0.99	43	<10	50	<0.5	6	2.17	<0.5	96	39	1600	10.00	<10
C107487		5.50	<0.2	0.96	25	<10	90	0.5	4	2.79	<0.5	79	21	382	8.81	<10
C107488		8.12	<0.2	0.58	5	<10	1100	<0.5	<2	4.12	<0.5	17	11	200	5.59	<10
C107489		4.80	<0.2	0.66	4	<10	2080	<0.5	<2	3.58	<0.5	17	15	22	5.31	<10
C107490		3.68	<0.2	0.57	2	<10	1580	<0.5	<2	2.90	<0.5	31	19	68	6.65	<10
C107491		1.20	<0.2	0.04	2	<10	90	<0.5	<2	19.6	<0.5	1	1	12	0.10	<10

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Project: IGOR DDHI-2006-12

Finalized Date: 18-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083606

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C107451		<1	0.01	90	0.69	1325	52	0.02	27	3190	4	1.10	<2	2	211	<0.01
C107452		<1	0.14	90	1.05	1195	15	0.20	18	3710	2	0.09	<2	4	218	0.01
C107453		<1	0.18	60	0.72	991	9	0.20	10	920	<2	0.13	<2	3	201	0.01
C107454		<1	0.22	110	0.56	213	50	0.15	26	4140	4	0.26	<2	2	276	0.01
C107455		1	0.09	140	0.45	454	32	0.13	28	3330	<2	0.22	<2	2	245	0.01
C107456		<1	0.09	50	0.96	1085	3	0.07	25	1530	4	0.20	<2	3	133	0.01
C107457		<1	<0.01	60	0.26	702	32	0.02	50	2440	15	1.07	<2	1	37	0.01
C107458		<1	0.01	40	1.04	2160	13	0.08	25	1960	4	0.81	<2	2	92	0.02
C107459		<1	0.02	40	0.67	917	10	0.07	30	1020	4	0.49	<2	3	144	0.01
C107460		<1	0.10	50	0.42	593	26	0.05	41	2020	7	1.25	<2	3	29	0.01
C107461		1	0.01	100	0.45	246	150	0.22	51	3180	7	3.64	<2	2	40	0.01
C107462		<1	0.01	80	0.44	943	39	0.13	50	3200	6	3.88	<2	3	22	0.01
C107463		<1	<0.01	150	0.31	328	54	0.02	58	5670	7	2.42	<2	2	34	0.01
C107464		<1	0.02	50	0.85	1275	39	0.07	35	2230	<2	1.94	<2	3	21	0.01
C107465		<1	0.01	70	0.39	911	92	0.01	47	5770	9	2.10	<2	1	30	0.01
C107466		<1	0.01	70	0.53	203	37	0.03	48	6170	7	1.19	<2	3	36	0.01
C107467		<1	<0.01	10	1.09	2100	126	0.02	62	3000	4	4.18	<2	4	21	0.01
C107468		<1	<0.01	20	0.77	1865	64	0.02	60	2430	5	3.06	<2	5	37	0.01
C107469		<1	<0.01	50	0.37	964	62	0.02	64	2100	7	2.64	<2	2	32	0.01
C107470		<1	<0.01	40	0.51	1490	62	0.01	56	2560	8	2.71	<2	2	27	0.01
C107471		<1	0.01	<10	10.50	114	1	0.02	3	390	<2	<0.01	<2	<1	125	<0.01
C107472		1	<0.01	70	0.42	1545	111	0.01	54	2810	6	3.51	<2	1	25	<0.01
C107473		1	<0.01	40	1.59	5390	82	0.01	46	1910	4	3.63	<2	3	71	0.01
C107474		<1	<0.01	40	1.11	1080	23	0.01	45	2050	3	0.43	<2	3	77	0.01
C107475		<1	<0.01	60	1.84	2260	37	0.01	44	2510	2	0.24	<2	5	48	0.01
C107476		<1	0.17	30	1.45	647	12	0.02	25	1430	<2	0.25	<2	3	44	0.02
C107477		<1	0.22	20	1.73	4850	5	0.01	21	770	2	0.51	<2	2	26	0.01
C107478		<1	0.22	20	1.44	6510	5	0.01	18	840	<2	0.27	<2	3	39	<0.01
C107479		<1	0.29	20	1.16	5990	3	0.02	18	720	<2	0.27	<2	3	8	<0.01
C107480		<1	0.24	20	2.12	5860	1	0.02	11	720	<2	0.04	<2	2	44	<0.01
C107481		<1	0.45	20	2.19	5070	10	0.02	10	760	2	0.03	<2	3	37	<0.01
C107483		1	0.01	30	0.78	2410	30	0.02	62	3080	21	>10.0	<2	3	40	<0.01
C107484		2	0.01	20	0.68	1880	66	0.07	52	1510	14	>10.0	<2	2	33	<0.01
C107485		<1	0.04	60	0.59	1005	49	0.08	40	3360	9	>10.0	<2	3	37	0.01
C107486		<1	0.07	20	0.98	1705	12	0.11	21	810	2	2.44	<2	5	86	0.01
C107487		<1	0.45	20	0.86	2840	7	0.03	17	660	<2	1.66	<2	3	99	0.01
C107488		<1	0.35	20	1.10	4810	4	0.03	12	680	3	0.18	<2	2	89	0.01
C107489		<1	0.43	20	0.93	4020	3	0.03	8	680	<2	0.15	<2	3	81	0.01
C107490		<1	0.38	20	0.74	3040	2	0.03	8	690	<2	0.21	<2	2	73	0.01
C107491		<1	0.02	<10	10.30	126	<1	0.02	2	380	<2	<0.01	<2	<1	114	<0.01

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Project: IGOR DDHI-2006-12

Finalized Date: 18-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083606

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Cu-OG46 Cu % 0.01	ME-XRF05 U ppm 4
C107451		<10	10	43	<10	4		
C107452		<10	140	30	10	5		137
C107453		<10	10	16	<10	2		
C107454		<10	<10	62	20	<2		
C107455		<10	10	69	20	<2		
C107456		<10	10	38	<10	7		
C107457		<10	10	155	<10	12		
C107458		<10	10	44	10	8		
C107459		<10	20	42	10	6		
C107460		<10	10	62	<10	6		
C107461		<10	<10	67	<10	3		
C107462		<10	<10	68	<10	3		
C107463		<10	10	80	<10	2		
C107464		<10	<10	36	<10	8		
C107465		<10	<10	59	<10	3		
C107466		<10	<10	85	<10	5		
C107467		<10	<10	74	<10	8		
C107468		<10	<10	86	<10	4		
C107469		<10	<10	107	<10	4		
C107470		<10	<10	78	<10	5		
C107471		<10	<10	3	<10	6		
C107472		<10	<10	85	<10	3		
C107473		<10	<10	41	<10	9		
C107474		<10	<10	61	<10	8		
C107475		<10	<10	44	<10	9		
C107476		<10	<10	27	<10	10		
C107477		<10	<10	16	<10	9		
C107478		<10	<10	15	<10	5		
C107479		<10	<10	13	<10	5		
C107480		<10	<10	8	<10	4		
C107481		<10	<10	10	<10	6		
C107483		<10	10	24	10	9		
C107484		<10	<10	31	10	5		
C107485		<10	30	56	<10	7	1.22	
C107486		<10	<10	44	<10	5		
C107487		<10	<10	23	<10	2		
C107488		<10	<10	13	<10	2		
C107489		<10	<10	15	<10	2		
C107490		<10	<10	19	<10	<2		
C107491		<10	<10	2	<10	5		

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CERTIFICATE OF ANALYSIS VA06083606

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C107492		6.56	0.2	0.41	9	<10	250	<0.5	<2	2.89	<0.5	57	7	96	27.1	<10
C107493		7.08	<0.2	1.67	14	<10	560	<0.5	<2	2.39	<0.5	9	19	528	24.9	10
C107494		2.00	0.2	4.78	4	<10	130	0.7	3	1.20	<0.5	24	26	6280	20.5	10
C107495		7.10	0.4	1.09	13	<10	80	<0.5	<2	1.34	<0.5	240	10	1040	27.9	10
C107496		4.08	<0.2	1.37	<2	<10	1240	<0.5	<2	2.70	<0.5	14	39	278	5.21	<10
C107497		3.84	<0.2	0.59	2	<10	2410	<0.5	<2	4.01	<0.5	6	18	35	4.56	<10
C107498		4.34	<0.2	0.55	3	<10	2170	<0.5	<2	3.53	<0.5	8	23	15	4.54	<10
C107499		4.64	<0.2	5.13	6	<10	220	1.0	<2	0.71	<0.5	87	29	49	16.0	10
C107500		3.28	<0.2	0.76	16	<10	40	<0.5	<2	1.90	<0.5	364	2	502	18.8	10
C107501		6.20	0.4	0.92	3	<10	190	<0.5	<2	3.37	<0.5	34	11	435	11.10	<10
C107502		8.44	0.7	0.57	8	<10	60	<0.5	<2	1.07	<0.5	96	4	1810	10.05	<10
C107503		8.34	2.6	0.54	124	<10	40	<0.5	<2	0.81	<0.5	477	2	>10000	31.7	<10
C107504		5.62	<0.2	3.48	8	<10	60	0.5	<2	0.90	<0.5	147	34	269	12.05	10
C107505		6.54	<0.2	1.76	2	<10	260	0.5	<2	1.61	<0.5	65	13	54	6.54	<10

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C107492		<1	0.04	40	0.55	1905	29	0.10	19	1550	<2	0.38	<2	2	400	<0.01
C107493		<1	0.03	60	0.93	1105	39	0.04	27	3570	5	0.20	<2	4	208	0.01
C107494		1	0.07	20	2.18	659	38	0.02	43	2610	13	0.78	<2	6	36	0.01
C107495		<1	0.01	50	0.81	1805	64	0.03	34	1760	22	1.60	<2	3	30	0.01
C107496		<1	0.05	20	1.45	2010	3	0.07	15	900	3	0.17	<2	5	70	0.01
C107497		<1	0.11	10	1.52	3520	1	0.04	9	620	3	0.09	<2	4	119	0.03
C107498		<1	0.13	20	1.31	3170	2	0.04	9	590	<2	0.10	<2	4	120	0.03
C107499		1	0.08	10	2.74	843	6	0.02	46	1340	6	0.65	<2	5	38	0.01
C107500		<1	0.01	60	1.12	3250	18	0.01	19	2750	5	3.77	<2	2	63	<0.01
C107501		<1	0.13	210	0.92	2650	14	0.03	8	1920	3	0.63	<2	3	268	0.02
C107502		<1	0.04	270	0.98	2860	39	0.01	7	2370	2	1.73	<2	1	226	0.01
C107503		11	<0.01	10	1.36	4560	85	0.02	42	2300	13	>10.0	3	2	26	<0.01
C107504		<1	0.07	10	2.29	533	16	0.03	32	980	3	2.00	2	4	49	<0.01
C107505		<1	0.23	10	1.33	1380	1	0.02	14	630	2	0.43	<2	2	48	0.02

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: IGOR DDHI-2006-12

Finalized Date: 18-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06083606

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Cu-OG46 Cu % 0.01	ME-XRF05 U ppm 4
C107492		<10	<10	57	10	<2		
C107493		<10	<10	72	10	6		
C107494		<10	<10	34	<10	42		
C107495		<10	<10	61	<10	40		
C107496		<10	<10	24	<10	9		
C107497		<10	<10	24	<10	5		
C107498		<10	<10	24	<10	4		
C107499		<10	<10	33	<10	25		
C107500		<10	<10	27	10	5		
C107501		<10	10	27	40	4		
C107502		<10	20	12	10	4		
C107503		<10	10	11	<10	4	1.19	
C107504		<10	<10	38	<10	14		
C107505		<10	<10	17	<10	10		

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VANCOUVER BC V6B 1L8

Finalized L . 10-SEP-2006
Account: TWESEV

CERTIFICATE VA06086890

Project: IGOR I05-06

P.O. No.:

This report is for 30 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 21-AUG-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

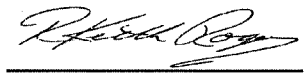
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
Keith Rogers, Executive Manager Vancouver Laboratory

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TWENTY-SEVEN CAPITAL CORP
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: IGOR I05-06

Finalized Date: 10-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06086890

Sample Description	Method	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
C107601		4.08	<0.2	0.28	4	<10	440	<0.5	<2	3.24	<0.5	9	2	17	4.10	<10
C107602		4.72	0.3	0.26	16	<10	340	<0.5	<2	2.45	<0.5	65	1	11	6.90	<10
C107603		4.92	0.5	0.27	16	<10	150	<0.5	<2	1.81	<0.5	105	1	5	10.60	<10
C107604		5.54	0.4	0.33	8	<10	540	<0.5	<2	0.56	<0.5	69	<1	8	15.3	<10
C107605		5.44	0.4	0.30	19	<10	60	<0.5	4	3.03	<0.5	73	1	8	11.60	<10
C107606		5.96	0.6	0.29	12	<10	150	<0.5	3	3.55	<0.5	55	1	33	10.00	<10
C107607		3.06	0.4	0.39	7	<10	660	<0.5	2	3.10	<0.5	32	4	13	7.81	<10
C107608		4.84	0.4	0.33	<2	<10	550	<0.5	<2	3.43	<0.5	44	2	36	7.79	<10
C107609		5.26	0.4	0.58	7	<10	80	<0.5	2	0.62	<0.5	93	4	42	11.35	<10
C107610		5.38	0.4	0.31	3	<10	1040	<0.5	<2	3.09	<0.5	27	2	378	6.35	<10
C107611		6.30	0.3	0.42	2	<10	1310	<0.5	<2	0.43	<0.5	74	2	14	10.45	<10
C107612		4.92	0.5	0.47	5	<10	1290	<0.5	<2	0.74	<0.5	78	1	55	12.80	<10
C107613		6.86	0.5	0.54	4	<10	2320	<0.5	<2	2.15	<0.5	54	2	7	10.65	<10
C107614		5.74	0.3	0.54	4	<10	2870	<0.5	<2	2.35	<0.5	43	4	2	9.44	<10
C107615		4.60	<0.2	0.59	<2	<10	2800	<0.5	<2	2.72	<0.5	32	6	5	8.69	<10
C107616		4.34	0.3	0.48	5	<10	2580	<0.5	<2	3.83	<0.5	34	4	8	7.69	<10
C107617		5.18	0.2	0.49	2	<10	2910	<0.5	2	4.18	<0.5	28	7	1	7.92	<10
C107618		6.12	0.4	0.65	4	<10	3160	<0.5	<2	2.58	<0.5	38	7	2	9.71	<10
C107619		5.76	0.3	0.70	7	<10	1940	<0.5	<2	1.96	<0.5	36	6	2	9.50	<10
C107620		4.98	0.2	0.38	<2	<10	1720	<0.5	<2	0.72	<0.5	48	2	3	8.48	<10
C107621		6.44	<0.2	0.31	3	<10	970	<0.5	<2	0.50	<0.5	52	2	54	9.69	<10
C107622		5.86	0.2	0.30	<2	<10	1940	<0.5	<2	1.27	<0.5	60	3	2	11.40	<10
C107623		7.02	0.2	0.39	<2	<10	1840	<0.5	2	0.95	<0.5	52	4	2	10.45	<10
C107624		4.76	0.3	0.52	2	<10	2160	<0.5	<2	0.80	<0.5	53	5	2	11.00	<10
C107625		5.64	0.2	0.48	<2	<10	2370	<0.5	<2	1.03	<0.5	55	3	2	8.20	<10
C107626		4.84	<0.2	0.45	<2	<10	1860	<0.5	<2	1.16	<0.5	45	3	3	7.16	<10
C107627		6.18	0.3	0.35	8	<10	480	<0.5	<2	5.56	<0.5	85	5	355	7.92	<10
C107628		5.88	0.2	0.32	12	<10	2310	<0.5	<2	4.89	<0.5	22	7	421	5.97	<10
C107629		4.80	0.2	0.41	4	<10	2110	<0.5	<2	3.83	<0.5	14	9	542	6.07	<10
C107630		0.82	<0.2	0.12	9	<10	60	<0.5	<2	19.5	<0.5	<1	2	6	0.19	<10

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TWENTY-SEVEN CAPITAL CORP
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: IGOR I05-06

Finalized Date: 10-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06086890

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C107601		1	0.15	10	1.25	3390	6	0.01	9	720	<2	0.03	<2	2	23	<0.01
C107602		<1	0.15	10	1.34	5310	14	0.01	22	780	<2	0.74	3	3	17	<0.01
C107603		<1	0.15	10	1.37	7400	7	0.02	36	720	<2	1.31	3	3	13	<0.01
C107604		<1	0.18	10	1.19	8540	3	0.01	33	890	<2	0.53	<2	4	9	<0.01
C107605		1	0.17	<10	1.81	7510	9	0.02	32	840	<2	2.22	6	3	21	<0.01
C107606		<1	0.17	10	2.24	7300	14	0.02	23	930	2	1.59	6	3	19	<0.01
C107607		1	0.21	10	1.60	5590	48	0.01	20	920	2	0.45	3	3	26	<0.01
C107608		<1	0.20	10	1.71	6580	5	0.01	17	660	<2	0.31	3	3	25	<0.01
C107609		<1	0.23	10	1.15	7520	4	0.02	30	760	<2	0.92	2	3	27	<0.01
C107610		<1	0.15	20	1.26	5660	8	0.01	13	640	<2	0.10	<2	2	198	<0.01
C107611		<1	0.25	20	0.62	7150	1	<0.01	27	580	<2	0.08	2	2	103	<0.01
C107612		<1	0.23	10	0.98	9380	27	0.01	40	700	<2	0.10	<2	3	84	<0.01
C107613		<1	0.25	20	1.55	8800	62	<0.01	28	990	<2	0.08	<2	3	131	<0.01
C107614		<1	0.25	20	1.57	7060	2	<0.01	18	900	2	0.08	4	3	134	0.01
C107615		<1	0.25	40	1.31	5060	4	<0.01	18	900	<2	0.08	<2	2	167	0.03
C107616		<1	0.26	30	1.59	6080	3	<0.01	17	840	<2	0.08	<2	3	170	0.01
C107617		<1	0.26	20	1.57	5570	3	<0.01	15	800	2	0.09	<2	3	183	0.04
C107618		<1	0.29	30	1.58	6470	3	<0.01	18	950	2	0.10	<2	3	143	0.05
C107619		<1	0.25	30	1.44	6700	4	<0.01	15	1060	<2	0.08	4	2	180	0.03
C107620		<1	0.20	20	1.02	5700	<1	<0.01	13	630	<2	0.09	<2	2	197	<0.01
C107621		<1	0.20	20	1.03	5780	4	<0.01	18	690	2	0.10	3	2	294	<0.01
C107622		<1	0.21	20	1.35	6790	4	<0.01	23	620	<2	0.07	4	3	195	<0.01
C107623		<1	0.24	20	1.26	6020	3	<0.01	23	610	<2	0.08	<2	3	162	0.02
C107624		<1	0.23	20	1.46	6640	2	<0.01	24	560	<2	0.08	4	3	128	0.02
C107625		<1	0.25	10	1.27	5510	21	<0.01	26	570	2	0.12	<2	2	95	0.01
C107626		<1	0.24	10	1.06	4430	21	<0.01	23	590	2	0.09	<2	2	144	0.01
C107627		1	0.23	50	2.35	6370	17	0.01	12	1170	2	0.39	4	3	35	0.03
C107628		<1	0.25	40	1.88	4400	14	<0.01	9	1090	2	0.13	2	2	48	0.05
C107629		<1	0.28	30	1.64	3610	18	<0.01	7	930	3	0.12	<2	3	49	0.05
C107630		<1	0.02	<10	11.10	122	<1	0.01	2	370	4	0.04	<2	<1	115	<0.01

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: IGOR I05-06

Finalized Date: 10-SEP-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06086890

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Tl	U	V	W	Zn
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	10	10	1	10	2
C107601		<10	<10	3	<10	3
C107602		<10	<10	3	<10	3
C107603		<10	<10	4	<10	4
C107604		10	<10	4	<10	3
C107605		10	10	4	<10	3
C107606		<10	20	6	<10	3
C107607		<10	<10	7	<10	2
C107608		<10	<10	4	<10	2
C107609		<10	<10	8	<10	5
C107610		<10	<10	3	<10	6
C107611		<10	<10	5	<10	2
C107612		<10	<10	7	<10	7
C107613		<10	10	7	<10	4
C107614		<10	<10	11	<10	3
C107615		<10	<10	15	10	4
C107616		<10	<10	9	<10	3
C107617		<10	<10	14	<10	3
C107618		<10	10	17	<10	5
C107619		<10	<10	15	<10	8
C107620		<10	<10	5	<10	4
C107621		<10	<10	6	<10	4
C107622		<10	<10	7	<10	5
C107623		<10	<10	9	<10	4
C107624		<10	<10	9	<10	4
C107625		<10	<10	5	<10	5
C107626		<10	<10	5	<10	3
C107627		<10	<10	16	<10	3
C107628		<10	20	15	<10	<2
C107629		<10	20	17	10	2
C107630		<10	<10	1	<10	7

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TWENTY-SEVEN CAPITAL CORP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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Finalized Date: 24-OCT-2006
Account: TWESEV

CERTIFICATE VA06104292

Project: IGOR

P.O. No.:

This report is for 84 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 19-SEP-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Keith Rogers, Executive Manager Vancouver Laboratory

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: IGOR

Finalized Date: 24-OCT-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06104292

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C107701		3.20	<0.2	1.61	4	<10	860	<0.5	<2	2.09	<0.5	30	31	104	8.03	<10
C107702		4.30	<0.2	0.77	<2	<10	100	<0.5	<2	2.46	<0.5	99	21	335	11.85	<10
C107703		4.70	1.0	0.90	53	<10	20	<0.5	<2	2.43	<0.5	476	19	626	21.8	10
C107704		3.40	<0.2	0.81	3	<10	630	<0.5	<2	1.57	<0.5	20	36	835	10.30	<10
C107705		2.18	<0.2	0.68	5	<10	1480	<0.5	<2	1.61	<0.5	15	27	39	8.45	<10
C107706		3.42	<0.2	1.45	<2	<10	2560	<0.5	<2	2.97	<0.5	11	27	55	8.22	<10
C107707		5.54	<0.2	0.30	<2	<10	2400	<0.5	<2	4.05	<0.5	5	25	23	4.34	<10
C107708		3.34	0.2	0.26	<2	<10	2220	<0.5	<2	4.65	<0.5	6	28	146	5.06	<10
C107709		4.60	<0.2	0.47	<2	<10	2300	<0.5	<2	3.53	<0.5	7	30	99	5.72	<10
C107710		3.90	<0.2	0.67	<2	<10	2050	<0.5	<2	3.57	<0.5	8	29	436	5.04	<10
C107711		5.16	0.5	0.64	21	<10	30	<0.5	<2	4.43	<0.5	164	15	417	8.99	<10
C107712		4.54	0.4	1.21	13	<10	40	<0.5	<2	2.59	<0.5	253	10	167	23.9	<10
C107713		2.88	<0.2	1.73	6	<10	130	<0.5	<2	1.88	<0.5	69	11	667	23.3	<10
C107714		4.68	0.3	1.06	<2	<10	160	<0.5	<2	3.33	<0.5	49	27	1730	11.10	<10
C107715		1.60	<0.2	0.05	3	<10	540	<0.5	<2	21.3	<0.5	2	1	12	0.29	<10
C107716		2.24	0.5	2.64	17	<10	60	<0.5	<2	3.57	<0.5	103	24	362	13.00	<10
C107717		5.04	<0.2	3.35	15	<10	60	<0.5	<2	3.24	<0.5	109	17	258	16.0	10
C107718		4.82	0.2	1.88	6	<10	50	<0.5	<2	5.10	<0.5	101	7	52	12.10	<10
C107719		4.54	0.2	1.56	19	<10	50	<0.5	<2	4.92	<0.5	99	6	15	11.50	<10
C107720		2.58	0.2	1.82	<2	<10	30	<0.5	<2	5.10	<0.5	134	14	7	11.05	<10
C107721		3.82	0.3	0.65	5	<10	50	<0.5	<2	5.05	<0.5	102	22	9	5.56	<10
C107722		4.12	0.6	0.77	<2	<10	650	<0.5	2	5.54	<0.5	22	19	6	4.81	<10
C107723		4.10	0.6	2.91	9	10	80	0.6	2	5.03	<0.5	170	19	17	8.68	10
C107724		3.96	0.4	2.46	<2	10	2850	<0.5	3	5.02	<0.5	18	11	15	5.74	<10
C107725		4.02	0.7	3.76	6	<10	200	0.8	3	2.50	<0.5	56	41	6	9.89	10
C107726		3.02	0.3	0.70	<2	<10	1750	<0.5	<2	4.25	<0.5	19	24	4	6.72	<10
C107727		2.90	0.4	0.61	4	<10	1720	<0.5	3	5.50	<0.5	10	21	25	5.96	<10
C107728		2.88	0.4	0.52	<2	<10	1780	<0.5	<2	5.52	<0.5	10	20	53	6.38	<10
C107729		3.68	0.3	1.13	4	<10	930	<0.5	<2	4.27	<0.5	49	6	62	4.32	<10
C107730		4.90	0.4	0.90	2	<10	1140	<0.5	<2	6.62	<0.5	27	3	30	5.21	<10
C107731		2.76	0.6	0.43	<2	<10	1620	<0.5	3	4.73	<0.5	13	3	3	6.32	<10
C107732		4.36	0.4	0.51	7	<10	400	<0.5	2	4.89	<0.5	34	3	7	3.63	<10
C107733		4.00	0.3	0.52	<2	<10	2560	<0.5	<2	3.70	<0.5	12	3	1	3.81	<10
C107734		3.20	0.4	1.19	<2	<10	450	<0.5	<2	5.26	<0.5	24	3	2	5.47	<10
C107735		1.94	0.5	2.81	9	<10	1320	0.8	<2	2.31	<0.5	42	5	1	8.91	<10
C107736		1.84	0.4	2.97	9	<10	470	0.7	<2	6.11	<0.5	42	8	23	9.03	10
C107737		5.28	0.4	0.77	<2	<10	1570	<0.5	3	2.82	<0.5	51	5	23	7.92	<10
C107738		4.42	0.7	1.79	77	<10	40	0.6	4	6.72	<0.5	130	2	1280	12.15	<10
C107739		1.64	0.4	0.87	4	<10	1910	<0.5	<2	4.63	<0.5	13	5	37	3.74	<10
C107740		2.88	0.4	1.40	<2	<10	200	<0.5	<2	4.87	<0.5	31	20	116	7.04	<10

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Project: IGOR

Finalized Date: 24-OCT-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06104292

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C107701		<1	0.06	20	1.31	1765	16	0.07	19	820	3	0.16	2	5	96	0.02
C107702		<1	0.03	20	1.01	2090	22	0.06	22	1520	4	0.57	4	5	260	0.01
C107703		<1	0.03	10	1.02	2150	94	0.06	40	2470	11	3.48	4	6	115	0.01
C107704		<1	0.16	10	0.85	1495	127	0.06	21	1060	2	0.21	2	5	105	0.01
C107705		<1	0.23	60	0.83	1285	7	0.06	18	1790	4	0.08	<2	4	146	0.01
C107706		<1	0.10	30	1.61	2330	3	0.06	25	980	6	0.09	4	6	99	0.04
C107707		<1	0.08	20	1.47	3360	1	0.06	10	660	4	0.06	<2	6	146	0.03
C107708		<1	0.03	40	1.65	3550	1	0.07	12	710	5	0.07	5	6	137	0.04
C107709		<1	0.03	30	1.61	4840	1	0.08	14	720	5	0.08	2	7	106	0.01
C107710		<1	0.02	30	1.69	3370	2	0.10	15	740	3	0.11	<2	7	87	0.01
C107711		<1	0.02	20	1.82	5420	161	0.04	34	1660	6	2.62	<2	10	316	0.01
C107712		<1	0.01	60	1.23	3660	66	0.03	45	4240	6	2.26	2	5	152	0.01
C107713		<1	0.01	50	1.29	2580	13	0.03	37	2670	2	0.51	6	4	120	0.01
C107714		<1	0.02	30	1.51	3780	9	0.04	18	1480	5	0.49	6	8	135	0.01
C107715		<1	0.01	<10	11.70	134	<1	0.01	3	440	6	<0.01	<2	<1	133	<0.01
C107716		<1	0.01	40	2.64	5160	21	0.04	37	1620	<2	1.05	6	6	112	0.02
C107717		<1	0.02	30	2.99	3350	19	0.01	40	1790	2	1.21	6	4	102	0.02
C107718		<1	0.03	20	2.95	3770	48	0.02	23	1860	5	1.28	3	3	252	0.01
C107719		<1	0.03	30	2.70	3850	45	0.02	29	1990	4	1.13	5	3	239	0.02
C107720		1	0.02	20	2.93	4860	29	0.03	51	1870	5	2.05	4	7	149	0.01
C107721		<1	0.05	10	2.15	4130	17	0.07	32	750	3	1.42	<2	8	70	0.01
C107722		<1	0.09	20	2.56	3900	9	0.05	24	720	3	0.31	<2	7	87	0.02
C107723		<1	0.20	10	3.61	3710	55	0.01	41	810	<2	1.31	3	8	87	0.01
C107724		<1	0.17	10	3.45	3550	1	0.02	22	600	<2	0.10	<2	6	112	<0.01
C107725		<1	0.10	20	2.99	2180	60	0.03	51	720	2	0.70	2	7	39	0.03
C107726		<1	0.06	30	1.87	3870	2	0.05	15	980	2	0.17	<2	6	75	0.04
C107727		<1	0.04	20	2.52	4440	2	0.05	14	810	<2	0.09	<2	7	137	0.03
C107728		<1	0.05	30	2.27	4640	3	0.05	16	970	3	0.13	<2	7	104	0.03
C107729		<1	0.26	10	2.02	3360	5	0.01	31	770	<2	0.35	<2	3	50	<0.01
C107730		<1	0.22	10	3.01	6130	3	0.01	16	560	4	0.29	<2	3	69	<0.01
C107731		<1	0.25	10	2.35	7440	<1	0.01	16	540	<2	0.05	<2	3	55	<0.01
C107732		<1	0.27	10	2.06	4650	<1	0.01	12	660	<2	0.33	<2	2	52	<0.01
C107733		<1	0.29	20	1.38	3980	<1	<0.01	12	660	<2	0.09	<2	2	88	<0.01
C107734		<1	0.18	10	2.88	5260	1	0.01	26	580	4	0.22	2	3	83	<0.01
C107735		2	0.24	10	2.67	5320	1	0.01	43	590	<2	0.26	<2	4	29	<0.01
C107736		<1	0.22	10	4.18	5590	3	0.01	47	600	<2	0.38	3	4	50	<0.01
C107737		<1	0.25	10	1.81	6530	<1	0.01	26	620	2	0.12	<2	2	70	<0.01
C107738		1	0.25	<10	3.47	8060	12	0.02	48	690	<2	4.33	2	9	49	<0.01
C107739		<1	0.29	20	1.78	4090	2	0.01	16	790	3	0.17	<2	3	93	<0.01
C107740		<1	0.08	20	2.63	5240	4	0.03	26	710	2	0.45	4	5	94	0.01

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CERTIFICATE OF ANALYSIS VA06104292

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Tl	U	V	W	Zn
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	10	10	1	10	2
C107701		<10	<10	34	<10	18
C107702		<10	10	49	<10	13
C107703		<10	<10	72	10	8
C107704		<10	10	54	10	7
C107705		<10	<10	45	<10	3
C107706		<10	<10	41	<10	12
C107707		<10	<10	33	<10	2
C107708		<10	<10	34	<10	4
C107709		<10	10	35	<10	5
C107710		<10	<10	31	<10	6
C107711		<10	30	15	<10	6
C107712		<10	30	41	<10	8
C107713		<10	<10	52	10	8
C107714		<10	10	33	<10	9
C107715		<10	10	<1	<10	5
C107716		<10	10	40	<10	11
C107717		<10	10	39	<10	13
C107718		<10	10	28	<10	8
C107719		<10	10	34	10	5
C107720		<10	<10	36	10	9
C107721		<10	20	34	<10	4
C107722		<10	10	22	<10	4
C107723		<10	10	22	<10	11
C107724		<10	<10	12	<10	10
C107725		<10	20	27	<10	17
C107726		<10	10	35	<10	5
C107727		<10	<10	30	<10	4
C107728		<10	10	29	<10	3
C107729		<10	10	8	<10	5
C107730		<10	<10	4	<10	5
C107731		<10	<10	4	<10	2
C107732		<10	<10	4	<10	2
C107733		<10	<10	4	<10	<2
C107734		<10	<10	5	<10	5
C107735		<10	10	10	<10	11
C107736		<10	10	14	<10	13
C107737		<10	<10	7	<10	3
C107738		<10	10	30	<10	9
C107739		<10	<10	7	<10	4
C107740		<10	10	27	<10	8

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Finalized Date: 24-OCT-2006
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CERTIFICATE OF ANALYSIS VA06104292

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C107741		0.74	2.7	1.07	238	<10	60	<0.5	32	2.37	<0.5	697	<1	6370	34.1	<10
C107742		3.32	0.4	1.62	<2	<10	270	<0.5	2	5.59	<0.5	34	15	272	7.15	<10
C107743		2.04	0.5	1.65	16	<10	50	<0.5	<2	5.12	<0.5	60	10	279	6.84	<10
C107744		2.06	0.7	1.60	5	<10	1050	0.5	3	3.78	<0.5	46	4	16	11.50	<10
C107745		5.02	0.4	0.70	12	<10	210	<0.5	2	5.67	<0.5	31	3	67	4.74	<10
C107746		1.10	0.7	0.68	<2	<10	1630	<0.5	2	3.39	<0.5	19	4	80	5.60	<10
C107747		2.54	0.5	0.53	<2	<10	560	<0.5	2	4.13	<0.5	32	3	9	6.33	<10
C107748		4.90	1.4	0.32	35	<10	40	<0.5	4	2.30	<0.5	145	<1	457	25.7	<10
C107749		5.08	1.5	0.28	29	<10	60	<0.5	2	1.16	<0.5	130	<1	91	30.7	<10
C107750		4.40	1.0	0.44	9	<10	130	<0.5	3	2.83	<0.5	60	2	49	17.2	<10
C107751		6.12	0.6	0.43	26	<10	70	<0.5	<2	4.67	<0.5	74	2	76	10.10	<10
C107752		6.18	0.7	0.49	14	<10	140	<0.5	<2	3.02	<0.5	46	2	30	11.15	<10
C107753		6.42	0.7	0.42	14	<10	380	<0.5	5	2.47	<0.5	49	<1	251	14.00	<10
C107754		1.80	<0.2	0.05	<2	<10	50	<0.5	<2	20.6	<0.5	1	2	2	0.12	<10
C107755		7.74	0.5	0.45	51	<10	240	<0.5	<2	4.90	<0.5	42	2	381	6.55	<10
C107756		4.18	0.4	0.47	81	<10	910	<0.5	<2	5.46	<0.5	37	2	78	5.33	<10
C107757		5.26	0.4	0.50	540	<10	1020	<0.5	2	4.85	<0.5	100	3	301	6.36	<10
C107758		6.52	<0.2	0.52	98	<10	1610	<0.5	<2	5.04	<0.5	49	4	428	5.24	<10
C107759		5.70	<0.2	0.47	73	<10	1160	<0.5	<2	4.98	<0.5	35	5	182	4.74	<10
C107760		6.38	<0.2	0.51	65	<10	460	<0.5	<2	3.53	<0.5	32	4	234	7.44	<10
C107761		5.78	<0.2	0.49	75	<10	1230	<0.5	<2	3.32	<0.5	33	3	66	6.82	<10
C107762		5.68	<0.2	0.49	36	<10	2050	<0.5	<2	4.91	<0.5	22	4	37	4.71	<10
C107763		6.14	<0.2	0.42	21	<10	1820	<0.5	<2	5.36	<0.5	26	3	49	6.76	<10
C107764		5.14	<0.2	0.40	6	<10	190	<0.5	<2	6.26	<0.5	119	2	7	5.06	<10
C107765		6.38	<0.2	0.40	159	<10	2080	<0.5	<2	6.42	<0.5	86	3	16	4.12	<10
C107766		6.38	<0.2	0.37	230	<10	2390	<0.5	<2	7.15	<0.5	105	2	9	4.49	<10
C107767		6.52	<0.2	0.43	211	<10	3660	<0.5	<2	6.30	<0.5	88	3	26	4.11	<10
C107768		7.22	<0.2	0.48	6	<10	2700	<0.5	<2	6.16	<0.5	9	3	16	4.61	<10
C107769		2.16	<0.2	0.48	6	<10	2050	<0.5	<2	6.69	<0.5	9	3	4	4.91	<10
C107770		6.40	<0.2	0.50	<2	<10	770	<0.5	<2	5.66	<0.5	21	5	1	4.21	<10
C107771		5.16	<0.2	0.56	<2	<10	1340	<0.5	<2	4.76	<0.5	15	6	1	4.14	<10
C107772		5.80	0.2	0.52	2	<10	810	<0.5	<2	4.55	<0.5	37	7	1	4.57	<10
C107773		5.94	<0.2	0.43	4	<10	1730	<0.5	<2	6.89	<0.5	20	4	3	4.73	<10
C107774		1.26	<0.2	0.08	4	<10	30	<0.5	<2	19.7	<0.5	1	2	2	0.14	<10
C107775		6.14	<0.2	0.42	3	<10	1940	<0.5	<2	5.83	<0.5	14	3	4	3.97	<10
C107776		3.70	<0.2	0.38	<2	<10	3490	<0.5	<2	5.92	<0.5	10	3	17	3.88	<10
C107777		5.50	<0.2	0.49	2	<10	3940	<0.5	<2	4.72	<0.5	6	9	39	5.41	<10
C107778		5.72	<0.2	0.48	<2	<10	2480	<0.5	<2	5.13	<0.5	17	5	13	6.79	<10
C107779		5.88	<0.2	0.54	<2	<10	540	<0.5	<2	0.98	<0.5	13	5	6	10.55	<10
C107780		6.60	<0.2	0.52	2	<10	1130	<0.5	<2	4.30	<0.5	33	7	2	4.44	<10

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CERTIFICATE OF ANALYSIS VA06104292

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C107741		4	0.08	<10	2.04	7520	12	0.01	106	650	<2	>10.0	<2	1	21	<0.01
C107742		<1	0.13	20	2.85	4870	7	0.03	27	680	2	0.30	<2	4	191	0.02
C107743		<1	0.20	10	2.58	4380	6	0.01	39	700	<2	1.50	2	3	108	<0.01
C107744		<1	0.26	30	2.68	11200	24	0.01	42	1160	5	0.29	2	4	67	<0.01
C107745		<1	0.25	10	2.82	5840	8	0.01	16	670	4	0.31	2	3	138	<0.01
C107746		<1	0.30	10	2.12	7540	3	0.01	15	540	<2	0.11	<2	3	123	<0.01
C107747		1	0.29	30	2.29	6820	3	0.01	15	770	<2	0.25	<2	3	88	<0.01
C107748		2	0.17	10	2.66	14400	41	0.01	40	1010	<2	3.33	<2	3	33	<0.01
C107749		<1	0.14	40	2.33	16000	44	0.01	38	1040	<2	2.70	<2	2	32	<0.01
C107750		<1	0.25	30	2.83	13300	11	0.02	23	730	<2	0.73	<2	3	32	<0.01
C107751		<1	0.24	20	2.56	8440	8	0.01	21	690	<2	1.23	<2	3	42	<0.01
C107752		<1	0.27	30	2.05	8560	18	0.02	24	920	<2	0.70	<2	3	31	<0.01
C107753		<1	0.23	30	2.24	10800	32	0.01	25	910	<2	0.52	<2	3	28	<0.01
C107754		<1	0.02	<10	11.50	139	<1	0.01	<1	430	3	<0.01	<2	<1	137	<0.01
C107755		<1	0.24	10	2.36	6730	1	0.01	25	620	<2	0.52	<2	3	35	<0.01
C107756		<1	0.25	10	2.20	5630	2	0.01	24	670	<2	0.11	<2	3	38	<0.01
C107757		<1	0.28	10	2.13	6360	7	0.02	44	660	<2	0.25	<2	3	32	<0.01
C107758		1	0.28	20	2.01	6010	3	0.02	20	660	4	0.28	<2	3	44	<0.01
C107759		1	0.26	10	1.90	5700	1	0.02	20	590	3	0.08	<2	3	35	<0.01
C107760		1	0.27	20	2.06	6020	<1	0.02	24	630	2	0.22	<2	3	22	<0.01
C107761		<1	0.26	10	1.97	6450	<1	0.01	22	660	3	0.19	<2	4	29	<0.01
C107762		1	0.27	10	1.90	4650	<1	0.02	17	740	3	0.24	2	3	52	<0.01
C107763		<1	0.24	10	2.20	6710	9	0.02	13	680	3	0.23	<2	3	60	<0.01
C107764		1	0.22	10	2.10	5010	<1	0.01	10	650	<2	1.02	<2	3	48	<0.01
C107765		1	0.22	10	2.09	4920	4	0.01	33	600	2	0.23	<2	3	86	<0.01
C107766		<1	0.22	10	2.49	5220	20	0.01	40	600	3	0.08	<2	3	72	<0.01
C107767		<1	0.23	20	2.10	5010	1	0.01	45	560	<2	0.12	<2	3	93	<0.01
C107768		<1	0.24	10	2.03	5170	<1	0.02	11	600	2	0.08	<2	3	74	<0.01
C107769		<1	0.23	20	2.25	5930	1	0.01	12	620	4	0.07	<2	3	55	<0.01
C107770		<1	0.26	20	1.91	4900	1	0.01	13	670	<2	0.13	<2	3	38	<0.01
C107771		<1	0.27	20	1.81	4880	<1	0.02	12	720	2	0.09	<2	3	40	<0.01
C107772		<1	0.27	10	1.65	3840	<1	0.01	16	640	<2	0.31	<2	2	35	0.01
C107773		<1	0.22	10	2.44	4830	2	0.01	14	590	2	0.21	<2	2	72	0.01
C107774		<1	0.01	<10	10.75	166	<1	0.01	2	410	<2	0.03	<2	1	124	<0.01
C107775		<1	0.21	10	2.06	4330	1	0.01	12	560	6	0.14	2	2	76	0.01
C107776		<1	0.21	10	2.10	4440	<1	0.01	13	590	3	0.11	<2	2	81	<0.01
C107777		<1	0.25	20	1.71	3530	<1	0.02	9	660	2	0.12	2	2	86	0.05
C107778		<1	0.24	10	2.28	6160	1	0.01	19	540	2	0.16	<2	2	67	<0.01
C107779		<1	0.26	10	1.33	6800	7	0.01	22	660	4	0.07	<2	2	12	<0.01
C107780		<1	0.28	20	1.52	3880	1	0.01	12	710	2	0.27	<2	2	68	<0.01

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: IGOR

Finalized Date: 24-OCT-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06104292

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
C107741		<10	10	13	<10	6
C107742		<10	10	20	<10	7
C107743		<10	10	13	<10	7
C107744		<10	10	11	<10	9
C107745		<10	10	5	<10	4
C107746		<10	<10	7	<10	4
C107747		<10	<10	7	<10	2
C107748		<10	<10	11	<10	6
C107749		<10	<10	12	<10	9
C107750		<10	10	8	<10	5
C107751		<10	<10	6	<10	3
C107752		<10	<10	8	<10	3
C107753		<10	<10	8	<10	3
C107754		<10	10	<1	<10	6
C107755		<10	<10	4	<10	2
C107756		<10	<10	5	<10	2
C107757		<10	<10	5	<10	2
C107758		<10	<10	5	<10	3
C107759		<10	<10	5	<10	2
C107760		<10	<10	6	<10	3
C107761		<10	<10	5	<10	3
C107762		<10	<10	5	<10	2
C107763		<10	<10	5	<10	2
C107764		<10	<10	4	<10	<2
C107765		<10	<10	4	<10	2
C107766		<10	<10	4	<10	3
C107767		<10	<10	4	<10	2
C107768		<10	<10	4	<10	2
C107769		<10	<10	6	<10	3
C107770		<10	<10	6	<10	2
C107771		<10	<10	6	<10	3
C107772		<10	<10	9	<10	3
C107773		<10	<10	7	<10	2
C107774		<10	<10	<1	<10	6
C107775		<10	<10	5	<10	5
C107776		<10	<10	4	<10	3
C107777		<10	<10	17	<10	<2
C107778		<10	<10	7	<10	2
C107779		<10	10	9	<10	4
C107780		<10	<10	9	<10	2

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Project: IGOR

Finalized Date: 24-OCT-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06104292

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C107781		5.76	<0.2	0.50	<2	<10	3830	<0.5	<2	6.52	<0.5	15	8	3	5.75	<10
C107782		6.26	<0.2	0.52	2	<10	3790	<0.5	<2	5.33	<0.5	9	7	9	4.86	<10
C107783		4.24	<0.2	0.46	4	<10	3320	<0.5	<2	6.44	<0.5	12	5	9	5.47	<10
C107784		4.82	<0.2	0.49	<2	<10	4050	<0.5	<2	4.61	<0.5	9	7	22	4.52	<10

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CERTIFICATE OF ANALYSIS VA06104292

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C107781		<1	0.26	10	2.22	5250	<1	0.01	14	630	3	0.13	<2	3	129	0.04
C107782		<1	0.24	10	1.82	4040	<1	0.01	13	620	2	0.12	<2	2	116	0.03
C107783		<1	0.25	20	2.07	5390	1	0.01	12	740	2	0.10	<2	3	138	0.02
C107784		<1	0.28	20	1.33	3890	1	0.01	12	700	<2	0.12	<2	2	118	0.03

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CERTIFICATE OF ANALYSIS VA06104292

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Tl	U	V	W	Zn
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	10	10	1	10	2
C107781		<10	<10	13	<10	2
C107782		<10	<10	12	<10	2
C107783		<10	<10	11	<10	<2
C107784		<10	<10	11	<10	2

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To: TWENTY-SEVEN CAPITAL CORP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 24-NOV-2006
Account: TWESEV

CERTIFICATE VA06116200

Project: IGOR

P.O. No.:

This report is for 128 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 12-OCT-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

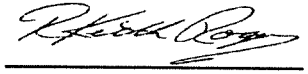
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF05	Trace Level XRF Analysis	XRF
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS

To: **TWENTY-SEVEN CAPITAL CORP**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

Signature: 

Keith Rogers, Executive Manager Vancouver Laboratory

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Project: IGOR

Finalized Date: 24-NOV-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06116200

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C106201		1.86	0.6	2.00	<2	<10	1410	0.5	<2	0.21	<0.5	51	27	245	8.78	10
C106202		0.98	0.7	0.12	90	<10	110	<0.5	<2	2.86	<0.5	640	<1	465	35.2	10
C106203		1.96	2.3	0.15	231	<10	190	<0.5	2	2.23	<0.5	2140	<1	1375	39.7	<10
C106204		0.64	2.4	0.45	186	<10	100	<0.5	<2	4.47	<0.5	353	1	143	32.6	10
C106205		1.50	<0.2	0.68	15	<10	60	<0.5	<2	4.42	<0.5	180	13	136	13.60	<10
C106206		0.68	<0.2	0.64	13	<10	120	<0.5	<2	2.49	<0.5	72	3	368	35.2	10
C106207		3.24	<0.2	0.85	<2	<10	580	<0.5	<2	1.87	<0.5	22	25	352	8.78	<10
C106208		0.46	1.3	1.82	<2	<10	240	<0.5	<2	0.92	<0.5	62	39	78	10.05	10
C106209		0.60	13.0	0.99	<2	<10	130	<0.5	<2	0.61	<0.5	85	29	56	15.7	10
C106210		1.34	0.2	1.30	2	<10	200	<0.5	<2	0.49	<0.5	84	17	15	23.3	10
C106211		1.14	<0.2	1.48	<2	<10	930	0.5	<2	0.20	<0.5	48	25	44	6.97	10
C106212		2.42	<0.2	0.71	<2	<10	2490	<0.5	<2	0.18	<0.5	50	12	18	7.40	<10
C106213		2.90	<0.2	0.66	<2	<10	2340	<0.5	<2	0.17	<0.5	48	8	40	7.36	<10
C106214		3.00	<0.2	0.90	<2	<10	2870	<0.5	<2	0.19	<0.5	52	7	19	9.02	<10
C106215		2.80	<0.2	0.72	<2	<10	3360	<0.5	<2	3.27	<0.5	44	6	19	6.57	<10
C106216		3.28	<0.2	0.56	<2	<10	3000	<0.5	<2	3.81	<0.5	25	5	11	4.99	<10
C106217		2.50	<0.2	0.61	<2	<10	4150	<0.5	<2	3.79	<0.5	22	6	4	5.27	<10
C106218		2.24	<0.2	0.61	<2	<10	3610	<0.5	<2	3.44	<0.5	21	6	5	4.90	<10
C106219		2.46	<0.2	0.61	<2	<10	3560	<0.5	<2	4.13	<0.5	31	4	6	5.70	<10
C106220		0.54	<0.2	0.05	<2	<10	240	<0.5	<2	18.0	<0.5	1	2	1	0.14	<10
C106221		0.52	<0.2	0.63	<2	<10	2620	<0.5	<2	1.73	<0.5	67	6	4	8.90	<10
C106222		1.44	<0.2	0.92	13	<10	150	<0.5	<2	2.01	<0.5	143	4	79	20.6	<10
C106223		2.18	0.4	0.99	40	<10	90	<0.5	3	3.15	<0.5	123	5	896	15.9	<10
C106224		3.48	<0.2	0.52	<2	<10	3530	<0.5	<2	4.38	<0.5	41	4	9	6.57	<10
C106225		4.32	<0.2	0.53	<2	<10	3660	<0.5	<2	2.17	<0.5	56	7	5	9.09	<10
C106226		6.16	<0.2	0.71	<2	<10	3870	<0.5	<2	1.83	<0.5	52	8	4	9.44	<10
C106227		4.30	<0.2	0.79	<2	<10	3380	<0.5	<2	1.46	<0.5	60	9	3	9.44	<10
C106228		3.62	<0.2	0.75	2	<10	2960	<0.5	<2	1.42	<0.5	58	8	10	9.08	<10
C106229		5.18	<0.2	0.59	<2	<10	3900	<0.5	<2	2.00	<0.5	58	8	3	9.30	<10
C106230		5.12	<0.2	0.62	<2	<10	3130	<0.5	<2	2.42	<0.5	47	7	2	8.00	<10
C106231		5.26	0.2	0.61	2	<10	2270	<0.5	<2	2.56	<0.5	51	6	5	9.70	<10
C106232		5.18	<0.2	0.67	<2	<10	3010	<0.5	<2	1.53	<0.5	61	8	2	9.51	<10
C106233		5.00	<0.2	0.70	2	<10	2850	<0.5	<2	2.26	<0.5	61	8	2	9.61	<10
C106234		3.32	<0.2	0.66	<2	<10	2600	<0.5	<2	2.21	<0.5	58	8	2	8.08	<10
C106235		4.24	0.2	0.64	<2	<10	1860	<0.5	<2	1.89	<0.5	61	8	3	9.00	<10
C106236		3.28	0.2	0.61	<2	<10	1720	<0.5	<2	3.32	<0.5	59	5	5	7.13	<10
C106237		4.82	0.2	0.56	<2	<10	2550	<0.5	<2	2.50	<0.5	57	7	8	8.62	<10
C106238		5.16	<0.2	0.56	<2	<10	2760	<0.5	<2	2.45	<0.5	50	7	8	7.62	<10
C106239		4.92	<0.2	0.56	2	<10	2800	<0.5	<2	2.48	<0.5	49	6	2	7.48	<10
C106240		5.24	<0.2	0.55	<2	<10	3720	<0.5	<2	3.05	<0.5	46	6	1	6.96	<10

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Finalized Date: 24-NOV-2006
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CERTIFICATE OF ANALYSIS VA06116200

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C106201		<1	0.18	30	0.88	926	3	0.04	29	630	3	0.26	<2	3	31	0.01
C106202		1	<0.01	10	0.80	4410	182	0.01	63	3240	17	6.98	<2	3	49	<0.01
C106203		4	0.01	20	0.59	3100	275	0.02	85	1580	28	>10.0	<2	4	33	<0.01
C106204		1	0.02	10	1.39	5350	18	0.03	54	2470	29	4.49	<2	7	67	<0.01
C106205		<1	0.04	50	1.26	4060	27	0.10	27	2390	5	1.95	<2	5	132	<0.01
C106206		<1	0.02	110	0.46	1190	16	0.08	54	1720	7	0.75	<2	1	147	<0.01
C106207		<1	0.03	50	1.09	2560	6	0.07	18	810	3	0.26	<2	3	132	<0.01
C106208		<1	0.03	40	1.07	1225	151	0.04	31	1480	3	0.39	<2	3	161	0.01
C106209		<1	0.01	30	0.94	2020	46	0.05	35	1070	5	0.53	<2	4	146	0.01
C106210		<1	0.01	40	1.15	2470	15	0.04	46	1540	4	0.52	<2	3	126	0.01
C106211		<1	0.22	20	0.77	1050	2	0.04	22	820	<2	0.25	<2	3	45	0.01
C106212		<1	0.30	30	0.54	3230	3	0.02	17	680	<2	0.17	<2	2	45	0.03
C106213		<1	0.32	20	0.50	3610	4	0.01	19	650	<2	0.17	<2	2	45	0.02
C106214		<1	0.31	10	0.75	4550	3	0.02	22	630	2	0.12	<2	2	68	0.01
C106215		<1	0.31	10	1.45	5440	1	0.02	16	630	3	0.12	<2	3	111	0.01
C106216		<1	0.31	20	1.39	4890	2	0.02	12	640	2	0.10	<2	3	92	0.01
C106217		<1	0.33	20	1.40	4530	2	0.02	12	630	2	0.12	<2	2	115	0.02
C106218		<1	0.34	10	1.17	4390	2	0.02	11	680	<2	0.11	<2	2	119	0.01
C106219		<1	0.26	10	1.57	5760	3	0.02	14	600	<2	0.11	<2	3	118	0.01
C106220		<1	0.02	<10	9.72	188	<1	0.02	1	470	<2	<0.01	<2	<1	110	<0.01
C106221		<1	0.29	10	1.15	6910	7	0.02	19	700	2	0.13	<2	3	70	<0.01
C106222		1	0.16	30	1.58	12550	32	0.02	32	1820	7	0.92	<2	3	96	<0.01
C106223		<1	0.25	10	2.01	9380	18	0.02	28	1210	5	1.74	<2	3	53	<0.01
C106224		<1	0.28	10	1.38	6050	9	0.03	12	640	2	0.17	<2	2	113	<0.01
C106225		<1	0.30	20	0.91	5970	2	0.02	17	630	<2	0.14	<2	2	91	<0.01
C106226		<1	0.38	20	0.92	6000	3	0.03	20	690	2	0.12	<2	3	94	0.01
C106227		<1	0.38	20	1.00	6390	2	0.03	19	650	<2	0.11	<2	3	73	0.02
C106228		<1	0.38	20	0.95	6080	3	0.02	18	640	3	0.10	<2	2	67	0.02
C106229		<1	0.31	10	0.97	6430	4	0.03	16	630	3	0.14	<2	2	110	0.03
C106230		<1	0.34	10	0.97	6170	3	0.02	14	640	2	0.11	<2	2	119	0.03
C106231		<1	0.36	30	1.03	5760	4	0.02	21	720	4	0.10	<2	3	139	0.02
C106232		<1	0.40	20	0.80	5480	5	0.03	18	720	4	0.12	<2	3	115	0.03
C106233		<1	0.40	20	1.11	6210	3	0.03	17	660	<2	0.10	<2	3	119	0.03
C106234		<1	0.37	20	0.97	5240	2	0.03	16	690	2	0.15	<2	2	109	0.03
C106235		<1	0.37	20	0.80	6740	3	0.02	18	690	3	0.11	<2	3	118	0.03
C106236		<1	0.37	20	1.17	7060	52	0.03	18	660	2	0.13	<2	3	147	0.01
C106237		<1	0.34	10	0.86	7330	2	0.03	17	640	3	0.09	<2	3	143	0.02
C106238		<1	0.35	10	0.80	6920	2	0.03	15	670	3	0.10	<2	2	165	0.02
C106239		<1	0.31	20	0.85	6710	2	0.02	16	650	2	0.10	<2	2	146	0.02
C106240		<1	0.33	20	0.90	8240	2	0.03	13	660	2	0.11	<2	3	157	0.02

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To: TWENTY-SEVEN CAPITAL CORP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: IGOR

Finalized Date: 24-NOV-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06116200

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46	ME-XRF05
	Analyte	Tl	U	V	W	Zn	Cu	U
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	10	1	10	2	0.01	4
C106201		<10	10	31	<10	12		
C106202		<10	10	42	<10	<2		
C106203		<10	10	22	<10	2		
C106204		<10	10	41	<10	4		
C106205		<10	<10	19	<10	5		
C106206		<10	<10	53	10	2		
C106207		<10	<10	21	<10	6		
C106208		<10	10	29	<10	12		
C106209		<10	10	40	<10	7		
C106210		<10	<10	73	10	9		
C106211		<10	<10	22	<10	8		
C106212		<10	<10	14	<10	3		
C106213		<10	10	10	<10	3		
C106214		<10	<10	10	<10	4		
C106215		<10	<10	10	<10	3		
C106216		<10	<10	8	<10	2		
C106217		<10	<10	10	<10	<2		
C106218		<10	<10	10	<10	<2		
C106219		<10	<10	8	<10	2		
C106220		<10	10	1	<10	5		
C106221		<10	<10	10	<10	4		
C106222		<10	<10	23	<10	7		
C106223		<10	<10	16	<10	9		
C106224		<10	<10	7	<10	2		
C106225		<10	<10	11	<10	2		
C106226		<10	<10	14	<10	2		
C106227		<10	<10	13	<10	2		
C106228		<10	<10	13	<10	2		
C106229		<10	<10	13	<10	2		
C106230		<10	<10	13	<10	<2		
C106231		<10	<10	16	<10	3		
C106232		<10	<10	16	<10	2		
C106233		<10	<10	15	<10	<2		
C106234		<10	10	13	<10	2		
C106235		<10	<10	15	<10	<2		
C106236		<10	10	9	<10	2		
C106237		<10	<10	15	<10	2		
C106238		<10	10	14	<10	<2		
C106239		<10	<10	12	<10	<2		
C106240		<10	<10	11	<10	<2		

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Project: IGOR

Finalized Date: 24-NOV-2006
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CERTIFICATE OF ANALYSIS VA06116200

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C106241		0.60	<0.2	0.04	<2	<10	250	<0.5	<2	19.5	<0.5	<1	1	1	0.12	<10
C106242		4.26	<0.2	0.70	<2	<10	2860	<0.5	<2	2.50	<0.5	44	7	4	7.50	<10
C106243		3.04	<0.2	0.52	<2	<10	2410	<0.5	<2	1.84	<0.5	62	6	1	8.79	<10
C106244		6.02	0.4	0.67	4	<10	1030	<0.5	<2	2.81	<0.5	74	4	39	10.10	<10
C106245		5.14	<0.2	0.54	2	<10	1760	<0.5	<2	2.21	<0.5	60	5	2	7.90	<10
C106246		5.72	<0.2	0.60	<2	<10	3360	<0.5	<2	3.09	<0.5	43	5	2	7.03	<10
C106247		5.16	<0.2	0.56	<2	<10	2940	<0.5	<2	1.41	<0.5	64	8	2	9.82	<10
C106248		3.88	<0.2	0.57	<2	<10	3140	<0.5	<2	0.72	<0.5	72	9	3	11.40	<10
C106249		4.64	0.3	0.52	<2	<10	2770	<0.5	<2	1.55	<0.5	58	7	6	10.20	<10
C106250		3.52	0.2	0.58	4	<10	1170	<0.5	<2	0.82	<0.5	82	7	27	9.82	<10
C106251		5.50	0.2	0.59	29	<10	150	<0.5	<2	1.04	<0.5	150	2	609	18.4	<10
C106252		4.96	<0.2	0.96	12	<10	800	<0.5	<2	0.33	<0.5	20	7	250	10.75	<10
C106253		6.22	1.3	0.56	194	<10	30	<0.5	8	0.72	<0.5	167	1	650	23.8	<10
C106254		6.04	<0.2	0.90	26	<10	230	<0.5	<2	0.45	<0.5	41	7	44	7.41	<10
C106255		6.62	<0.2	0.45	3	<10	470	<0.5	<2	3.98	<0.5	28	3	16	6.43	<10
C106256		6.74	<0.2	0.40	<2	<10	880	<0.5	<2	3.39	<0.5	28	2	124	9.70	<10
C106257		5.00	<0.2	0.47	<2	<10	940	<0.5	<2	3.64	<0.5	13	3	16	6.03	<10
C106258		6.00	<0.2	0.48	3	<10	850	<0.5	<2	4.09	<0.5	15	3	20	6.64	<10
C106259		5.46	<0.2	0.65	<2	<10	1310	<0.5	<2	1.52	<0.5	38	8	21	6.22	<10
C106260		1.30	<0.2	0.07	<2	<10	40	<0.5	<2	19.9	<0.5	1	2	3	0.14	<10
C106261		0.54	<0.2	0.56	<2	<10	800	<0.5	<2	2.21	<0.5	20	4	27	7.47	<10
C106262		5.04	0.8	0.30	46	<10	80	<0.5	4	1.09	<0.5	111	<1	9700	29.1	<10
C106263		2.92	1.6	0.53	104	<10	40	<0.5	7	0.79	<0.5	184	2	>10000	27.7	<10
C106264		2.12	2.4	0.18	234	<10	40	<0.5	19	0.75	<0.5	360	<1	>10000	36.9	<10
C106265		3.18	2.3	0.69	235	<10	50	<0.5	28	3.12	<0.5	395	3	5890	28.3	<10
C106266		2.40	0.3	1.59	36	<10	50	<0.5	2	1.94	<0.5	93	15	745	11.05	<10
C106267		3.38	0.9	1.60	74	<10	40	<0.5	10	1.68	<0.5	206	6	1530	24.3	<10
C106268		4.76	<0.2	0.92	24	<10	70	0.5	<2	0.26	<0.5	52	9	91	4.07	<10
C106269		5.82	0.8	1.26	88	<10	30	<0.5	5	4.68	<0.5	235	18	7360	20.2	<10
C106270		7.16	1.1	1.01	116	<10	20	<0.5	10	6.91	<0.5	302	7	7180	26.2	<10
C106271		6.72	0.8	0.98	75	<10	30	<0.5	10	7.79	<0.5	141	4	1430	28.8	<10
C106272		7.78	0.6	1.12	50	<10	30	<0.5	7	7.17	<0.5	127	4	1520	29.9	10
C106273		7.80	0.7	0.93	58	<10	30	<0.5	6	5.37	<0.5	182	<1	193	35.7	10
C106274		4.40	0.8	1.24	40	<10	40	<0.5	4	6.13	<0.5	132	2	1490	30.7	10
C106275		6.30	0.8	0.54	63	<10	20	<0.5	11	6.28	<0.5	142	<1	3600	19.6	10
C106276		4.46	0.9	0.14	128	<10	40	<0.5	9	10.10	<0.5	137	<1	5800	18.1	<10
C106277		1.94	1.3	0.44	196	<10	40	<0.5	19	2.55	<0.5	316	<1	3100	25.5	<10
C106278		1.70	0.3	4.25	48	<10	30	0.6	3	0.83	<0.5	95	16	658	15.2	10
C106279		4.62	0.6	0.56	87	<10	50	<0.5	7	6.85	<0.5	215	<1	7450	22.3	<10
C106280		2.64	<0.2	0.08	5	<10	50	<0.5	<2	18.3	<0.5	5	1	40	0.35	<10

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C106241		<1	0.01	<10	10.70	133	<1	0.02	<1	360	2	<0.01	<2	<1	114	<0.01
C106242		<1	0.38	20	0.89	6490	2	0.03	17	670	2	0.09	<2	3	153	0.02
C106243		<1	0.31	20	0.85	6840	9	0.02	22	630	2	0.09	<2	3	134	<0.01
C106244		1	0.36	20	1.20	8410	58	0.02	26	960	3	0.18	<2	3	102	<0.01
C106245		<1	0.30	20	0.93	6660	13	0.02	18	650	2	0.12	<2	3	98	<0.01
C106246		<1	0.35	10	1.26	6140	10	0.03	14	600	2	0.10	<2	3	137	<0.01
C106247		<1	0.32	10	0.77	6010	3	0.02	17	650	3	0.09	<2	3	99	<0.01
C106248		<1	0.33	10	0.66	6110	5	0.02	17	590	2	0.09	<2	3	88	<0.01
C106249		<1	0.30	20	0.84	5820	7	0.02	15	700	2	0.08	<2	3	110	<0.01
C106250		<1	0.33	10	0.72	5740	3	0.01	15	680	2	0.18	<2	3	55	<0.01
C106251		<1	0.30	20	1.35	8850	24	0.01	32	820	3	1.20	<2	3	13	<0.01
C106252		<1	0.50	60	0.80	4240	26	0.02	9	1150	2	0.63	<2	3	18	<0.01
C106253		1	0.28	20	0.90	4840	67	0.01	34	3160	8	>10.0	<2	3	22	<0.01
C106254		<1	0.48	30	0.56	2900	34	0.02	12	1310	2	1.03	<2	2	13	<0.01
C106255		<1	0.24	10	1.67	4570	2	0.02	11	680	2	0.34	<2	3	35	<0.01
C106256		<1	0.22	20	1.53	5440	1	0.02	15	750	2	0.11	<2	3	49	<0.01
C106257		<1	0.26	20	1.27	4400	1	0.01	10	710	2	0.04	<2	2	55	<0.01
C106258		<1	0.25	20	1.40	5070	1	0.02	11	690	2	0.04	<2	2	58	<0.01
C106259		<1	0.29	20	1.46	4020	5	0.02	8	700	<2	0.19	<2	2	26	<0.01
C106260		<1	0.02	<10	10.90	151	<1	0.02	1	460	2	<0.01	<2	<1	118	<0.01
C106261		<1	0.27	20	2.63	5700	58	0.02	5	670	3	0.05	<2	3	15	<0.01
C106262		1	0.05	140	5.04	15000	68	0.01	24	1380	8	2.96	<2	1	18	<0.01
C106263		6	0.11	320	2.60	16750	69	0.01	30	2360	10	6.92	<2	1	26	<0.01
C106264		7	0.02	140	1.54	12850	72	0.01	43	1360	16	>10.0	2	1	19	<0.01
C106265		7	0.07	70	1.61	7220	49	0.01	49	1980	18	>10.0	4	2	25	<0.01
C106266		1	0.22	50	1.56	4410	11	0.01	12	1080	6	2.94	<2	3	16	<0.01
C106267		5	0.11	20	2.64	9760	34	0.01	30	1910	7	8.90	<2	3	28	<0.01
C106268		1	0.31	30	0.29	217	4	0.01	8	1030	2	1.32	<2	1	37	0.01
C106269		1	0.11	120	1.46	3570	29	0.05	49	2640	6	7.30	<2	4	70	0.01
C106270		<1	0.04	60	1.55	4640	50	0.14	50	3300	6	>10.0	<2	4	96	<0.01
C106271		<1	0.01	20	2.05	6310	36	0.05	58	3470	11	6.88	<2	4	132	<0.01
C106272		<1	0.01	20	1.75	5470	51	0.07	32	3090	5	5.16	<2	3	124	<0.01
C106273		<1	0.01	20	1.54	4770	49	0.01	40	3520	9	7.26	<2	3	103	0.01
C106274		1	<0.01	20	2.16	8170	48	0.02	45	3930	7	4.74	<2	3	89	0.01
C106275		<1	<0.01	30	2.06	11050	35	0.02	29	7800	10	4.35	<2	2	75	0.01
C106276		<1	0.02	10	3.82	11550	41	0.02	24	2120	7	5.68	<2	3	59	<0.01
C106277		1	0.01	<10	1.89	12000	38	0.02	54	1490	11	>10.0	2	3	28	<0.01
C106278		<1	0.11	10	2.13	843	8	0.01	42	1120	4	3.21	<2	2	14	<0.01
C106279		<1	0.01	10	2.26	10300	50	0.02	37	2370	8	7.28	<2	5	108	<0.01
C106280		<1	0.01	<10	9.72	118	1	0.01	1	310	2	<0.01	<2	<1	117	<0.01

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To: TWENTY-SEVEN CAPITAL CORP
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: IGOR

Finalized Date: 24-NOV-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06116200

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46	ME-XRF05
	Analyte	Tl	U	V	W	Zn	Cu	U
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	10	1	10	2	0.01	4
C106241		<10	10	1	<10	6		
C106242		<10	<10	13	<10	<2		
C106243		<10	<10	10	<10	2		
C106244		<10	10	12	<10	2		
C106245		<10	10	9	<10	<2		
C106246		<10	10	8	<10	<2		
C106247		<10	<10	13	<10	<2		
C106248		<10	<10	15	<10	<2		
C106249		<10	10	14	<10	<2		
C106250		<10	<10	11	<10	2		
C106251		<10	<10	12	<10	4		
C106252		<10	10	16	<10	3		
C106253		<10	30	15	<10	3		
C106254		<10	10	11	<10	2		
C106255		<10	<10	5	<10	2		
C106256		<10	<10	7	<10	2		
C106257		<10	<10	5	<10	2		
C106258		<10	<10	5	<10	2		
C106259		<10	10	9	<10	3		
C106260		<10	10	1	<10	9		
C106261		<10	<10	7	<10	2		
C106262		<10	<10	19	<10	6		
C106263		<10	<10	29	<10	11	1.42	
C106264		<10	10	25	<10	13	1.31	
C106265		<10	10	30	<10	11		
C106266		<10	<10	26	<10	16		
C106267		<10	10	39	<10	15		
C106268		<10	<10	15	<10	3		
C106269		<10	10	67	20	6		
C106270		<10	10	58	<10	6		
C106271		<10	10	62	<10	4		
C106272		<10	10	53	10	2		
C106273		<10	10	62	<10	3		
C106274		<10	20	62	<10	6		
C106275		<10	10	31	<10	14		
C106276		<10	10	16	<10	7		
C106277		<10	10	16	10	6		
C106278		<10	10	16	<10	14		
C106279		<10	10	27	<10	7		
C106280		<10	10	1	<10	6		

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Project: IGOR

Finalized Date: 24-NOV-2006
Account: TWESEV

CERTIFICATE OF ANALYSIS VA06116200

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C106281		1.32	1.0	3.56	160	<10	30	<0.5	7	1.75	<0.5	263	18	8430	23.9	10
C106282		1.48	0.2	1.57	49	<10	30	<0.5	2	2.78	<0.5	127	6	1160	20.2	<10
C106283		5.22	0.2	2.22	46	<10	50	<0.5	<2	3.19	<0.5	97	26	874	10.45	10
C106284		6.20	0.2	0.95	42	<10	30	<0.5	<2	2.53	<0.5	111	22	257	10.00	<10
C106285		6.64	0.6	1.16	86	<10	30	<0.5	2	2.90	<0.5	170	19	1620	15.8	<10
C106286		1.12	1.0	0.79	147	<10	70	<0.5	6	4.15	<0.5	255	<1	6560	32.8	10
C106287		1.96	1.3	1.55	224	<10	60	<0.5	12	1.30	<0.5	437	11	1430	29.6	10
C106288		5.06	0.2	2.14	10	<10	90	<0.5	2	1.23	<0.5	64	26	672	11.65	10
C106289		4.30	<0.2	4.14	11	<10	60	0.7	<2	0.43	<0.5	78	34	508	16.7	10
C106290		4.16	1.7	3.51	171	<10	40	0.6	20	3.82	<0.5	350	16	1660	24.4	10
C106291		1.54	1.1	4.60	169	<10	60	0.8	9	4.09	<0.5	275	14	946	27.2	10
C106292		4.12	0.2	0.73	21	<10	270	<0.5	<2	3.72	<0.5	32	5	201	4.24	<10
C106293		4.86	<0.2	0.47	7	<10	540	<0.5	<2	4.16	<0.5	31	4	97	5.75	<10
C106294		6.66	0.2	0.37	2	<10	2120	<0.5	<2	3.66	<0.5	34	3	130	6.94	<10
C106295		5.98	<0.2	0.47	3	<10	2390	<0.5	<2	3.66	<0.5	36	2	38	7.05	<10
C106296		1.00	<0.2	0.57	3	<10	2750	<0.5	<2	3.39	<0.5	31	3	89	6.28	<10
C106297		2.72	0.5	0.51	22	<10	80	<0.5	2	3.10	<0.5	108	2	4620	9.60	<10
C106298		3.68	0.3	0.55	12	<10	790	<0.5	<2	4.30	<0.5	47	7	416	6.37	<10
C106299		5.68	1.1	1.07	132	<10	30	<0.5	9	3.43	<0.5	399	14	1800	15.6	<10
C106300		5.58	0.5	1.45	57	<10	30	<0.5	5	1.59	<0.5	184	27	2510	14.9	10
C106301		6.68	0.8	0.92	71	<10	30	<0.5	8	3.71	<0.5	386	2	8440	33.1	10
C106302		7.00	1.0	0.70	39	<10	30	<0.5	5	3.37	<0.5	264	2	>10000	30.5	10
C106303		5.64	<0.2	0.77	9	<10	70	<0.5	3	1.46	<0.5	106	24	1960	20.8	10
C106304		6.18	<0.2	0.70	3	<10	300	<0.5	2	0.90	<0.5	39	30	165	11.05	10
C106305		2.50	0.3	0.36	13	<10	40	<0.5	4	2.77	<0.5	185	12	21	23.7	10
C106306		2.28	<0.2	0.04	5	<10	270	<0.5	<2	21.5	<0.5	<1	<1	6	0.13	<10
C106307		6.88	<0.2	0.87	7	<10	80	<0.5	<2	2.81	<0.5	64	11	10	9.68	<10
C106308		5.72	0.3	0.70	3	<10	210	<0.5	2	2.53	<0.5	58	9	8	7.17	<10
C106309		6.12	0.2	1.00	5	<10	290	<0.5	2	2.14	<0.5	39	23	4	8.13	<10
C106310		0.72	0.2	0.41	9	<10	1120	<0.5	2	1.58	<0.5	6	1	3	14.9	<10
C106311		1.10	<0.2	0.53	4	<10	1280	<0.5	2	3.74	<0.5	13	13	3	8.31	<10
C106312		3.52	<0.2	0.12	<2	<10	1920	<0.5	<2	3.48	<0.5	3	16	36	4.08	<10
C106313		2.62	<0.2	0.14	4	<10	2180	<0.5	<2	4.77	<0.5	4	13	8	3.81	<10
C106314		1.02	0.3	0.37	11	<10	30	<0.5	3	2.36	<0.5	126	2	11	11.60	<10
C106315		0.72	0.3	0.63	26	<10	20	<0.5	6	5.72	<0.5	73	1	7	11.75	<10
C106316		5.92	0.2	0.56	10	<10	30	<0.5	4	5.34	<0.5	61	10	14	8.83	<10
C106317		0.68	0.6	2.47	12	<10	20	<0.5	12	4.51	<0.5	211	12	73	11.55	10
C106318		5.08	0.2	0.84	3	<10	1140	<0.5	<2	1.35	<0.5	32	10	236	6.72	<10
C106319		4.80	<0.2	0.67	6	<10	930	<0.5	2	2.18	<0.5	33	10	659	5.12	<10
C106320		2.02	<0.2	0.10	2	<10	60	<0.5	<2	20.9	<0.5	<1	<1	2	0.15	<10

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Project: IGOR

Finalized Date: 24-NOV-2006
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CERTIFICATE OF ANALYSIS VA06116200

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C106281		1	0.05	10	1.93	1650	38	0.01	52	2020	6	9.27	<2	2	40	0.01
C106282		<1	0.02	20	1.27	2360	11	0.06	25	3030	5	3.70	<2	3	64	0.01
C106283		<1	0.16	10	1.70	2890	14	0.03	17	1390	3	2.03	<2	3	94	<0.01
C106284		<1	0.21	10	0.97	2470	16	0.03	21	1320	3	2.50	<2	2	97	<0.01
C106285		1	0.22	20	1.04	2810	26	0.03	30	1570	3	5.06	<2	3	67	<0.01
C106286		1	0.02	10	1.16	4840	49	0.02	44	2120	7	8.37	<2	3	87	<0.01
C106287		1	0.18	10	0.72	1100	19	0.02	51	1150	9	>10.0	<2	1	27	<0.01
C106288		<1	0.27	60	0.93	738	24	0.03	24	1080	2	1.26	<2	2	46	<0.01
C106289		<1	0.12	20	1.95	374	9	0.02	24	990	2	1.49	<2	1	42	<0.01
C106290		1	0.02	50	2.55	5660	29	0.02	46	1560	17	9.39	<2	5	40	0.01
C106291		1	0.02	10	3.60	3860	33	0.02	45	2200	9	8.31	<2	6	41	0.01
C106292		<1	0.19	10	1.27	4140	5	0.02	6	800	2	0.61	<2	2	73	<0.01
C106293		<1	0.17	10	1.23	5610	4	0.02	10	710	2	0.25	<2	2	130	<0.01
C106294		<1	0.20	10	1.12	6040	2	0.02	13	760	<2	0.17	<2	2	118	<0.01
C106295		<1	0.20	10	1.28	6380	1	0.03	13	650	2	0.14	<2	2	137	<0.01
C106296		<1	0.20	10	1.24	5760	1	0.03	10	720	<2	0.13	<2	2	119	<0.01
C106297		<1	0.21	10	1.37	7760	16	0.02	22	1400	5	1.17	<2	3	73	0.01
C106298		<1	0.23	10	1.49	4690	5	0.03	17	820	5	0.52	<2	2	102	<0.01
C106299		<1	0.20	<10	1.50	3630	29	0.03	58	1100	5	4.90	<2	3	88	0.01
C106300		1	0.31	10	1.32	1880	28	0.04	43	1370	6	3.39	<2	3	36	0.02
C106301		1	0.04	70	1.48	3990	54	0.02	61	2210	12	6.27	<2	6	64	0.01
C106302		2	0.08	10	1.30	4170	30	0.02	53	2590	8	5.32	<2	5	81	0.01
C106303		1	0.19	40	0.72	1360	13	0.03	41	1390	14	0.76	<2	3	223	0.01
C106304		<1	0.31	30	0.82	899	8	0.04	25	950	8	0.23	<2	4	172	0.03
C106305		1	0.08	30	0.76	2870	23	0.03	40	1520	10	1.54	<2	4	319	0.01
C106306		<1	0.01	<10	11.25	113	<1	0.01	<1	390	3	<0.01	<2	<1	128	<0.01
C106307		<1	0.29	40	0.90	4710	11	0.02	23	1410	2	0.72	2	3	219	0.05
C106308		<1	0.28	20	0.94	3640	8	0.02	21	940	12	0.58	<2	2	56	0.07
C106309		<1	0.13	20	1.24	2270	23	0.05	33	1300	6	0.38	2	6	49	0.08
C106310		<1	0.02	30	0.65	1110	9	0.01	18	2230	2	0.14	3	1	88	0.01
C106311		<1	0.04	20	1.45	3480	10	0.05	23	1280	3	0.14	<2	9	101	0.06
C106312		<1	0.01	20	1.12	2370	1	0.05	8	990	3	0.06	<2	5	174	0.04
C106313		<1	0.02	50	1.33	3780	1	0.05	13	1030	3	0.06	<2	5	211	0.01
C106314		4	0.01	60	0.77	3040	21	0.01	36	1720	3	2.66	2	2	331	0.01
C106315		<1	0.01	10	2.04	7340	26	0.02	32	1600	10	3.38	<2	3	261	0.01
C106316		<1	0.01	40	1.84	5060	28	0.03	29	1180	5	1.94	<2	7	314	<0.01
C106317		1	0.02	410	2.26	4310	36	0.02	59	1800	10	2.46	2	6	103	<0.01
C106318		1	0.21	10	0.79	1600	7	0.02	19	760	3	0.29	<2	3	36	0.01
C106319		<1	0.23	10	0.85	1700	4	0.02	15	790	2	0.27	<2	3	33	<0.01
C106320		<1	0.01	<10	11.50	103	<1	0.01	<1	440	2	<0.01	2	<1	123	<0.01

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CERTIFICATE OF ANALYSIS VA06116200

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Cu-AA46 Cu % 0.01	ME-XRF05 U ppm 4
C106281		<10	20	52	<10	13		
C106282		<10	20	75	<10	4		
C106283		<10	20	39	<10	9		
C106284		<10	10	39	<10	5		
C106285		<10	10	43	<10	4		
C106286		<10	10	55	<10	4		
C106287		<10	10	42	<10	5		
C106288		<10	<10	59	<10	9		
C106289		<10	10	62	<10	22		
C106290		<10	10	44	<10	28		
C106291		<10	10	47	<10	25		
C106292		<10	<10	7	<10	4		
C106293		<10	<10	7	<10	3		
C106294		<10	<10	6	<10	2		
C106295		<10	<10	5	<10	2		
C106296		<10	<10	5	<10	3		
C106297		<10	100	8	<10	3		97
C106298		<10	40	10	<10	4		
C106299		<10	20	28	<10	6		
C106300		<10	60	38	<10	10		
C106301		<10	30	57	<10	5		
C106302		<10	40	50	<10	4	1.04	
C106303		<10	10	66	<10	47		
C106304		<10	<10	49	<10	22		
C106305		<10	10	51	10	13		
C106306		<10	<10	1	<10	6		
C106307		<10	<10	25	<10	4		
C106308		<10	<10	17	<10	12		
C106309		<10	10	37	<10	10		
C106310		<10	<10	47	10	4		
C106311		<10	<10	77	<10	4		
C106312		<10	<10	29	<10	3		
C106313		<10	20	15	<10	6		
C106314		<10	<10	19	<10	4		
C106315		<10	10	23	<10	11		
C106316		<10	20	19	<10	5		
C106317		<10	<10	52	<10	16		
C106318		<10	<10	17	<10	4		
C106319		<10	<10	14	<10	3		
C106320		<10	<10	1	<10	6		

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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
C106321		4.86	<0.2	0.71	20	<10	60	<0.5	2	2.18	<0.5	194	15	134	10.50	<10
C106322		2.20	0.3	0.54	8	<10	70	<0.5	<2	1.60	<0.5	117	14	29	8.52	<10
C106323		1.66	0.2	0.55	31	<10	50	<0.5	4	6.56	<0.5	126	13	81	13.30	<10
C106324		5.76	<0.2	0.74	15	<10	60	<0.5	2	3.47	<0.5	149	12	374	7.94	<10
C106325		6.44	<0.2	0.77	32	<10	40	<0.5	5	4.13	<0.5	218	17	59	15.9	<10
C106326		6.52	0.2	0.44	43	<10	350	<0.5	4	2.79	<0.5	176	4	132	9.48	<10
C106327		5.52	0.2	0.32	60	<10	270	<0.5	7	4.39	<0.5	117	1	87	9.40	<10
C106328		6.44	<0.2	0.37	60	<10	200	<0.5	8	3.14	<0.5	80	2	173	6.56	<10

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Account: TWESEV

CERTIFICATE OF ANALYSIS VA06116200

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
C106321		<1	0.24	10	0.89	1660	2	0.02	30	770	3	1.20	<2	3	38	<0.01
C106322		<1	0.21	10	0.62	955	17	0.01	20	670	2	0.69	<2	2	64	<0.01
C106323		<1	0.15	20	2.04	4080	23	0.03	37	5590	4	1.32	<2	5	121	<0.01
C106324		<1	0.23	10	1.40	2500	4	0.02	26	1000	4	1.21	<2	3	67	<0.01
C106325		1	0.21	30	1.32	2440	22	0.02	48	5490	3	1.91	<2	3	64	<0.01
C106326		1	0.20	10	1.53	5780	15	0.02	30	1320	4	1.05	<2	4	26	<0.01
C106327		<1	0.17	10	1.94	6820	6	0.02	20	820	3	0.69	<2	4	29	<0.01
C106328		<1	0.21	10	1.47	5190	4	0.01	18	770	3	0.65	<2	3	16	<0.01

ALS Chemex

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Project: IGOR

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CERTIFICATE OF ANALYSIS VA06116200

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46	ME-XRF05
	Analyte	Tl	U	V	W	Zn	Cu	U
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	10	1	10	2	0.01	4
C106321		<10	<10	23	<10	4		
C106322		<10	<10	19	<10	2		
C106323		<10	<10	56	<10	3		
C106324		<10	<10	17	<10	3		
C106325		<10	<10	58	<10	3		
C106326		<10	<10	14	<10	2		
C106327		<10	<10	8	<10	3		
C106328		<10	<10	4	<10	<2		