2008 Annual Report Thundercloud Property, Ontario
Results of Geology, Trenching, Diamond Drilling and Geophysics Program

N.T.S. 052F/07

By: Andrew Shannon
January 13, 2009

Teck

SUMMARY

The Thundercloud Property hosts several significant gold occurrences in the Boyer Lake area. The property is favorably situated along the Stormy Lake Sedimentary Suite which is an extension of the Manitou belt, Ontario. In December 2006, Teck Cominco Limited entered into an option agreement with Glatz/Riives et al to earn a 100% interest in the property subject to various earn in commitments.

The 2008 exploration program expanded upon mapping, surface sampling and drilling undertaken during the 2007 season. Geological work completed in 2008 included an I.P. survey, ground magnetic survey, detailed geological mapping (at 1:5,000 to 1:1000 scale) and outcrop sampling. Following integration of the results from this work, targets were generated and tested by limited excavator trenching and diamond drilling. The drill program comprised 10 holes, totaling 2530 meters, concentrated in the central portion of the property. Results from 2007 and 2008 are encouraging, and are interpreted to indicate that there is a large scale hydrothermal gold system present at the Thundercloud Property. Key geological and assay results of interest include:

- Geological progress points:
    - The sedimentary rocks were mapped and better-distinguished leading to the recognition of a range of mapable clastic facies based on QFP clast content and grain size of the matrix.
    - The importance and distribution of gabbroic intrusions are recognized and there timing with respect to gold mineralization better constrained
    - Fine-grained chloritic sediments were identified as being important hosts to gold locally.
    - Evidence for QFP bodies having both intrusive and extrusive emplacement mechanisms was recognized as well as close time and space relationship with the sedimentary rock sequence formation these

observation may provide evidence for a temporal association between QFP emplacement sedimentation and gold

- Biotite was confirmed as being an important hydrothermal phase associated with gold, rather than hydrothermal chlorite.
- A lack of correlation of sulphide concentration and gold assays was confirmed.
- Drill holes targeting areas of modeled high chargeability generally intersected better sulfide concentrations.
- The identification of magnetic rock rocks not previously identified has made interpreting the magnetic survey data challenging.
- Within the grid area there are at least two main interpreted gold domains characterized by differing styles of mineralization, metal association and trace elements (Pelham and the West contact) and these are separated by an unexposed fault
- In the Pelham area there is a good correlation between magnetic susceptibility and the best gold grades

As a result, additional work including analysis of lithogeochemical data, integration of geology-physical property, geophysics and structural mapping is recommended to fully evaluate the controls and continuity of gold mineralization on this early-stage project.

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Introduction

The Thundercloud property is located 50 km's SE of Dryden Ontario in the Boyer Lake area (52F/07). The property is approximately 80 km's by road from Dryden, the closest regional center. Historically this area was very remote and was only accessible by float plane until approximately 2004 when logging roads and logging activity opened up the area extensively.

The property was visited in the fall of 2006 and an option agreement was made with Glatz, Riives et al in late 2006. A summary of 2007 exploration activities is summarized in a report by Graeme Evans of Teck Cominco (Kamloops) (Submitted for Assessment 2008). The 2008 exploration program consisted of: 20 km's of line cutting and the completion of a pole-dipole I.P. survey, detailed surface geological mapping (1:1000 to 1:5000), lithogeochemical sampling (217 samples collected), historical trench re–mapping and sampling (71 samples taken). This work was then followed up by 4741 square meters of excavator trenching in 10 trenches (739 samples collected), and NQ diamond drilling comprising 10 holes totaling 2530 meters (1326 samples collected). In 2007 forestry activities vastly improved access and outcrop exposure but also hampered exploration with grid destruction and restricting periods of access. Luckily there was no logging activity in 2008, and no further logging is planned in the area.

Gold mineralization is widespread on the property, with variations in mineralization styles and hosted in several lithologies. In general the property is at a very early stage of exploration and will require a large amount of additional work.

Location, Physiography and Access

The Thundercloud property is located 50 km's SE of Dryden Ontario in the Stormy Lake area (52F/07). The property is centered on 49 degrees 23 minutes North and 92 degrees 27 minutes east just north of Thundercloud Lake (Figure 1). The

property is a distance of approximately 80 km's by highway and logging road from Dryden. Until 2006 this area was remote and only been accessible by float plane when logging roads opened up the area.

The property is surrounded by a number of lakes, some of the larger ones include Kennewabekko, Thundercloud, Seggemak, and Washeibemaga Lakes (Figure 2). Numerous small lakes and even more numerous swamps are present throughout the property. The topography on the property is variable with large areas of relatively flat terrane separated by steep valleys with maximum changes in elevation on the scale of 50m.

The property can be accessed by driving east of Dryden along the Trans Canada Highway (Highway 17) for approximately 38 kms to the Snake Bay logging road. This all weather logging road can be followed south to several hundred meters past the 32 km marker where you turn right (west) onto Thundercloud road. Thundercloud road, which is a rough single lane logging road is travelled for an additional 6 km's to the central portion of the property. The property was extensively logged in 2007 and additional access roads cover much of the property providing good access and new exposure in logging cuts.

Teck Cominco Limited
855 Field Street
Thunder Bay Ontario
CANADA P7B 6B6

Teck

THUNDERCLOUD PROPERTY		
Property Location Map		
2008 Field Program		
DATA BY: A.SHANNON	GIS BY: LJ MILLER	NTS 52F07 & 52F08

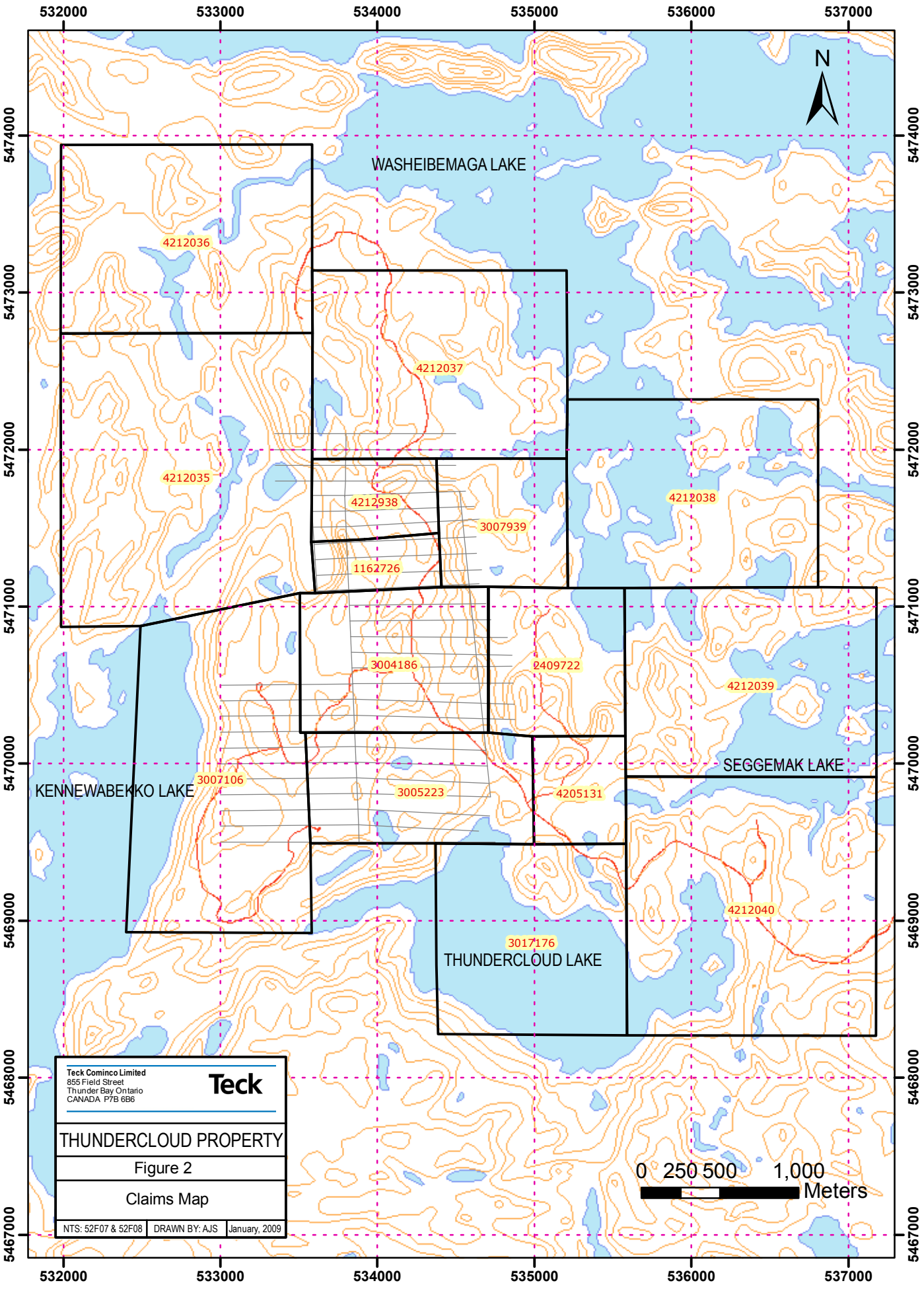
Property and Option Status

The Thundercloud property (Figure 2) consists of 135 units in 15 claim blocks (2160 ha). All claims are presently in good standing to 2009 with banked credits for future use (Table 2). This report has not been filed but eligible expenses will be filed as per the agreement. The property was optioned from Glatz, Riives et al. dated December 31, 2006. Teck Cominco Ltd. is presently earning a 100% interest in the property via a series of cash payments and work commitments subject to royalties and underlying agreements in the option. Teck Cominco Limited is the registered owner of the claims.

Table 1: Thundercloud Property Claim Status

Township/Area	Claim #	Recording Date	Claim Due Date	% option	Work Required	Total applied	Total Reserve	Claim Bank
BOYER LAKE	1162726	1998-Feb-06	2010-Feb-06	70%	$800	$8,000	$7,360	$0
BOYER LAKE	2409722	2006-Mar-15	2010-Mar-15	100%	$2,000	$4,000	$0	$0
BOYER LAKE	3004186	2003-Feb-17	2010-Feb-17	100%	$2,398	$12,002	$2,598	$0
BOYER LAKE	3005223	2003-Nov-17	2010-Nov-17	100%	$3,199	$16,001	$4,215	$0
BOYER LAKE	3007106	2004-Apr-19	2009-Apr-19	100%	$5,165	$18,835	$0	$0
BOYER LAKE	3007939	2006-Jun-05	2010-Jun-05	100%	$1,600	$3,200	$697	$0
BOYER LAKE	3017176	2004-Aug-26	2009-Aug-26	100%	$3,600	$10,800	$0	$0
BOYER LAKE	4205131	2005-Dec-16	2010-Dec-16	100%	$1,600	$4,800	$0	$0
BOYER LAKE	4212035	2007-Mar-28	2009-Mar-28	100%	$6,400	$0	$101	$0
BOYER LAKE	4212036	2007-Mar-28	2009-Mar-28	100%	$4,800	$0	$0	$0
BOYER LAKE	4212037	2007-Mar-28	2009-Mar-28	100%	$4,800	$0	$0	$0
BOYER LAKE	4212938	2006-Aug-22	2010-Aug-22	100%	$800	$1,600	$865	$0
KAWASHEGAMUK LAKE	4212038	2007-Mar-28	2009-Mar-28	100%	$4,800	$0	$0	$0
KAWASHEGAMUK LAKE	4212039	2007-Mar-28	2009-Mar-28	100%	$4,800	$0	$0	$0
KAWASHEGAMUK LAKE	4212040	2007-Mar-28	2009-Mar-28	100%	$6,400	$0	$0	$0

Current as of Feb/08 Prior to most of 2007 and 2008 Work Filing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THUNDERCLOUD LAKE
Teck Cominco Limited
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Thunder Bay Ontario
CANADA P7B 6B6
Teck
THUNDERCLOUD PROPERTY
Figure 2
Claims Map
NTS: 52F07 & 52F08
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Previous Work

Exploration has sporadically been conducted on the property since 1937 when the original “Pelham” showings were discovered. Historically the showings were quite remote and access was difficult. A brief chronological history is as follows:

1937-1939 Pelham area by S.S. Forneri, trenching and drilling of high grade sulphide rich trenches was conducted.

1941-1942 Wright Hargreaves conducted additional trenching with discovery during this time of Armstrong showings.

1963-1972 New Calumet Mines Ltd. Conducted exploration on the property.

1973-1974 D. Wahl conducted mapping and sampling of historic trenched areas.

1980-1981 Sulpetro conducted airborne surveys in the area and ground surveys targeting massive sulphides.

1985 Golde Washe Ltd. Conducted ground geophysics and mapping north of the property.

1985 Teck Exploration staked and examined the old Pelham showings.

1986 Esso optioned the Pelham area and mapped and drilled three holes.

1985-1988 Noranda staked the southern portion of the Pelham area, conducted ground I.P. surveys, mapped and sampled a number of the showings, and drilled a total of 33 holes in the Pelham #3 area.

1997 Black Pearl resources conducted geological mapping and I.P. surveys.

1999 Goldeye Exploration conducted detailed mapping and sampling.

2003-2006 Glatz and Riives conducted prospecting and sampling programs.

Regional Geology

The Thundercloud Property is located in the Manitou-Stormy Lakes Greenstone belt that lies within the western Wabigoon Subprovince, a granite-greenstone terrain of the Superior Province (Figure 3). This greenstone belt is believed to be an arcuate structure and is 20 km wide and 80 km long. It extends from Lower Manitou Lake in the southwest to Bending Lake on the east, tapering at either end (Blackburn 1982).

The Manitou-Stormy Lakes Greenstone belt is early Precambrian in age. A number of thick volcanic-sedimentary sequences make up the greenstone supracrustal sequence. It consists of mafic to felsic coherent lavas and associated intrusions, pyroclastic rocks, as well as sedimentary sequences. Hence, the rock sequence is predominantly clastic, but also contains rare chemical sedimentary rocks (Blackburn 1979). The sedimentary rocks are both intercalated and overlying the volcanic rocks. Mafic to felsic rocks of batholithic, stock, and sill-like form intrude these supracrustal sequences at various levels.

Broadly, the greenstone belt consists of three parts: a lower mafic volcanic unit named the Wapageisi group which occupies the south part of the belt. A range from intermediate to felsic volcanic and sedimentary units (Manitou Lake and Stormy Lake groups) comprise the middle of the belt, and a mafic to intermediate volcanic unit (Upper Wabigoon Volcanic and Boyer Lake groups) occupies the northern part of the belt (Blackburn et al. 1991) The mafic and lesser felsic volcanic groups occupy the age range of 2732 Ma (Blackburn et al., 1991) to 2722Ma (Davis 1989) which is unconformably overlain by the Stormy Lake Group interpreted to be deposited from 2703 to 2696Ma (Davis 1989). The lower portion of the stratigraphy contains the massive to pillowed magnesium and iron-tholeiitic, and komatiitic rocks of the

The metamorphic grade in the Manitou-Stormy Lakes Greenstone Belt is mainly greenschist facies, but increases to amphibolite facies along contact with the younger granitoid rocks. For the purposes of this discussion the prefix of “meta” is excluded from descriptions of lithologies as the protolith is commonly evident.

Structurally, the belt is dominated but the terrain-scale Manitou Straits Fault which strikes northeast. This fault is of considerable magnitude and extends through

the Manitou straits and northward to Kabagukski Lake. It is marked by a zone of highly fissile phyllitic and schistose rocks and is no more than 30 m wide (Blackburn 1982). Another notable fault is the Mosher Bay-Washeibemaga Lake Fault located in the center of the belt, which thrusts the Boyer Lake group over the Manitou and Stormy Lake groups. Numerous older brittle-ductile fault systems generally follow and offset a number of the E-W strike of units and some cases form large deformation corridors. Latest faulting includes NE trending faults which generally display dextral offset such as the Taylor Lake fault. Two major folds have been identified, the Manitou Anticline which is mapped north of the Manitou Straits fault and the Kamanatogama Syncline.

The supracrustal rocks are intruded by a number of granitic bodies including the Atikwa batholith to the northwest, the Irene-Eltrut Lakes batholithic complex in the south-central portion of the survey area and the Revel batholith to the west. As well, two smaller plutons intrude the rocks: the Scattergood Lake pluton (~2700 Ma), and the Taylor Lake pluton (~2695 Ma) which is directly to the west of the Thunderclould Property.

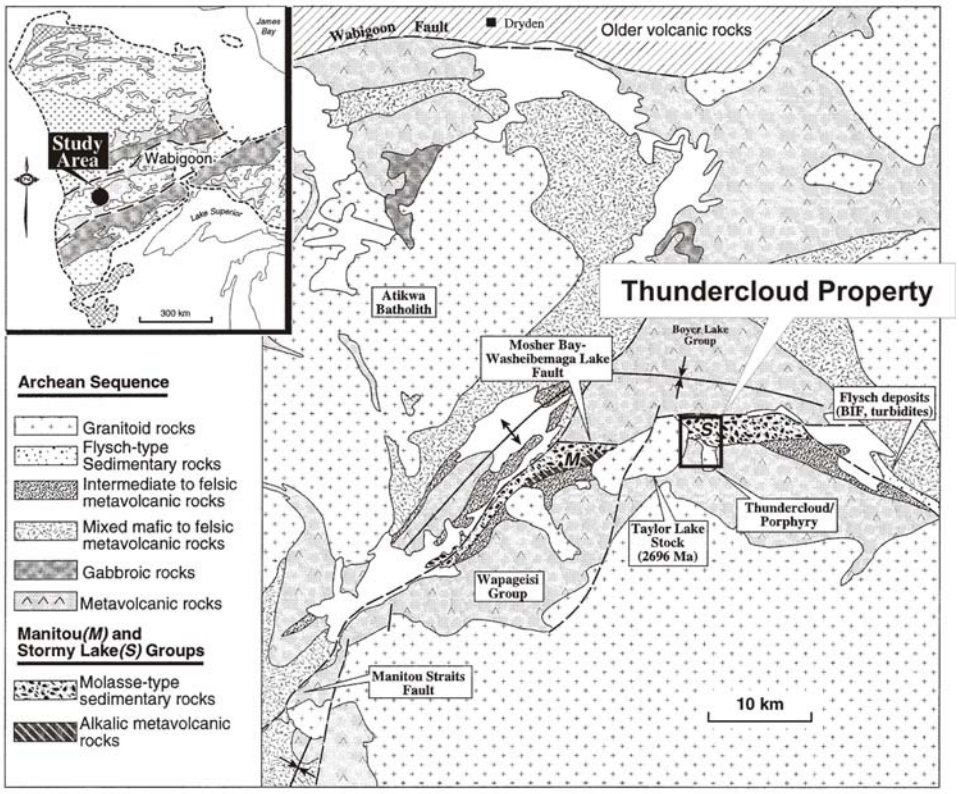
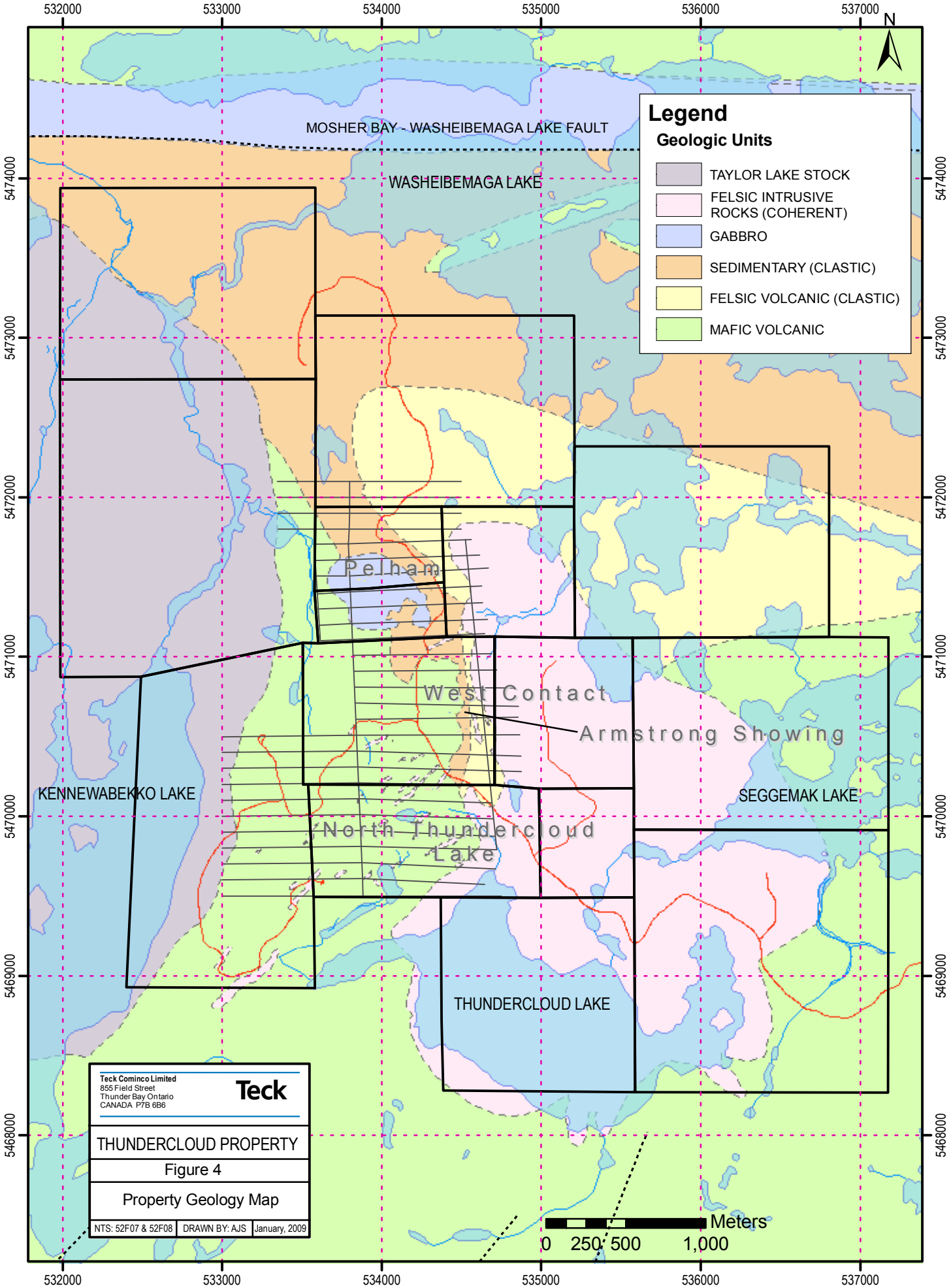


Figure 3: Regional Geology of the Stormy Lake area modified after Mueller et al. (1998)

Property Geology

The Thundercloud property covers 36 km^2 of a largely unexplored area in the southeast corner of the Boyer Lake Area. It has several new gold discoveries in an area to the southeast of the historic Pelham prospect that Teck owned in the late 1980's. It contains a mix of volcanic, sedimentary and plutonic rocks that are part of the Wapageisi group, the Stormy Lake group and Taylor Lake Stock, as outlined by Blackburn (1981).

Regionally, rocks of the host greenstone succession and associated significant faults are broadly east-west striking. However, in the vicinity of the Thundercloud property there is a marked mis-alignment of supracrustal sequences, increased number and range in orientations of lineaments, and the area is a focus for the emplacement of large plutonic bodies of various ages (Figure 4). Hence, locally, a complex pattern of lineaments and physical property differences can be observed from regional magnetic and gravity data. Lithologically, a north-south corridor in the central portion of the Thundercloud property is marked by coherent tholeiitic basaltic rocks which are overlain by a suite of clastic rocks, including conglomerates, breccias and sandstones with a wide range in matrix and clast compositions. These rocks form a structurally complex central corridor between the intermediate-composition Taylor Lake stock (2695±4 Ma: Davis et al. 1982) to the west and the felsic Thundercloud quartz-feldspar porphyry ("QFP": Figure 4) to the east. Numerous QFP dykes are mapped in the southwest portion of the property and are consistently oriented 020^o. Host rocks to mineralization include the tholeiitic basaltic rocks, and these are interpreted to be part of the Wapageisi Group. However, the majority of mineralization is hosted in the clastic succession which is interpreted to be part of the Stormy Lake Group (Blackburn 1981, 1982). Whilst locally this clastic-dominated sequence has felsic coherent facies, is it generally interpreted to represent a dynamic high-level (volcanic) depositional environment. QFP clasts are consistent in mineralogy and texture with Thundercloud QFP porphyry (stock) to the east and 020-striking QFP (dykes). Relationships of these QFP intrusions provide spatial and temporal evidence for a syn- to post-QFP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Legend
Geologic Units
TAYLOR LAKE STOCK
FELSIC INTRUSIVE ROCKS (COHERENT)
GABBRO
SEDIMENTARY (CLASTIC)
FELSIC VOLCANIC (CLASTIC)
MAFIC VOLCANIC
MOSHER BAY - WASHEIBEMAGA LAKE FAULT
WASHEIBEMAGA LAKE
Pelham
West Contact
Armstrong Showing
KENNEWABEKKO LAKE
SEGGEMAK LAKE
North Thundercloud Lake
THUNDERCLOUD LAKE
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Thunder Bay Ontario
CANADA P7B 6B6
Teck
THUNDERCLOUD PROPERTY
Figure 4
Property Geology Map
NTS: 52F07 & 52F08
DRAWN BY: AJS
January, 2009
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emplacement timing for the development of the clastic rock succession. Hence, the sequence of rocks that make up the Stormy Lake Group have been interpreted as being analogous to other shallow marine to lacustrine rocks of the Archean such as the Timiskaming Group of the Abitibi (Mueller and Corcoran, 1998). This may be significant, as the clastic package appears to be spatially related to mineralization and has a larger distribution on surface than previously identified.

Geology Results of 2008 Property Mapping

In 2008, geological mapping was conducted at a scale of 1:2500 on the entire geophysical grid, and at 1:5000 on selected areas outside the grid. Within the grid, areas of interest were identified and were mapped in more detail at 1:1000. These include the West Contact and the Pelham areas (Figure 5).

Wapageisi Group (older basaltic suite)

In general, these rocks are present in the southern and western portions of the property consist of aphanitic to finely crystalline pillowed and massive (lobes?) basalt with rare intercalated felsic facies. The vast majority of this suite lacks any evidence of ductile deformation. A series of fracture sets have been observed including 020^{o}, 320^{o} and 0^{o}.

The background alteration of these rocks includes the regional greenschist alteration event as well as local areas of seafloor spillitization that deposit up to 10% pyrite (+/- epidote), often replacing pillow selvages.

Sedimentary rocks (Stormy Lake Group?)

This younger suite of rocks is made up of a mix of volcanic related sediments; much of which are likely related to the Thundercloud QFP but mafic material is sourced from the underlying Wapageisi Volcanics. This group of rocks is interpreted to unconformably overlie the Wapageisi Group, but the contact relationships are complicated by faulting. The sedimentary rocks are mapped as a mixture of polymictic conglomerates, sandstones, siltstones, mudstones, felsic coherent and clastic facies (volcaniclastic flows) and monomictic QFP breccias. These units are rarely stratigraphically continuous, and significant vertical and horizontal facies changes are observed over 1 to 10m. These sedimentary rocks have been intruded by the coherent

Thundercloud QFP intrusion (dome?) and associated dykes. The Stormy Basin formed between 2703Ma and 2696 Ma based on the age interlayer felsic tuff and cross cutting intrusion of the Taylor Lake Stock 2695±4 Ma (Davis et al. 1982). A description of some of the facies within the Stormy Lake Group observed on the Thundercloud property is presented below.

Polymictic Conglomerate facies

This facies is mapped consistently at the contact of the underlying basalt sequences (Wapageisi Group) and has a variety of compositions and textures. Two broad groups of conglomerates are observed and are defined by the presence or lack of QFP clasts (Figure 5). The QFP clast bearing polymictic conglomerate is best observed along the West Contact of the Thundercloud QFP and has a strong association with Au mineralization in that area. These conglomerates are matrix supported with the matrix made up of angular quartz and mafic material (chloritized). Polymictic conglomerate is also identified north of the Armstrong area, where the sedimentary sequence begins to thicken, here it lacks QFP clasts. In this location it is most often clast supported, has a coarser matrix and QFP clasts are less abundant. Along the West Contact, as well as further to the north, this facies is overlain by the monomictic volcanic conglomerates associated with the Thundercloud QFP. The polymictic conglomerates hosts Au mineralization within the property, most notably the Armstrong area (Figure 6).

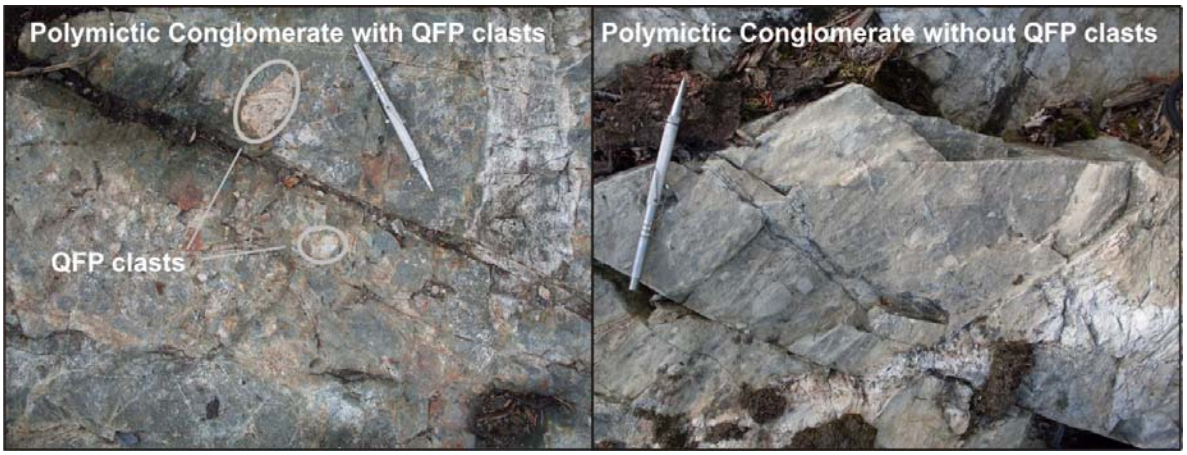

Figure 5: Field photographs of the polymictic conglomerate

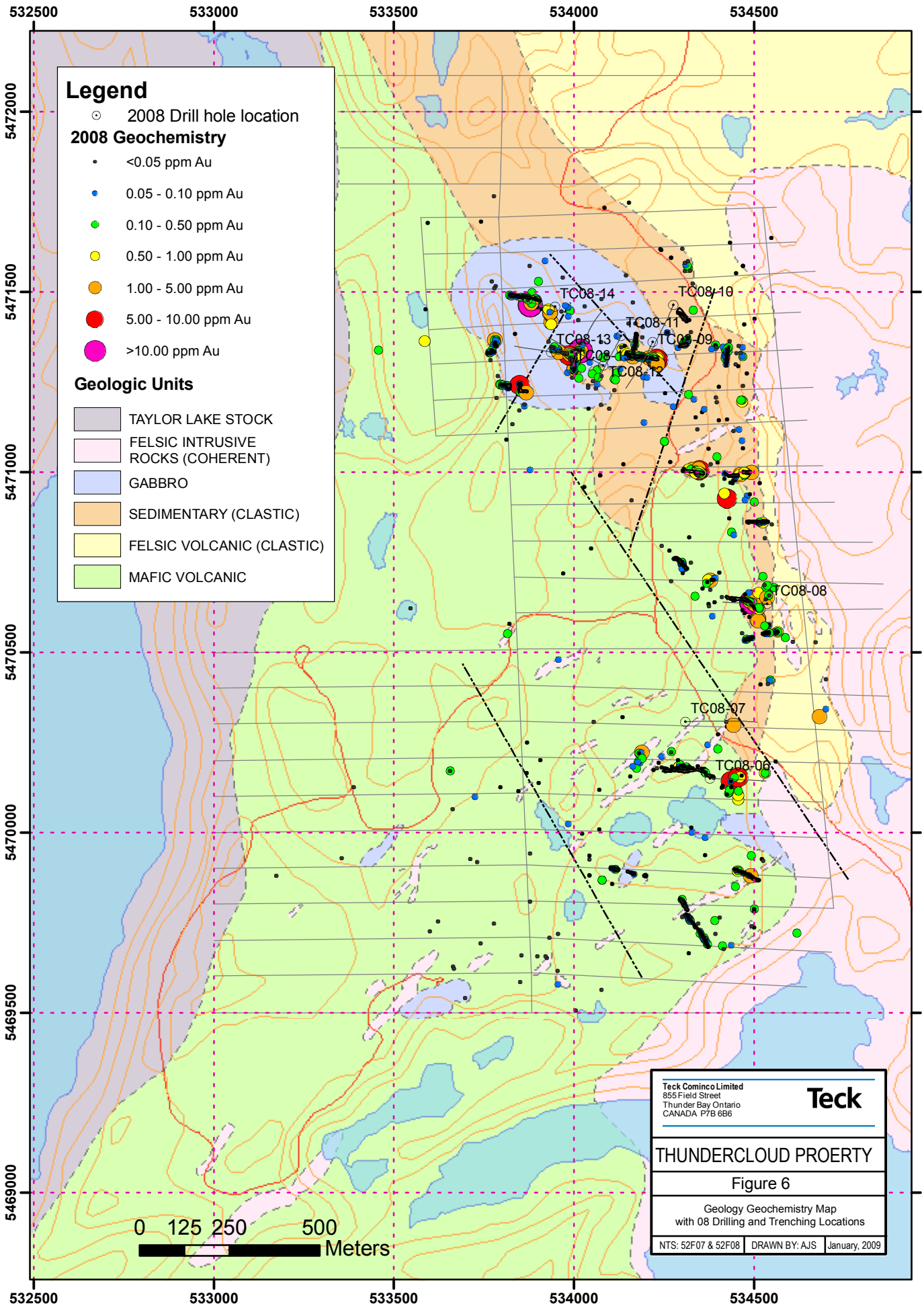
Legend
2008 Drill hole location
2008 Geochemistry
<0.05 ppm Au
0.05 - 0.10 ppm Au
0.10 - 0.50 ppm Au
0.50 - 1.00 ppm Au
1.00 - 5.00 ppm Au
5.00 - 10.00 ppm Au
>10.00 ppm Au
Geologic Units
TAYLOR LAKE STOCK
FELSIC INTRUSIVE ROCKS (COHERENT)
GABBRO
SEDIMENTARY (CLASTIC)
FELSIC VOLCANIC (CLASTIC)
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Figure 6
Geology Geochemistry Map
with 08 Drilling and Trenching Locations
NTS: 52F07 & 52F08
DRAWN BY: AJS
January, 2009

Sand/ Siltstone facies (felsic material dominated)

This facies is present throughout the sedimentary sequences at Thundercloud. It is composed of fine sands and silts where grains are well rounded with quartz and plagioclase sometimes large enough to be identified. This facies it typically massive and has homogenous beds with bedding rarely observed. Bedding becomes better defined to the north. It is commonly observed at Pelham and further north but is rarely seen along the West Contact. Polymicitic conglomerate facies often grade into these sandstones and siltstones.

Chlorite Siltstone/ Mudstone facies (mafic material dominated)

This facies has often been misidentified as mafic volcanic rocks, but are now interpreted to be part of the Stormy Group. It is made up of very fine grained mafic material that has usually been highly silica, chlorite and biotite altered. Due to alteration, primary textures are rare and bedding has not been observed in this unit. This unit is only found close to the unconformity with the mafic volcanic and is believed to be composed of material from the older basaltic suite, the Wapageisi Group. This facies has mostly been observed in drill core and trenches.

Thundercloud Porphyry (QFP) and associated QFP bodies

The Thundercloud QFP is generally a coherent body characterized by coarse euhedral crystals of quartz and feldspar in a finely crystalline quartz and feldspar-dominated groundmass with minor biotite and rutile. Though contacts rarely outcrop, it is interpreted to be a large intrusion and some contacts may have later been faulted. This stock is exposed in the central and eastern portion of the property.

The south central portion of the property has numerous thin (1-10m wide) and elongate QFP bodies characterized by the same mineralogy and texture and trending ~20^{o}. In drillcore, an example of a complex contact between QFP and clastic rocks is present, and may be interpreted as a peperitic contact. Given the challenges of discerning whether the QFP occurrences away from the main body are intrusive (dykes) or extrusive (flows, or shallow-level intrusions into unconsolidated clastic rocks), it is possible that there are several stages of QFP emplacement and form of emplacement, and are presumed to be related to the larger QFP stock.

Where the QFPs have been mapped as dykes, these dykes are interpreted as intruding along parallel structures or have been affected by faults. The QFP bodies are locally are cut by hydrothermal alteration and Au mineralization. However, the relationship between mineralization and the QFP bodies is complex as some display alteration while others clearly postdate (crosscut) mineralization. Hence, the Thundercloud porphyry is interpreted have a close spatial and temporal relationship to gold mineralization.

Pelham Gabbro (intrusion)

This intrusion is restricted to the Pelham area and this is the first time that it has been identified and its importance has most likely been overlooked. This intrusive complex is believed to be approximately 600m by 500m. It ranges from course grained gabbro with pyroxenes up to 1cm to fine grained mafic rock. This variability of textures can party be attributed to zoning but cross cutting relationships suggest pulses of magma with gabbro cutting gabbro. This unit is also locally highly magnetic and up to 15% magnetite is observed and up to 2% primary pyrrhotite is also found locally. This unit is mapped as crosscutting and contains xenoliths of the Washeibemaga Lake sediments. Thus, these are not mafic intrusives related to the older Wapageisi volcanics. They intrusive affinity, but may be mineralized in areas and hence are interpreted to pre-date the timing of gold.

Taylor Lake Stock (intrusion)

Part of this large 11 by 6km intrusion is present on the west side of the property. The intrusion is only observed as a number of outcrops of coherent hornblende monzonite-syenite or xenolith rich monzonite. The xenoliths are large and angular, and are thought to be from the surrounding country rock. This zone is interpreted to denote the edge of the intrusion. The Taylor Lake Stock is dated at 2695±4 Ma (Davis et al., 1982) and is the youngest dated rock in the area.

Structural Geology

The structural geology of the Thundercloud property is subtle and complex. Outside fairly localized areas of higher strain and alteration, there is little evidence of

ductile deformation such as shearing or foliation development. Based on the results of mapping, the most evident large scale feature is an antiform to the east of the Pelham area where the sedimentary rocks bend from a N-S strike to a NW-SE strike. This fold is either the result of the paleo-topography (i.e. the basin deepening to the southeast) or it may be the result of the intrusion of the Pelham gabbro or Taylor Lake Stock. The structural features that are dominantly seen are of a brittle nature and mostly include jointing. These joints sets vary throughout the property but there are two main sets oriented at 020° and 320°. Both are dipping steeply and are occasionally overturned. These fractures can vary 5 to 10° but appear to be related to two main features. The 020° trend seems to be a regional (property scale) strain orientation, and controls the intrusion of QFP feeder dykes on the south part of the property. The 310° to 340° trend is the most common orientation of bedding found on the property. No large scale zones of strain (shear zones) have been identified on surface or in trenching but a number of faults have been identified from both I.P. and mag. The most notable interpreted fault occurs between the Pelham and West Contact areas. The exact location and orientation of this fault is not known as the area is covered with overburden but the estimated orientation coincides with the 020° fracture set and QFP dykes. Other faults identified from geophysics are outlined in the attached maps. These faults may play an important role as fluid conduits and more work needs to be done to understand their role.

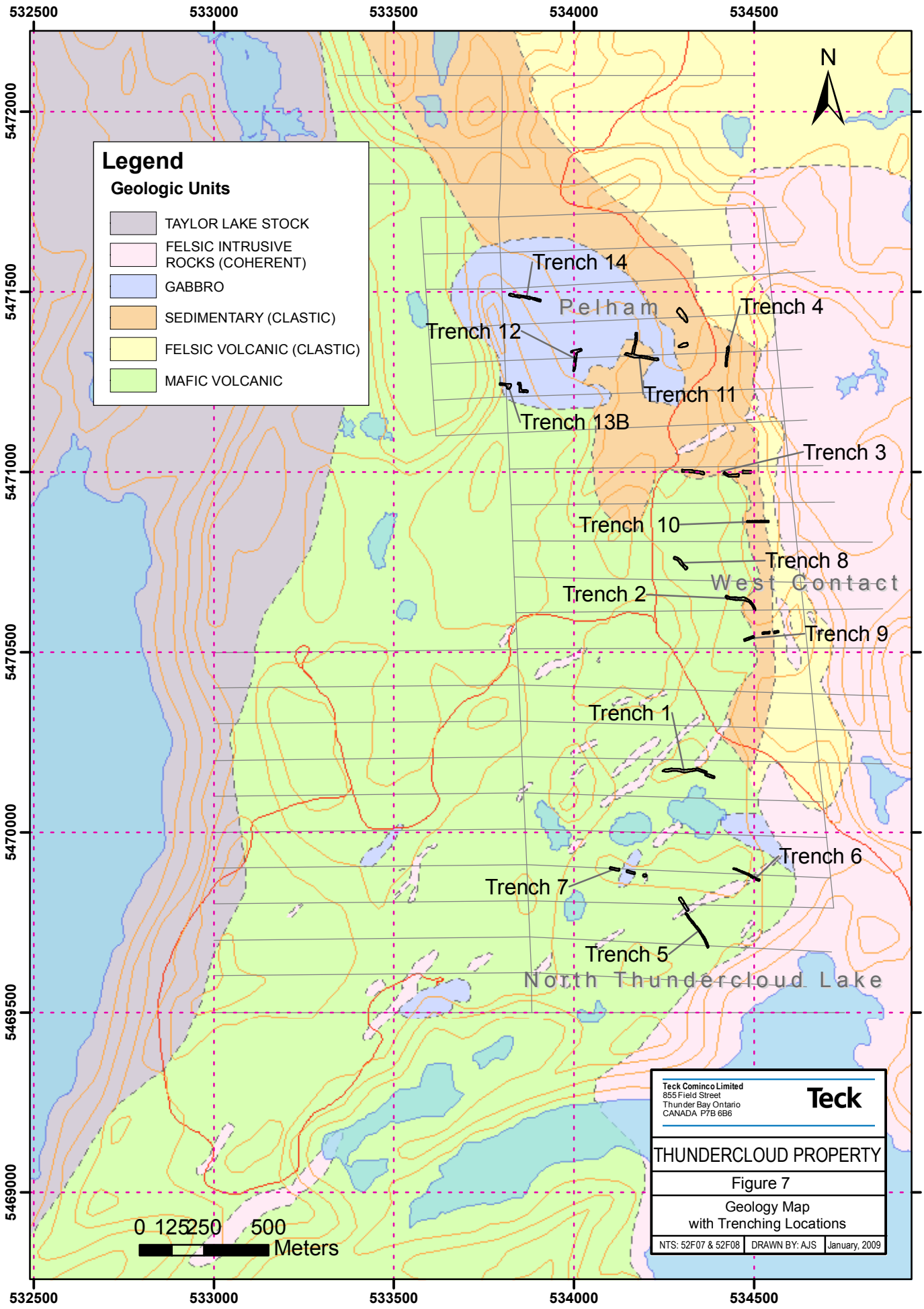
Alteration and Mineralization

As mentioned above, the rocks at Thundercloud have been exposed to greenschist facies metamorphism which increases to amphibolite facies along contacts with younger granitoid rocks. The greenschist metamorphism produces the alteration assemblage chlorite + actinolite + albite +/- epidote +/-quartz. Some of these minerals are part of the hydrothermal alteration assemblage at Thundercloud so care must be taken when identifying the regional metamorphic minerals (referred herein as metamorphism or background alteration) vs the hydrothermal minerals; some of which are related to gold mineralization (referred herein as alteration).

The alteration on the property varies from weakly altered rocks to highly strained/sheared rocks with intense alteration. Gold mineralization in general has a good correlation to biotite and lesser amounts to chlorite and silica alteration. Gold mineralization is present in a variety of styles including: veinlets, clots, and disseminated sulphides, although more work needs to be done to know which style contains the best grades as they often occur together. Property wide, there does not appear to be a direct correlation between sulphide concentration and gold. The Pelham area appears to have a broad correlation between high pyrite content (>5%) and gold. The rest of the property, including the West Contact, does not have such a correlation with samples of 0.5% sulphides containing up to ~2g/t Au. The sulphide mineralogy across the property varies but pyrite is always the principal sulphide mineral and has a range in color from very pale to dark yellow. Hydrothermal pyrrhotite is also commonly observed as a dominant sulphide mineral in the Pelham gabbro. Occasional trace amounts of chalcopyrite and arsenopyrite have also been observed. Anomalous gold values are present within all the lithologies at Thundercloud, including the Wapageisi volcanics, conglomerates (monomictic and polymictic), chloritic mudstones, QFP intrusive dykes/stock and the late mafic intrusive rocks. The strongest mineralization is found in the clastic rocks, particularly the chloritic mudstones and around the contact between the sediments and the gabbro. Gold mineralization in the West Contact and southern portion of the property has an association with the QFP dykes. Some of the QFP dykes are unmineralized while others appear to be mineralized. This suggests that this mineralization is post felsic volcanic flows and pre late QFP dykes and Evans (2007) suggests that this brackets the gold event temporally and spatially to the Thundercloud porphyry. The Pelham area has a slightly different style of mineralization as it has a very strong lithologic and structural control. A spatial relationship between high magnetic susceptibility, sulphides, the gabbro-sediment contact and gold is found in this area. Thin section work is ongoing to understand the relationship between alteration mineralogy, structural controls and mineralization.

2008 Trenching

From August to September of 2008, a trenching program was conducted that expanded on Teck's 2007 exploration program to expose bedrock in areas with limited or no outcrop exposure (Figure 7). The trench locations were selected based on both geophysical and surface lithogeochemical Au anomalies. Ten areas were trenched by R.B. Rostek Construction LTD. contracting of Dryden on behalf of Teck Cominco Ltd. for a total of 4741 m^2 of trenching. After the initial heavy equipment excavation, the trenches were further cleared of debris with shovels, brushes, water pumps and pressure sprayers. Trenches were then mapped (1:500 or 1:250) and sampled. A total of 739 channel, chip and grab samples were collected from the 10 trenches. Sampling the trenches was conducted with channel samples and lesser chip samples from end to end of each trench. This was intergrated with mapping data such as structural, lithological, alteration and sulphide mineralogy to understand Au mineralization. Although much effort was put fourth into creating continuous sampling across the whole trench, certain small gaps or overlaps exist due to the irregularity of the bedrock shape, water bodies, or other unavoidable obstacles. Thus, the term 'virtually continuous' is used when discussing composite intervals below due to the fact the small overlaps or small gaps exist. These overlaps and gaps were taken into consideration during the calculation of the intervals to minimize their effects.


532500
533000
533500
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5472000
5471500
5471000
5470500
5470000
5469500
5469000
N
Legend
Geologic Units
TAYLOR LAKE STOCK
FELSIC INTRUSIVE ROCKS (COHERENT)
GABBRO
SEDIMENTARY (CLASTIC)
FELSIC VOLCANIC (CLASTIC)
MAFIC VOLCANIC
Trench 14
Pelham
Trench 4
Trench 12
Trench 11
Trench 13B
Trench 3
Trench 10
Trench 8
West Contact
Trench 2
Trench 9
Trench 1
Trench 6
Trench 7
Trench 5
North Thundercloud Lake
0 125250 500
Meters
Teck Cominco Limited
855 Field Street
Thunder Bay Ontario
CANADA P7B 6B6
Teck
THUNDERCLOUD PROPERTY
Figure 7
Geology Map
with Trenching Locations
NTS: 52F07 & 52F08
DRAWN BY: AJS
January, 2009

2008 Trenching Results

Table 2: Selected results of 2008 trenching

Location	Interval (m)	Au Grade (g/t)
Trench 5		NSV
Trench 6	3.27	0.42
Trench 7		NSV
Trench 8	3.55	0.47
Trench 9C	3.55	0.27
Trench 10	2.58	0.11
Trench 11	3.25	2.20
	3.35	0.64
	2.60	0.22
	3.78	2.43
	9.33	0.58
	2.40	0.28
Trench 12	3.65	0.30
	6.15	0.31
	5.10	0.17
Trench 13	2.14	0.12
Trench 14	2.52	0.36

Trench 5

Trench Target and Description

This trench is oriented in a northwest-southeast direction and tests a strong 150m long north-south trending chargeability anomaly that coincides with a weak resistivity and magnetic high anomalies. The southern extent of these anomalies is

unknown as they appear to extend beyond the southern boundary of the geophysics survey. The trench extends beyond the survey extent to test if there is mineralization extending further to the south. Several grab samples in the area, both recent and historical, yielded anomalous Au values ranging from 0.14g/t to 0.23g/t Au. Trench 5 is composed of two separate trenches, 5A and 5B, with a combined length of 154 meters (Figure 8).

Lithology

The trench is composed of three main lithologies: fine grained mafic volcanics, quartz-feldspar porphyry and a medium grained mafic volcanic dyke.

The mafic volcanics are the dominant lithology in trench 5A. The volcanics are generally massive, fine-grained and aphanitic; however, there are some possible pillow selvages at the southern end of the trench. Some slight variability exists throughout the unit as the mafic volcanics in the southeastern part of the trench are plagioclase phyric where as the volcanics in the northwestern part of the trench do not contain phenocrysts.

The quartz-feldspar porphyry (QFP) contains euhedral quartz phenocrysts ranging from 3 to 9mm and euhedral feldspar phenocrysts from 1 to 3mm. The contact between the QFP and the mafic volcanics can be observed within the trench. The QFP appears to fine towards the contact with the mafic volcanics which could be the result of a chill margin.

The third lithology is located toward the northwestern end of trench 5B. This lithology is a fine to medium-grained mafic volcanic dyke composed of hornblende and plagioclase feldspar.

Structure

There are several shear zones within the trenches with common orientations of approximately east-west and east-southeast-west-northwest. The contact between the lithologies also appears to follow this general orientation. There is also one fairly large (~15cm) quartz vein in the mafic volcanics.

Alteration

Overall, the trench typically exhibits varying amounts of silicification, as well as chlorite, biotite, and carbonate alteration. The silicification is mostly pervasive; however, the intensity is variable across the outcrop. The chlorite is typically pervasive and flooded or patchy. The biotite alteration is mostly patchy and in some cases, in small bands. Carbonate is present as veinlets and blebs; however, there are some areas where it becomes pervasive.

In the mafic volcanics, the chlorite and biotite alteration are typically low to moderate in intensity. Silicification in the volcanics is generally flooded and pervasive and is often moderate in intensity. Some areas within the unit, however, contain more strongly silicified zones. Some of these stronger silicified zones appear to be more resistant than the surrounding, less silicified rock. These zones appear to be trending roughly 280°/42°. The shear zones also appear to contain higher amounts of silicification and biotite alteration than the surrounding rock. Some of the pillow selvages in the mafic volcanics are slightly gossanous.

The QFP is moderately silicified; however, the intensity of the silicification is variable across the unit. The quartz and plagioclase phenocrysts are more visible within the less silicified areas of the QFP.

Mineralization

The majority of the trench contains some concentration of sulphide mineralization. The intensity of the sulphide mineralization is variable across the outcrop and is generally in the form of pyrite. Locally, there are also minor amounts of arsenopyrite, pyrrhotite, and possibly chalcopyrite.

The most intense mineralization (up to 30-35% sulphides) is observed within the shear zones or within veins associated with the shear zones. Typically, the zones with most intense mineralization contain only pyrite. The quartz vein at the southeastern end of the main trench was found to contain up to 5% molybdenum as well as lesser amounts of sulphides.

Results

Ninety-two lithogeochemical samples were collected including channel, chip, and grab samples to test the Au mineralization in this trench. Six channel samples taken returned anomalous Au values. These samples yielded between 0.101 and 0.215g/t Au. All six of the samples had varying amounts of silicification, chlorite, biotite, and carbonate alteration and generally appear to coincide with intensity of sulphide mineralization and magnetic highs. Although the samples with anomalous Au values generally contained abundant sulphides and alteration, there were many other areas in the outcrop with sulphide mineralization and similar alteration that didn't return anomalous Au values.

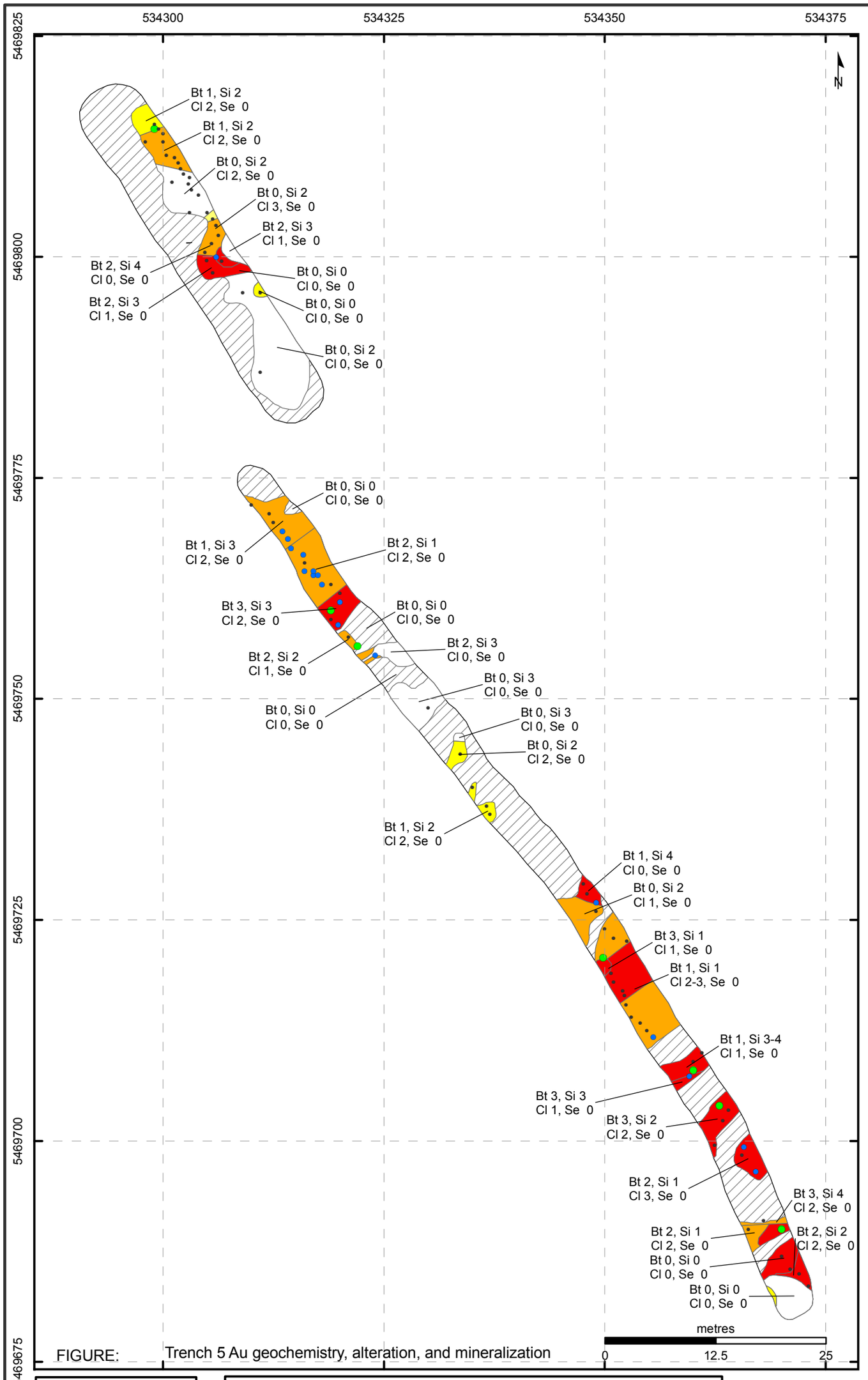


FIGURE: Trench 5 Au geochemistry, alteration, and mineralization

TRENCH 5

THUNDERCLOUD PROPERTY

NAD 83 UTM ZONE 15N

NTS: 52F07 & 52F08	SCALE: 1:500
DATA BY: A Shannon	GIS BY: LJ Miller

Au GEOCHEMISTRY - ppm

- <0.05 ppm Au
- 0.05 - 0.10 ppm Au
- 0.10 - 0.50 ppm Au
- 0.50 - 1.00 ppm Au
- 1.00 - 5.00 ppm Au
- 5.00 - 10.00 ppm Au
- >10.00 ppm Au

MINERALIZATION

- <0.10 % Sulphides
- 0.11 - 2.00 % Sulphides
- 2.01 - 5.00 % Sulphides
- 5.01 - 10.00 % Sulphides
- >10.01 % Sulphides
- NO OUTCROP

ALTERATION

Bt - Biotite Si - Silica

Cl - Chlorite Se - Sericite

INTENSITY

0 = None 3 = Strong

1 = Weak 4 = Intense

2 = Moderate

Teck

December 7, 2008

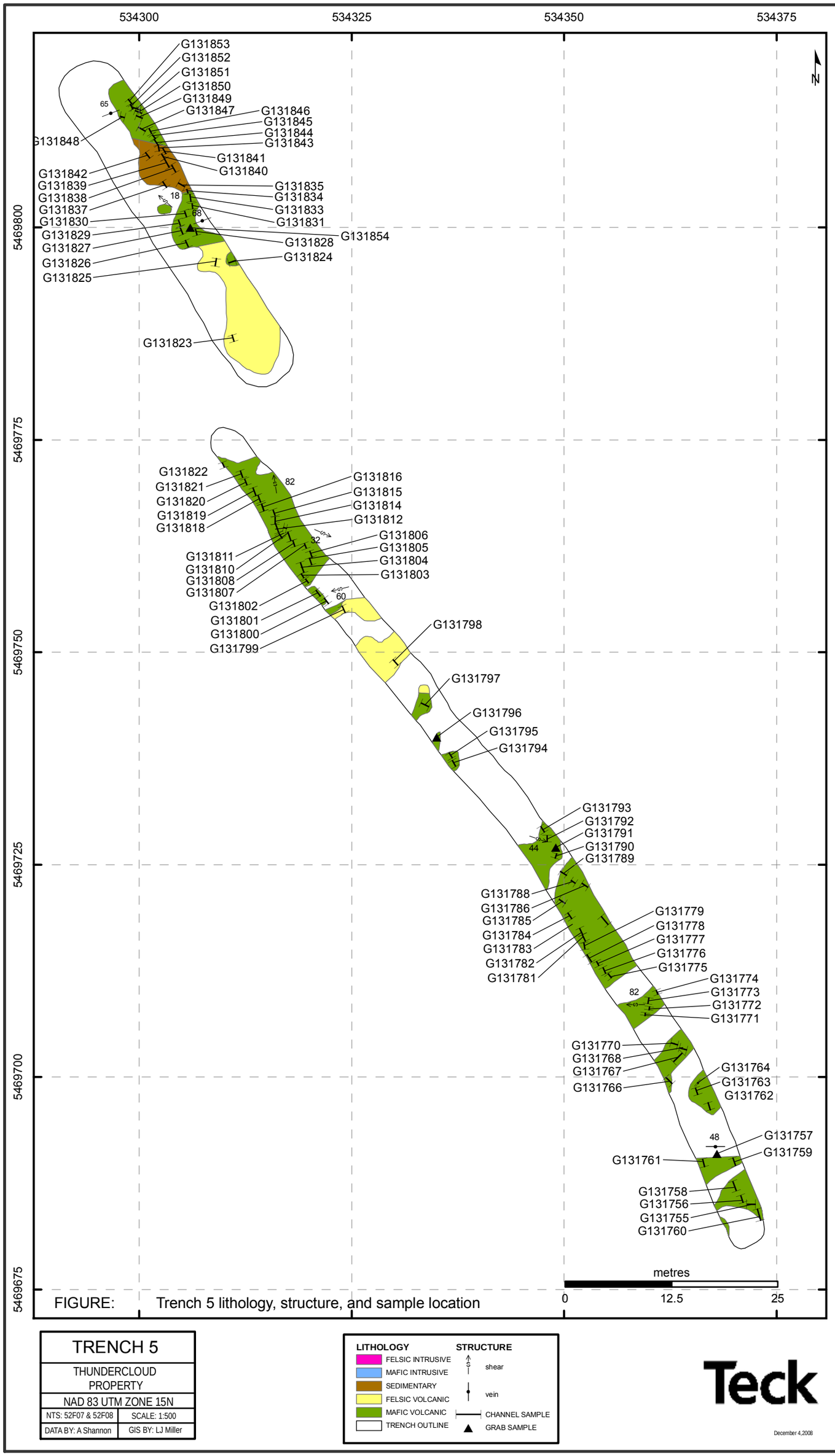


FIGURE: Trench 5 lithology, structure, and sample location

TRENCH 5	
THUNDERCLOUD PROPERTY	
NAD 83 UTM ZONE 15N	
NTS: 52F07 & 52F08	SCALE: 1:500
DATA BY: A Shannon	GIS BY: LJ Miller

LITHOLOGY
- FELSIC INTRUSIVE
- MAFIC INTRUSIVE
- SEDIMENTARY
- FELSIC VOLCANIC
- MAFIC VOLCANIC
- TRENCH OUTLINE

STRUCTURE
- shear
- vein
- CHANNEL SAMPLE
- GRAB SAMPLE

Teck

December 4,2008

Trench 6

Trench Target and Description

The location of the Trench was selected to test a strong, approximately 130m long chargeability anomaly as well as a smaller, approximately 50m resistivity anomaly and a diffuse magnetic anomaly. In addition, five assay samples from the area (historical and recent) yielded anomalous Au values ranging from 0.103 to 5.73g/t. Trench 6 is oriented in a northwest-southeast direction and is approximately 75m long (Figure 9).

Lithology

There are two main lithologies in Trench 5: fine grained mafic volcanics and quartz-feldspar porphyry (QFP).

Mafic volcanics at the southeast end of the trench are plagioclase-phyric with anhedral to subhedral feldspar phenocrysts. At the northwest side of the trench, the mafic volcanics do not contain phenocrysts. Pillows are locally observed in both of the volcanic units and they are generally non-magnetic.

The QFP is located near the southeast end of the trench and again at the far northwest end. It is quartz-dominated with euhedral quartz phenocrysts up to 9 mm in diameter.

Structure

Several shear zones cut through the trench. Two orientations are recurring: northeast-southwest (063° to 070°) and northwest-southeast (318° to 333°). There are also many locations with sets of variably oriented fractures or joints. In some locations, the fractures have similar orientations as some of the shear zones.

Alteration

Overall, the rocks in trench 5 exhibit three main types of alteration: silica, biotite, and chlorite. The silicification is mostly moderate in intensity, flooded and pervasive. In some locations, the silicification appears to be slightly patchy. The biotite alteration is

generally weak and patchy. The chlorite alteration is typically moderate in intensity and pervasive, however in some cases, is patchy. The biotite and chlorite alteration are generally observed within the mafic volcanics, whereas the silicification can be seen throughout both the mafic volcanics and QFP. The shear zones appear to have higher amounts of alteration, particularly biotite alteration, than the surrounding rocks.

Mineralization

On average, the northwestern portion of the trench contains higher amounts of sulphide mineralization than the southeastern portion. The strongest mineralized areas of the trench (~15-35%) are within the northeast-southwest trending shear zones. Most of the sulphide mineralization is in the form of pyrite; however, up to 2% pyrrhotite is observed. The QFP generally contains less mineralization than the mafic volcanics (typically around 1-2% sulphides); however, locally higher concentrations of sulphides are observed.

Results

Fifty-six lithogeochemical samples were collected including channel, chip, and grab samples to test the Au mineralization in this trench. Two channel samples and one grab sample returned anomalous Au values (between 0.186 and 2.29g/t Au). Although all three of the samples contained some sulphide mineralization, there does not appear to be a direct correlation between the intensity of gold mineralization and sulphide content. Of the three samples, the highest Au concentration (2.29g/t) came from a sample with only 5% disseminated pyrite. Some samples on the trench contained up to 30% sulphides but did not return Au values. All of the mineralized samples show some degree of silicification, biotite alteration and chlorite alteration; however, this alteration is present throughout the entire trench. It is difficult to identify trends between mineralization and geophysics as there are only three samples that yielded anomalous Au values. The three samples do, however, appear occur on the edge of magnetic highs.

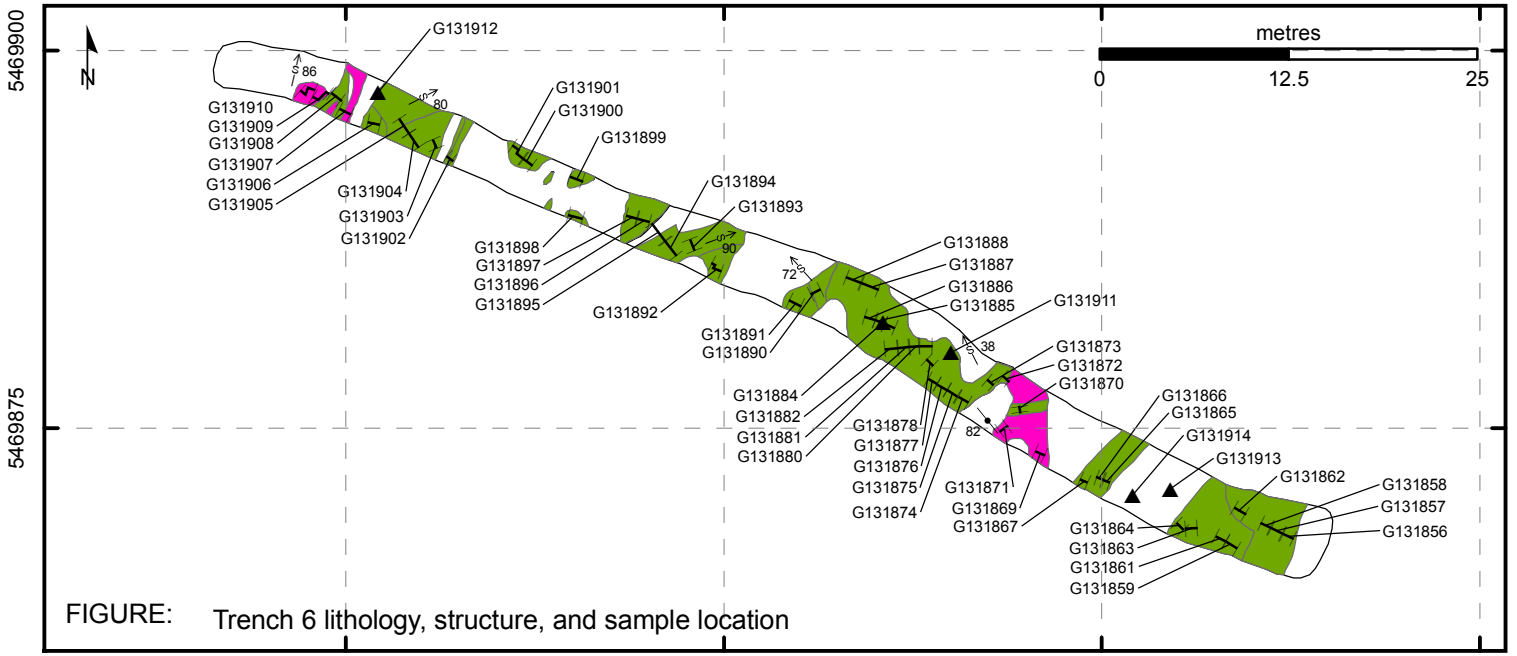


FIGURE: Trench 6 lithology, structure, and sample location

LEGEND FIGURE

LITHOLOGY
- FELSIC INTRUSIVE
- MAFIC INTRUSIVE
- SEDIMENTARY
- FELSIC VOLCANIC
- MAFIC VOLCANIC

STRUCTURE
- shear
- vein
- GRAB SAMPLE
- CHANNEL SAMPLE
- TRENCH OUTLINE

TRENCH 6	
THUNDERCLOUD PROPERTY	
NAD 83 UTM ZONE 15N	
NTS: 52F07 & 52F08	SCALE: 1:500
DATA BY: A Shannon	GIS BY: LJ Miller

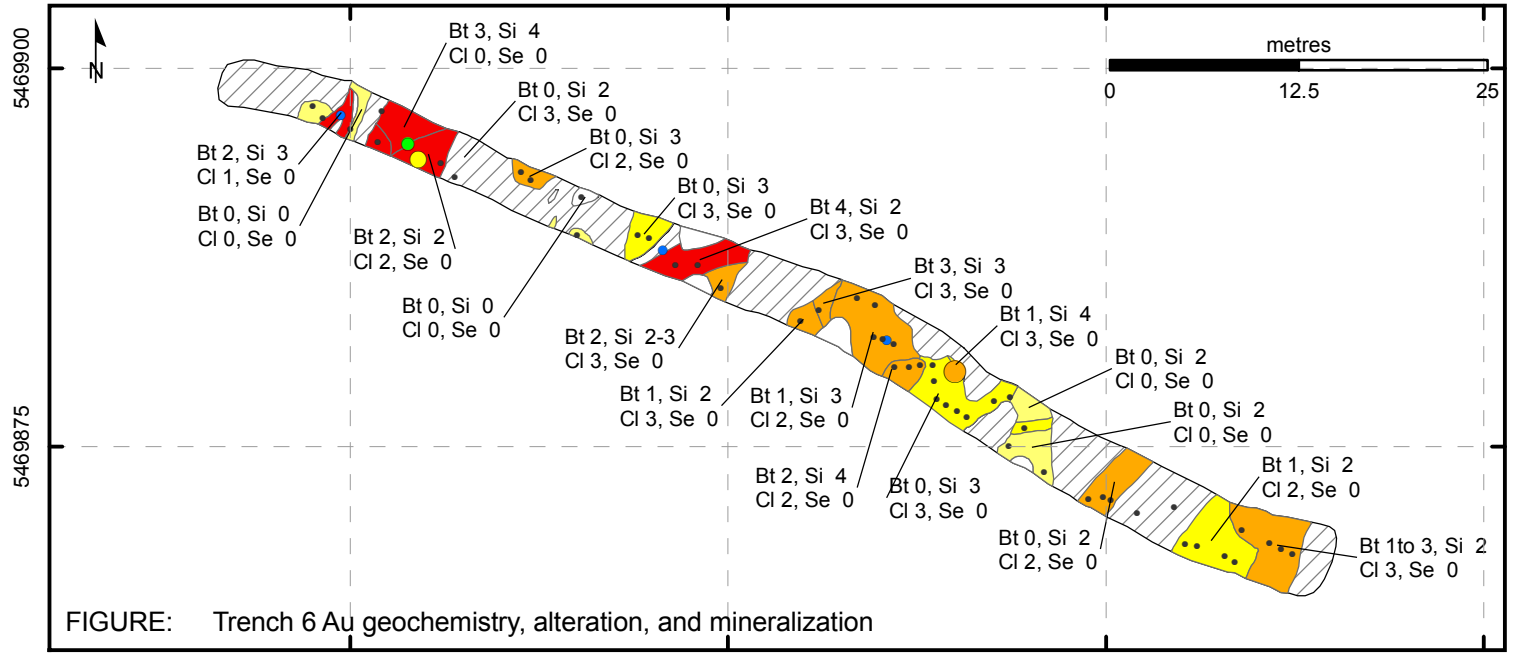


FIGURE: Trench 6 Au geochemistry, alteration, and mineralization

LEGEND FIGURE
Au GEOCHEMISTRY - ppm
- <0.05 ppm Au
- 0.05 - 0.10 ppm Au
- 0.10 - 0.50 ppm Au
- 0.50 - 1.00 ppm Au
- 1.00 - 5.00 ppm Au
- 5.00 - 10.00 ppm Au
- >10.00 ppm Au

MINERALIZATION
- <0.10 % Sulphides
- 0.11 - 2.00 % Sulphides
- 2.01 - 5.00 % Sulphides
- 5.01 - 10.00 % Sulphides
- >10.01 % Sulphides
- NO OUTCROP

ALTERATION
Bt - Biotite
Cl - Chlorite
Si - Silica
Se - Sericite

MODIFER
0 = None
1 = Weak
2 = Moderate
3 = Strong
4 = Intense

Teck

December 4,2008

Trench 7

Trench Target and Description

The location of the trench was selected to test a large (~200m in E-W direction), irregular chargeability anomaly as well as a less intense resistivity anomaly and a diffuse magnetic anomaly. In addition to the geophysical anomalies, three lithogeochemical grab samples collected within 75m of the trench yielded anomalous Au values between 0.369 and 0.600g/t. Trench 7 consists of 3 small, separate trenches (A, B, C) due to a lack of bedrock between them. All three trenches are oriented approximately east-west and have a combined total length of 58 meters (Figure 10).

Lithology

There are three main lithologies within trench 7: mafic volcanics, hornblende-feldspar porphyry, and feldspar porphyry.

The mafic volcanics are located in all three trenches. There appears to be at least two different flows as the volcanics in Trench A and C do not contain any phenocrysts, whereas the volcanics in Trench B are plagioclase-phyric. All of the mafics are massive in texture.

Both the hornblende-feldspar porphyry and the feldspar porphyry dykes which crosscut the mafic volcanics. The dykes have similar orientations with both striking roughly north-south. The hornblende-feldspar porphyry dyke is located in Trench 7B and is medium to coarse grained with subhedral to euhedral hornblende and plagioclase feldspar grains up to 3mm. The feldspar porphyry dyke is located in Trench 7C and consists of euhedral plagioclase phenocrysts up to 3mm and occasional quartz phenocrysts up to 5mm. The groundmass is dominantly composed of plagioclase and quartz.

Structure

There is a major shear zone in the area oriented at 320° and dipping nearly vertically. Many other smaller shears are also present with varying orientations. The

orientations of fractures are also highly variable with the strikes of certain set oriented approximately north-south, northeast-southwest, and northwest-southeast.

Alteration

Mafic volcanics generally exhibit moderate to strong levels of chlorite alteration and low to moderate biotite alteration. Silicification is pervasive, but often varies in intensity, particularly near shear zones.

The hornblende-feldspar porphyry has little alteration however it displays some small carbonate patches and some minor degradation of the hornblende to chlorite. The feldspar porphyry exhibits some weak to moderate pervasive silicification as well as some small carbonate patches.

Mineralization

The hornblende-feldspar porphyry and the feldspar porphyry dykes are not strongly mineralized and only exhibit trace amounts of sulphides.

The mafic volcanics are moderately mineralized with higher sulphide concentrations within the plagioclase-phyric volcanic unit. The dominant sulphide in the trench is pyrite and is found in concentrations up to 25%. The pyrite is generally disseminated, in patches/clots, or as veinlets.

The strongest sulphide mineralization observed is within the large shear zone in trench 7A (20-25% pyrite). Other regions across the trench with fractures in a similar orientation as the large shear also appear to have elevated concentrations of sulphides.

Results

Thirty-six lithogeochemical samples were collected including channel, chip, and grab samples to test the Au mineralization in this trench. Of the 36 samples collected, only one sample (G131925) returned an anomalous Au value. This sample yielded 0.18g/t Au and was a grab sample collected from the large shear zone mentioned previously. The shear zone contains approximately 20-25% pyrite and exhibits strong biotite and chlorite alteration as well as local moderate intensity silicification. The shear also appears to roughly correspond to the boundary of a magnetic high.

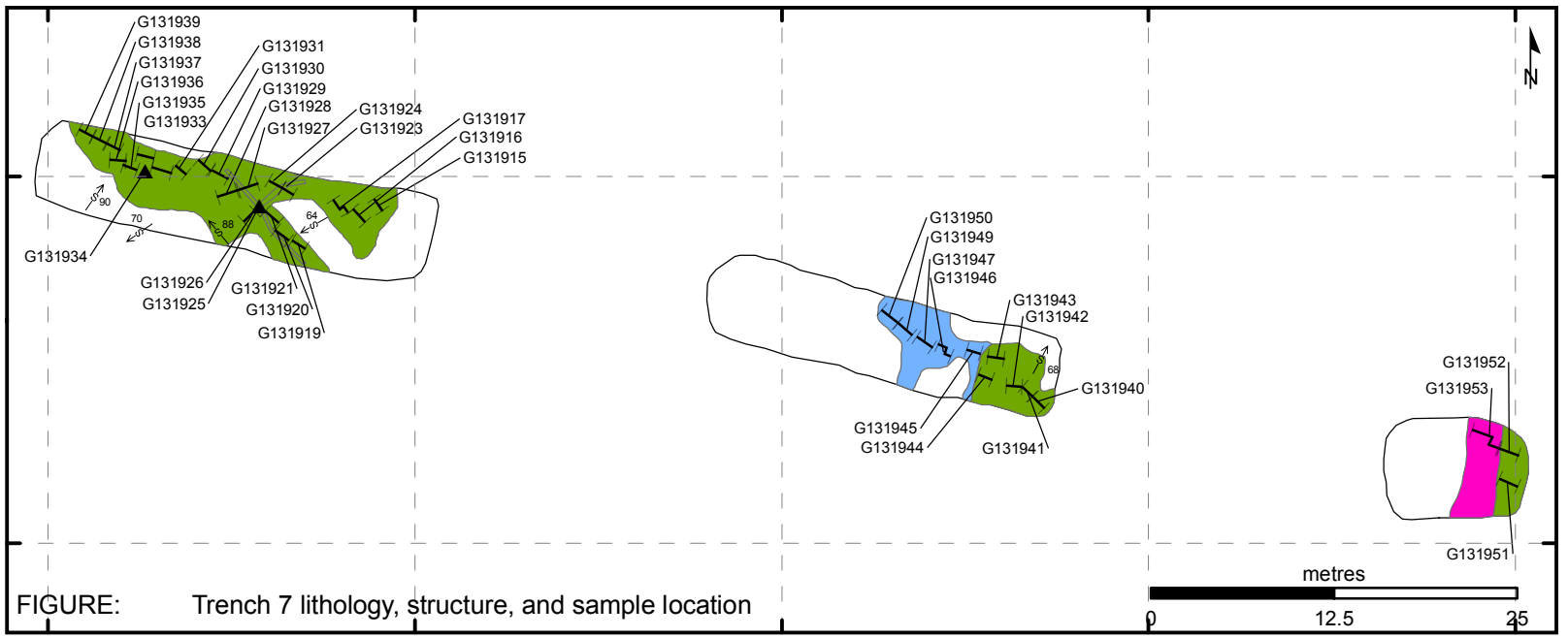


FIGURE: Trench 7 lithology, structure, and sample location

LEGEND FIGURE

LITHOLOGY

- FELSIC INTRUSIVE
- MAFIC INTRUSIVE
- SEDIMENTARY
- FELSIC VOLCANIC
- MAFIC VOLCANIC
- shear
- CHANNEL SAMPLE
- GRAB SAMPLE
- TRENCH OUTLINE

TRENCH 7	
THUNDERCLOUD PROPERTY	
NAD 83 UTM ZONE 15N	
NTS: 52F07 & 52F08	SCALE: 1:500
DATA BY: A Shannon	GIS BY: LJ Miller

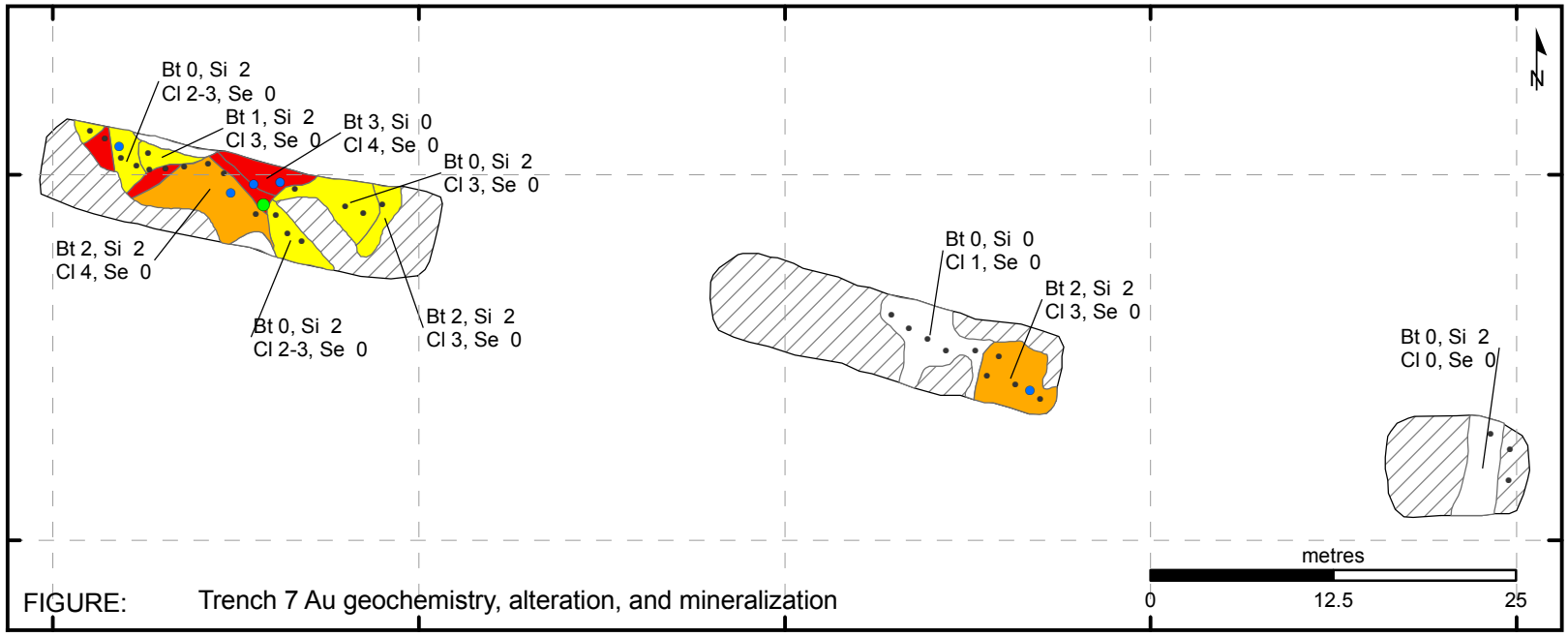


FIGURE: Trench 7 Au geochemistry, alteration, and mineralization

LEGEND FIGURE

Au GEOCHEMISTRY - ppm

- <0.05 ppm Au
- 0.05 - 0.10 ppm Au
- 0.10 - 0.50 ppm Au
- 0.50 - 1.00 ppm Au
- 1.00 - 5.00 ppm Au
- 5.00 - 10.00 ppm Au
- >10.00 ppm Au

MINERALIZATION

- <0.10 % Sulphides
- 0.11 - 2.00 % Sulphides
- 2.01 - 5.00 % Sulphides
- 5.01 - 10.00 % Sulphides
- >10.01 % Sulphides
- NO OUTCROP

ALTERATION

Bt - Biotite
Cl - Chlorite
Si - Silica
Se - Sericite

INTENSITY

0 = None
1 = Weak
2 = Moderate
3 = Strong
4 = Intense

Teck

December 7, 2008

Trench 8

Trench Location and Description

The location of the trench was selected to test a mineralized conglomerate unit identified as part of the 1:1000 West Contact mapping. To the east is the Armstrong showing also hosted in conglomerate. The area is also on the shoulder of a large chargeability and resistivity anomalies. Four lithogeochemical grab samples collected in the area yielded anomalous Au values between 0.107 and 1.83g/t. The trench is approximately 50m long and strikes northwest-southeast (Figure 11).

Lithology

The majority of the trench is composed of conglomerate which is slightly variable across the trench. On the western side, the conglomerate is polymictic with both felsic and mafic clasts. The clasts are typically less than 5cm and are very difficult to identify on a fresh surface. The mafic clasts are also difficult to identify on a fresh surface as they have a similar composition to the matrix. On the weathered surface, the mafic clasts preferentially weather with respect to the matrix to which makes the weather surface appear pitted. The felsic clasts can be identified on both weathered and fresh surfaces. The clasts range from subangular to subrounded, with the mafic clasts being slightly more angular than the felsic clasts. Compositionally, the felsic clasts observed were quartz feldspar porphyry and the mafic clasts were aphanitic mafic volcanic; however, the majority of the clasts observed were of mafic composition. The matrix is composed of a fine grained metasandstone. Moving east (up section?) the conglomerate has a very similar appearance however there are fewer felsic clasts, and it does not appear to be quite as 'pitted' on the weathered surface. Without the identification of felsic clasts this conglomerate could be identified as a fine grained mafic volcanic. Further east the felsic clast bearing conglomerate grades into a felsic clast poor unit which is in contact with a fine grained, massive, mafic dyke which has a relatively sharp, but irregular contact. The dyke was aphanitic on the fresh surface, however, on the weathered surface, interlocking hornblende and plagioclase crystals can be observed.

Structure

On the far western end of the trench, there is a set of parallel joints measured at 156°/76°. Further east, there is a weak foliation in the conglomerate at approximately 005°/42°. This foliation can also be measured roughly halfway through the trench at 018°/42°. At the east end of the trench, the foliation changes slightly and is measured at 337°/45°. Several small shears are observed between meter 20 and 32. The first is a small (3cm) shear at 050°/77°, the second is a 10cm shear at 015°/27°, and the third shear (~10cm) is at 082°/48°. The third shear (082°/48°) appears to bend into the (015°/27°) shear, suggesting that it pre-dates the second shear.

Alteration

The intensity of alteration throughout the trench is variable; however, the entire trench has some degree of silicification, as well as carbonate, biotite, and chlorite alteration. There are also some small gossanous patches that is related to shearing. The silicification is essentially flooded and ranges from weak to strong. The carbonate is found as veinlets/blebs with some zones having more intense pervasive alteration. The biotite ranges from very weak to moderate patchy alteration. Finally, pervasive chlorite is observed throughout the trench, and is generally weak.

Mineralization

Mineralization in the trench is observed as patchy and disseminated pyrite +/- pyrrhotite. There are also some very small pyrite filled veinlets. Most of the trench has sulphides ranging from ~1 to 2%; however, some zones are higher with a maximum observed concentration of 8-10%. The sulphide rich zones appear to be associated with the most intense alteration, particularly biotite.

Results

A total of 59 lithogeochemical samples were collected including channel, chip, and grab samples to test the Au mineralization in this trench. Three channel samples and one chip sample returned anomalous Au values ranging from 0.138 and 0.231g/t. All three of the channel samples contained only 1-2% pyrite with trace pyrrhotite. They exhibited moderate silicification in addition to weak biotite and chlorite alteration. These samples were also weakly gossanous with carbonate veins and blebs. The chip sample collected contained 5-6% pyrite with trace pyrrhotite and exhibited moderate silica and weak biotite alteration. The chip sample was fairly gossanous and also contained carbonate veins and blebs. The four anomalous samples appear to roughly straddle the edges of magnetic highs.

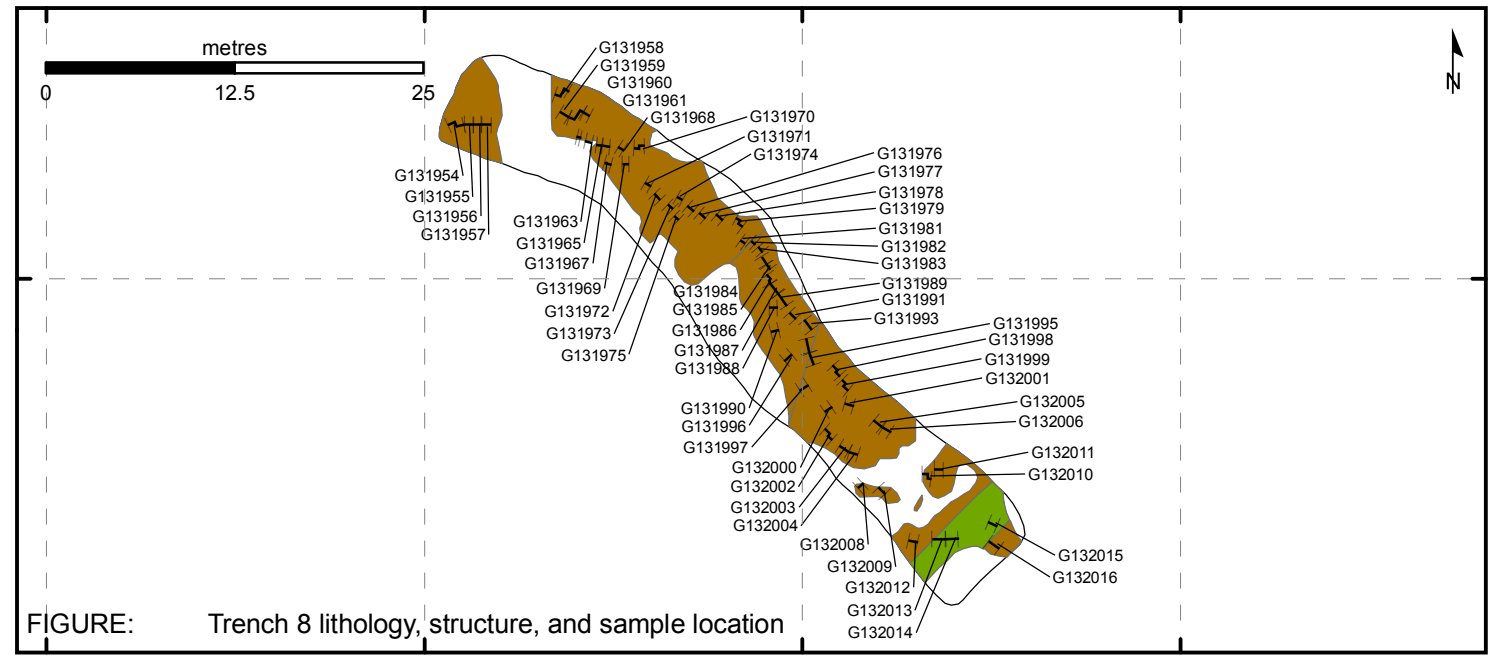


FIGURE: Trench 8 lithology, structure, and sample location

LEGEND FIGURE

LITHOLOGY

- FELSIC INTRUSIVE
- MAFIC INTRUSIVE
- SEDIMENTARY
- FELSIC VOLCANIC
- MAFIC VOLCANIC
- CHANNEL SAMPLE
- TRENCH OUTLINE

TRENCH 8	
THUNDERCLOUD PROPERTY	
NAD 83 UTM ZONE 15N	
NTS: 52F07 & 52F08	SCALE: 1:500
DATA BY: A Shannon	GIS BY: LJ Miller

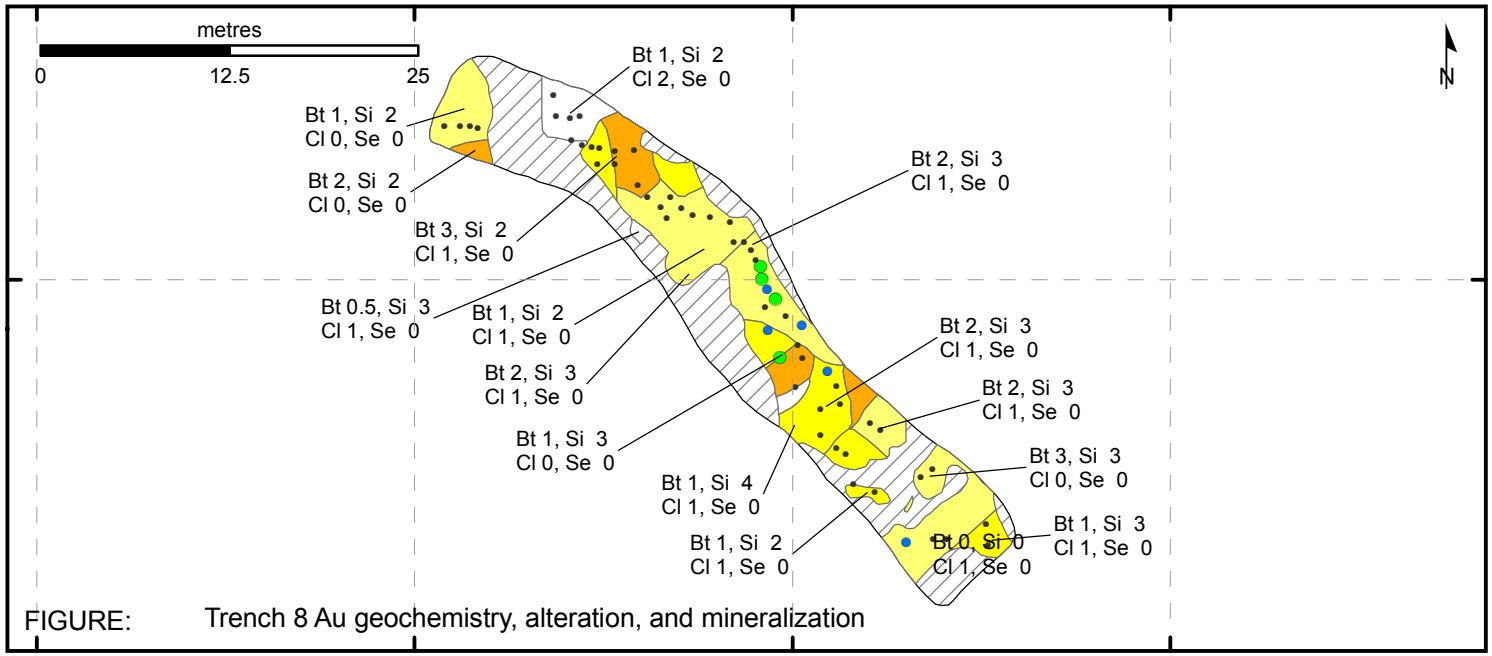


FIGURE: Trench 8 Au geochemistry, alteration, and mineralization

LEGEND FIGURE

Au GEOCHEMISTRY - ppm

- <0.05 ppm Au
- 0.05 - 0.10 ppm Au
- 0.10 - 0.50 ppm Au
- 0.50 - 1.00 ppm Au
- 1.00 - 5.00 ppm Au
- 5.00 - 10.00 ppm Au
- >10.00 ppm Au

MINERALIZATION

- <0.10 % Sulphides
- 0.11 - 2.00 % Sulphides
- 2.01 - 5.00 % Sulphides
- 5.01 - 10.00 % Sulphides
- >10.01 % Sulphides
- NO OUTCROP

ALTERATION

Bt - Biotite
Si - Silica
Cl - Chlorite
Se - Sericite

INTENSITY

0 = None
1 = Weak
2 = Moderate
3 = Strong
4 = Intense

Teck

Trench 9

Trench Target and Description

The trench area was selected to test the southern extent of Au mineralization discovered historically at the Glatz showing. There is also a weak chargeability anomaly extending south of the Glatz showing as well as a weak magnetic anomaly in the area. Six lithogeochemical grab samples were collected from the area with anomalous Au values between 0.153 and 4.78g/t. The trench is separated into three parts: 9A, 9B, and 9C with a combined length of approximately 54m (Figure 12).

Lithology

The far western side of trench 9A is composed of fine grained mafic volcanic rock. It is dark blue/green grey and mostly massive and aphanitic, with some pillow shapes and selvages identified. The pillows range from 15cm to 1m and have trace vesicles/amygdules within them. The eastern portion of the trench 9a appears to be a mafic sandstone, however it could also mafic volcanic. There are patches that seem to be clastic and it appears to be more 'granular' than a mafic volcanic. No quartz eyes are observed and it is virtually aphanitic on the fresh surface. On the far eastern corner of the trench, there is a small section of conglomerate with cm-scale subangular to subrounded polymictic clasts. The matrix is mafic in composition and coarser than the adjacent sandstone and it is slightly more pitted on the weathered surface.

The western portion of trench 9B is composed of polymictic conglomerate with a mafic quartz eye bearing matrix and abundant fine grained felsic and QFP clasts. The clasts are subangular to subrounded and range from 1 to 15cm in diameter. Further east, there is a medium grained felsic volcanic unit with abundant quartz phenocrysts. The phenocrysts are approximately 0.5cm wide. Both euhedral and broken phenocrysts are observed as well as some evidence of clasts/xenoliths. This unit could be a very quartz eye rich felsic metasediment. There is one small (~2m wide) mafic metasandstone unit that contains trace quartz eyes and is very uniform and massive . Finally, at the far eastern end of the trench a 1m bed of polymictic conglomerate is

observed which has a green quartz eye bearing matrix and small angular to subrounded clasts.

Trench 9C is composed mostly of a fine grained felsic volcanic which has quartz and plagioclase phenocrysts ranging from 0.1 to 0.5cm. The unit appears to coarsen slightly to the east (up section). Bedding is defined by variable grain sizes and some clasts are also observed. The east end of this trench is a massive, coherent quartz feldspar porphyry unit.

Structure

There are several small shears in trench 9A oriented at: 340°/90°, 225°/35°, and 055°/85° in the mafic volcanics on the west side of the trench. There are also parallel sets of joints measured at 310°/85°, and 150°/84° on the east side of the trench.

In trench 9B, pervasive repetitive fracture sets across the felsic volcanic unit were measured at approximately 080°/75°. There is also a 3cm thick quartz/plagioclase vein with late stage chlorite trending 055°/57°.

In trench 9C, a small shear is measured at 046°/90° as well bedding oriented at 312°/62°.

Alteration

Trench 9A has variable amounts of alteration including silica, biotite, chlorite, carbonate and gossan. The silicification is pervasive and flooded and appears to get more intense on the east end of the trench. The biotite alteration is patchy and fairly weak. Chlorite alteration is weak and pervasive and the carbonate is found as small veinlets/blebs throughout the trench.

Alteration in trench 9B is similar to 9A and includes silica, biotite, chlorite, carbonate and gossan. The silica is pervasive and ranges from weak to moderate. The only biotite alteration observed is in the conglomerate on the western end of the outcrop and is very weak and patchy. Weak chlorite alteration is also observed in the conglomerate (matrix). Trace carbonate veinlets are present throughout the trench. The gossan is patchy and is found in all of the lithologies.

The alteration in trench 9C consists of silica, gossan, sericite and carbonate. The silicification is flooded and moderate in intensity. The gossan is patchy and concentrated in small shears. The carbonate is in small veinlets/blebs. Some of the plagioclase in the QFP on the eastern edge of the trench exhibits some weak sericite alteration.

Mineralization

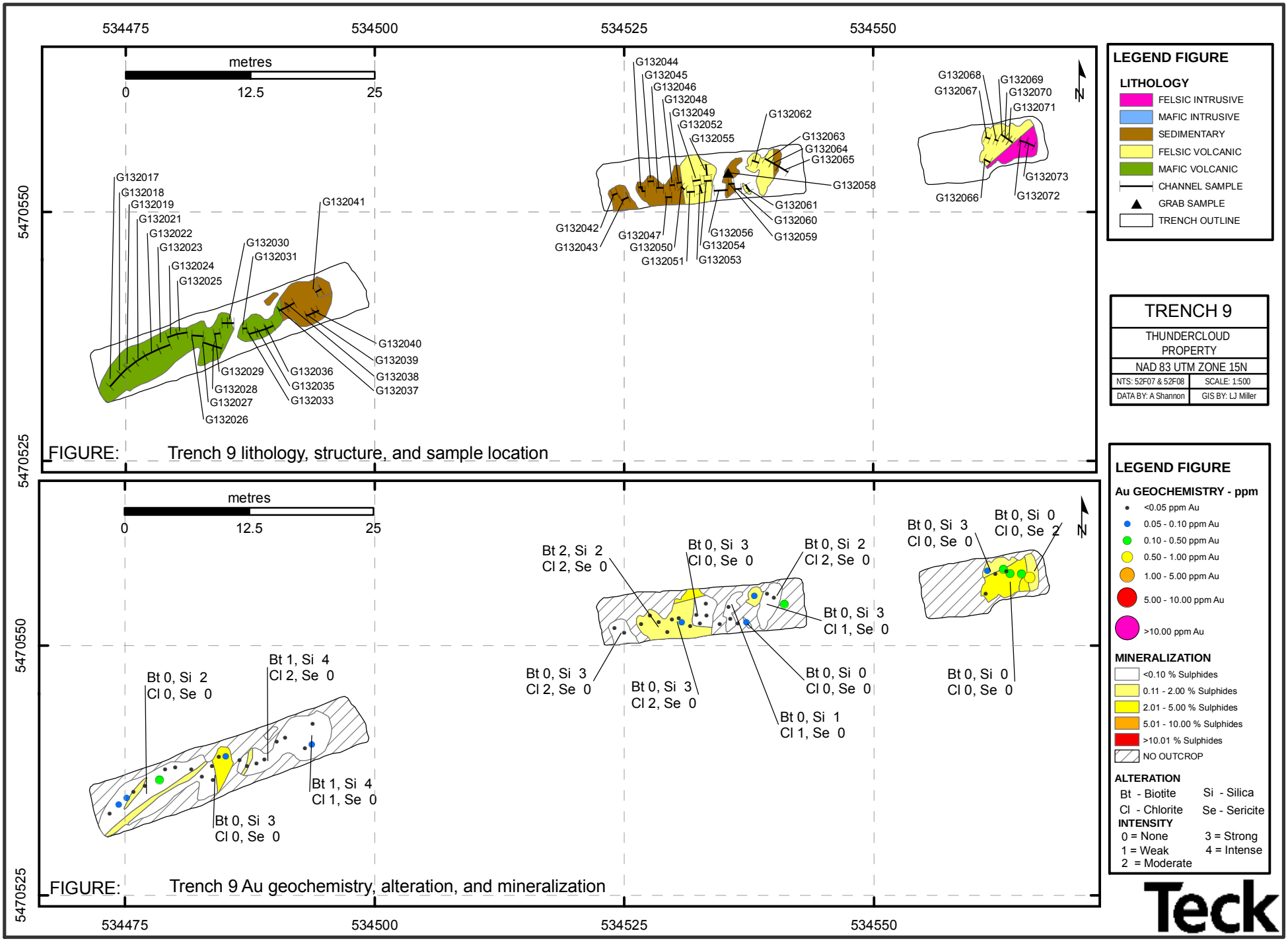
In trench 9A, sulphide mineralization is weak with most of the trench containing only trace to 1%, patchy and disseminated pyrite +/-pyrrhotite. Slightly higher concentrations are observed in small shears as well as near the center of the trench. The highest sulphide concentration observed is 5%.

Trench 9B has sulphide mineralization as patchy and disseminated pyrite +/- pyrrhotite. The highest sulphide concentrations (3-4%) are found at the eastern contact of the medium-grained felsic volcanic unit and the conglomerate.

Mineralization in trench 9C is patchy and disseminated pyrite +/- pyrrhotite with concentrations up to 3-4%. The mineralization becomes more intense to the east until the QFP unit.

Results

A total of 54 lithogeochemical samples were collected including channel, chip, and grab samples to test the Au mineralization in this trench. Of the 54 samples, 6 samples returned anomalous Au values between 0.112 and 0.713g/t. None of the six anomalous samples contained >3% pyrite + pyrrhotite. There in this area there is little correlation between lithology and anomalous Au samples. The gold mineralization is found is all the lithologies encountered including the fine grained felsic volcanic, mafic volcanic, conglomerate and QFP. All of the anomalous samples exhibit similar alteration including moderate silicification as well as some patchy gossan and carbonate veinlets. The conglomerate and mafic volcanic samples also contain weak chlorite alteration.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G132066
G132072
LEGEND FIGURE
LITHOLOGY
FELSIC INTRUSIVE
MAFIC INTRUSIVE
SEDIMENTARY
FELSIC VOLCANIC
MAFIC VOLCANIC
CHANNEL SAMPLE
GRAB SAMPLE
TRENCH OUTLINE
TRENCH 9
THUNDERCLOUD PROPERTY
NAD 83 UTM ZONE 15N
NTS: 52F07 & 52F08
SCALE: 1:500
DATA BY: A Shannon
GIS BY: LJ Miller
FIGURE: Trench 9 lithology, structure, and sample location
Bt 2, Si 2
Cl 2, Se 0
Bt 0, Si 3
Cl 0, Se 0
Bt 0, Si 2
Cl 2, Se 0
Bt 0, Si 3
Cl 1, Se 0
Bt 0, Si 3
Cl 0, Se 0
Bt 0, Si 3
Cl 2, Se 0
Bt 0, Si 0
Cl 0, Se 0
Bt 0, Si 1
Cl 1, Se 0
Bt 0, Si 3
Cl 0, Se 2
Bt 0, Si 0
Cl 0, Se 0
Bt 0, Si 2
Cl 0, Se 0
Bt 1, Si 4
Cl 2, Se 0
Bt 1, Si 4
Cl 1, Se 0
Bt 0, Si 3
Cl 0, Se 0
LEGEND FIGURE
Au GEOCHEMISTRY - ppm
<0.05 ppm Au
0.05 - 0.10 ppm Au
0.10 - 0.50 ppm Au
0.50 - 1.00 ppm Au
1.00 - 5.00 ppm Au
5.00 - 10.00 ppm Au
>10.00 ppm Au
MINERALIZATION
<0.10 % Sulphides
0.11 - 2.00 % Sulphides
2.01 - 5.00 % Sulphides
5.01 - 10.00 % Sulphides
>10.01 % Sulphides
NO OUTCROP
ALTERATION
Bt - Biotite
Si - Silica
Cl - Chlorite
Se - Sericite
INTENSITY
0 = None
1 = Weak
2 = Moderate
3 = Strong
4 = Intense
FIGURE: Trench 9 Au geochemistry, alteration, and mineralization
Teck
December 7, 2008

Trench 10

Trench Target and Description

The trench 10 area was selected to test the continuity of Au mineralization along the West Contact between Trench 3 and the Armstrong Showing/Glatz Showing. Both Trench 3 and the Armstrong Showing yield anomalous Au values in conglomerate. Property mapping of the area revealed that the conglomerate extends between the two zones. The trench is 62 meters long and trends east-west (Figure 13).

Lithology

The majority of the trench is composed of conglomerate, however, minor amounts of quartz porphyry and mafic volcanics are observed.

The conglomerate is polymictic with a felsic, quartz eye rich matrix. It is matrix supported with subangular to subrounded clasts. The composition of the matrix is slightly variable and locally becomes more felsic. The clasts are generally fine grained felsic, quartz feldspar porphyry and mafic volcanic and have a maximum diameter of 15cm (only up to 2cm for the mafics). The conglomerate appears to be interbedded with sandstone and siltstone. The sandstone is medium grained and contains subhedral to euhedral quartz eyes with local quartz rich area.

The quartz-porphyry contains subhedral to euhedral quartz phenocrysts ranging from 2 to 9mm in a felsic groundmass.

The mafic volcanics are located in the far western side of the trench. The volcanics are massive and aphanitic with pillows shapes observed.

Structure

There are several shear zones that cut the lithologies. These shear zones have variable orientations including 010°/22°, 069°/~90°, 201°/27°. Several sets of fractures cut the conglomerate; however, only one set has a consistent strike of 040°.

Alteration

The conglomerate contains low to moderate silicification. The silicification is pervasively flooded through the unit. Minor chlorite and biotite alteration is also observed within this unit. Calcite is patchy and minor sericite can be seen locally within the conglomerate and within shear zones.

The quartz-porphyry also contains weak to moderate pervasive silicification, however it is locally more intense and patchy. Small discontinuous quartz veins and pods occur and minor biotite, chlorite, and calcite as well.

In the mafic volcanics, silicification is weak in intensity and pervasive. Chlorite alteration occurs throughout this unit and is weak in intensity as well. Biotite alteration only occurs in the more mineralized part of the shear zone that cuts the volcanics.

Mineralization

Only minor sulphide mineralization is observed in this trench. Sulphides occur in both the clasts and matrix of the conglomerate, with pyrite occasionally replacing clasts. The quartz porphyry contains some of the highest concentrations of pyrite (3-5%) as does a section of the mafic volcanics adjacent to the main shear zone (5%). The conglomerate contains fine grained pyrite, and pale, fine grained pyrite associated with quartz and sericite alteration is also observed in some of the shear zones.

Results

A total of 50 lithogeochemical samples were collected including channel, chip, and grab samples to test the Au mineralization in this trench. Of the 54 samples, two samples returned anomalous Au values of 0.213 and 0.610 g/t. Both samples were collected from the conglomerate and were moderately silicified. The sample that ran 0.213g/t Au (G132099) also had weak patchy biotite alteration and 5% pyrite. The sample that ran 0.610g/t Au (G132090) had some weak chlorite alteration and only 1-2% pyrite.

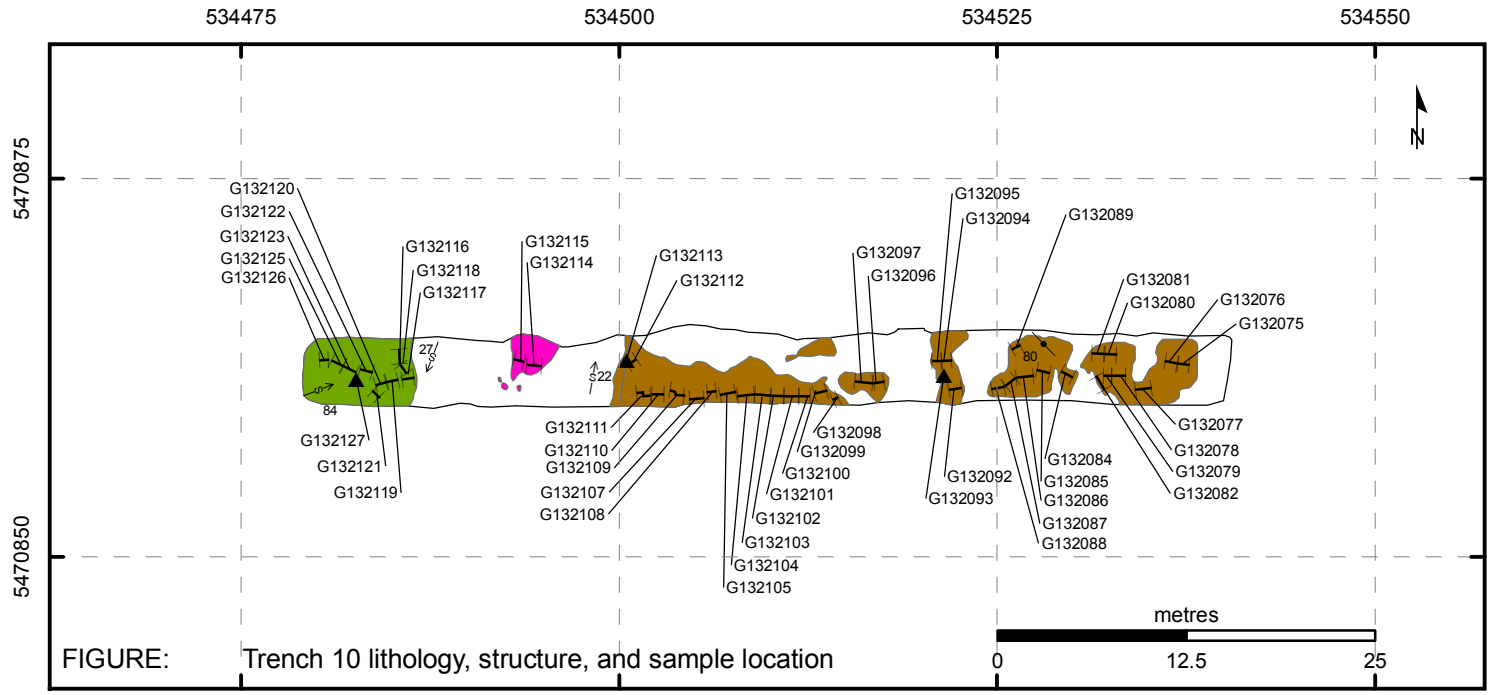


FIGURE: Trench 10 lithology, structure, and sample location

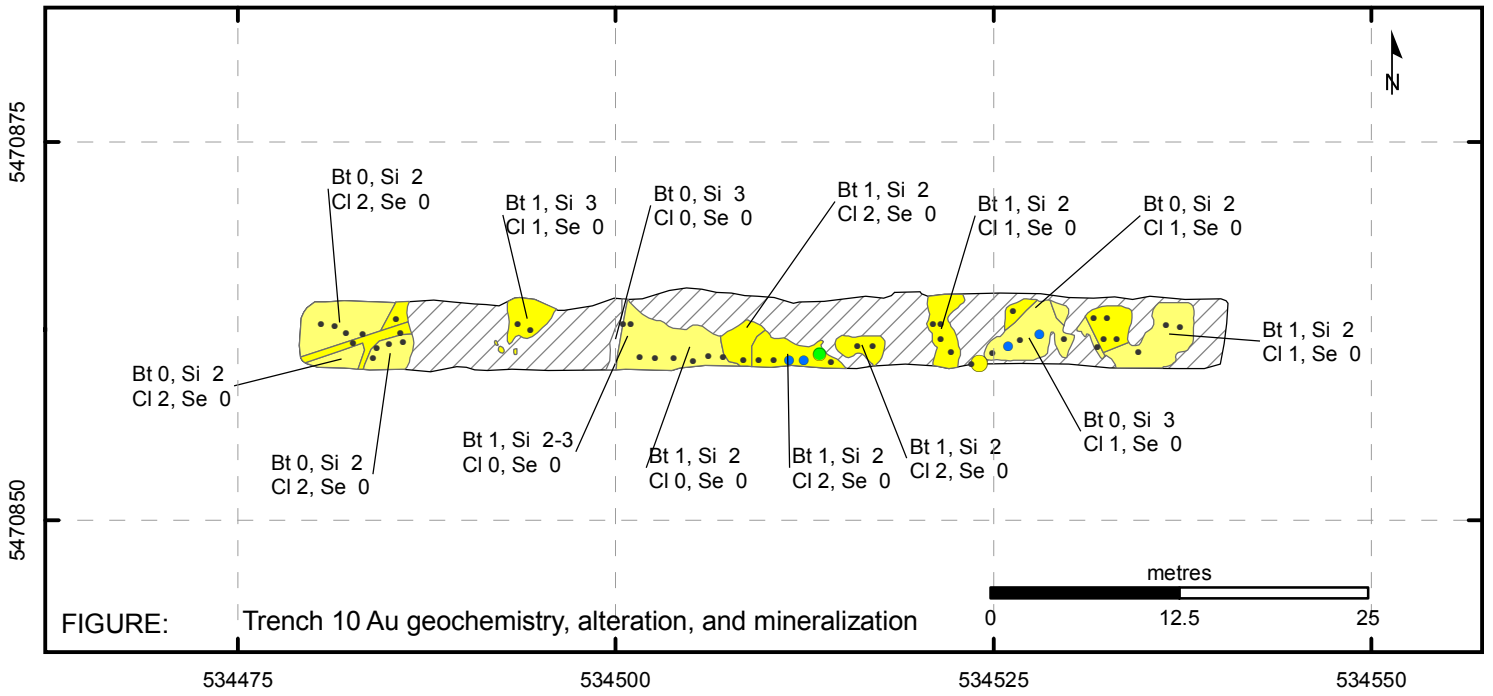


FIGURE: Trench 10 Au geochemistry, alteration, and mineralization

LEGEND FIGURE

LITHOLOGY
- FELSIC INTRUSIVE
- MAFIC INTRUSIVE
- SEDIMENTARY
- FELSIC VOLCANIC
- MAFIC VOLCANIC

STRUCTURE

Structure
- shear
- vein
- CHANNEL SAMPLE
- GRAB SAMPLE
- TRENCH OUTLINE

TRENCH 10

THUNDERCLOUD PROPERTY

NAD 83 UTM ZONE 15N

NTS: 52F07 & 52F08	SCALE: 1:500
DATA BY: A Shannon	GIS BY: LJ Miller

LEGEND FIGURE

Au GEOCHEMISTRY - ppm
- <0.05 ppm Au
- 0.05 - 0.10 ppm Au
- 0.10 - 0.50 ppm Au
- 0.50 - 1.00 ppm Au
- 1.00 - 5.00 ppm Au
- 5.00 - 10.00 ppm Au
- >10.00 ppm Au

MINERALIZATION
- <0.10 % Sulphides
- 0.11 - 2.00 % Sulphides
- 2.01 - 5.00 % Sulphides
- 5.01 - 10.00 % Sulphides
- >10.01 % Sulphides
- NO OUTCROP

ALTERATION

Bt - Biotite
Cl - Chlorite
Si - Silica
Se - Sericite

INTENSITY

0 = None
1 = Weak
2 = Moderate
3 = Strong
4 = Intense

Teck

December 7, 2008

Trench 11

Trench Target and Description

The trench area was selected to test a large (~100m wide) chargeability anomaly. The trench also intersects a long and thin (~280x40m) north-south trending resistivity anomaly and a small (~30m) magnetic anomaly. In addition to the geophysical anomalies, 5 historical (2007) and 4 recent lithogeochemical grab samples from the area yielded anomalous Au values ranging from 0.103 to 9.33g/t. The trench is made up of two parts forming a south facing 'T'. Trench 11a runs east-west and trench 11b runs north-south and intersects 11a three quarters the way along it. The total length of this trench is 153m, part a is 93m in length and part b is 60m in length (Figure 14).

Lithology

In much of the trench, lithologies are difficult to establish due to the degree of hydrothermal alteration. The trench is dominated by interbedded mafic and felsic volcanic derived sedimentary rocks with a coarse grained mafic rock (gabbro) identified at the east end of 11a. The mafic and felsic dominated volcanic/sedimentary units alternate and are on the order of 10m wide. The contact of between these units is stratigraphically conformable and is marked by conglomerate. These contacts are dipping steeply to the east and strike approximately north-south. The north-south strike of the units is confirmed by trench 11b which trends strike parallel to the portion of the feldspar porphyritic volcaniclastic observed 11a.

Alteration

The alteration in this trench ranges from low degrees of sericite ± silicification of the intermediate-felsic volcaniclastics to intense biotite-chlorite-silica alteration in the mafic dominated siltstones. The primary textures in the

Mineralization

The intensity of mineralization throughout the trench is variable and ranges from large, unmineralized sections in trench 11b, to pervasive ~30% pyrite + pyrrhotite in the east end trench 11a. This strong sulphide mineralization includes massive ~10cm pyrite and quartz shear veins. Approximately five of these massive pyrite veins, orientation of ~020°, cut a highly magnetic gabbro. In the same area, a number of thin ~1cm wide quartz veins with trace sulphides cut the same gabbro. The gabbro contains 3% pyrrhotite and 2-5% pyrite. The sulphides in the gabbro are generally fine grained and disseminated or in sheared blebs. The middle portion of trench 11a has mafic sedimentary beds that are preferentially mineralized and are locally highly magnetic with intense chlorite -silica alteration. These beds have 2-5% finely disseminated or blebby pyrite.

Structure

This trench has an overall structural grain sub parallel to bedding which is approximately north-south. The joints, shears and veins observed are generally moderately dipping (~60^{o}) and are best developed between 310^{o} to 330^{o}.

Results

A total of 139 lithogeochemical samples were collected including channel, chip, and grab samples to test the Au mineralization in this trench. Anomalous Au values between 0.101 and 6.99g/t was found in 54 samples. The fine grained mafic sediment contain lower grade samples with the higher grade samples were generally confined to the mafic intrusive. Most of the anomalous samples contain significant silicification as well as chlorite and biotite alteration.

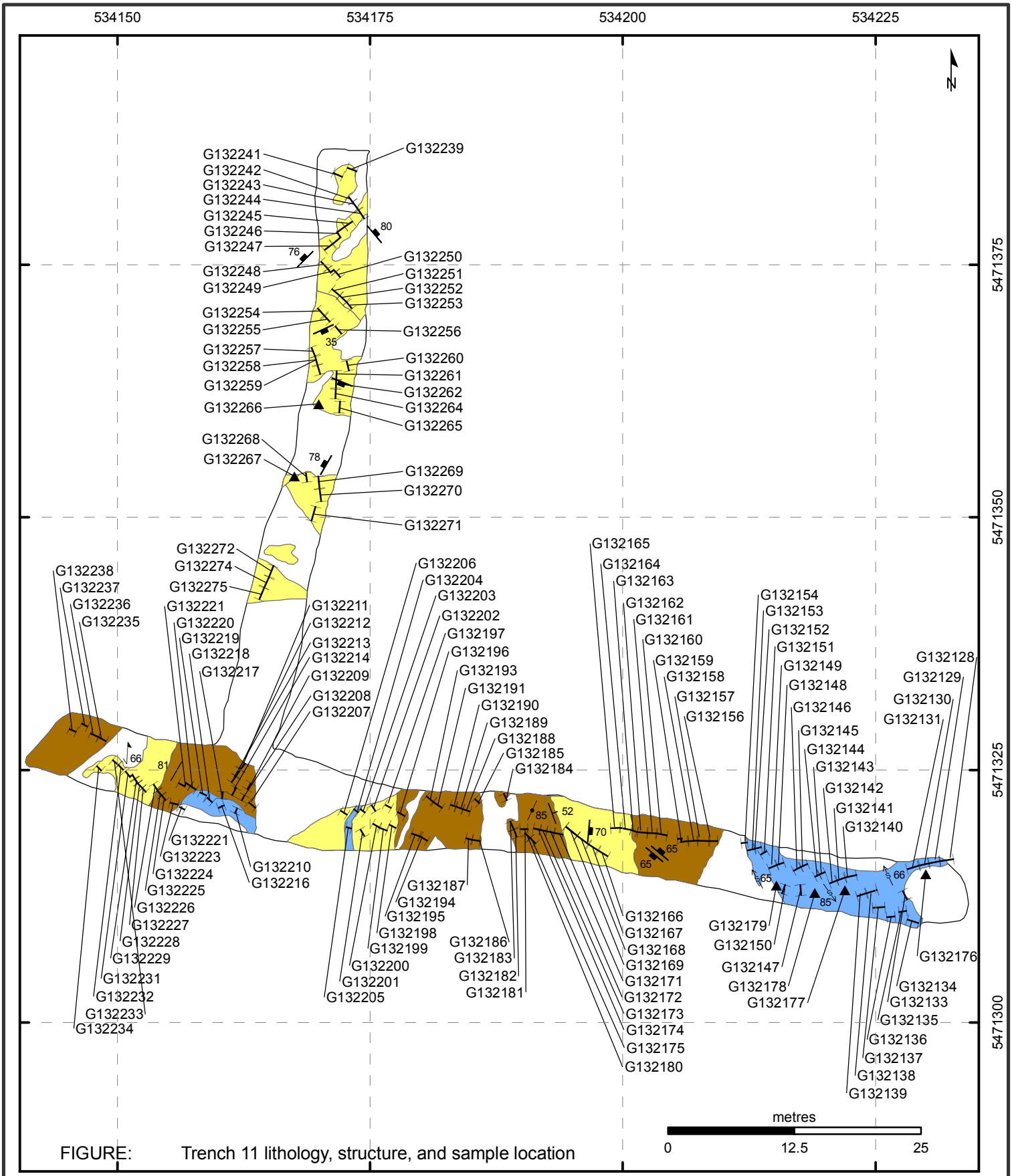


FIGURE: Trench 11 lithology, structure, and sample location

TRENCH 11	
THUNDERCLOUD PROPERTY	
NAD 83 UTM ZONE 15N	
NTS: 52F07 & 52F08	SCALE: 1:500
DATA BY: A Shannon	GIS BY: LJ Miller

LITHOLOGY
- FELSIC INTRUSIVE
- MAFIC INTRUSIVE
- SEDIMENTARY
- FELSIC VOLCANIC
- MAFIC VOLCANIC

STRUCTURE
- bedding
- fault
- foliation
- joint
- shear
- vein

- CHANNEL SAMPLE
- GRAB SAMPLE
- TRENCH OUTLINE

Teck

December 4,2008

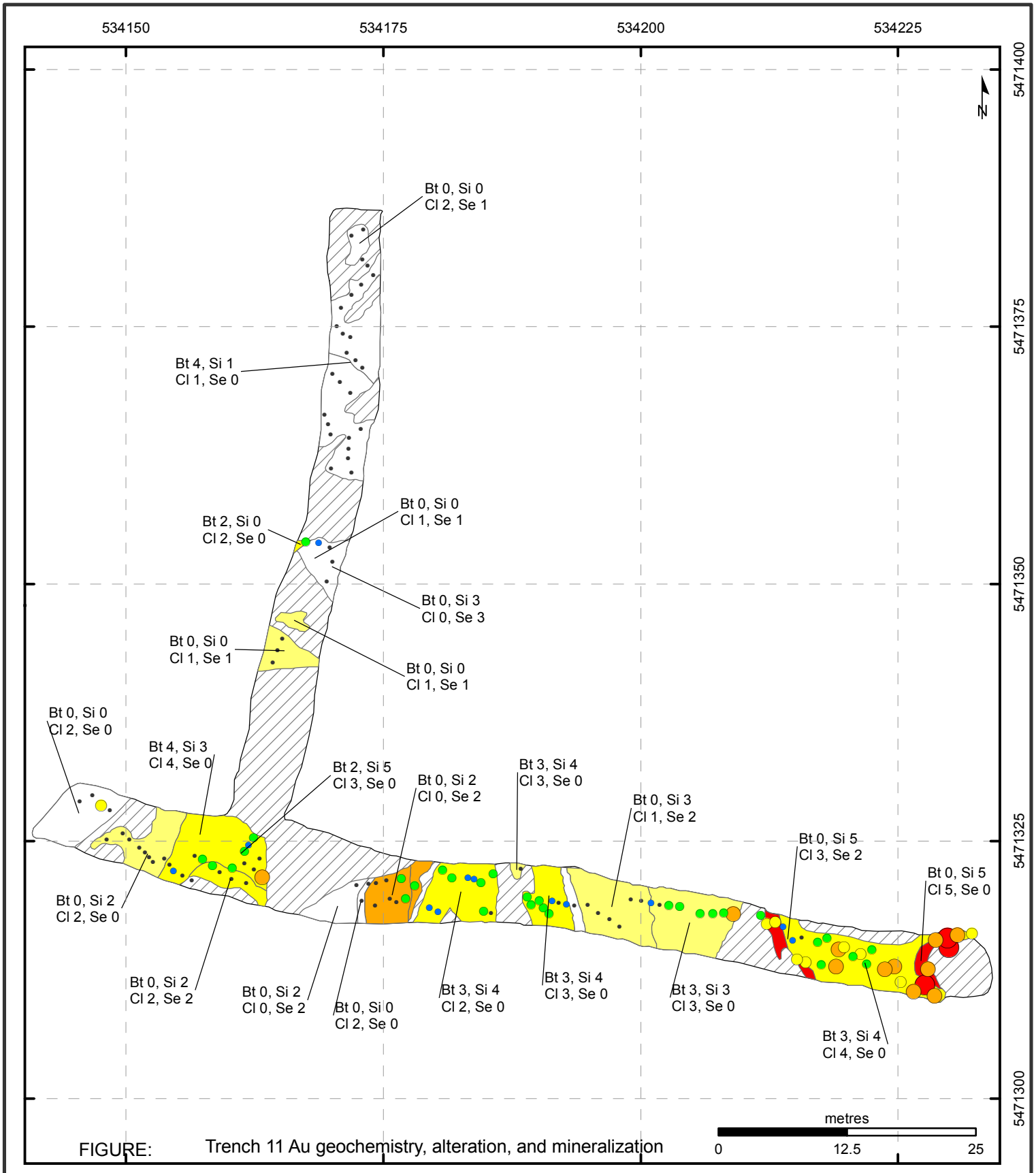


FIGURE: Trench 11 Au geochemistry, alteration, and mineralization

TRENCH 11	
THUNDERCLOUD PROPERTY	
NAD 83 UTM ZONE 15N	
NTS: 52F07 & 52F08	SCALE: 1:500
DATA BY: A Shannon	GIS BY: LJ Miller

Au GEOCHEMISTRY - ppm

- <0.05 ppm Au
- 0.05 - 0.10 ppm Au
- 0.10 - 0.50 ppm Au
- 0.50 - 1.00 ppm Au
- 1.00 - 5.00 ppm Au
- 5.00 - 10.00 ppm Au
- >10.00 ppm Au

MINERALIZATION

- <0.10 % Sulphides
- 0.11 - 2.00 % Sulphides
- 2.01 - 5.00 % Sulphides
- 5.01 - 10.00 % Sulphides
- >10.01 % Sulphides
- NO OUTCROP

ALTERATION

Bt - Biotite Si - Silica
Cl - Chlorite Se - Sericite

INTENSITY

0 = None 3 = Strong
1 = Weak 4 = Intense
2 = Moderate

Teck

December 8, 2008

Trench 12

Trench Target and Description

The area for trench 12 was selected to test a large (~150x100m) chargeability anomaly. In addition to the geophysical anomaly, approximately 40 samples (~20 historical and ~20 recent) have returned anomalous Au values from 0.101 to 24.71g/t. The trench is made up of two parts making the shape of a T. Trench 12A is approximately 30m long and strikes ENE-WSW and Trench 12B is approximately 50M long and strikes roughly north-south (~10°) (Figure 15).

Lithology

The lithology is fairly consistent throughout the trench. Trench 12A is composed of dark grey to black, fine grained, massive mafic rock. Some of the mafic rocks have rounded 2-4cm plagioclase (?) filled amygdules/phenocrysts. Trench 12B also contains fine grained mafic rocks, however it appears to coarsen in the center of the trench where degree of alteration is lower. This area is made up of a medium to coarse grained mafic rock (gabbro) and in the south end where alteration is stronger the grain size is reduced. Hints of pillow several pillow selvages are observed no good pillow shapes are observed and overall this trench is believed to contain intrusive rocks.

Structure

Overall, there is a general fabric observed striking between 220° and 240°. This fabric often contained small shear zones with similar orientations. Another shear zone is observed striking approximately 140°.

Alteration

The alteration throughout the outcrop consists of silica, biotite, and chlorite alteration. The silicification is generally weak and pervasive, but locally is intensity. The biotite alteration is generally moderate in intensity and patchy. The chlorite is mostly weak in 12B, and moderate in intensity in 12A. The chlorite is observed pervasively throughout the rock as well as in small irregular veinlets. Several pillow selvages

observed also contain chlorite alteration, giving them a medium to dark green colour. In addition to the chlorite veins observed, small quartz and carbonate veins are also common across the trench.

Mineralization

Overall, both 12A and 12B contain fairly consistently high sulphide content in the form of pyrite +/- pyrrhotite and chalcopyrite. The sulphide mineralization is fairly consistent throughout the entire trench and is generally disseminated, blebby, in small veins and veinlets, or within shears. Trench 12A is slightly less sulphidized than 12B containing only trace to 5% sulphides in the eastern half of the trench. The central and western portions contain higher concentrations of around 5 to15% sulphides. Trench 12B, however, contains roughly 10-15% sulphides throughout with local concentrations (south end) up to 20-30%. Depending on the concentrations of pyrrhotite (and magnetite?), the rock is weak to moderately magnetic.

Results

A total of 83 lithogeochemical samples were collected including channel, chip, and grab samples to test the Au mineralization in this trench. Of the 83 samples, 41 samples returned anomalous Au values above 0.100g/t. The highest Au value returned was 19.9g/t and 38 anomalous samples values between 0.1 and 1.0g/t Au. There does not appear to be a direct correlation between samples that returned anomalous Au values and sulphide content. Sample G132310 yielded 19.9g/t Au and only contained 5% pyrite where samples that contained up to 20-25% sulphides returned <0.1g/t. The sample location for G132310 was revisited to try to better understand the reason it yielded such an anomalous Au value and a small shear was discovered that was previously unknown. This could be an indication that structural features play an important role in the concentration and deposition of Au in this system. There also appears to be a rough general correlation between intensity of alteration and Au mineralization.

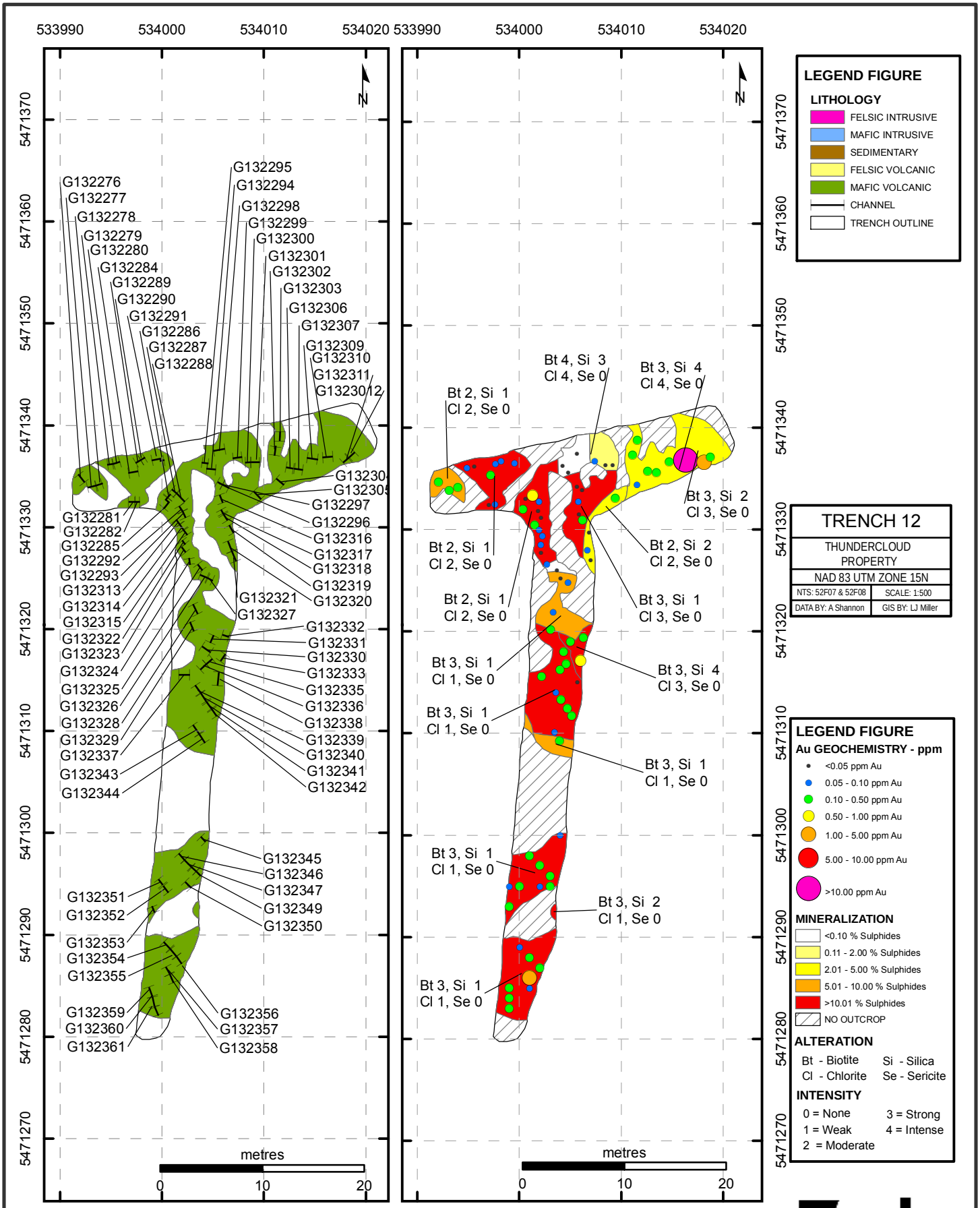


FIGURE: Trench 12 lithology, structure, and sample location

FIGURE: Trench 12 Au geochemistry, alteration, and mineralization

Teck

December 8, 2008

Trench 13

Trench Target and Description

The trench area was selected to test the southern end of a very large (~500x125m) chargeability anomaly as well as the southern extent of an irregular magnetic anomaly (~250x100). In addition to the geophysical anomalies, a recent grab sample collected in the area (G131754) yielded an anomalous Au value of 1.29g/t. Trench 13 consists of two separate trenches spaced ~25m apart due to lack of bedrock. The eastern trench (13A) is 'L' shaped with the east-west portion measuring 22m in length and the north-south portion measuring ~22m. The western portion (13B) is arc-shaped and approximately 30m long (Figure 16).

Lithology

A fine grained mafic is the dominant lithology in both trenches. In addition to the mafic rock, a shallowly dipping intermediate dyke is observed over approximately 4m in Trench 13A.

The mafic unit is fine grained and consists of hornblende and feldspar. Overall, they this unit is massive, with locally containing hints of pillows shapes, in Trench 13B. The composition of the unit appears similar in both trenches, but is slightly coarser in parts of trench 13B.

The intermediate dyke is very feldspar-rich with lesser amounts of amphibole and quartz. The crystals are euhedral and medium to coarse grained.

Alteration

Low to moderate amounts of pervasive silicification is observed throughout the trench. The rocks are also weakly chloritized (background). The intermediate dyke is slightly silicified and the amphibole crystals are altering to biotite and chlorite.

Structure

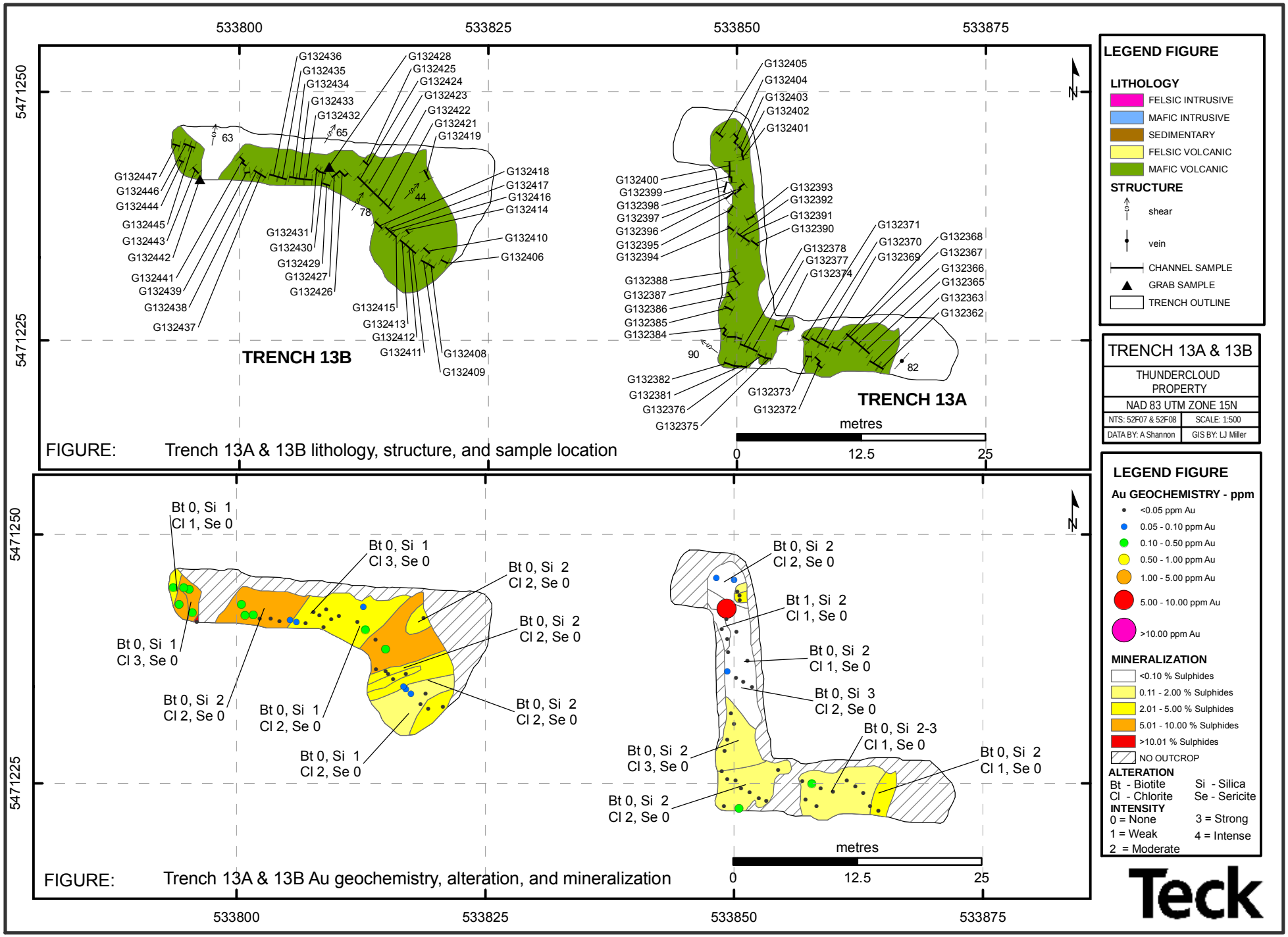
This trench has a dominant structural trend that is north-south to northeast-southwest. One shear zone in Trench 13A is oriented northwest-southeast, but all the major shear zones observed in 13B are roughly parallel. The fractures in the area are very irregular and do not occur over a great length. A number of small gaps in the bedrock which are interpreted to be small faults are orientation north-south, which is similar to other fault orientations in the area.

Mineralization

Trench 13B is contains more mineralized than 13A. Overall, trench 13A contains only trace to 2% sulphides (locally up to 5%). Trench 13B mostly contains between 3 to 10% sulphides throughout. Both pyrite and pyrrhotite are present in both of the trenches. Arsenopyrite and chalcopyrite may also be present as well, but in much smaller concentrations. The sulphides in 13A are mostly in small clots or patches. Those in 13B are also seen in clots and patches, but also very fine grained and disseminated. The greatest abundance of sulphides is at the west end of 13B in an intensely sheared area. The pyrite mineralization in that area is patchy and disseminated pyrite.

Results

A total of 80 lithogeochemical samples were collected including channel, chip, and grab samples to test the Au mineralization in this trench. Anomalous Au values between 0.101 and 6.04g/t were found in 13 samples. Ten of the anomalous samples were collected from trench 13B while the remaining three were from trench 13A. One assay sample had 6.04g/t Au yet it only contained <1% sulphides. The rest of the assay samples yielded Au values >0.21g/t.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G132369
G132368
G132367
G132366
G132365
G132363
G132362
G132378
G132377
G132374
G132382
G132381
G132376
G132375
G132373
G132372
90
82
TRENCH 13A
metres
0
12.5
25
FIGURE: Trench 13A & 13B lithology, structure, and sample location
LEGEND FIGURE
LITHOLOGY
FELSIC INTRUSIVE
MAFIC INTRUSIVE
SEDIMENTARY
FELSIC VOLCANIC
MAFIC VOLCANIC
STRUCTURE
shear
vein
CHANNEL SAMPLE
GRAB SAMPLE
TRENCH OUTLINE
TRENCH 13A & 13B
THUNDERCLOUD PROPERTY
NAD 83 UTM ZONE 15N
NTS: 52F07 & 52F08
SCALE: 1:500
DATA BY: A Shannon
GIS BY: LJ Miller
Bt 0, Si 1
Cl 1, Se 0
Bt 0, Si 1
Cl 3, Se 0
Bt 0, Si 2
Cl 2, Se 0
Bt 0, Si 1
Cl 2, Se 0
Bt 0, Si 1
Cl 3, Se 0
Bt 0, Si 2
Cl 2, Se 0
Bt 0, Si 2
Cl 2, Se 0
Bt 0, Si 2
Cl 2, Se 0
Bt 0, Si 1
Cl 2, Se 0
Bt 0, Si 2
Cl 2, Se 0
Bt 1, Si 2
Cl 1, Se 0
Bt 0, Si 2
Cl 1, Se 0
Bt 0, Si 3
Cl 2, Se 0
Bt 0, Si 2-3
Cl 1, Se 0
Bt 0, Si 2
Cl 3, Se 0
Bt 0, Si 2
Cl 2, Se 0
Bt 0, Si 2
Cl 1, Se 0
metres
0
12.5
25
FIGURE: Trench 13A & 13B Au geochemistry, alteration, and mineralization
LEGEND FIGURE
Au GEOCHEMISTRY - ppm
<0.05 ppm Au
0.05 - 0.10 ppm Au
0.10 - 0.50 ppm Au
0.50 - 1.00 ppm Au
1.00 - 5.00 ppm Au
5.00 - 10.00 ppm Au
>10.00 ppm Au
MINERALIZATION
<0.10 % Sulphides
0.11 - 2.00 % Sulphides
2.01 - 5.00 % Sulphides
5.01 - 10.00 % Sulphides
>10.01 % Sulphides
NO OUTCROP
ALTERATION
Bt - Biotite
Cl - Chlorite
Si - Silica
Se - Sericite
INTENSITY
0 = None
1 = Weak
2 = Moderate
3 = Strong
4 = Intense
Teck
December 8, 2008

Trench 14

Trench Target and Description

The trench area was selected to test the northern end of a very large (~500x125m) chargeability anomaly. In addition to the geophysical anomaly, 12 lithogeochemical grab sample collected by Teck between 2007 and 2008 returned Au values between 0.128 and 15.55g/t. Trench 14 is approximately 80 meters long and trends approximately west to east (Figure 17).

Lithology

The lithology of the entire trench is gabbro. The gabbro unit is coarse grained and composed of euhedral pyroxene crystals and subhedral interstitial plagioclase feldspar crystals. Locally, there are fine to medium grained areas though this may just be a result of alteration or proximity to the country rock (chill margin).

Structure

The east end of the trench is cut by several shear zones; most oriented approximately north-south or northeast-southwest. Several shear zones are inferred based on the presence of a fabric in the adjacent rock and lack of outcrop in the area. Fractures and shear zones on the west end, though fewer in number, have a similar orientation. Shallowly dipping quartz veins run along the southeastern wall of the trench over approximately 6 meters and are oriented between 190° and 204°.

Alteration

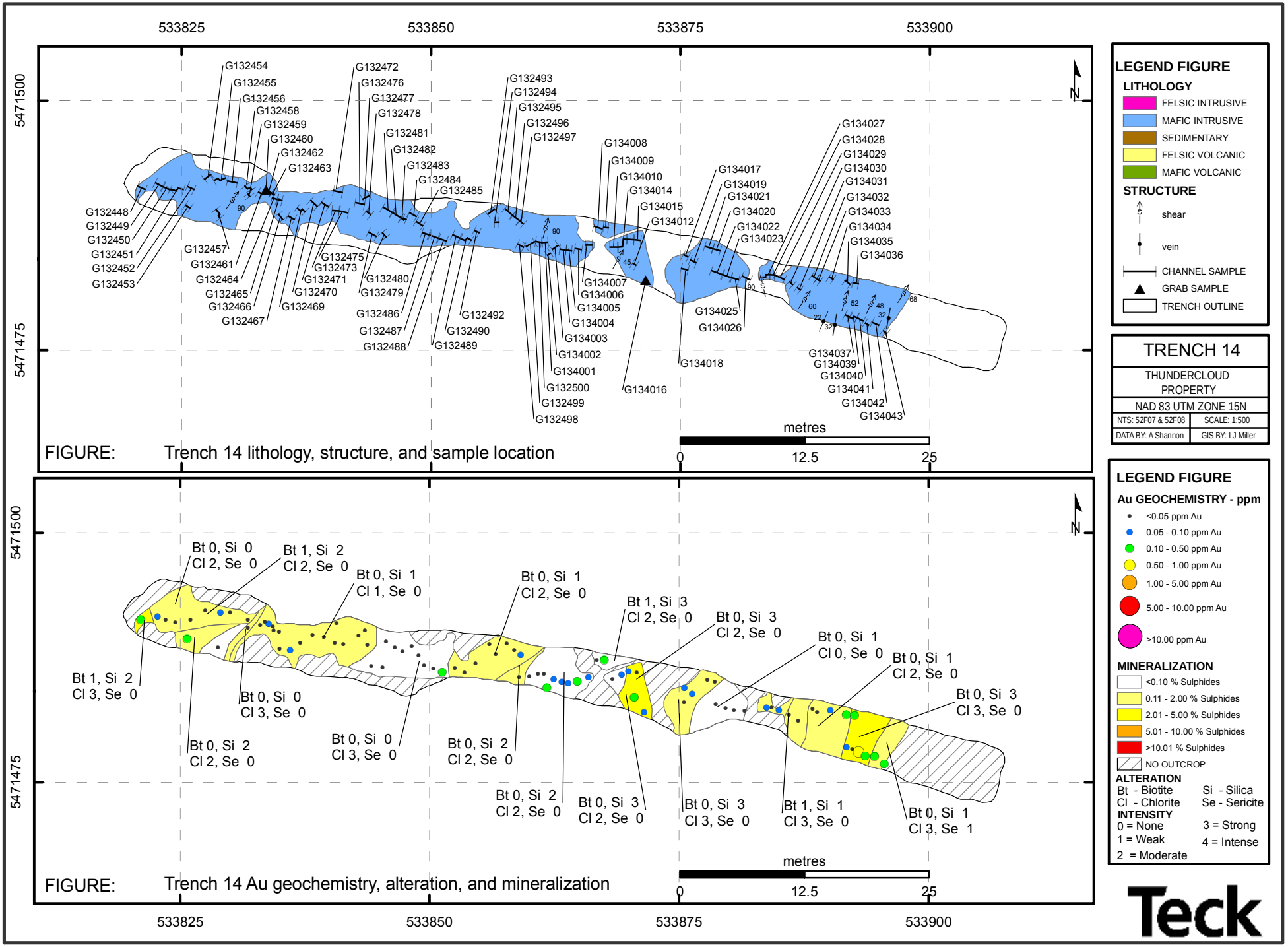
The trench does not appear to be strongly altered. Low to moderate intensity of silica and chlorite alteration is observed with local weak biotite, epidote, and carbonate alteration. The silicification is pervasive whereas the chlorite, biotite, and epidote alteration is patchy. The carbonate is found mostly in small patches or pods or in veins.

Mineralization

Mineralization in the trench ranges from 0 to 5% sulphides. Sulphide concentrations are generally low, with the highest concentrations found in a shear zone and in a gossanous areas associated with a shear zone. Most of the sulphides are pyrite, however, local minor pyrrhotite is also observed, which is likely primary. Fine grained disseminated pyrite is found in quartz-chlorite veins in the eastern side of the trench.

Results

A total of 90 lithogeochemical samples were collected including channel, chip, and grab samples to test the Au mineralization in this trench. Anomalous Au values between 0.101 and 0.688g/t were returned in 13 samples. All samples collected were gabbroic and contained less than 5% sulphides. Most of the anomalous samples exhibited moderate to strong silica and chlorite alteration +/- weak sericite, carbonate, biotite, and epidote alteration.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533900
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G132454
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G132459
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G132476
G132477
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G132483
G132484
G132485
G132493
G132494
G132495
G132496
G132497
G134008
G134009
G134010
G134014
G134015
G134012
G134017
G134019
G134021
G134020
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G134002
G134001
G132500
G132499
G132498
G134016
G134018
G134025
G134026
G134037
G134039
G134040
G134041
G134042
G134043
metres
0
12.5
25
FIGURE: Trench 14 lithology, structure, and sample location
Bt 0, Si 0
Cl 2, Se 0
Bt 1, Si 2
Cl 2, Se 0
Bt 0, Si 1
Cl 1, Se 0
Bt 0, Si 1
Cl 2, Se 0
Bt 1, Si 3
Cl 2, Se 0
Bt 0, Si 3
Cl 2, Se 0
Bt 0, Si 1
Cl 0, Se 0
Bt 0, Si 1
Cl 2, Se 0
Bt 0, Si 3
Cl 3, Se 0
Bt 1, Si 2
Cl 3, Se 0
Bt 0, Si 0
Cl 3, Se 0
Bt 0, Si 2
Cl 2, Se 0
Bt 0, Si 0
Cl 3, Se 0
Bt 0, Si 2
Cl 2, Se 0
Bt 0, Si 2
Cl 2, Se 0
Bt 0, Si 3
Cl 2, Se 0
Bt 0, Si 3
Cl 3, Se 0
Bt 1, Si 1
Cl 3, Se 0
Bt 0, Si 1
Cl 3, Se 1
metres
0
12.5
25
FIGURE: Trench 14 Au geochemistry, alteration, and mineralization
533825
533850
533875
533900
LEGEND FIGURE
LITHOLOGY
FELSIC INTRUSIVE
MAFIC INTRUSIVE
SEDIMENTARY
FELSIC VOLCANIC
MAFIC VOLCANIC
STRUCTURE
shear
vein
CHANNEL SAMPLE
GRAB SAMPLE
TRENCH OUTLINE
TRENCH 14
THUNDERCLOUD PROPERTY
NAD 83 UTM ZONE 15N
NTS: 52F07 & 52F08
SCALE: 1:500
DATA BY: A Shannon
GIS BY: LJ Miller
LEGEND FIGURE
Au GEOCHEMISTRY - ppm
<0.05 ppm Au
0.05 - 0.10 ppm Au
0.10 - 0.50 ppm Au
0.50 - 1.00 ppm Au
1.00 - 5.00 ppm Au
5.00 - 10.00 ppm Au
>10.00 ppm Au
MINERALIZATION
<0.10 % Sulphides
0.11 - 2.00 % Sulphides
2.01 - 5.00 % Sulphides
5.01 - 10.00 % Sulphides
>10.01 % Sulphides
NO OUTCROP
ALTERATION
Bt - Biotite
Cl - Chlorite
Si - Silica
Se - Sericite
INTENSITY
0 = None
1 = Weak
2 = Moderate
3 = Strong
4 = Intense
Teck
December 7, 2008

Geophysics

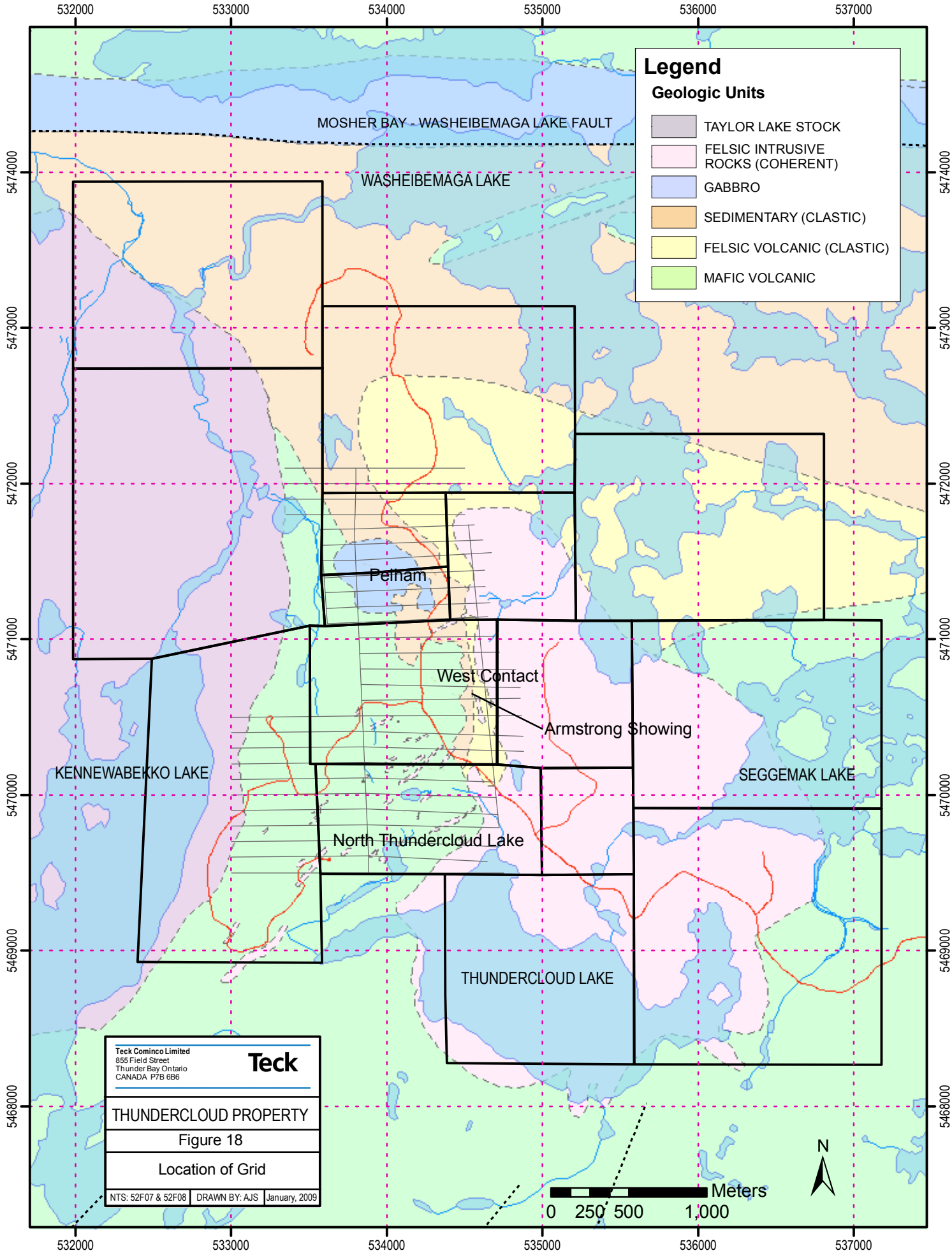
In May 2008 a ground magnetic survey was initially conducted on the 2007-2008 grid (Figure 18) by Matt Holden and Victoria Sterritt. The survey was completed in the end of September by Victoria Sterritt. Lines are spaced at 100m intervals. Scintrex's NAVMAG instruments were used for all of the magnetic surveying. They are continuous read cesium magnetometers, set to read once per second. The integrated GPS system allowed for surveying along roads and trails on the Thundercloud property, increasing the resolution where possible.

Base station data was obtained using GEM instruments reading at four second intervals, set up at two base stations separated by a few meters. Diurnal corrections were applied using Jules Lajoie's BaseCorr DOS program. Data was then checked for drop outs, due to poor sensor orientation, and leveled between the two base stations. All final data, including the detailed trench surveys, were gridded using 20m cells and various products were calculated.

Results

Comparing 2008 ground magnetic results and the OGS regional airborne magnetic data show that strong magnetic features (both highs and lows) in the ground data appear as subtle magnetic features in the regional airborne. These strong magnetic responses in the ground data correlate to the Pelham Area. This implies that at least some of the Thundercloud mineralization can be detected in the regional airborne. As such, other subtle magnetic features associated with this, and other, large magnetic plutons can be investigated.

The regional magnetic map shows that the Thundercloud property is located on the side of a large, moderately deep magnetic body that is an intermediate pluton, known to be the Taylor Lake Stock (Figure 19). There is a similar large magnetic feature to the southwest, though is appears to be shallower.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Geologic Units
TAYLOR LAKE STOCK
FELSIC INTRUSIVE ROCKS (COHERENT)
GABBRO
SEDIMENTARY (CLASTIC)
FELSIC VOLCANIC (CLASTIC)
MAFIC VOLCANIC
MOSHER BAY - WASHEIBEMAGA LAKE FAULT
WASHEIBEMAGA LAKE
Pelham
West Contact
Armstrong Showing
KENNEWABEKKO LAKE
SEGGEMAK LAKE
North Thundercloud Lake
THUNDERCLOUD LAKE
Teck Cominco Limited
855 Field Street
Thunder Bay Ontario
CANADA P7B 6B6
Teck
THUNDERCLOUD PROPERTY
Figure 18
Location of Grid
NTS: 52F07 & 52F08
DRAWN BY: AJS
January, 2009
N
0 250 500 1,000
Meters

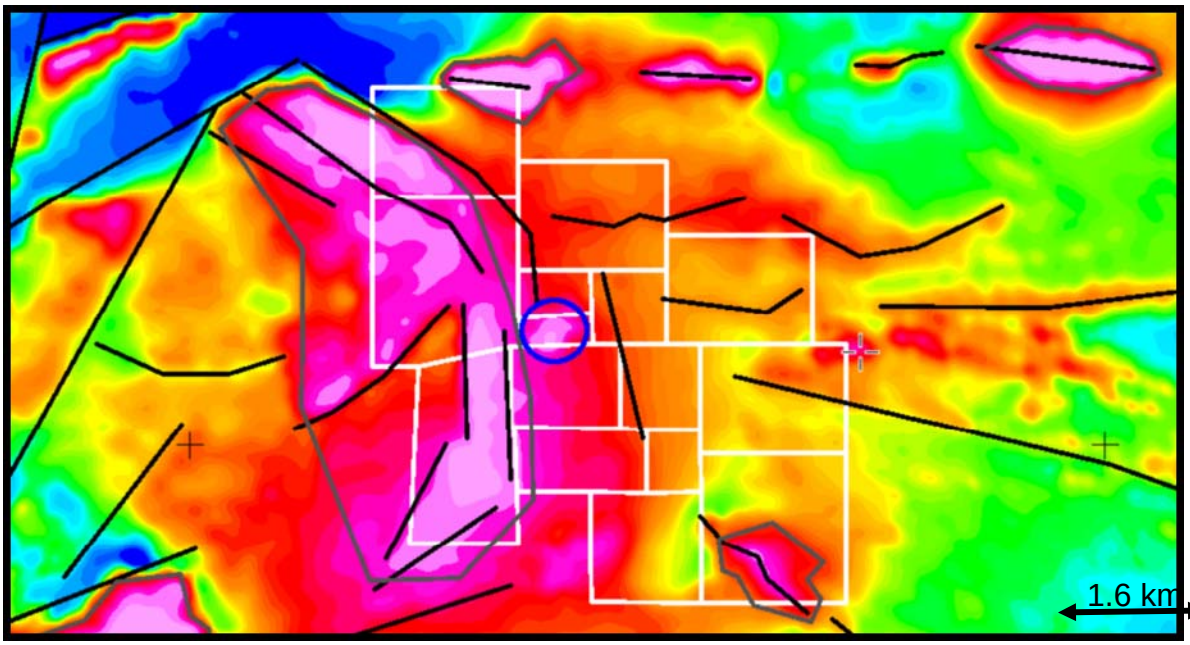
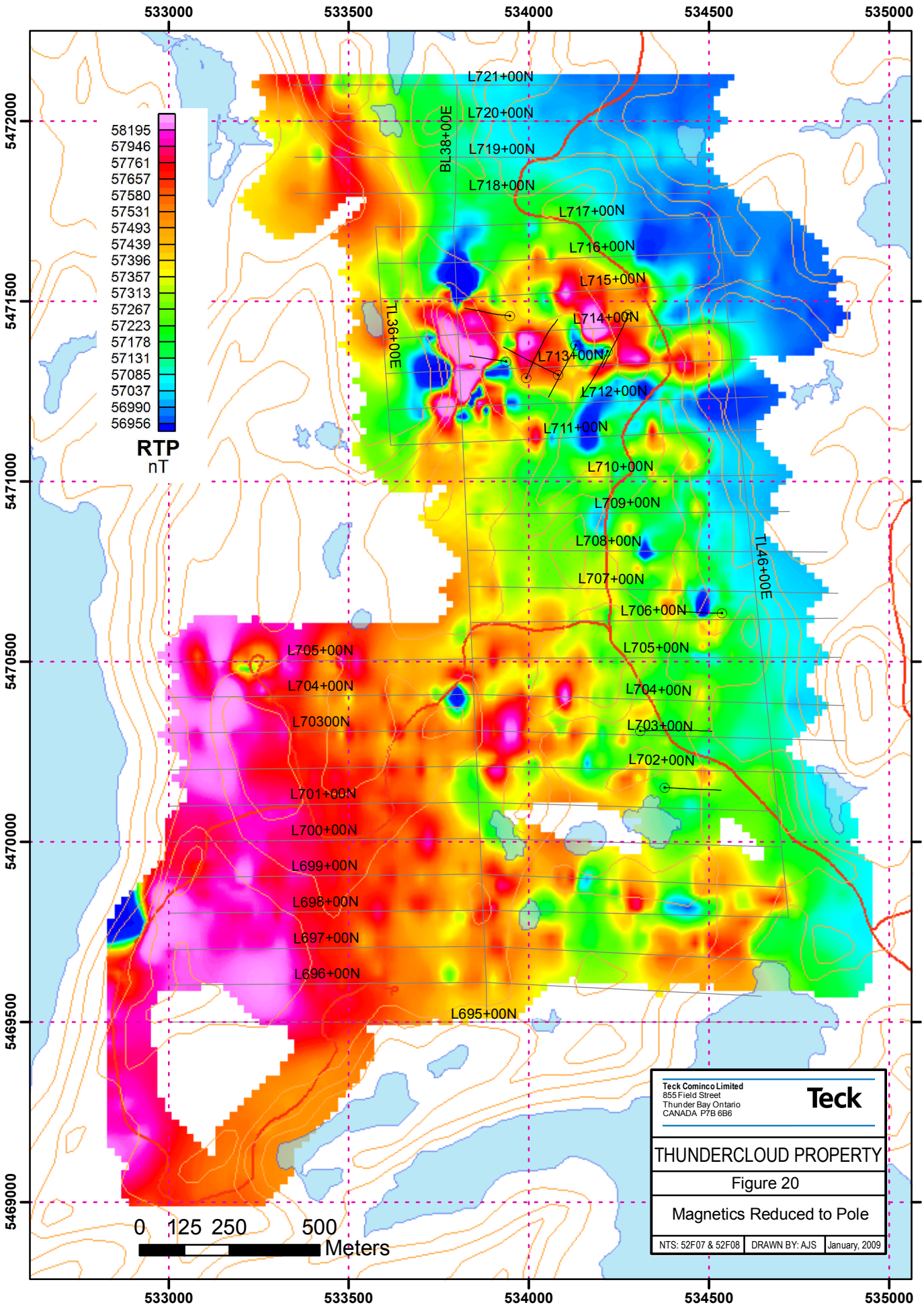


Figure 19: Zoomed window of the Manitou- Stormy Lakes residual field aeromagnetic compilation. Thundercloud claims are outlined in white. Preliminary structural identification in the form of a worm map show as black lines, with grey polygons outlining interpreted intrusions. The blue circle roughly outlines the Pelham area.

The ground magnetic survey revealed that the mafic volcanic and intrusive rocks (in blue and green) are generally magnetic whereas the felsic intrusive rocks (in pink) are not (Figure 20 and RTP Mag Map in Pocket). Sedimentary rocks appear to occur at the transition from high to low magnetic signature. There are strong magnetic features in center of the grid which seem to correlate with the mafic volcanic and intrusive rocks. These features are not consistently associated with the mafic rocks in the area covered by the magnetic survey. This suggests that these features are associated with magnetic host rocks or potentially magnetite constructive alteration of the mafic rocks.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L70300N
BL38+00E
TL36+00E
TL46+00E
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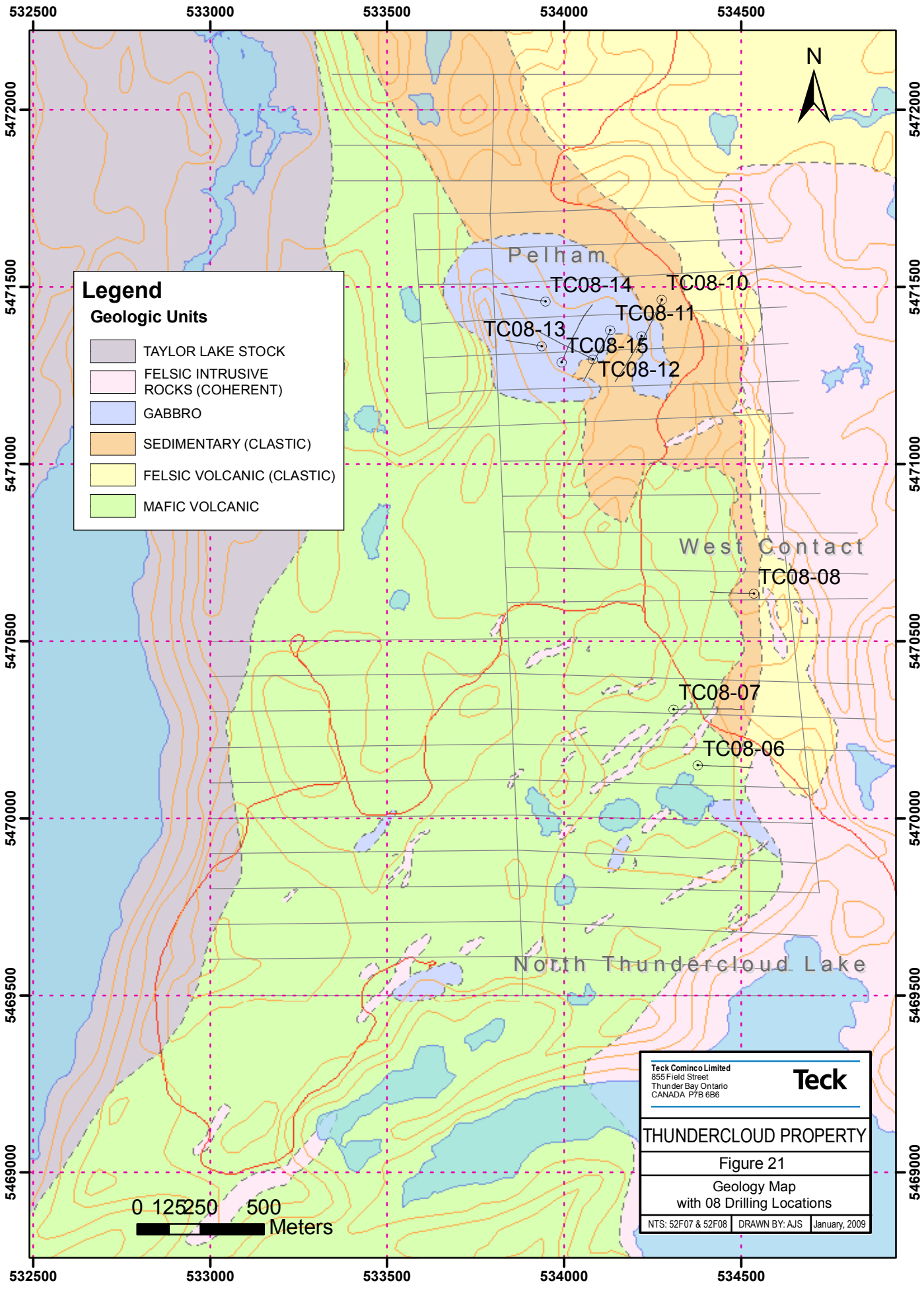
Meters
Teck Cominco Limited
855 Field Street
Thunder Bay Ontario
CANADA P7B 6B6
Teck
THUNDERCLOUD PROPERTY
Figure 20
Magnetics Reduced to Pole
NTS: 52F07 & 52F08
DRAWN BY: AJS
January, 2009

2008 Drilling Program

This is the second consecutive year of drilling by Teck. A total of 1,459 meters was drilled during the 2007 program (Figure 21). The 2008 program consisted of 2530m of drilling in 10 holes named TC08- 06, 07, 08, 09, 10, 11, 12, 13, 14 and 15; note the hole numbering was continued from last year's final hole (TC07-05). Results from the 2008 ground and trenching program aided in identifying targets for the 2008 diamond drill program. Morris Drilling based out of Sudbury, Ontario was the drilling contractor. They used a Boyles 38 on skids and NQ core size. Drilling commenced on September 24th and was completed on October 29th, 2008. Overall drill production was 66m/day with only a few mechanical/logistical problems including the waterline freezing on TC08-15, the bulldozer losing its track on the move to TC08-08, and again on the move to TC08-13.

Drilling in 2008 was mainly focused on the Pelham area. All but 3 holes were drilled in this area. The holes were drilled to test a number of types of targets outlined by surface work (geological/geochemical) and supported by geophysics (magnetic/ I.P.). All the drill holes are considered early stage in nature and were designed to determine patterns of gold mineralization in the subsurface. Drill core was logged by Lorraine Tam and Andrew Shannon at the old Viking restaurant on highway 17 east of Dinorwic. Diamond drill logs are found in Appendix II. Drill data is also presented in strip logs (Figures 22 to 41) and cross-sections with drill hole traces shown are found in attached folder. All drill core is stored at Teck's drill core logging and storage facility near the Snake Bay junction east of Dryden.

A total of 1327 samples of halved core (using a rock saw) were shipped to ALS Labs in Thunder Bay, Ontario for analysis of Au, and an ICP-MS 61 element suite (Appendix III). A total of 79 blanks, 78 standards, 77 quarter split duplicates and 55 crusher duplicates were inserted systematically into the sample stream as part of quality control. All blanks returned below detection levels (<5 ppb for Au) as expected for these samples. Complete analytical results for this program were received from ALS by December, 2008.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Legend
Geologic Units
TAYLOR LAKE STOCK
FELSIC INTRUSIVE ROCKS (COHERENT)
GABBRO
SEDIMENTARY (CLASTIC)
FELSIC VOLCANIC (CLASTIC)
MAFIC VOLCANIC
Pelham
TC08-14
TC08-10
TC08-11
TC08-13
TC08-15
TC08-12
West Contact
TC08-08
TC08-07
TC08-06
North Thundercloud Lake
0 125250 500
Meters
Teck Cominco Limited
855 Field Street
Thunder Bay Ontario
CANADA P7B 6B6
Teck
THUNDERCLOUD PROPERTY
Figure 21
Geology Map
with 08 Drilling Locations
NTS: 52F07 & 52F08
DRAWN BY: AJS
January, 2009

Table 3: Summary of 2008 Drill holes

Drill Hole	Easting	Northing	Elevation (m)	Azimuth	Dip	Total Length (m)	Date Started
TC08-06	534377	5470150	469	90	-50	247.00	9/24/2008
TC08-07	534309	5470308	468	90	-50	302.00	9/27/2008
TC08-08	534535	5470635	446	270	-60	242.00	10/2/2008
TC08-09	534218	5471362	455	200	-60	296.00	10/6/2008
TC08-10	534275	5471464	451	200	-60	308.00	10/10/2008
TC08-11	534130	5471378	451	200	-60	251.00	10/14/2008
TC08-12	534081	5471296	460	300	-47	251.00	10/18/2008
TC08-13	533936	5471333	466	280	-50	157.00	10/21/2008
TC08-14	533947	5471460	459	280	-50	194.00	10/23/2008
TC08-15	533992	5471288	464	30	-50	293.00	10/26/2008

Results of 2008 Drilling

Below is a summary of selected composite intervals for the 2008 drill holes (Table 5) followed by description and discussion of each drill hole.

Table 4: Summary of Assay Results from 2008 Drill holes

Hole	From (m)	To (m)	Interval (m)	Au (g/t)	Ag (g/t)
TC08-06	22.00	24.00	2.00	2.69	48.90
	50.00	146.00	96.00	0.08	1.69
incl.	115.00	134.75	19.75	0.16	3.20
	144.75	146.00	1.25	1.39	3.54
	209.21	211.84	2.63	0.45	10.65
TC08-07	233.72	235.22	1.50	0.93	4.88

Hole	From (m)	To (m)	Interval (m)	Au (g/t)	Ag (g/t)
TC08-08	56.00	57.00	1.00	0.71	3.04
	106.00	110.18	4.18	0.46	2.14
	155.00	156.00	1.00	1.24	11.10
	193.51	194.99	1.48	0.56	0.64
TC08-09	62.85	146.93	84.08	0.66	0.42
incl.	117.27	146.93	29.66	0.77	0.52
incl.	62.85	78.72	15.87	2.02	1.01
incl.	136.41	145.45	9.04	2.12	1.13
TC08-10	148.00	227.44	79.44	0.62	0.45
incl.	157.00	158.50	1.50	4.96	1.52
incl.	159.84	161.00	1.16	2.95	1.27
incl.	190.00	192.02	2.02	2.03	0.83
TC08-11	75.01	163.10	88.09	1.30	0.82
incl.	64.44	119.96	55.52	2.19	1.25
incl.	75.01	96.74	21.73	4.63	2.14
incl.	75.01	84.35	9.34	7.91	2.64
incl.	75.01	76.00	0.99	37.50	7.45
incl.	76.00	77.00	1.00	8.92	2.41
incl.	82.00	83.00	1.00	13.60	2.69
incl.	89.52	90.52	1.00	4.37	2.46
	118.65	119.96	1.31	4.91	0.68
TC08-12	21.00	44.00	23.00	0.48	0.81
incl.	34.00	40.75	6.75	1.05	1.26
TC08-13	38.72	48.69	9.97	0.56	1.04
incl.	47.69	48.69	1.00	1.93	2.49
	69.35	70.24	0.89	1.07	0.63
	81.47	91.56	10.09	0.28	0.35
	123.43	127.43	4.00	0.75	0.42
TC08-14				NSV	NSV
TC08-15	24.04	29.24	5.20	1.02	3.84
	246.77	270.61	23.84	0.48	0.93
incl.	262.48	269.75	8.13	0.70	1.19

Drill Hole TC08-06

This was the first hole of the 2008 drilling program. The collar is located on the top of a hill at the east end of trench 1. This hole was designed to test the QFP-sediment-mafic contact which is interpreted to be trending N-S in this area. The area that this hole targets is below the Glatz "Zone 1" which is an area that was exposed by Alex Glatz in 2006. Stripping and trenching of the area returned assay values including 3.28g/t Au, 3.28g/t Au and ten ~1g/t Au samples. In addition to the historic results, Teck's 2007 ground program revealed higher grade mineralization at surface with 5.11g/t and 9.42g/t Au samples. The results of IP show that this target is on the edge of a shallow chargeable feature, likely a contact.

The drillhole was collared in fine to medium grained coherent mafic volcanic rock with local plagioclase phenocrysts (0.2 to 1.5cm). The color ranges from light green to dark green-black. The upper part of this hole to 60.32m has local silica or epidote alteration and pervasive chlorite alteration. Overall these mafic volcanic rocks are relatively fresh, but are cut by numerous randomly oriented calcite veinlets that are both anastomosing and planar. From the top of the hole to 60.32m, very few sulphides are observed with the exception of local pyrite clots (5-10%) associated with calcite veins. A number of samples in this mafic volcanic interval were anomalous for gold and silver with a result of 2m at 2.69g/t Au and 48.9g/t Ag. This sample came from an area that had strong patchy calcite alteration as well as pyrite (up to 15%) associated with calcite veins. Aside from the single high grade sample there was no other sample above 0.4g/t Au in this interval, but there were two samples over 1g/t Ag, both of which are associated with calcite alteration and veining.

Downhole, a gabbro unit (60.32 to 95.06m) separates the mafic rocks from the clastic sedimentary and felsic rocks. This gabbro is generally medium grained with minor fine grained sections. It is fairly homogenous in texture and has interlocking plagioclase and chlorite altered pyroxene crystals throughout. Sulphides are locally observed with pyrite ranging in abundance from trace to 0.5% and locally up to 5%. No sharp contacts are observed up or downhole.

From the lower contact of the gabbro to 155.37m, a variety of compositions and textures of volcano-sedimentary rocks are observed. There are fine grained chloritic

sediments that appear compositionally similar to the mafic volcanic rocks up hole, in addition to intermediate to felsic volcaniclastic intervals that contain small, pale aphanitic (felsic) and grey/black (intermediate) clasts. A minor aphanitic siliceous felsic volcanic unit is observed with sub angular to angular clasts (2 cm or less) which is interpreted as a debris flow. Overall these rocks are weakly hydrothermally altered with pervasive silica, weak sericite, and biotite alteration adjacent to the gabbro contact.

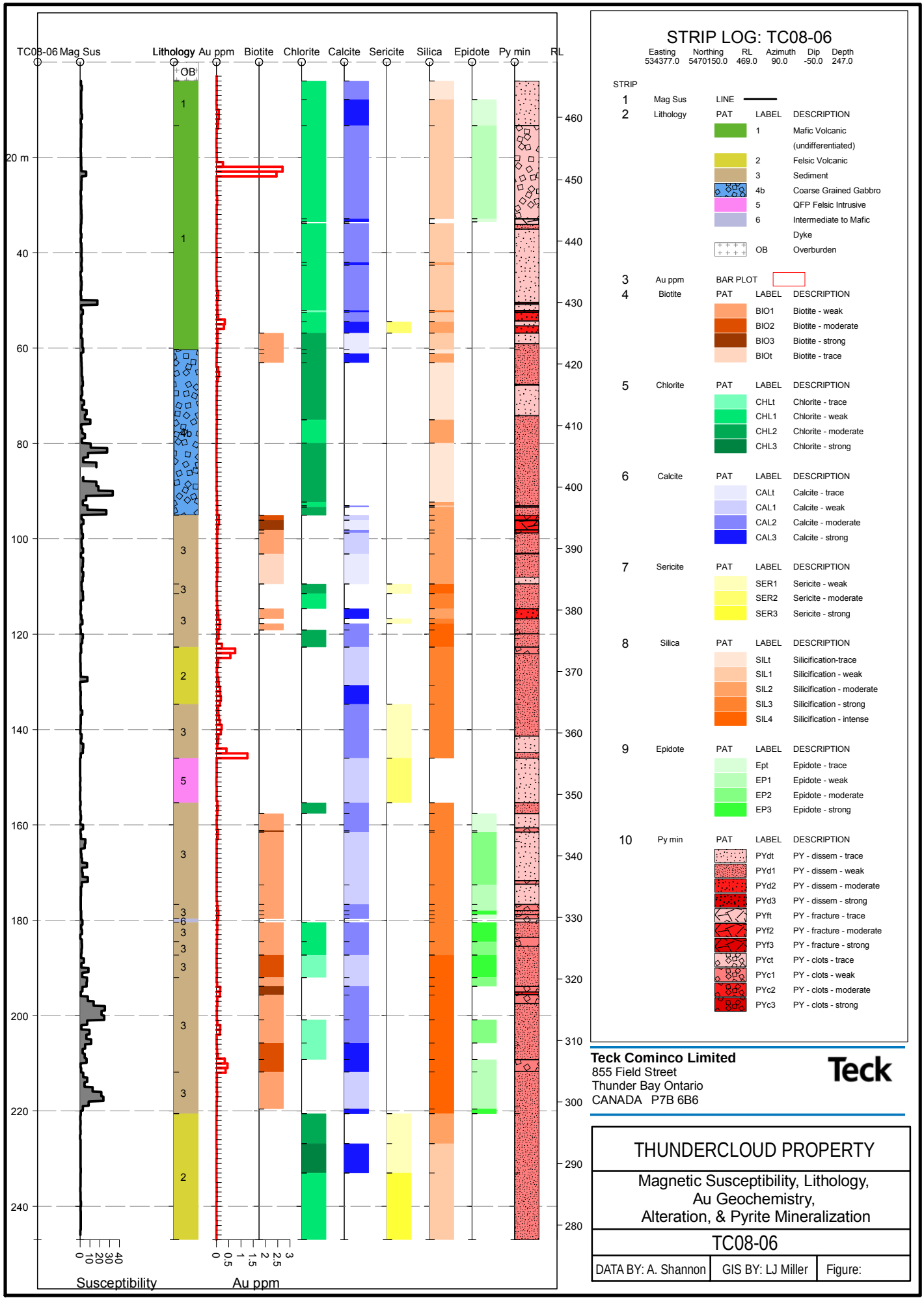
Quartz poor QFP intrudes the volcano-sedimentary succession. It has a dark grey to beige locally mottled appearance. It is locally phenocryst rich and has subhedral to euhedral feldspar phenocrysts with local rounded quartz up to 2 mm. This unit has only trace disseminated pyrite and no anomalous gold values. A sample taken on the margine of the dyke has 1.25m at 1.38g/t Au & 3g/t Ag and is associated with increased calcite alteration.

Much of the lower part of the hole (155.37 to 220.53m) is dominated by fine grained chloritic (mafic?) sediments. Local (4cm) clasts are observed and are made up of aphanitic and porphyritic felsics but no obvious QFP clasts. There are zones with plagioclase crystals below 180m. This unit has stronger epidote alteration as opposed to typical chlorite observed in the rest of the hole. Weak pervasive and locally strong biotite alteration is found with the abundant epidote found in thin veins and patches. There are thin (<2m) sulphide zones (1-5%pyrite) associated with biotite and/or calcite that carry anomalous Ag but no Au. The best assay included a sample of 0.45g/t Au and 10.65g/t Ag appears to be associated with increased biotite and calcite alteration.

The end of the hole (below 220.53m) contains a relatively homogenous clastic felsic volcanic unit, it contains abundant feldspar phenocrysts (locally up to 5mm). The feldspars are weakly sericite altered and locally calcite is associated with pyrite. There is pervasive chlorite and sericite alteration with only trace pyrite and no significant assay results.

This hole successfully tested this target. I.P., ground magnetics and surface geology suggest a change in lithologies from basalt in the west to felsic volcanics to the east. This relationship was confirmed by the drillhole. The anomalous geochemical results on surface were seen in this hole but had limited continuity at depth. The best assay results are associated with sulphides; calcite alteration and veining, but there are

a great deal of barren calcite veinlets in this hole. In this area, calcite alteration and veinlets with (>4%) sulphides are prospective for mineralization. This area and drillhole is unique because it has the highest Ag samples on the property and has long intervals of anomalous Ag values that broadly correlate with Au.



STRIP LOG: TC08-06

Easting	Northing	RL	Azimuth	Dip	Depth
534377.0	5470150.0	469.0	90.0	-50.0	247.0

STRIP

1 Mag Sus — LINE

2 Lithology

PAT	LABEL	DESCRIPTION
	1	Mafic Volcanic (undifferentiated)
	2	Felsic Volcanic
	3	Sediment
	4b	Coarse Grained Gabbro
	5	QFP Felsic Intrusive
	6	Intermediate to Mafic Dyke
	OB	Overburden

3 Au ppm — BAR PLOT

4 Biotite

PAT	LABEL	DESCRIPTION
	BIO1	Biotite - weak
	BIO2	Biotite - moderate
	BIO3	Biotite - strong
	BIOt	Biotite - trace

5 Chlorite

PAT	LABEL	DESCRIPTION
	CHLt	Chlorite - trace
	CHL1	Chlorite - weak
	CHL2	Chlorite - moderate
	CHL3	Chlorite - strong

6 Calcite

PAT	LABEL	DESCRIPTION
	CALt	Calcite - trace
	CAL1	Calcite - weak
	CAL2	Calcite - moderate
	CAL3	Calcite - strong

7 Sericite

PAT	LABEL	DESCRIPTION
	SER1	Sericite - weak
	SER2	Sericite - moderate
	SER3	Sericite - strong

8 Silica

PAT	LABEL	DESCRIPTION
	SILt	Silicification-trace
	SIL1	Silicification - weak
	SIL2	Silicification - moderate
	SIL3	Silicification - strong
	SIL4	Silicification - intense

9 Epidote

PAT	LABEL	DESCRIPTION
	Ept	Epidote - trace
	EP1	Epidote - weak
	EP2	Epidote - moderate
	EP3	Epidote - strong

10 Py min

PAT	LABEL	DESCRIPTION
	PYdt	PY - dissem - trace
	PYd1	PY - dissem - weak
	PYd2	PY - dissem - moderate
	PYd3	PY - dissem - strong
	PYft	PY - fracture - trace
	PYf2	PY - fracture - moderate
	PYf3	PY - fracture - strong
	PYct	PY - clots - trace
	PYc1	PY - clots - weak
	PYc2	PY - clots - moderate
	PYc3	PY - clots - strong

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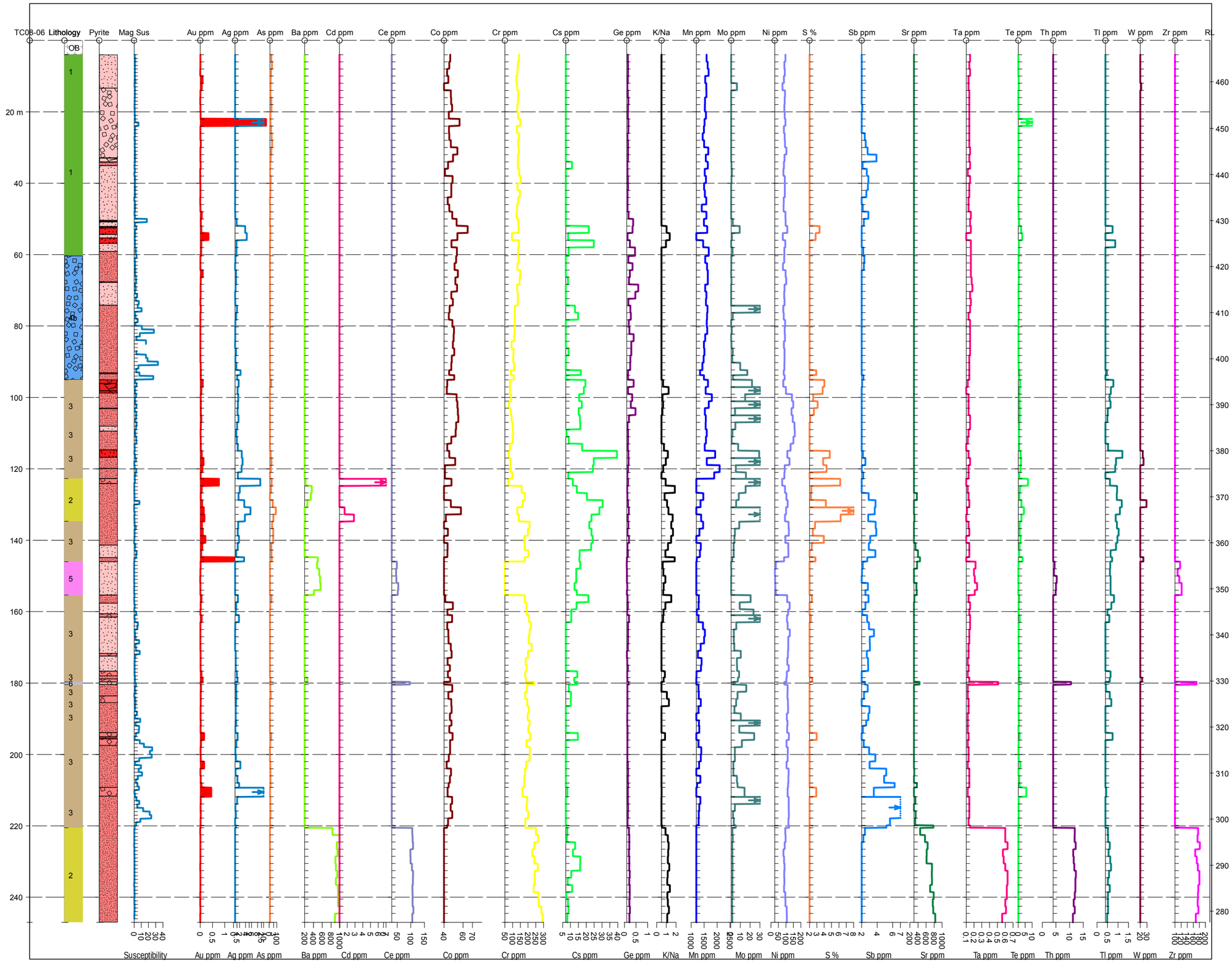
Magnetic Susceptibility, Lithology,
Au Geochemistry,
Alteration, & Pyrite Mineralization

TC08-06

DATA BY: A. Shannon	GIS BY: LJ Miller	Figure:

December 11, 2008



STRIP LOG: TC08-06

Easting	Northing	RL	Azimuth	Dip	Depth
534377.0	5470150.0	469.0	90.0	-50.0	247.0

STRIP

1 Lithology

PAT	LABEL	DESCRIPTION
	1	Mafic Volcanic (undifferentiated)
	2	Felsic Volcanic
	3	Sediment
	4b	Coarse Grained Gabbro
	5	QFP Felsic Intrusive
	6	Intermediate to Mafic Dyke
	OB	Overburden

2 Pyrite

PAT	LABEL	DESCRIPTION
	PYdt	PY - dissem - trace
	PYd1	PY - dissem - weak
	PYd2	PY - dissem - moderate
	PYd3	PY - dissem - strong
	PYft	PY - fracture - trace
	PYf2	PY - fracture - moderate
	PYf3	PY - fracture - strong
	PYct	PY - clots - trace
	PYc1	PY - clots - weak
	PYc2	PY - clots - moderate
	PYc3	PY - clots - strong

3	Mag Sus	LINE
4	Au ppm	LINE
5	Ag ppm	LINE
6	As ppm	LINE
7	Ba ppm	LINE
8	Cd ppm	LINE
9	Ce ppm	LINE
10	Co ppm	LINE
11	Cr ppm	LINE
12	Cs ppm	LINE
13	Ge ppm	LINE
14	K/Na	LINE
15	Mn ppm	LINE
16	Mo ppm	LINE
17	Ni ppm	LINE
18	S %	LINE
19	Sb ppm	LINE
20	Sr ppm	LINE
21	Ta ppm	LINE
22	Te ppm	LINE
23	Th ppm	LINE
24	Tl ppm	LINE
25	W ppm	LINE
26	Zr ppm	LINE

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STRIP LOG: GEOCHEMISTRY		
TC08-06		
2008 DRILLING PROGRAM		
DATA BY: A.SHANNON	GIS BY: LJ MILLER	FIGURE:

Drill Hole TC08-07

This hole had a similar target to TC08-06 and was collared near contact of QFP-sedimentary-mafic contact. The pad was west of thundercloud road and was drilled under the road and under Glatz's "Area 6". This hole tested the over five 1-5g/t Au assays from Glatz's "Area 6" as well as the edge of a chargeability and magnetic high. This was the first hole to potentially connect the Glatz "Zone 1" (TC08-06) to the south, with the Armstrong showing to the north.

The top third of the hole is dominated by a polymictic quartz-feldspar porphyritic volcaniclastic unit with several facies. Overall, it is light grey to medium brown grey in colour with a slightly mottled appearance. Clasts are either QFP or aphanitic felsic and are angular to sub angular. Quartz grains vary from sections of euhedral grains to a mix of rounded or broken grains, and range in size from 1 to 12 mm. Feldspar grains are generally angular but some are rounded and range in size from less than 1 mm up to 6mm. The clasts and phenocrysts are set in a very hard fine grained ash matrix. The alteration in this unit is generally weak and consists of pervasive weak calcite alteration and local weak chlorite and biotite alteration. Silica alteration is identified as moderate to strong throughout the interval but in retrospect this hardness may be a primary feature and not a product of alteration. There are no anomalous assays in the top third of the hole and only trace pyrite is observed with local sections of 0.5% pyrite.

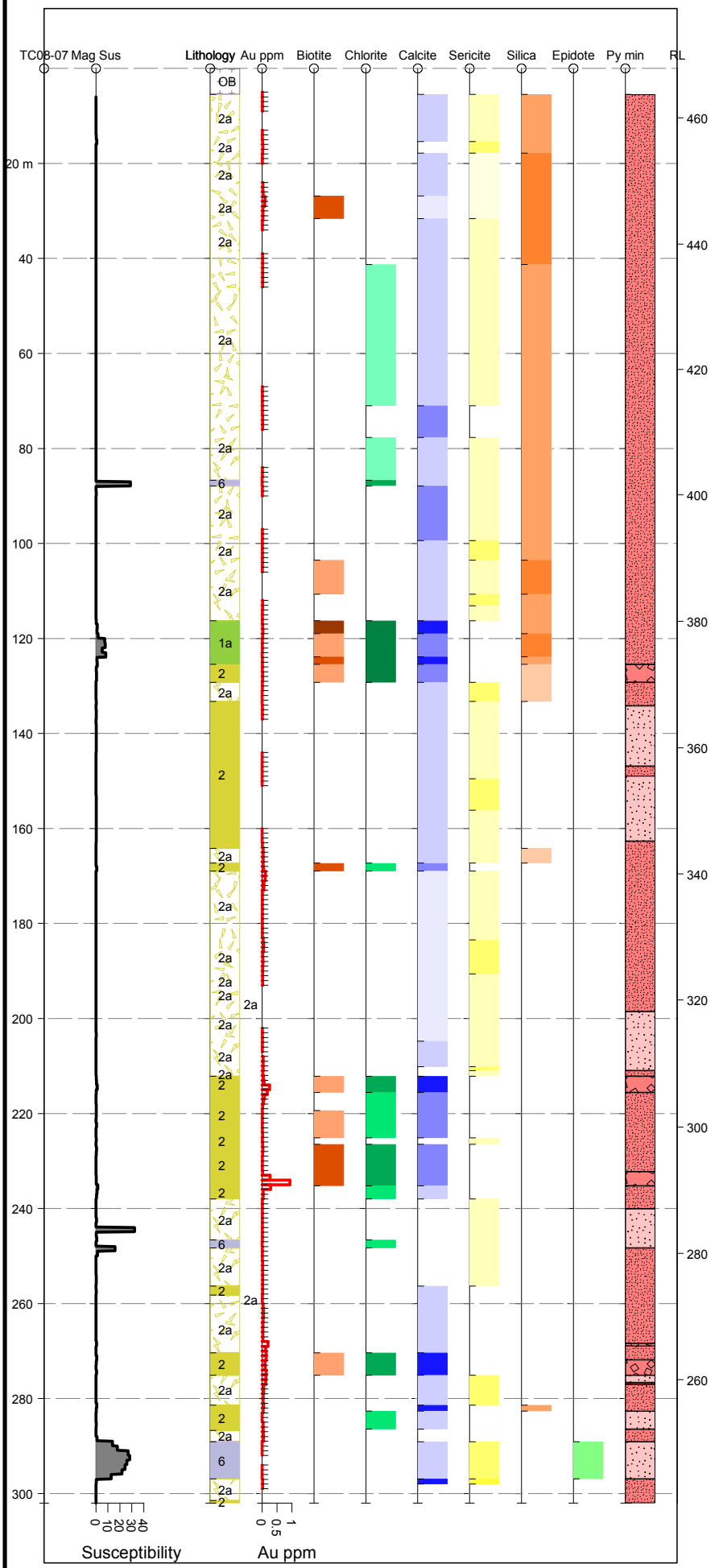
A small unit of basalt is found within the felsic volcanic succession (116.29 to 125.43m). This basalt is grey to green-black in color with evident pillow selvages that have been strongly chloritized. The upper and lower contacts of this unit are sharp. This unit consists of moderate to strong pervasive silicification and variable amounts of chlorite, biotite and calcite alteration. The intensity of the alteration changes and gradationally becomes weaker downhole, but increases at sharp lithologic/facies contacts. The basalt has very fine disseminate pyrite as well as local pyrite clots. There are no corresponding Au assays but this unit has several Ag assay close to 0.5g/t.

The second half of the hole is made up of three rock types that are interbedded. The first is similar to the polymictic quartz-feldspar porphyritic volcaniclastic seen in the

top of the hole, the second is quartz feldspar crystal rich volcaniclastic and the third is a felsic-intermediate volcanic conglomerate. The polymictic quartz-feldspar porphyritic volcaniclastic in the lower part of the hole is virtually identical to that above with characteristic QFP clasts and locally large euhedral quartz phenocrysts. The feldspar crystal-rich volcaniclastic contains anhedral to subhedral feldspars that range in size from <1 to 5mm. Local grains of rounded quartz are observed. These phenocrysts are set in an ash and feldspar-rich matrix. Rare hints of clasts appear to be felsic. This interval contains little alteration and has pervasive trace to weak sericite and calcite alteration and a zone of weak biotite and chlorite between 212.16 and 237.96m. The second half of the hole has very few sulphides with only trace pyrite observed. There are a few exceptions including a couple of small intervals (e.g. 232.2 to 235.2m) that contain 2-5% pyrite in 1 to 2mm strained clots. This interval corresponds to 1.5m at 0.934g/t Au and 4.88g/t Ag.

A 7m wide weakly magnetic mafic-intermediate dyke cut the volcanic secession near the bottom of the hole. It is amphibole and feldspar porphyritic and has epidote and sericite alteration and contains no pyrite.

This hole tested a surface geochemical anomaly and the QFP-sedimentary-mafic contacts. This hole did not encounter assay values similar to those found on surface aside from one sample mentioned above, nor did it intersect the contact. The top of the hole encountered the QFP volcaniclastics which means that the sedimentary-mafic contact is to the west of the collar location. This demonstrates the complexity of the contact between the underlying mafic volcanics and the sedimentary-felsic succession. The reason for this may be primary paleotopography but is more likely a result of faulting which is not seen in drill core but is interpreted from the magnetic and I.P. results.



STRIP LOG: TC08-07

Easting	Northing	RL	Azimuth	Dip	Depth
534309.0	5470308.0	468.0	90.0	-50.0	302.0

STRIP				
1	Mag Sus	LINE		
2	Lithology	PAT	LABEL	DESCRIPTION
			1a	Pillowed Basalt +/- Vavioles
			2	Felsic Volcanic
			2a	QFP Debris Flow/ Breccia
			6	Intermediate to Mafic Dyke
			OB	Overburden
3	Au ppm	BAR PLOT		
4	Biotite	PAT	LABEL	DESCRIPTION
			BIO1	Biotite - weak
			BIO2	Biotite - moderate
			BIO3	Biotite - strong
5	Chlorite	PAT	LABEL	DESCRIPTION
			CHLt	Chlorite - trace
			CHL1	Chlorite - weak
			CHL2	Chlorite - moderate
			CHL3	Chlorite - strong
6	Calcite	PAT	LABEL	DESCRIPTION
			CALt	Calcite - trace
			CAL1	Calcite - weak
			CAL2	Calcite - moderate
			CAL3	Calcite - strong
7	Sericite	PAT	LABEL	DESCRIPTION
			SERt	Sericite - trace
			SER1	Sericite - weak
			SER2	Sericite - moderate
			SER3	Sericite - strong
8	Silica	PAT	LABEL	DESCRIPTION
			SIL1	Silicification - weak
			SIL2	Silicification - moderate
			SIL3	Silicification - strong
9	Epidote	PAT	LABEL	DESCRIPTION
			EP2	Epidote - moderate
10	Py min	PAT	LABEL	DESCRIPTION
			PYdt	PY - dissem - trace
			PYd1	PY - dissem - weak
			PYc1	PY - clots - weak
			PYc2	PY - clots - moderate

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Magnetic Susceptibility, Lithology,
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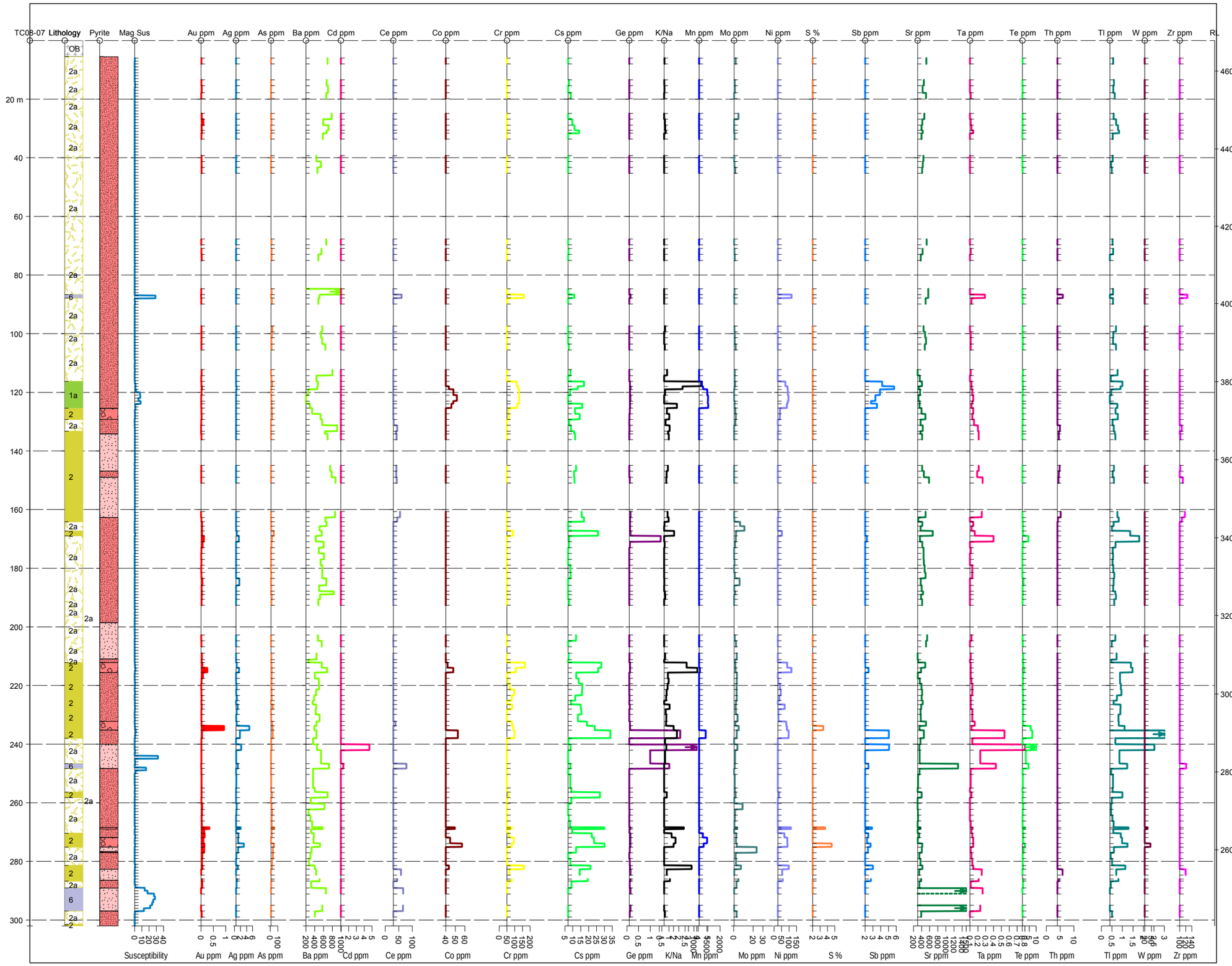
Alteration, & Pyrite Mineralization

TC08-07

DATA BY: A. Shannon	GIS BY: LJ Miller	Figure:

December 11, 2008



STRIP LOG: TC08-07

Easting	Northing	RL	Azimuth	Dip	Depth
534309.0	5470308.0	468.0	90.0	-50.0	302.0

STRIP		PAT	LABEL	DESCRIPTION
1	Lithology		1a	Pillowed Basalt +/- Vavioles
			2	Felsic Volcanic
			2a	QFP Debris Flow/ Breccia
			6	Intermediate to Mafic Dyke
			OB	Overburden

		PAT	LABEL	DESCRIPTION
2	Pyrite		PYdt	PY - dissem - trace
			PYd1	PY - dissem - weak
			PYc1	PY - clots - weak
			PYc2	PY - clots - moderate

3	Mag Sus	LINE	
4	Au ppm	LINE	
5	Ag ppm	LINE	
6	As ppm	LINE	
7	Ba ppm	LINE	
8	Cd ppm	LINE	
9	Ce ppm	LINE	
10	Co ppm	LINE	
11	Cr ppm	LINE	
12	Cs ppm	LINE	
13	Ge ppm	LINE	
14	K/Na	LINE	
15	Mn ppm	LINE	
16	Mo ppm	LINE	
17	Ni ppm	LINE	
18	S %	LINE	
19	Sb ppm	LINE	
20	Sr ppm	LINE	
21	Ta ppm	LINE	
22	Te ppm	LINE	
23	Th ppm	LINE	
24	Tl ppm	LINE	
25	W ppm	LINE	
26	Zr ppm	LINE	

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STRIP LOG: GEOCHEMISTRY		
TC08-07		
2008 DRILLING PROGRAM		
DATA BY: A.SHANNON	GIS BY: LJ MILLER	FIGURE:

Drill Hole TC08-08

This hole had the same target as TC07-05 which was to test the QFP-sedimentary-mafic contacts. Hole TC07-05 was drilled from west to east and encountered a QFP dyke for much of the hole. Therefore, drilling this contact from the east to west was concluded to be a better orientation. This area has numerous encouraging samples including trench 2 with 39.0 m at 8.02 g/t Au as well as 3m at 89.4 g/t Au & 1985 g/t from Teck 2007. The hole was collared south of Armstrong showing and drilled under Trench 2 and Glatz "Zone 5" informally known as the “whaleback outcrop".

This hole was collared in a polymictic pebble conglomerate that is a mottled beige-green-brown color. This unit is observed as clast and matrix supported, with clasts ranges in size from 0.2 to 3cm and is interbedded with feldspar porphyritic volcaniclastics down to 20.14m. The conglomerate facies contain felsic (aphanitic and plagioclase porphyritic) and mafic, (commonly altered to biotite, brown) clasts with a hard matrix of silica and chlorite. The feldspar porphyritic rocks are affected by sericite and the conglomerate has moderate silica alteration and moderate to high degrees of calcite, biotite and chlorite alteration. There are few sulphides with zones of pyrite up to 1%. Pyrite also selectively replaces clasts but no Au values are associated with these conglomerates.

Below the conglomerate is a succession of silty to muddy chloritic sedimentary rocks. These rocks are typically green with patches of purple/brown and generally have silty to muddy grain sizes and are mafic in composition. Overall this rock appears coherent hence could be misidentified as a mafic volcanic. However, numerous clasts are present and it is interbedded with conglomerate. This conglomerate is similar to that seen at the top of the hole. At 42.24m a quartz feldspar porphyritic volcaniclastic is found interbedded with the chloritic sediments. This unit grades into a QFP which has rounded and broken quartz phenocrysts up to 1.2 cm in diameter in a hard siliceous matrix.

At 58m depth, a 28m thick feldspar porphyritic volcaniclastic unit is observed. It is extremely homogenous in composition and has 20% crystals in a hard grey matrix. It

is locally crystal poor (5% crystals) and could possibly be a dyke but rare clasts are observed. It has weak to moderate calcite and sericite alteration with virtually no sulphides or Au values.

The middle part of the hole (86.69 to 162.10m) contains interbedded volcanic-sedimentary units similar to those seen above. This part of the hole is dominated by thick silty chloritic sedimentary rock believed to be mafic in composition, and has classic purple/brown biotite alteration ranging from intense to moderate, as well as rare calcite veins. It is fairly homogenous in colour. Rare ~20-30cm silica-calcite alteration zones associated with sulphides are also seen. There are two interbedded lithologies which include a volcaniclastic and a polymicitic conglomerate. The volcaniclastic is feldspar porphyritic and is made up of 25% clasts and phenocrysts with a mix of euhedral (tabular) plagioclase and larger clasts (0.4cm). The polymictic pebble conglomerate is similar to the intervals at the top of the hole but contain fewer felsic clasts. These rocks are affected by local intense biotite and chlorite alteration, weak to intense calcite alteration as well as silicification.

Below 162.10m is a unit of felsic feldspar porphyritic volcaniclastics. This interval contains subrounded and lesser tabular feldspar laths making up 10 to 24% of the rock. Rare small white quartz grains are observed. It is mottled, grey to beige in color, and is overall fairly homogenous. There is little alteration except for sericite selvages on barren veinlets and two meters of sheared felsic volcanics with strong biotite chlorite and silica alteration at the upper contact.

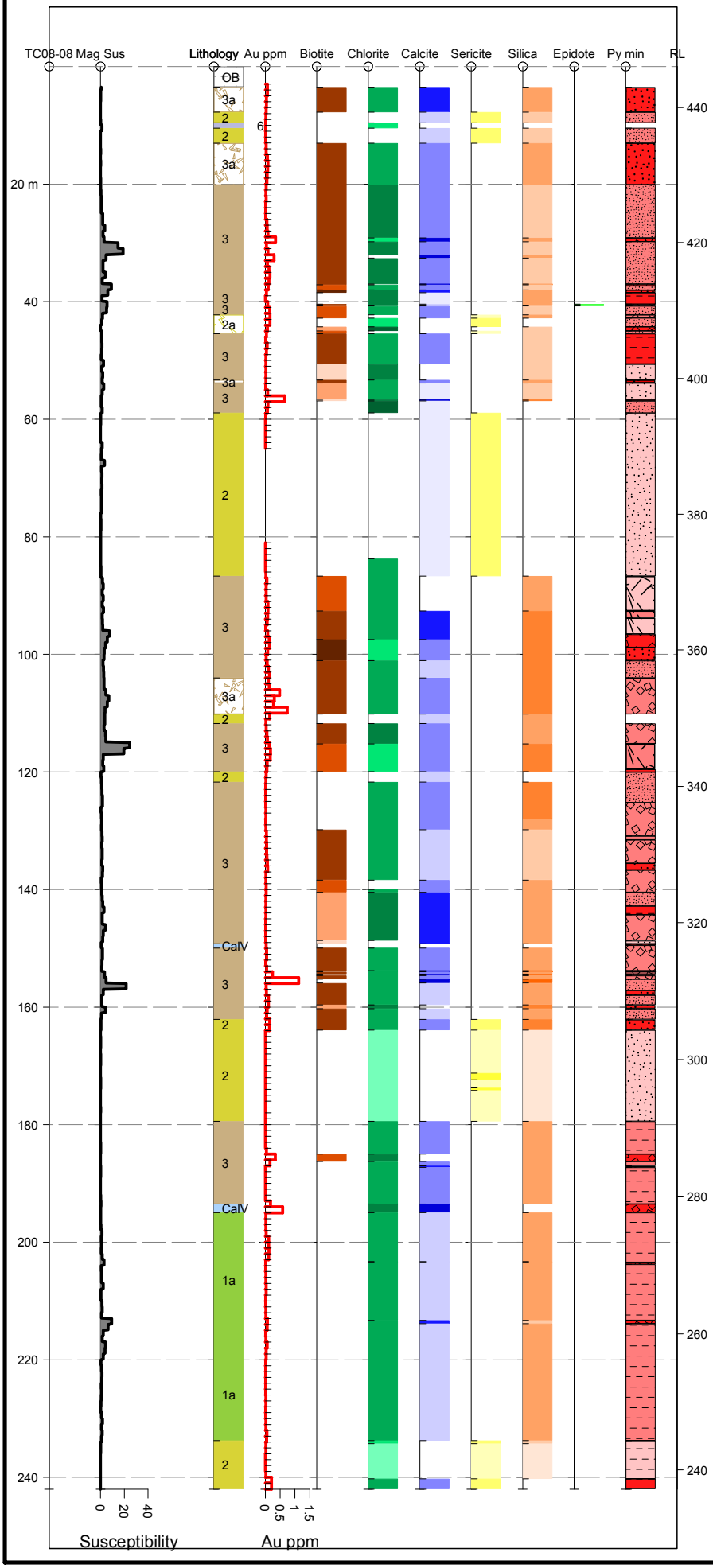
A unit similar to the chloritic sediments seen up hole is found between 179.41 and 193.51m. The majority of the interval is made up of soft dark green crystals but a local thin (<1m) conglomerate is found. There is weak moderate silica, chlorite and calcite alteration in this interval with chlorite veins and sulphides. The only anomalous assay is 0.34g/t Au and 7.72 g/t Ag. This sample is associated with a biotite altered conglomerate interbed.

A pillow basalts unit is separated from the unit above by a 1.5m wide calcite vein containing 0.56g/t Au and 0.64g/t Ag over 1.48m. The pillow basalt is dark grey to black in color with soft green chlorite altered selvages. This unit is amygdaloidal with pyrrhotite replacing hard white amygdaloidal (quartz or plagioclase), this unit also

becomes variolitic towards the end of the interval. Many of the varioles are replaced by silica making them harder and darker in color. There is also moderate chlorite-calcite veining with up to 2% pyrite but no anomalous Au values.

Below this unit (233.75m) is a felsic volcanic unit similar to that up hole and the contact with the basalts is transitional, altered and weakly strained. This unit was thought to be intrusive but chlorite altered clasts are locally found.

This hole tested the geochemical and the weak chargeability anomaly in the Armstrong area. The results of the this hole as well as last year's drill hole suggest that the geochemical signature at surface may be particularly localized or is controlled by a structure that we did not intersect with these holes and that we do not fully understand the orientation of it.



STRIP LOG: TC08-08

Easting	Northing	RL	Azimuth	Dip	Depth
534535.0	5470635.0	446.0	270.0	-60.0	242.0

STRIP				
1	Mag Sus	LINE		
2	Lithology	PAT	LABEL	DESCRIPTION
			1a	Pillowed Basalt +/- Vavioles
			2	Felsic Volcanic
			2a	QFP Debris Flow/ Breccia
			3	Sediment
			3a	Conglomerate
			6	Intermediate to Mafic Dyke
			CalV	Calcite Vein
			OB	Overburden
3	Au ppm	BAR PLOT		
4	Biotite	PAT	LABEL	DESCRIPTION
			BIO1	Biotite - weak
			BIO2	Biotite - moderate
			BIO3	Biotite - strong
			BIO4	Biotite - intense
			BIOt	Biotite - trace
5	Chlorite	PAT	LABEL	DESCRIPTION
			CHLt	Chlorite - trace
			CHL1	Chlorite - weak
			CHL2	Chlorite - moderate
			CHL3	Chlorite - strong
			CHL4	Chlorite - Intense
6	Calcite	PAT	LABEL	DESCRIPTION
			CALt	Calcite - trace
			CAL1	Calcite - weak
			CAL2	Calcite - moderate
			CAL3	Calcite - strong
			CAL4	Calcite - Intense
7	Sericite	PAT	LABEL	DESCRIPTION
			SER1	Sericite - weak
			SER2	Sericite - moderate
			SER3	Sericite - strong
8	Silica	PAT	LABEL	DESCRIPTION
			SILt	Silicification-trace
			SIL1	Silicification - weak
			SIL2	Silicification - moderate
			SIL3	Silicification - strong
			SIL4	Silicification - intense
9	Epidote	PAT	LABEL	DESCRIPTION
			EP3	Epidote - strong
10	Py min	PAT	LABEL	DESCRIPTION
			PYdt	PY - dissem - trace
			PYd1	PY - dissem - weak
			PYd2	PY - dissem - moderate
			PYd3	PY - dissem - strong
			PYvt	PY - veinlets - trace
			PYv1	PY - veinlets - weak
			PYv2	PY - veinlets - moderate
			PYft	PY - fracture - trace
			PYf1	PY - fracture - weak
			PYc1	PY - clots - weak
			PYc2	PY - clots - moderate

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Au Geochemistry,
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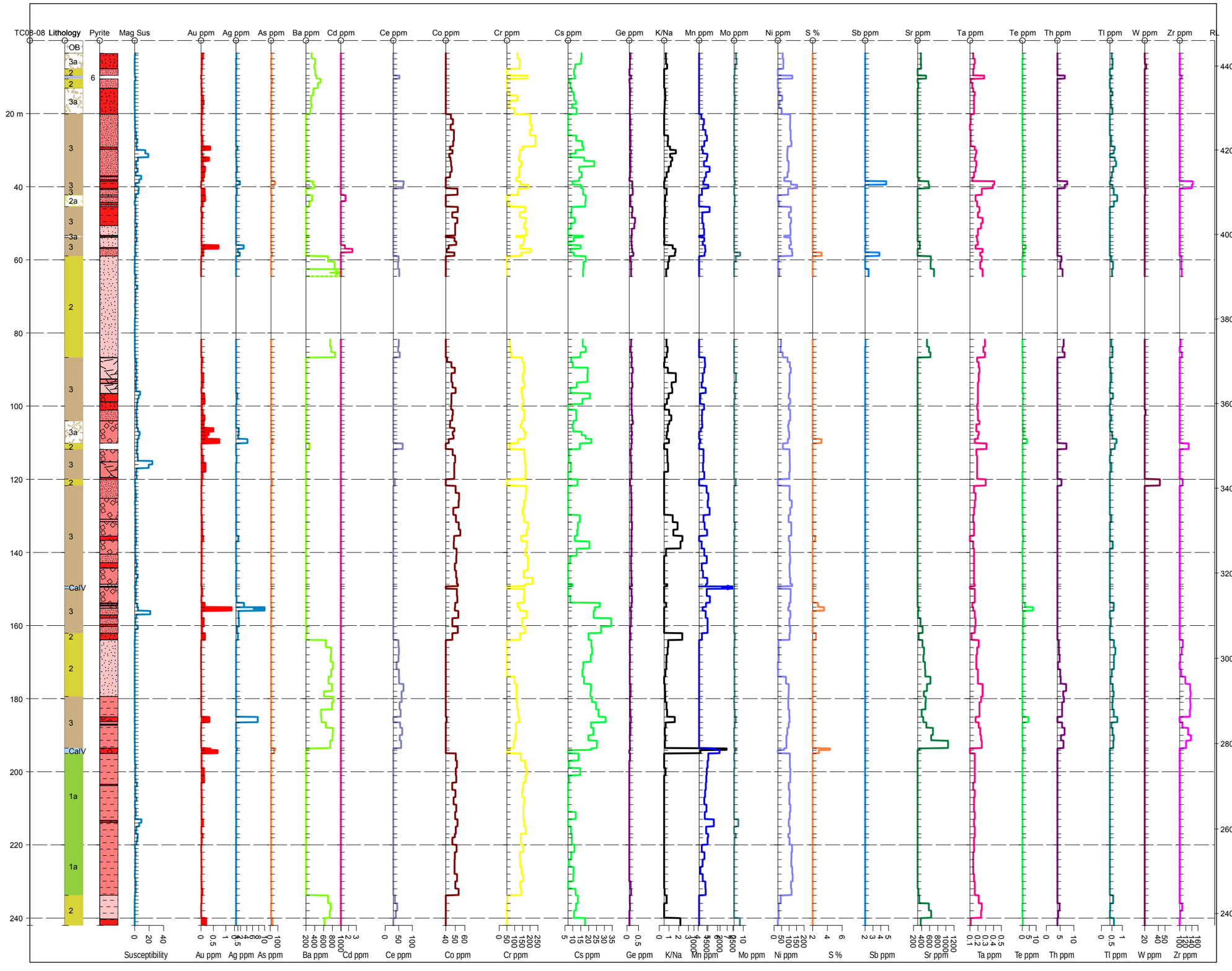
TC08-08

DATA BY: A. Shannon	GIS BY: LJ Miller	Figure:

December 11, 2008



STRIP LOG: TC08-08

Easting	Northing	RL	Azimuth	Dip	Depth
534535.0	5470635.0	446.0	270.0	-60.0	242.0

STRIP

1 Lithology

PAT	LABEL	DESCRIPTION
	1a	Pillowed Basalt +/- Vavioles
	2	Felsic Volcanic
	2a	QFP Debris Flow/ Breccia
	3	Sediment
	3a	Conglomerate
	6	Intermediate to Mafic Dyke
	CalV	Calcite Vein
	OB	Overburden

2 Pyrite

PAT	LABEL	DESCRIPTION
	PYdt	PY - dissem - trace
	PYd1	PY - dissem - weak
	PYd2	PY - dissem - moderate
	PYd3	PY - dissem - strong
	PYvt	PY - veinlets - trace
	PYv1	PY - veinlets - weak
	PYv2	PY - veinlets - moderate
	PYft	PY - fracture - trace
	PYf1	PY - fracture - weak
	PYc1	PY - clots - weak
	PYc2	PY - clots - moderate

3	Mag Sus	LINE
4	Au ppm	LINE
5	Ag ppm	LINE
6	As ppm	LINE
7	Ba ppm	LINE
8	Cd ppm	LINE
9	Ce ppm	LINE
10	Co ppm	LINE
11	Cr ppm	LINE
12	Cs ppm	LINE
13	Ge ppm	LINE
14	K/Na	LINE
15	Mn ppm	LINE
16	Mo ppm	LINE
17	Ni ppm	LINE
18	S %	LINE
19	Sb ppm	LINE
20	Sr ppm	LINE
21	Ta ppm	LINE
22	Te ppm	LINE
23	Th ppm	LINE
24	Tl ppm	LINE
25	W ppm	LINE
26	Zr ppm	LINE

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THUNDERCLOUD PROPERTY		
STRIP LOG: GEOCHEMISTRY		
TC08-08		
2008 DRILLING PROGRAM		
DATA BY: A.SHANNON	GIS BY: LJ MILLER	FIGURE:

Drill Hole TC08-09

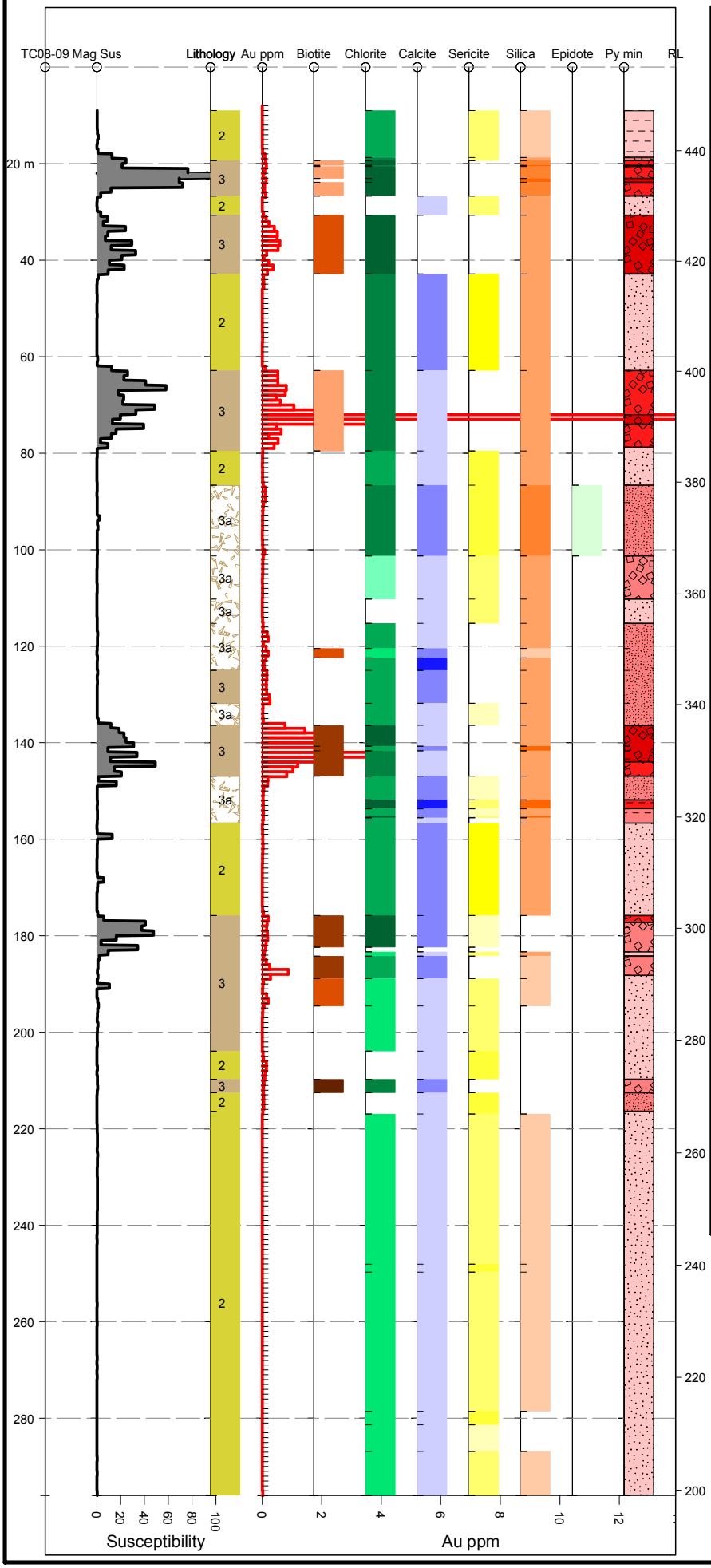
This hole was the first hole in the 2008 drilling program to test the Pelham area; specifically the Pelham “3 Zone”. Trench 11 intersected part of this zone and included 8.98m at 2.13g/t Au. Teck field grab samples of 2.3g/t and 9.3g/t were collected from near the collar location. This hole was drilled near a gabbro-sediment contact and drilled under trench 11. It also tested a strong chargeability anomaly that comes to surface to the south of the collar location.

The top quarter of the hole (to 86.63m) is composed of interbedded felsic volcanic and mafic derived sedimentary rocks. The mafic sedimentary rocks are made up of 3 beds of medium to fine grained sandstone with minor siltstone. These mafic sedimentary rocks are highly altered and strongly magnetic, containing pyrrhotite and possibly magnetite. This unit may be confused with a mafic intrusive due to its texture, but local small quartz grains and rare clastic intervals are observed throughout and thus it is being classified as sedimentary rock. Chlorite veinlets are often highly magnetic and quartz veinlets are non magnetic. This unit also has strong to moderate foliation of 30^{o} to 50^{o} to core axis. This unit is very dark in color with intense chlorite and biotite alteration pervasively affecting this rock. The sulphides observed include pyrrhotite between trace and 1% and pyrite usually between 2 to 5%. Locally the most highly altered sections include 5 to 15% pyrite bands aligned with the foliations. These most highly altered intervals contain single samples up to 18g/t Au, and grades 15.87m at 2.02g/t Au and 1.01g/t Ag. Gradational contacts with the intercalated felsic volcaniclastic units are locally seen. Increasing feldspar crystal content in a sandy mafic matrix is seen toward the end of the intervals. The intercalated felsic volcaniclastic is spotted white to light green in colour and locally contains quartz. Chlorite locally replaces crystals/clasts but the pervasive alteration is sericite cut by numerous chlorite, calcite and silica veins with pale colour sericite-silica vein selvages. This interval is locally well foliated at ~25^{o} to core axis with the veining preferentially orientated along the same plane. The felsic volcaniclastic have virtually no consistent Au values <0.01g/t.

The middle portion of this hole, 86.63 to 212.55m, is defined by a series of conglomerates with intercalations of three 5 to 30m wide mafic sedimentary beds. The conglomerates are polymictic and have a variety of sub angular to rounded clasts aligned with a foliation that is ~35^{o} to core axis. These units are typically matrix supported, locally clast poor, with clasts dominated by aphanitic felsic clasts and lesser QFP and fine grained mafic clasts. There is significant variability within these units with different clast abundances and matrix compositions. This interval is affected by a number of alteration types; the most notable calcite, chlorite and quartz veinlets with local sericite selvages. There are little sulphides or Au values associated with this lithology in this hole. The interbedded fine grained sandstone of mafic composition is highly magnetic and magnetite is observed in dark grey bands. This unit also contains local quartz grains and clasts. It has contacts between the conglomerate and mafic sandstone is gradational. This unit is highly affected by chlorite and biotite alteration and lesser silica alteration. There are little sulphides in one of the beds but the other (136.41m to 146.93m) has 5 to 20% pyrite occurring as strained clots. This sulphide rich zone corresponds to a 9.04m at 2.12g/t Au & 1.13g/t Ag with a single sample of 3.99g/t Au.

The end of the hole (212.55m to 296m) is made up of a feldspar +/- quartz crystals volcaniclastic. This unit is medium grey in color with patchy yellow-grey sericitized areas. Abundant feldspar crystals range in size from <1 mm to 2 mm that are rounded with rare >2 mm tabular crystals. The alteration that affects these rocks is weak chlorite and moderate to strong sericite alteration, with minor calcite-chlorite-silica veinlets. There is an absence of sulphides with the exception of some clots in veins, and no gold values are found in the end of the hole.

This hole tested the geochemical, geological and I.P. chargeability target. It intersected lithologies as well as alteration and mineralization that are consistent with surface data. From this data it is clear that in this hole there is a correlation between Au, magnetic susceptibility and sulphides.



STRIP LOG: TC08-09

Easting	Northing	RL	Azimuth	Dip	Depth
534218.0	5471362.0	455.0	200.0	-60.0	296.0

STRIP				
1	Mag Sus	LINE		
2	Lithology	PAT	LABEL	DESCRIPTION
			2	Felsic Volcanic
			3	Sediment
			3a	Conglomerate
3	Au ppm	BAR PLOT		
4	Biotite	PAT	LABEL	DESCRIPTION
			BIO1	Biotite - weak
			BIO2	Biotite - moderate
			BIO3	Biotite - strong
			BIO4	Biotite - intense
5	Chlorite	PAT	LABEL	DESCRIPTION
			CHLt	Chlorite - trace
			CHL1	Chlorite - weak
			CHL2	Chlorite - moderate
			CHL3	Chlorite - strong
			CHL4	Chlorite - Intense
6	Calcite	PAT	LABEL	DESCRIPTION
			CAL1	Calcite - weak
			CAL2	Calcite - moderate
			CAL3	Calcite - strong
7	Sericite	PAT	LABEL	DESCRIPTION
			SER1	Sericite - weak
			SER2	Sericite - moderate
			SER3	Sericite - strong
			SER4	Sericite - intense
8	Silica	PAT	LABEL	DESCRIPTION
			SIL1	Silicification - weak
			SIL2	Silicification - moderate
			SIL3	Silicification - strong
			SIL4	Silicification - intense
9	Epidote	PAT	LABEL	DESCRIPTION
			Ept	Epidote - trace
10	Py min	PAT	LABEL	DESCRIPTION
			PYdt	PY - dissem - trace
			PYd1	PY - dissem - weak
			PYvt	PY - veinlets - trace
			PYv1	PY - veinlets - weak
			PYv2	PY - veinlets - moderate
			PYv3	PY - veinlets - strong
			PYc1	PY - clots - weak
			PYc2	PY - clots - moderate
			PYc3	PY - clots - strong

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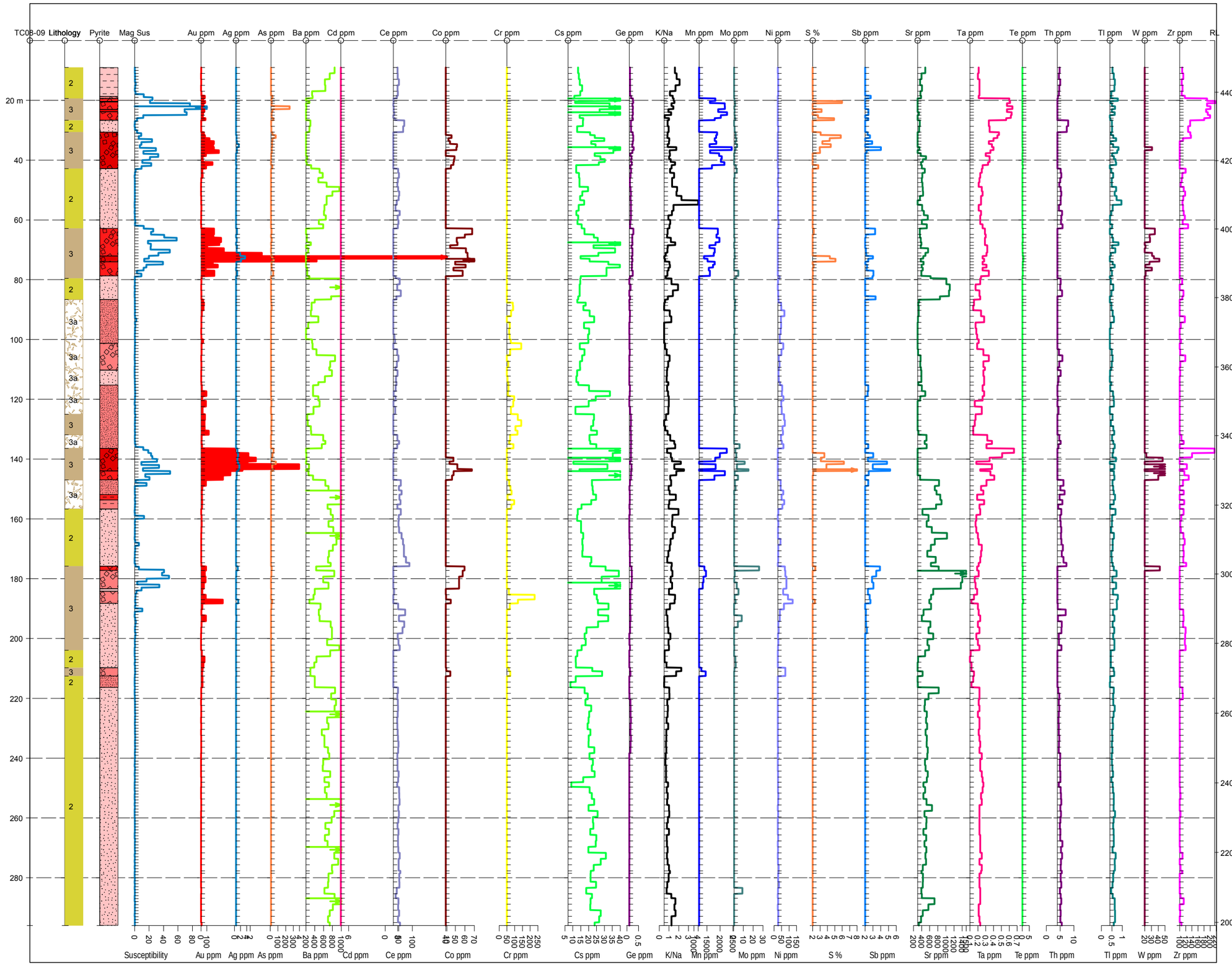
Magnetic Susceptibility, Lithology,
Au Geochemistry,
Alteration, & Pyrite Mineralization

TC08-09

DATA BY: A. Shannon	GIS BY: LJ Miller	Figure:

December 11, 2008



STRIP LOG: TC08-09

Easting	Northing	RL	Azimuth	Dip	Depth
534218.0	5471362.0	455.0	200.0	-60.0	296.0

STRIP		PAT	LABEL	DESCRIPTION
1	Lithology		2	Felsic Volcanic
			3	Sediment
			3a	Conglomerate
2	Pyrite		PYdt	PY - dissem - trace
			PYd1	PY - dissem - weak
			PYvt	PY - veinlets - trace
			PYv1	PY - veinlets - weak
			PYv2	PY - veinlets - moderate
			PYv3	PY - veinlets - strong
			PYc1	PY - clots - weak
			PYc2	PY - clots - moderate
			PYc3	PY - clots - strong
3	Mag Sus	LINE		
4	Au ppm	LINE		
5	Ag ppm	LINE		
6	As ppm	LINE		
7	Ba ppm	LINE		
8	Cd ppm	LINE		
9	Ce ppm	LINE		
10	Co ppm	LINE		
11	Cr ppm	LINE		
12	Cs ppm	LINE		
13	Ge ppm	LINE		
14	K/Na	LINE		
15	Mn ppm	LINE		
16	Mo ppm	LINE		
17	Ni ppm	LINE		
18	S %	LINE		
19	Sb ppm	LINE		
20	Sr ppm	LINE		
21	Ta ppm	LINE		
22	Te ppm	LINE		
23	Th ppm	LINE		
24	Tl ppm	LINE		
25	W ppm	LINE		
26	Zr ppm	LINE		

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STRIP LOG: GEOCHEMISTRY		
TC08-09		
2008 DRILLING PROGRAM		
DATA BY: A.SHANNON	GIS BY: LJ MILLER	FIGURE:

Drill Hole TC08-10

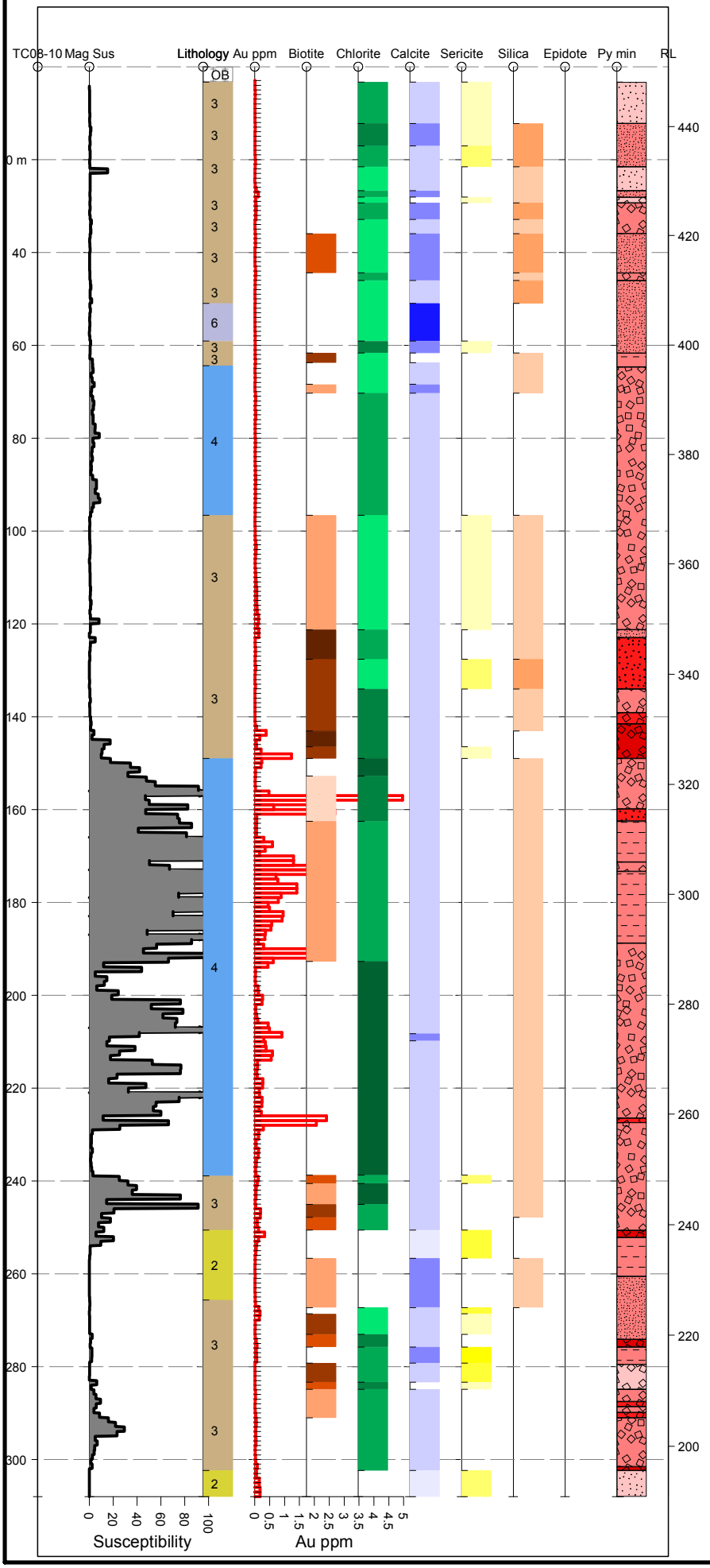
This hole was a step back hole from TC08-09 on the Pelham “3 Zone”. The target was the same as TC08-09 including the geochemical anomaly in Trench 11 and I.P. chargeability anomaly; however this hole tests the anomalies at depth. The hole was expected to intersect the gabbro-sediment contact and creating a fence with TC08-09. It also tests the idea that the gabbro sediment contact may be important to mineralization.

The top half of this hole (3.3 to 149m) is composed of a relatively unaltered succession of clastic sediments that include conglomerates interbedded with sandstones that have then been intruded by gabbro. The intermediate composition sandstone is grey in color with feldspars and mafic minerals being identified. Within the sandstone a thin ~1.5m felsic volcaniclastic interbed has patchy biotite and chlorite alteration and veining that destroys most primary textures or creates a pseudoclastic texture. The conglomerate is polymictic and matrix supported with a fine to medium grained matrix of intermediate-mafic composition. Clasts are angular to sub angular and are made up of dark brown aphanitic mafic clasts and two felsic clast types. Alteration is relatively minor with calcite- chlorite veins throughout and little sulphides overall except for several short (1-2m) intervals of 1-3% sulphides. The exception is near the contact with the gabbro downhole where biotite alteration increases along with sulphide content. This contact zone contains 2-10% pyrite in clots associated with biotite patches, chlorite veins and minor disseminated pyrite. This alteration and sulphide content near the contact corresponds to several anomalous samples near the contact including 1.33g/t, 0.18g/t and 0.4g/t.

This sedimentary succession is intruded by a biotite diorite (50.97 to 59.11m) and gabbro (64.38 to 96.65m). The biotite-rich intermediate-mafic intrusive and is grey in color with minor chlorite alteration of biotite and strong calcite alteration. The gabbro is fine grained and graded to coarser downhole where the intrusive texture is apparent. Only trace sulphides are identified in both of these units and contain no Au values.

The thick gabbro unit extends from 149 to 238m, it is medium to coarse grained and green-grey in color. Alteration at the contact makes it difficult to identify, and was determined by magnetic susceptibility and disappearance of clastic texture. High magnetic susceptibility is likely due to metallic grey subhedral crystals of magnetite that are abundant. This interval is intensely altered with a purple wash, likely weak biotite, which is overprinted by locally intense and pervasive strong chlorite alteration. This unit consistently contains 0.5 -1% pyrrhotite and 0.5-1% pyrite with as much a 5% pyrite. The highest pyrite content does not always correspond to highest Au assays. This unit has consistently high gold value with few sample <0.2g/t, and a handful of samples >1g/t. Overall this interval has 79.44m at 0.62g/t Au & 0.45g/t Ag including 46m at 0.83g/t Au & 0.5g/t Ag.

Downhole of the gabbro is a sequence of intercalated felsic volcanics and sedimentary rocks. One of the sedimentary unit is a matrix supported polymictic conglomerate with a fine grained mafic matrix. It has angular to sub angular clasts including light grey felsic, porphyritic and lesser intermediate locally brown (biotite altered) clasts. There are little sulphides in this unit with up to 10% pyrite at one contact but no Au values associated. These sedimentary rocks are interbedded with two unit of quartz +/- feldspar porphyritic volcaniclastics, it included sub angular to rounded quartz grains up to 6 mm and 3mm feldspars. It ranges from crystal rich to crystal poor and the matrix is fine grained and siliceous, with patchy sericite alteration. There is weak chlorite and biotite in the matrix and has up to 10% pyrite associated with chlorite alteration but not Au values. The upper contact of this unit is diffuse due alteration and gabbro may be interfingered in the contact area.



STRIP LOG: TC08-10

Easting	Northing	RL	Azimuth	Dip	Depth
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STRIP				
1	Mag Sus	LINE		
2	Lithology	PAT	LABEL	DESCRIPTION
			2	Felsic Volcanic
			3	Sediment
			4	Gabbro
			6	Intermediate to Mafic Dyke
			OB	Overburden
3	Au ppm	BAR PLOT		
4	Biotite	PAT	LABEL	DESCRIPTION
			BIO1	Biotite - weak
			BIO2	Biotite - moderate
			BIO3	Biotite - strong
			BIO4	Biotite - intense
			BIOt	Biotite - trace
5	Chlorite	PAT	LABEL	DESCRIPTION
			CHL1	Chlorite - weak
			CHL2	Chlorite - moderate
			CHL3	Chlorite - strong
			CHL4	Chlorite - Intense
6	Calcite	PAT	LABEL	DESCRIPTION
			CALt	Calcite - trace
			CAL1	Calcite - weak
			CAL2	Calcite - moderate
			CAL3	Calcite - strong
7	Sericite	PAT	LABEL	DESCRIPTION
			SER1	Sericite - weak
			SER2	Sericite - moderate
			SER3	Sericite - strong
			SER4	Sericite - intense
8	Silica	PAT	LABEL	DESCRIPTION
			SIL1	Silicification - weak
			SIL2	Silicification - moderate
9	Epidote	PAT	No patterns matched	
10	Py min	PAT	LABEL	DESCRIPTION
			PYdt	PY - dissem - trace
			PYd1	PY - dissem - weak
			PYd2	PY - dissem - moderate
			PYv1	PY - veinlets - weak
			PYct	PY - clots - trace
			PYc1	PY - clots - weak
			PYc2	PY - clots - moderate
			PYc3	PY - clots - strong

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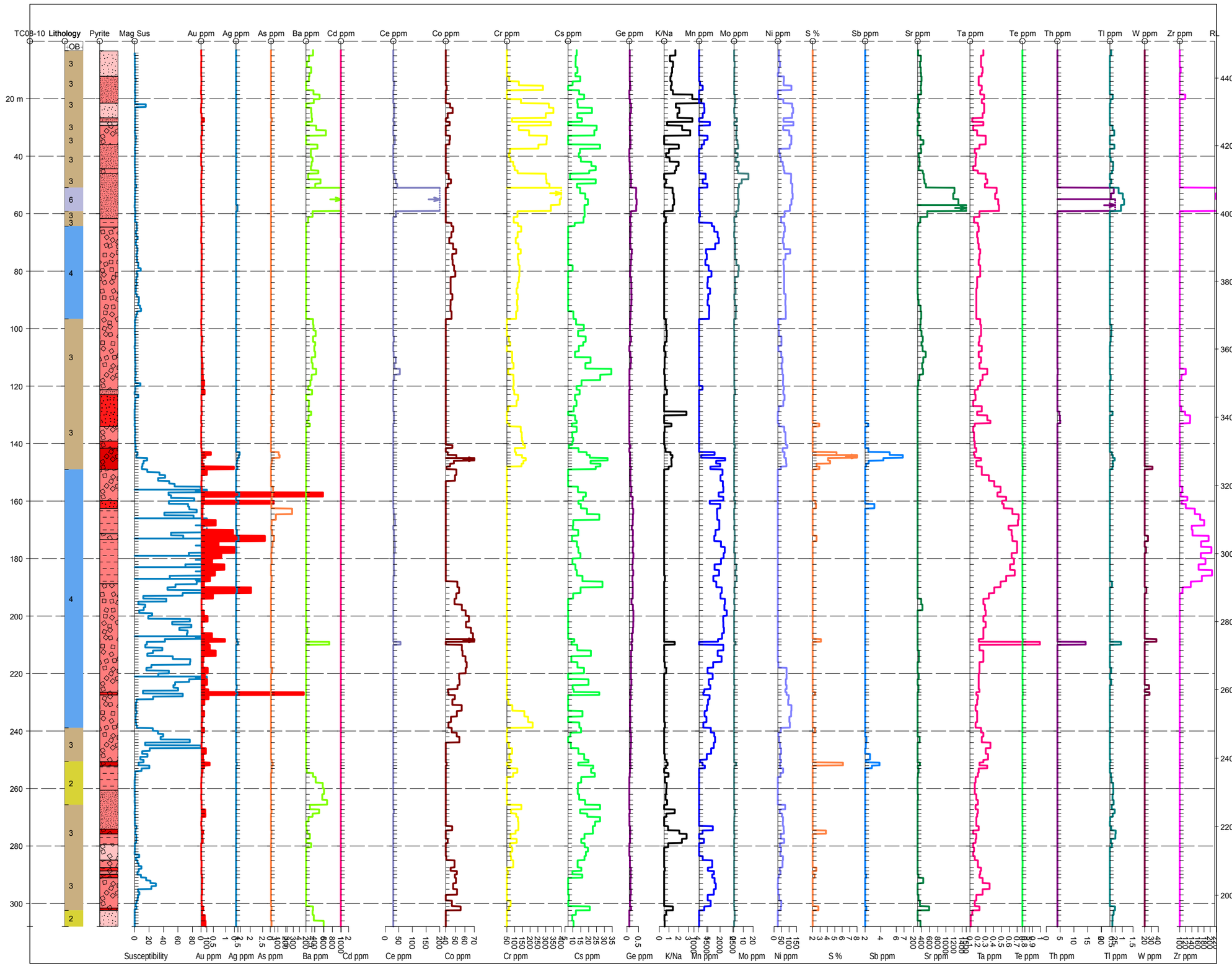
Au Geochemistry,
Alteration, & Pyrite Mineralization

TC08-10

DATA BY: A. Shannon	GIS BY: LJ Miller	Figure:

December 11, 2008



STRIP LOG: TC08-10

Easting	Northing	RL	Azimuth	Dip	Depth
534275.0	5471464.0	451.0	200.0	-60.0	308.0

STRIP		PAT	LABEL	DESCRIPTION
1	Lithology		2	Felsic Volcanic
			3	Sediment
			4	Gabbro
			6	Intermediate to Mafic Dyke
			OB	Overburden
2	Pyrite	PAT	LABEL	DESCRIPTION
			PYdt	PY - dissem - trace
			PYd1	PY - dissem - weak
			PYd2	PY - dissem - moderate
			PYv1	PY - veinlets - weak
			PYct	PY - clots - trace
			PYc1	PY - clots - weak
			PYc2	PY - clots - moderate
			PYc3	PY - clots - strong
3	Mag Sus	LINE		
4	Au ppm	LINE		
5	Ag ppm	LINE		
6	As ppm	LINE		
7	Ba ppm	LINE		
8	Cd ppm	LINE		
9	Ce ppm	LINE		
10	Co ppm	LINE		
11	Cr ppm	LINE		
12	Cs ppm	LINE		
13	Ge ppm	LINE		
14	K/Na	LINE		
15	Mn ppm	LINE		
16	Mo ppm	LINE		
17	Ni ppm	LINE		
18	S %	LINE		
19	Sb ppm	LINE		
20	Sr ppm	LINE		
21	Ta ppm	LINE		
22	Te ppm	LINE		
23	Th ppm	LINE		
24	Tl ppm	LINE		
25	W ppm	LINE		
26	Zr ppm	LINE		

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STRIP LOG: GEOCHEMISTRY		
TC08-10		
2008 DRILLING PROGRAM		
DATA BY: A.SHANNON	GIS BY: LJ MILLER	FIGURE:

Drill Hole TC08-11

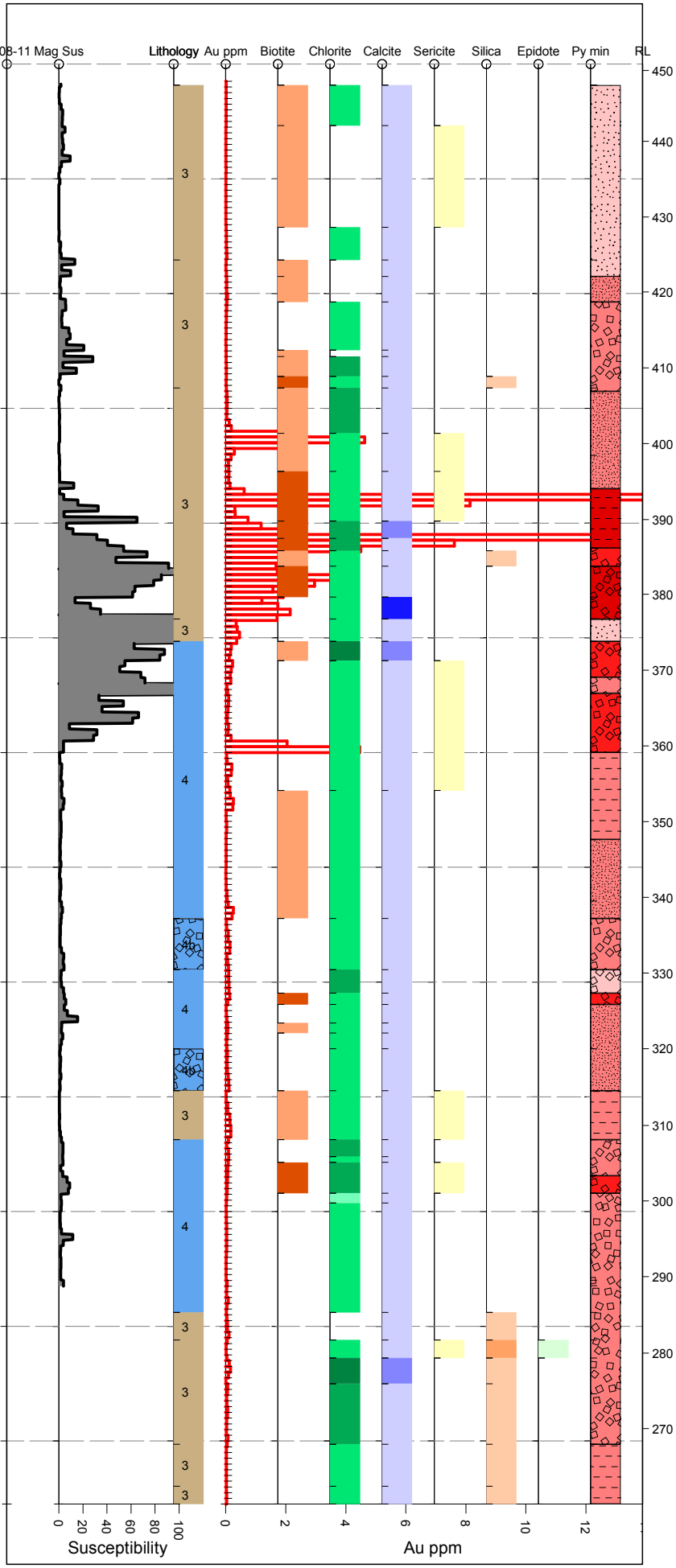
This is a step out hole from TC08-09 in the Pelham 3 zone. It was collared at the north end of trench 11b and is approximately 110m west of TC08-09 and tests the west side of the Pelham 3 zone, it targets the e-w chargeability anomaly and the continuation of mineralization found in TC08-9 and 10. This hole is dilled below several old pits in the south Pelham area which have 2008 Teck grab samples with anomalous gold ranging from 0.1-0.4g/t Au.

The top third of this hole has a polymictic conglomerate that is matrix supported with a grey intermediate fine grained feldspars locally bearing matrix and locally clast rich. Clasts include felsic porphyritic (some QFP) and dark brown or grey intermediate-mafic (biotite altered). Another lithology observed is a fine grained fine grained sandstone to silty sandstone that has meter scale conglomerate interbeds. Downhole local 2mm quartz grains are observed and amount of strain increases and clasts are strained along foliation. The contact zone with the gabbro downhole is defined by highly altered and highly magnetic susceptible sediments. This rock is grey and homogenous in textures with disseminated grey subhedral magnetite. The sedimentary rocks up hole have local weak to moderate chlorite and biotite alteration. Moving downhole biotite and chlorite alteration increases with strong chlorite veining and biotite patches. Quartz and calcite veins are also observed near the gabbro sedimentary contact. This interval has highly variable sulphide content with the top of the hole containing trace pyrite and increasing down hole to 74.0 – 96.7m which has consistent >5% pyrite and tr -3% pyrrhotite. This sulphide content corresponds to the highest gold grades in the drilling program with individual samples of 37.5g/t Au, 8.92g/t Au 13.6g/t Au. These values are part of an interval of 55.52m @2.19g/t Au & 1.25g/t Ag including 21.73m @4.63g/t Au & 2.14g/t Ag.

A mafic intrusive unit dominates the rest of the hole (100.61-217.60m) and has a number of phases, ranging from fine to course grained with interlocking crystals evident. Euhedral pyroxenes up to 6mm are rare but 2-3mm crystals are common as well as plagioclase. Local xenoliths of course gabbro and sediments are observed in the intrusion. Overall this unit is weakly to moderately chlorite altered with local biotite

alteration. Two zones of biotite alteration are associated with a strongly foliation but no Au values. The final interval of gabbro shows how complexity of the Pelham intrusive with hits of sedimentary textures along side intrusive texture which commonly occur at the margin of intrusions. This intrusion contains 0.5-5% pyrite with 0.1% pyrrhotite and at the start of the unit up to 30% magnetite. Overall the gabbro has some anomalous gold values but only one good assay of 1.31m at 4.91g/t Au.

The sedimentary rocks at the end of the hole include a fine grained sandstone to siltstone that is intermediate in composition. This unit is fairly homogenous but rare clasts are seen, including QFP clasts. Feldspar crystal rich sections also exist and all internal contacts are gradational, with the gabbro contact is sharp.



STRIP LOG: TC08-11

Easting	Northing	RL	Azimuth	Dip	Depth
534130.0	5471378.0	451.0	200.0	-60.0	251.0

STRIP

1 Mag Sus — LINE

2 Lithology

PAT	LABEL	DESCRIPTION
	3	Sediment
	4	Gabbro
	4b	Coarse Grained Gabbro

3 Au ppm — BAR PLOT

4 Biotite

PAT	LABEL	DESCRIPTION
	BIO1	Biotite - weak
	BIO2	Biotite - moderate

5 Chlorite

PAT	LABEL	DESCRIPTION
	CHLt	Chlorite - trace
	CHL1	Chlorite - weak
	CHL2	Chlorite - moderate
	CHL3	Chlorite - strong

6 Calcite

PAT	LABEL	DESCRIPTION
	CAL1	Calcite - weak
	CAL2	Calcite - moderate
	CAL3	Calcite - strong

7 Sericite

PAT	LABEL	DESCRIPTION
	SER1	Sericite - weak

8 Silica

PAT	LABEL	DESCRIPTION
	SIL1	Silicification - weak
	SIL2	Silicification - moderate

9 Epidote

PAT	LABEL	DESCRIPTION
	Ept	Epidote - trace

10 Py min

PAT	LABEL	DESCRIPTION
	PYdt	PY - dissem - trace
	PYd1	PY - dissem - weak
	PYv1	PY - veinlets - weak
	PYv3	PY - veinlets - strong
	PYct	PY - clots - trace
	PYc1	PY - clots - weak
	PYc2	PY - clots - moderate
	PYc3	PY - clots - strong

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Au Geochemistry,
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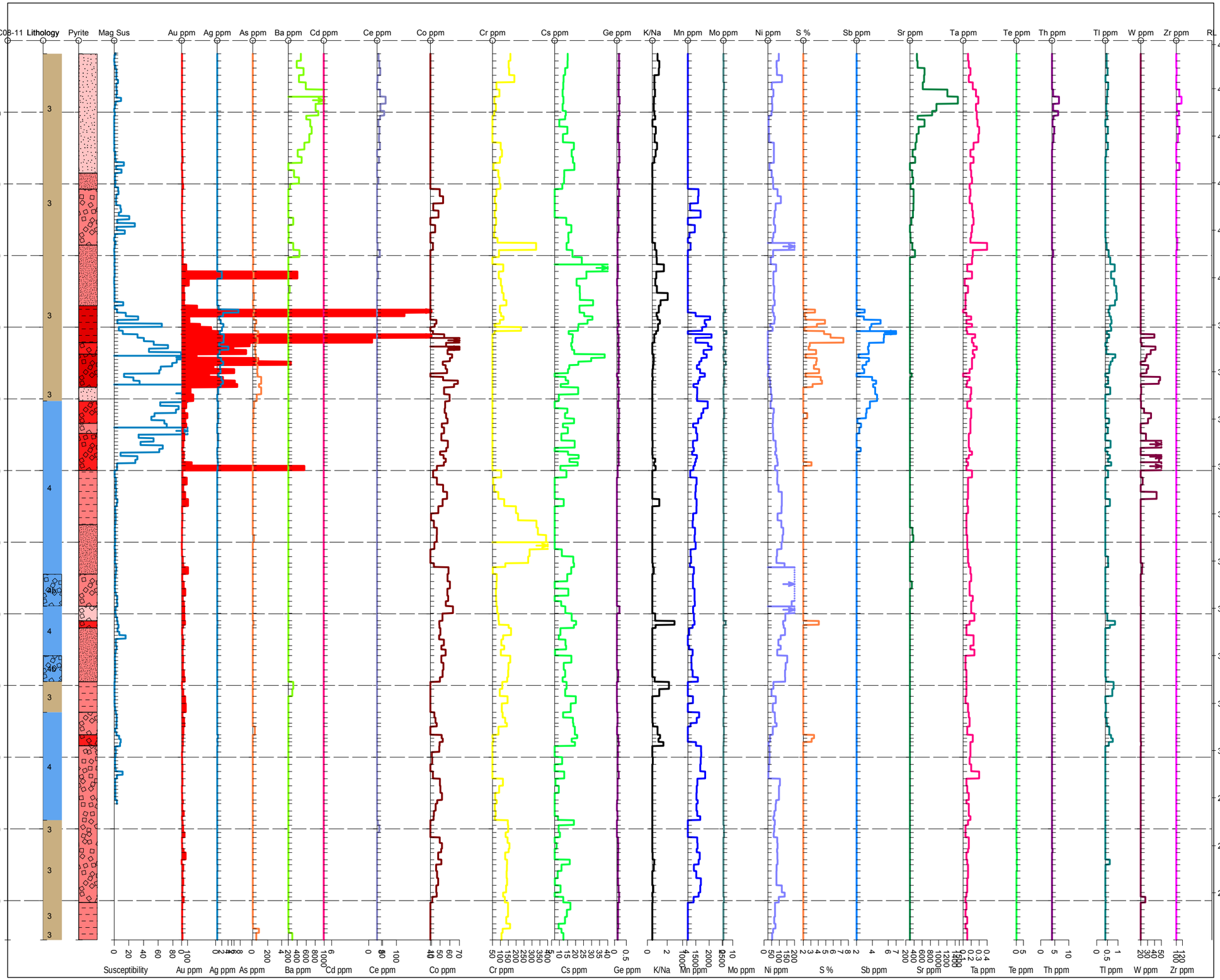
TC08-11

DATA BY: A. Shannon	GIS BY: LJ Miller	Figure:

December 11, 2008



STRIP LOG: TC08-11

Easting	Northing	RL	Azimuth	Dip	Depth
534130.0	5471378.0	451.0	200.0	-60.0	251.0

STRIP		PAT	LABEL	DESCRIPTION
1	Lithology		3	Sediment
			4	Gabbro
			4b	Coarse Grained Gabbro
2	Pyrite	PAT	LABEL	DESCRIPTION
			PYdt	PY - dissem - trace
			PYd1	PY - dissem - weak
			PYv1	PY - veinlets - weak
			PYv3	PY - veinlets - strong
			PYct	PY - clots - trace
			PYc1	PY - clots - weak
			PYc2	PY - clots - moderate
			PYc3	PY - clots - strong

3	Mag Sus	LINE
4	Au ppm	LINE
5	Ag ppm	LINE
6	As ppm	LINE
7	Ba ppm	LINE
8	Cd ppm	LINE
9	Ce ppm	LINE
10	Co ppm	LINE
11	Cr ppm	LINE
12	Cs ppm	LINE
13	Ge ppm	LINE
14	K/Na	LINE
15	Mn ppm	LINE
16	Mo ppm	LINE
17	Ni ppm	LINE
18	S %	LINE
19	Sb ppm	LINE
20	Sr ppm	LINE
21	Ta ppm	LINE
22	Te ppm	LINE
23	Th ppm	LINE
24	Tl ppm	LINE
25	W ppm	LINE
26	Zr ppm	LINE

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STRIP LOG: GEOCHEMISTRY		
TC08-11		
2008 DRILLING PROGRAM		
DATA BY: A.SHANNON	GIS BY: LJ MILLER	FIGURE:

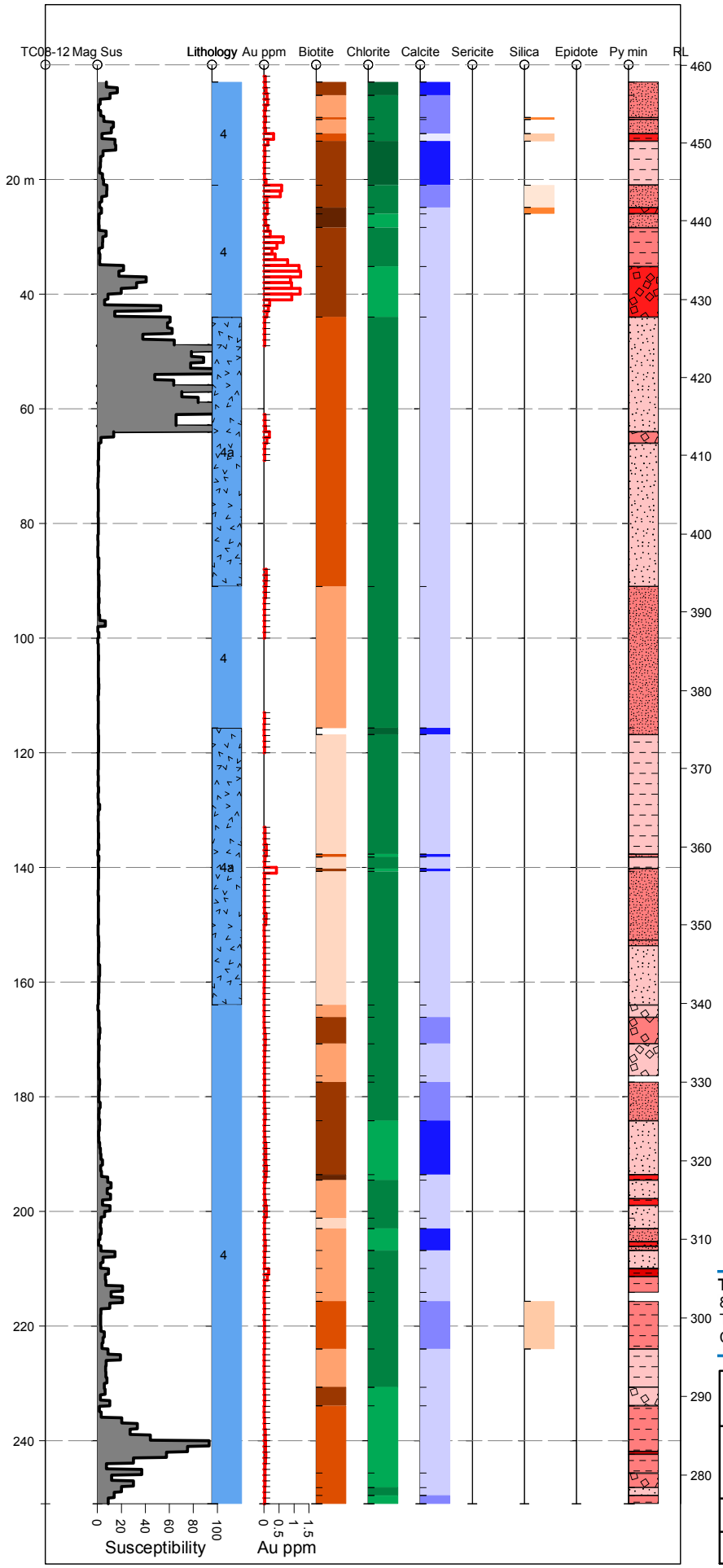
Drill Hole TC08-12

This hole was designed to test the area west of the Pelham 3 Zone. There is a large circular chargeability anomaly that comes to surface as a strong geochemical anomaly. On surface trench 12 encountered samples as high as 1m at 18g/t Au, numerous >0.5g/t grabs by Teck were collected including a sample at 9.3 g/t Au.

This hole is entirely made up of gabbro which can be broken up into two distinct intervals defined by the presence or lack of xenoliths and xenocrists. The top quarter of the hole (to 44m) is made up of a homogenous gabbro medium fine crystaline essentially massive and featureless that changes into a xenolithic/xenocristic gabbro, with medium grain size and locally fine crystaline. This interval also contains glomorophyric feldspars locally, and the xenocrists are of blue quartz and are usually found near xenoliths. Alteration in these rocks is strong and is dominated by chlorite and biotite, the xenolithic portion has intense alteration as well as up to 10% pyrite as sulphide veins or associated with chlorite veins. The Au values in this unit are fairly consistent over a small interval with 23m @0.48g/t Au including 6.75m at 1.05g/t Au.

The rest of the hole is made up of homogenous medium-grained gabbro grey-green color. A mixed leucocratic to melanocratic gabbro facies are apparent, locally coarse pyroxenes (up to 10mm), both these features are graded. The alteration through this relatively consistent with moderate to strong pervasive chlorite and biotite alteration through, biotite becomes stronger downhole with little associated mineralization. One notable sample in this interval contians1% pyrite + pyrrhotite corresponds to 0.8cm at 0.56g/t Au.

This hole tested a large circular chargeability anomaly and numerous Au assays. The top of the hole intersected mineralization with good Au values but the alteration and sulphides at the bottom of the hole did not correspond to any assay results. The large circular chargeability that comes to surface can’t be explained by sulphide content which is trace to 0.5% through the majority of the hole, but a 20m magnetic (magnetite bearing) section of gabbro could explain the geophysical response.



STRIP LOG: TC08-12

Easting	Northing	RL	Azimuth	Dip	Depth
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STRIP				
1	Mag Sus	LINE		
2	Lithology	PAT	LABEL	DESCRIPTION
			4	Gabbro
			4a	Medium Grained Gabbro
3	Au ppm	BAR PLOT		
4	Biotite	PAT	LABEL	DESCRIPTION
			BIO1	Biotite - weak
			BIO2	Biotite - moderate
			BIO3	Biotite - strong
			BIO4	Biotite - intense
			BIOt	Biotite - trace
5	Chlorite	PAT	LABEL	DESCRIPTION
			CHL2	Chlorite - moderate
			CHL3	Chlorite - strong
			CHL4	Chlorite - Intense
6	Calcite	PAT	LABEL	DESCRIPTION
			CALt	Calcite - trace
			CAL1	Calcite - weak
			CAL2	Calcite - moderate
			CAL3	Calcite - strong
7	Sericite	PAT	No patterns matched	
8	Silica	PAT	LABEL	DESCRIPTION
			SILt	Silicification-trace
			SIL1	Silicification - weak
			SIL3	Silicification - strong
9	Epidote	PAT	No patterns matched	
10	Py min	PAT	LABEL	DESCRIPTION
			PYdt	PY - dissem - trace
			PYd1	PY - dissem - weak
			PYd2	PY - dissem - moderate
			PYvt	PY - veinlets - trace
			PYv1	PY - veinlets - weak
			PYv2	PY - veinlets - moderate
			PYv3	PY - veinlets - strong
			PYct	PY - clots - trace
			PYc1	PY - clots - weak
			PYc2	PY - clots - moderate

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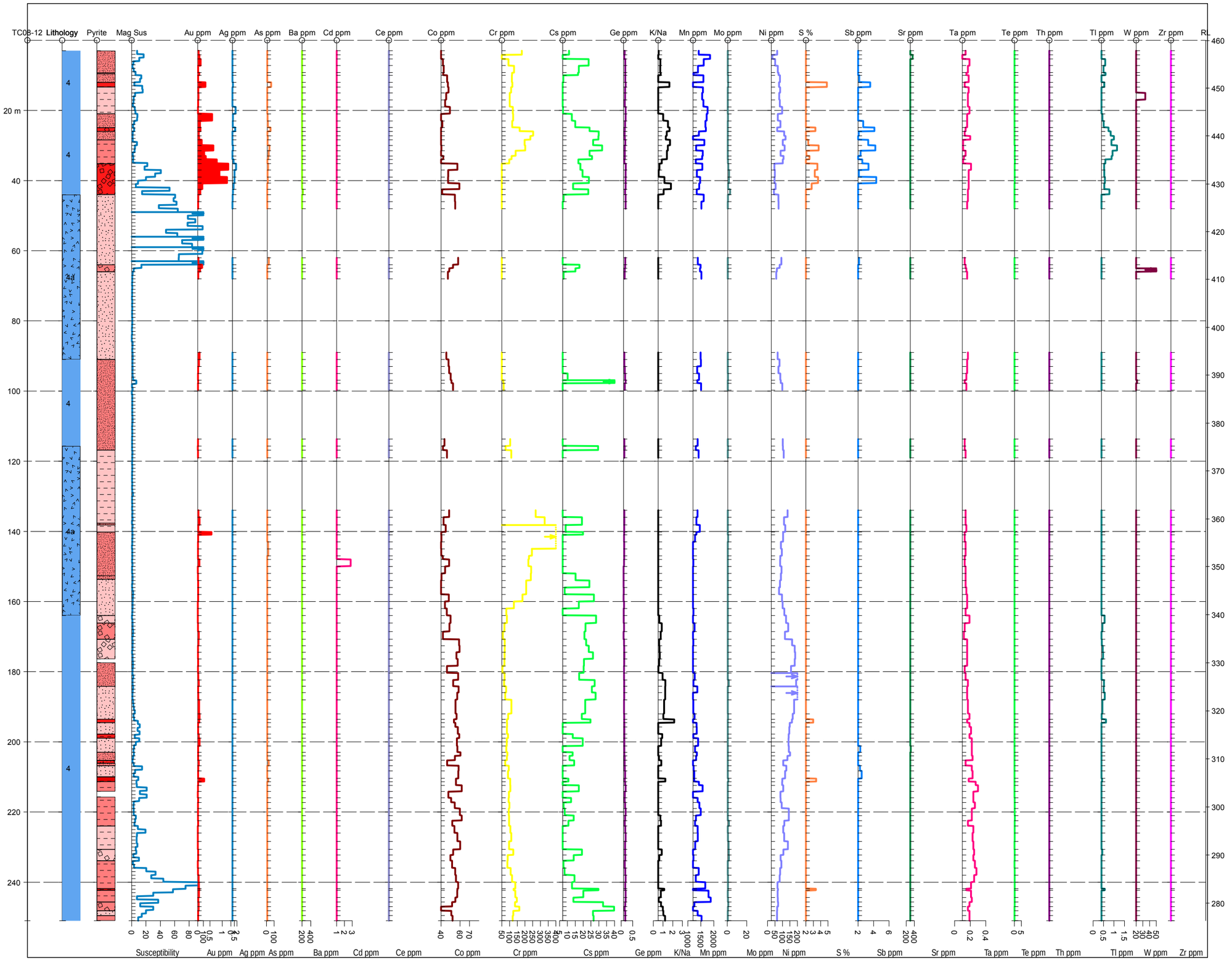
Magnetic Susceptibility, Lithology,
Au Geochemistry,
Alteration, & Pyrite Mineralization

TC08-12

DATA BY: A. Shannon	GIS BY: LJ Miller	Figure:

December 11, 2008



STRIP LOG: TC08-12

Easting	Northing	RL	Azimuth	Dip	Depth
534081.0	5471296.0	460.0	300.0	-47.0	251.0

STRIP		PAT	LABEL	DESCRIPTION
1	Lithology		4	Gabbro
			4a	Medium Grained Gabbro
2	Pyrite	PAT	LABEL	DESCRIPTION
			PYdt	PY - dissem - trace
			PYd1	PY - dissem - weak
			PYd2	PY - dissem - moderate
			PYvt	PY - veinlets - trace
			PYv1	PY - veinlets - weak
			PYv2	PY - veinlets - moderate
			PYv3	PY - veinlets - strong
			PYct	PY - clots - trace
			PYc1	PY - clots - weak
			PYc2	PY - clots - moderate

3	Mag Sus	LINE
4	Au ppm	LINE
5	Ag ppm	LINE
6	As ppm	LINE
7	Ba ppm	LINE
8	Cd ppm	LINE
9	Ce ppm	LINE
10	Co ppm	LINE
11	Cr ppm	LINE
12	Cs ppm	LINE
13	Ge ppm	LINE
14	K/Na	LINE
15	Mn ppm	LINE
16	Mo ppm	LINE
17	Ni ppm	LINE
18	S %	LINE
19	Sb ppm	LINE
20	Sr ppm	LINE
21	Ta ppm	LINE
22	Te ppm	LINE
23	Th ppm	LINE
24	Tl ppm	LINE
25	W ppm	LINE
26	Zr ppm	LINE

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THUNDERCLOUD PROPERTY		
STRIP LOG: GEOCHEMISTRY		
TC08-12		
2008 DRILLING PROGRAM		
DATA BY: A.SHANNON	GIS BY: LJ MILLER	FIGURE:

Drill Hole TC08-13

This hole targeted the western Pelham area along line 13. It is south of the historic Pelham showing (number 1 vein). This hole tested a strong n-s trending chargeability and magnetic anomaly, few outcrops exists in this area so little is known about the geology. A historic trench lies 150m west of the collar location and 2007 Teck grab sample found a sample of 2.23g/t Au. The target of this hole is along strike (south) of the Historic Pelham showing and will test if the n-s veins continue to the south.

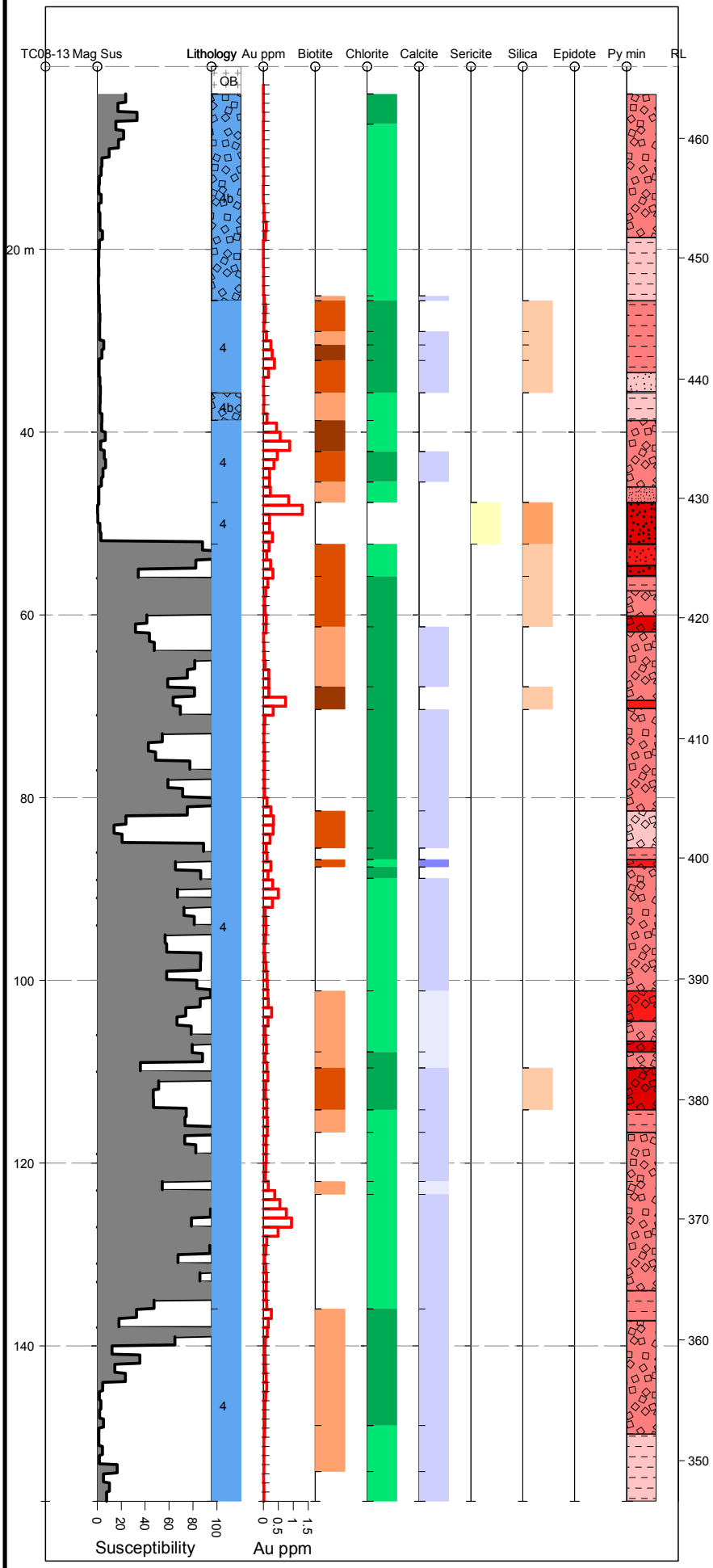
The top of this hole, to 25.62m, is dominated by a coarse grained gabbro with euhedral interlocking crystals up to 5 mm. This unit has little mineralization other than background weak chlorite and 0.1% pyrite.

Below this is an interval that is identified as gabbro to 52.26m, locally has smaller grain size which appears to correlate to increased biotite alteration. The patchy chlorite and biotite alteration is only carries 0.1 to 0.5% pyrite but correlates to anomalous gold values of 22.64m at 0.34g/t Au including 9.97m at 0.56g/t Au. The highest values, between 47.69 and 52.26m, are found in what is believed to be a fault zone. This zone is bleached, chalky and associated with silica flooding and sericite alteration. It has 10-15% disseminated pyrite in bands along the sheared plane.

Down hole the gabbro continues but there is a sharp change in magnetic susceptibility at 52.26m, which is the lower contact of the fault zone. Below the fault zone the fine to medium grained gabbro is green color due to abundant chlorite alteration. Interlocking chloritized pyroxene crystals and feldspar only locally observed. There are several anomalous intervals within this magnetic gabbro but they don't appear to correspond to sulphide content or alteration type. The gold assay in this interval includes 10.09m at 0.28g/t Au and 4m at 0.75g/t Au.

This targeted a strong n-s trending chargeability and magnetic anomaly. The area around western side of the Pelham has little outcrop but from this hole we know that much of this area is made up of gabbro. The western extent of the gabbro has not be defined by either mapping or drilling but from geophysics and regional geology mapping be is not believed to be much further beyond the end of this drill hole (<100m).

There is a large zone of high magnetic susceptibility (~100m) that can explain the strong magnetic and chargeability response which unfortunately makes identifying sulphide zones with either of these geophysical methods difficult.



STRIP LOG: TC08-13

Easting	Northing	RL	Azimuth	Dip	Depth
533936.0	5471333.0	466.0	280.0	-50.0	157.0

STRIP

1 Mag Sus — LINE

2 Lithology

PAT	LABEL	DESCRIPTION
	4	Gabbro
	4b	Coarse Grained Gabbro
	OB	Overburden

3 Au ppm — BAR PLOT

4 Biotite

PAT	LABEL	DESCRIPTION
	BIO1	Biotite - weak
	BIO2	Biotite - moderate
	BIO3	Biotite - strong

5 Chlorite

PAT	LABEL	DESCRIPTION
	CHL1	Chlorite - weak
	CHL2	Chlorite - moderate

6 Calcite

PAT	LABEL	DESCRIPTION
	CALt	Calcite - trace
	CAL1	Calcite - weak
	CAL2	Calcite - moderate

7 Sericite

PAT	LABEL	DESCRIPTION
	SER1	Sericite - weak

8 Silica

PAT	LABEL	DESCRIPTION
	SIL1	Silicification - weak
	SIL2	Silicification - moderate

9 Epidote — PAT — No patterns matched

10 Py min

PAT	LABEL	DESCRIPTION
	PYdt	PY - dissem - trace
	PYd1	PY - dissem - weak
	PYd2	PY - dissem - moderate
	PYd3	PY - dissem - strong
	PYvt	PY - veinlets - trace
	PYv1	PY - veinlets - weak
	PYv2	PY - veinlets - moderate
	PYct	PY - clots - trace
	PYc1	PY - clots - weak
	PYc2	PY - clots - moderate
	PYc3	PY - clots - strong

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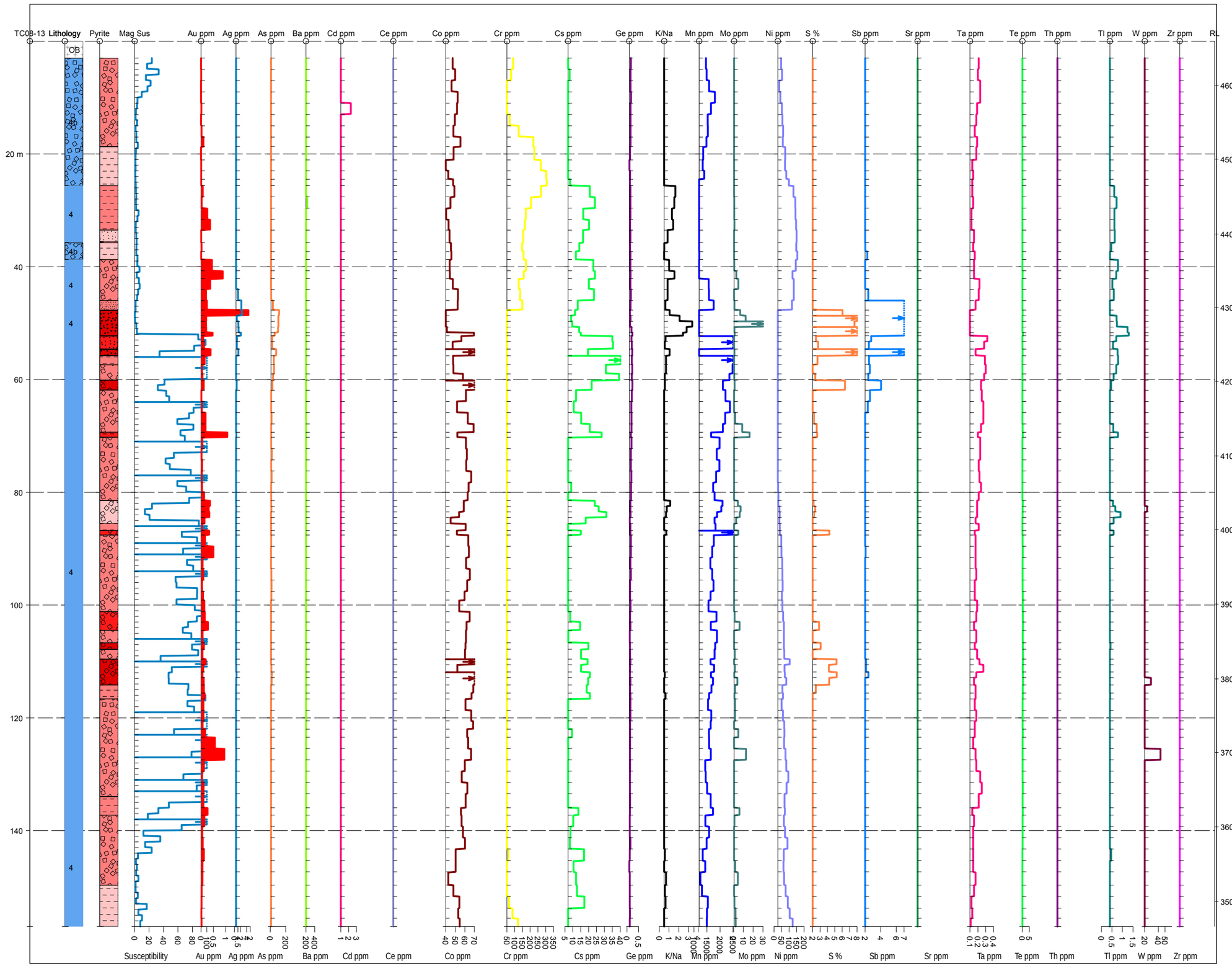
Au Geochemistry,
Alteration, & Pyrite Mineralization

TC08-13

DATA BY: A. Shannon	GIS BY: LJ Miller	Figure:

December 11, 2008



STRIP LOG: TC08-13

Easting	Northing	RL	Azimuth	Dip	Depth
533936.0	5471333.0	466.0	280.0	-50.0	157.0

STRIP		PAT	LABEL	DESCRIPTION
1	Lithology		4	Gabbro
			4b	Coarse Grained Gabbro
			OB	Overburden
2	Pyrite		PYdt	PY - dissem - trace
			PYd1	PY - dissem - weak
			PYd2	PY - dissem - moderate
			PYd3	PY - dissem - strong
			PYvt	PY - veinlets - trace
			PYv1	PY - veinlets - weak
			PYv2	PY - veinlets - moderate
			PYct	PY - clots - trace
			PYc1	PY - clots - weak
			PYc2	PY - clots - moderate
			PYc3	PY - clots - strong

3	Mag Sus	LINE
4	Au ppm	LINE
5	Ag ppm	LINE
6	As ppm	LINE
7	Ba ppm	LINE
8	Cd ppm	LINE
9	Ce ppm	LINE
10	Co ppm	LINE
11	Cr ppm	LINE
12	Cs ppm	LINE
13	Ge ppm	LINE
14	K/Na	LINE
15	Mn ppm	LINE
16	Mo ppm	LINE
17	Ni ppm	LINE
18	S %	LINE
19	Sb ppm	LINE
20	Sr ppm	LINE
21	Ta ppm	LINE
22	Te ppm	LINE
23	Th ppm	LINE
24	Tl ppm	LINE
25	W ppm	LINE
26	Zr ppm	LINE

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STRIP LOG: GEOCHEMISTRY		
TC08-13		
2008 DRILLING PROGRAM		
DATA BY: A.SHANNON	GIS BY: LJ MILLER	FIGURE:

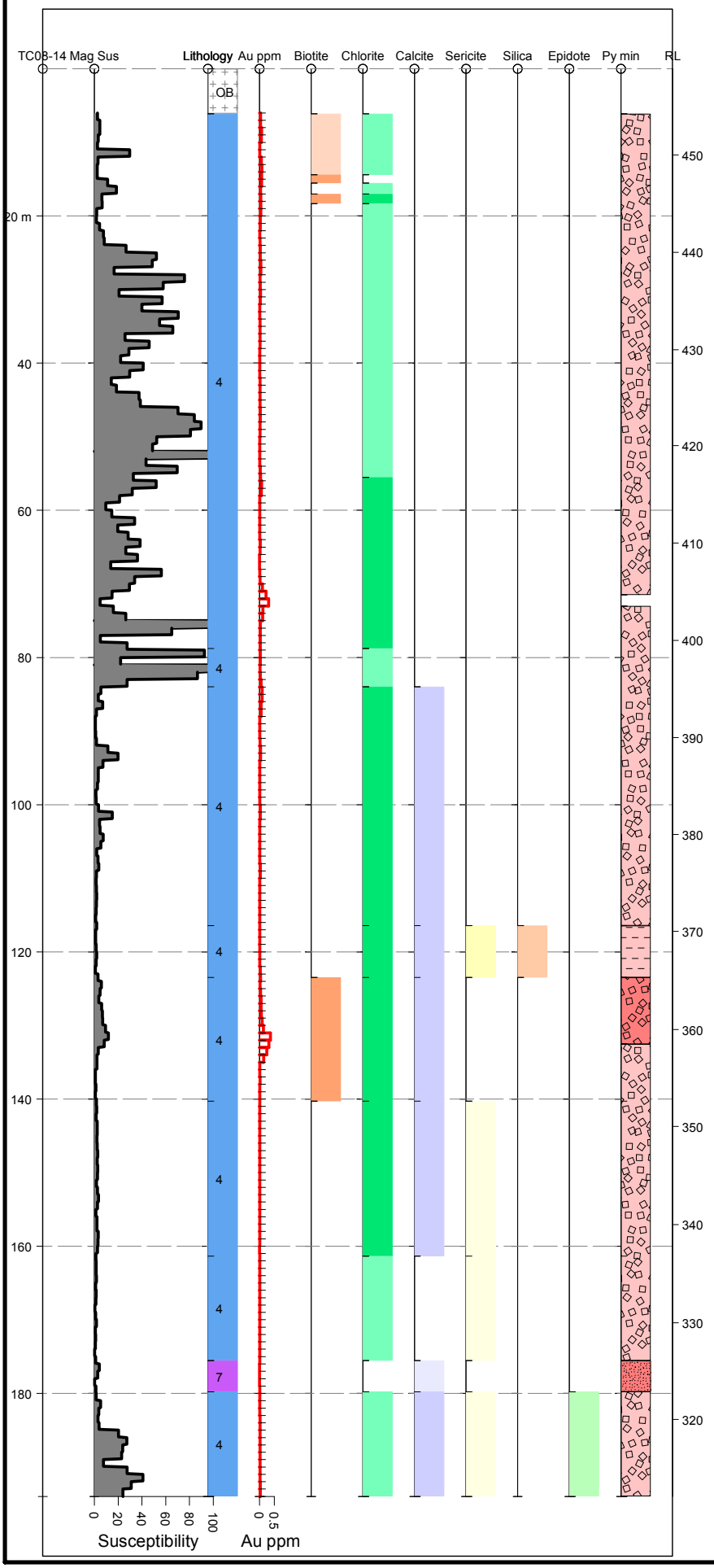
Drill Hole TC08-14

This hole was designed to test the historic Pelham showing. It was collared to the east of a number of pits that targeted the number 1 veins. There is a strong chargeability and magnetic response as well as historic ('86) Teck Drill hole results that includes an isolated 30g/t Au sample, and numerous 1g/t samples and surface sample from Teck 07/08 of 1.35 and 15.5g/t Au.

This entire hole is composed of gabbro, medium to coarse grained with euhedral, interlocking crystals of pyroxene, hornblende and feldspar up to 5 mm in size. Overall this unit is weakly chloritized with planar calcite veinlets in random orientations. Planar quartz veins with pyrite are found at 75.15 m, 84.20 m, and 103.7m. The top third of the hole has high magnetic susceptibility due to disseminated magnetite. Local the grain size is reduced due to patchy biotite alteration which corresponds to anomalous gold values of 3.56m at 0.3g/t Au. The gabbro is locally feldspar glomerophyric from 148.66 m to 149.85 m and from 155.56 m to 161.33 m.

At 175.54 the drill hole cuts a 4m wide monzonite dyke, this Pink-grey rock is composed of potassium feldspar, plagioclase feldspar, and hornblende. This dyke likely part of the Taylor Lake stock and has sharp contacts with gabbro.

This hole tested the historic Pelham showing and returned disappointing assay values. The historic diamond drill location returned isolated but good Au values; the drilling from this year did not intersect any veins or sulphide zones similar to that observed at surface or in historic drilling. An explanation for this is that the high grade veins at surface are localized and pinch out at depth. They are latterly continuous as well as steeply dipping the drill hole would have intersected them below the historic holes. The chargeability and magnetic anomalies can be explained by magnetite content of the gabbro.



STRIP LOG: TC08-14

Easting	Northing	RL	Azimuth	Dip	Depth
533947.0	5471460.0	459.0	280.0	-50.0	194.0

STRIP

1 Mag Sus — LINE

2 Lithology

PAT	LABEL	DESCRIPTION
	4	Gabbro
	7	Taylor Lake Monzonite
	OB	Overburden

3 Au ppm — BAR PLOT

4 Biotite

PAT	LABEL	DESCRIPTION
	BIO1	Biotite - weak
	BIOt	Biotite - trace

5 Chlorite

PAT	LABEL	DESCRIPTION
	CHLt	Chlorite - trace
	CHL1	Chlorite - weak

6 Calcite

PAT	LABEL	DESCRIPTION
	CALt	Calcite - trace
	CAL1	Calcite - weak

7 Sericite

PAT	LABEL	DESCRIPTION
	SERt	Sericite - trace
	SER1	Sericite - weak

8 Silica

PAT	LABEL	DESCRIPTION
	SIL1	Silicification - weak

9 Epidote

PAT	LABEL	DESCRIPTION
	EP1	Epidote - weak

10 Py min

PAT	LABEL	DESCRIPTION
	PYd1	PY - dissem - weak
	PYvt	PY - veinlets - trace
	PYct	PY - clots - trace
	PYc1	PY - clots - weak

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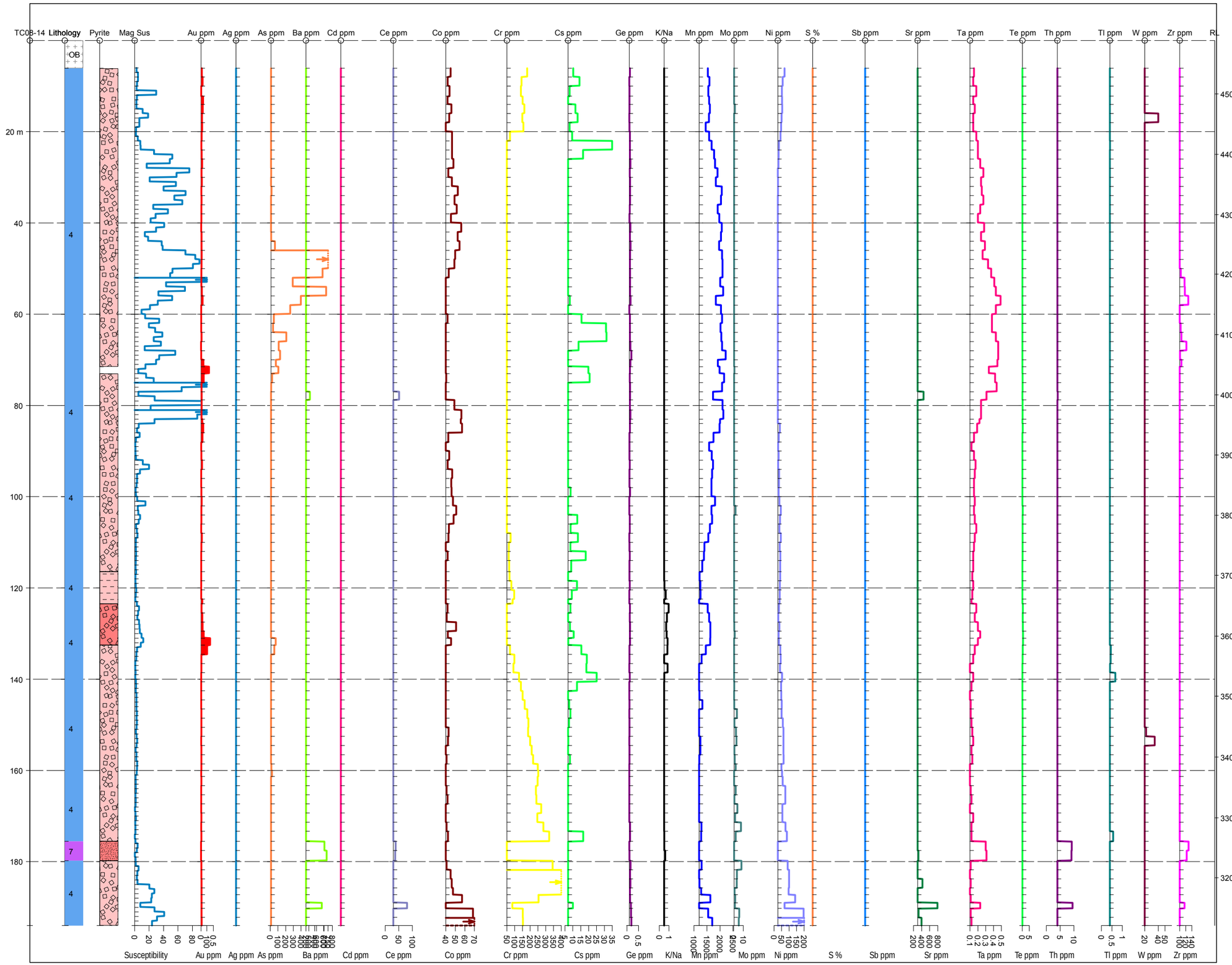
Au Geochemistry,
Alteration, & Pyrite Mineralization

TC08-14

DATA BY: A. Shannon	GIS BY: LJ Miller	Figure:

December 11, 2008



STRIP LOG: TC08-14

Easting	Northing	RL	Azimuth	Dip	Depth
533947.0	5471460.0	459.0	280.0	-50.0	194.0

STRIP		PAT	LABEL	DESCRIPTION
1	Lithology		4	Gabbro
			7	Taylor Lake Monzonite
			OB	Overburden
2	Pyrite	PAT	LABEL	DESCRIPTION
			PYd1	PY - dissem - weak
			PYvt	PY - veinlets - trace
			PYct	PY - clots - trace
			PYc1	PY - clots - weak

3	Mag Sus	LINE
4	Au ppm	LINE
5	Ag ppm	LINE
6	As ppm	LINE
7	Ba ppm	LINE
8	Cd ppm	LINE
9	Ce ppm	LINE
10	Co ppm	LINE
11	Cr ppm	LINE
12	Cs ppm	LINE
13	Ge ppm	LINE
14	K/Na	LINE
15	Mn ppm	LINE
16	Mo ppm	LINE
17	Ni ppm	LINE
18	S %	LINE
19	Sb ppm	LINE
20	Sr ppm	LINE
21	Ta ppm	LINE
22	Te ppm	LINE
23	Th ppm	LINE
24	Tl ppm	LINE
25	W ppm	LINE
26	Zr ppm	LINE

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STRIP LOG: GEOCHEMISTRY		
TC08-14		
2008 DRILLING PROGRAM		
DATA BY: A.SHANNON	GIS BY: LJ MILLER	FIGURE:

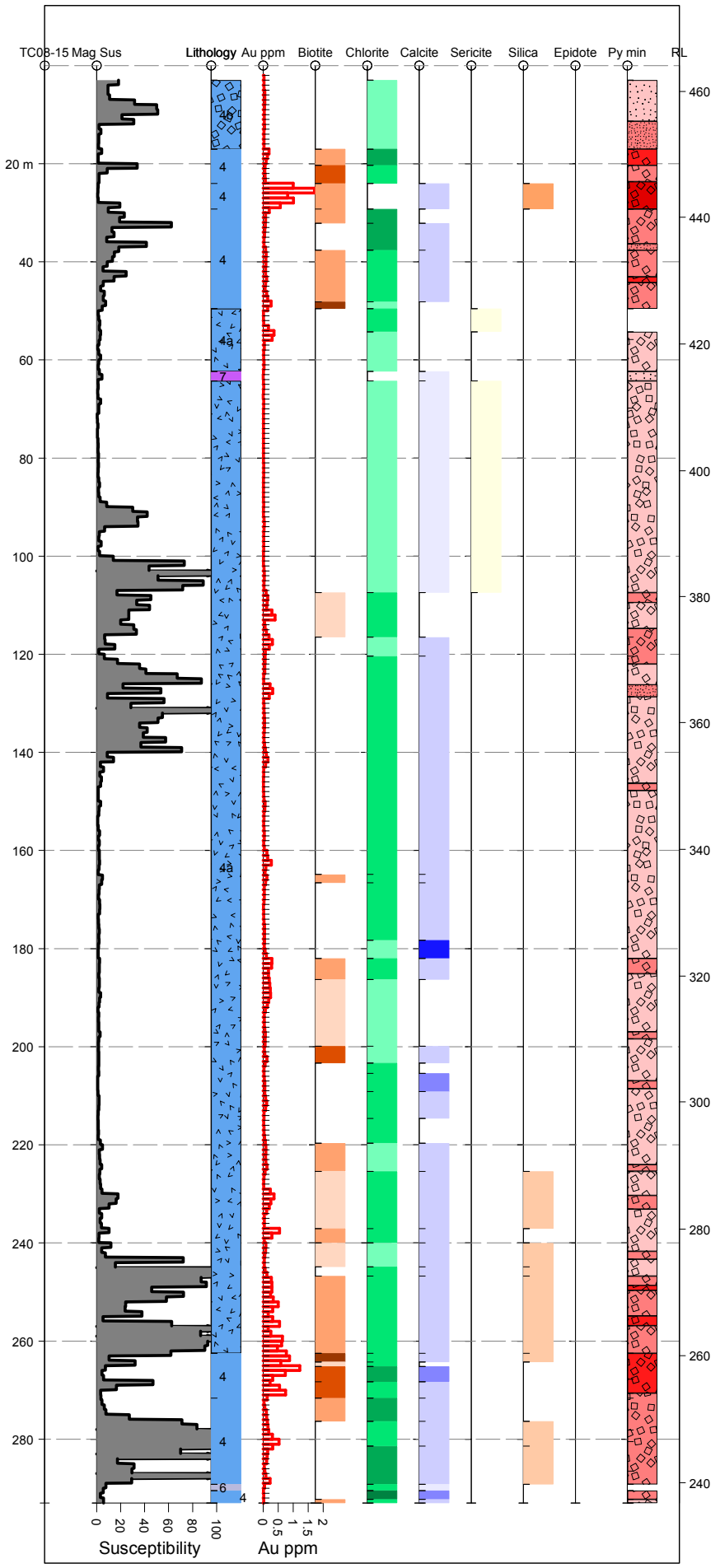
Drill Hole TC08-15

This hole was collared at the south end of trench 12 and drilled north under trench 12 and two historic trenches. This hole tested a strong chargeability anomaly below trench 12 as well as assay results from trench 12 including 18g/t Au and Teck 07/08 grab samples including several ~5g/t samples and numerous ~1g/t Au samples. Hole 12 was in a similar area but had a different orientation, hole 15 will test the northeast part of the chargeability anomaly centered on line 13.

The top portion of the hole, to 49.58m, is made up of altered gabbro with lesser medium to coarse grained gabbro. The altered gabbro is identified as gabbro due to local patches of coarser interlocking grains, but primary textures are likely obscured by alteration. This rock is light grey-brown in color due to pervasive biotite and chlorite alteration. This fine grained gabbro is strongly foliated from 24.04 to 29.24m and corresponds to patchy biotite and pervasive silica alteration. This foliated interval has 5-10% pyrite that is found disseminate and in strained clots along the foliation, this mineralization corresponds to 5.2m at 1.02g/t Au and 3.84g/t Ag. Overall these rocks contain 0.5 to 5% pyrite as clots associated with chlorite as well as lesser disseminated pyrite. Aside from the interval mentioned above there is no significant gold assays.

The majority of the rest of the hole is a medium grained gabbro with euhedral, interlocking pyroxene and feldspar crystals, up to 3 mm in size. It is massive and homogenous grey-green in color with background chlorite alteration. At 62.34m a 2m wide monzonite dyke is cuts the gabbro. This is part of the Taylor Lake Stock and is medium grained containing potassium feldspar, plagioclase feldspar and hornblende crystals. At 74.34m a feldspar porphyritic dyke contains a xenolith of coherent mafic rock with pyrite mineralization. Magnetite is abundant from ~107 to 130 m and from ~243 to 252 m, possibly extends further downhole, all these intervals correspond to zones of high magnetic susceptibility. At 254.93m xenocrists of blue quartz are observed. At approximately 242m weak biotite alteration begins and increases in intensity down hole and locally, with primary textures completely destroyed. Alteration subsides somewhat near the end of the hole and medium grained gabbro is identified, it has good interlocking crystals and patches of disseminated magnetite and ilmenite.

Gabbro near the end of the hole has been intruded by a quartz-bearing diorite dyke that is composed of plagioclase feldspar and weakly chloritized biotite with lesser quartz. Overall the lower part of this hole is not well mineralized but a section, 246.77m to 270.61m, has increased alteration, sulphides and gold values. The higher sulphide content of pyrite (1-5%) and lesser pyrrhotite is associated with moderate degrees of strain and chlorite-biotite alteration patches. This interval has 23.84m at 0.48g/t Au and 0.93g/t Ag including 8.13m at 0.7g/t Au and 1.19g/t Ag.



STRIP LOG: TC08-15

Easting	Northing	RL	Azimuth	Dip	Depth
533992.0	5471288.0	464.0	30.0	-50.0	293.0

STRIP				
1	Mag Sus	LINE		
2	Lithology	PAT	LABEL	DESCRIPTION
			4	Gabbro
			4a	Medium Grained Gabbro
			4b	Coarse Grained Gabbro
			6	Intermediate to Mafic Dyke
			7	Taylor Lake Monzonite
3	Au ppm	BAR PLOT		
4	Biotite	PAT	LABEL	DESCRIPTION
			BIO1	Biotite - weak
			BIO2	Biotite - moderate
			BIO3	Biotite - strong
			BIOt	Biotite - trace
5	Chlorite	PAT	LABEL	DESCRIPTION
			CHLt	Chlorite - trace
			CHL1	Chlorite - weak
			CHL2	Chlorite - moderate
			CHL3	Chlorite - strong
6	Calcite	PAT	LABEL	DESCRIPTION
			CALt	Calcite - trace
			CAL1	Calcite - weak
			CAL2	Calcite - moderate
			CAL3	Calcite - strong
7	Sericite	PAT	LABEL	DESCRIPTION
			SERt	Sericite - trace
8	Silica	PAT	LABEL	DESCRIPTION
			SIL1	Silicification - weak
			SIL2	Silicification - moderate
9	Epidote	PAT	No patterns matched	
10	Py min	PAT	LABEL	DESCRIPTION
			PYdt	PY - dissem - trace
			PYd1	PY - dissem - weak
			PYct	PY - clots - trace
			PYc1	PY - clots - weak
			PYc2	PY - clots - moderate
			PYc3	PY - clots - strong

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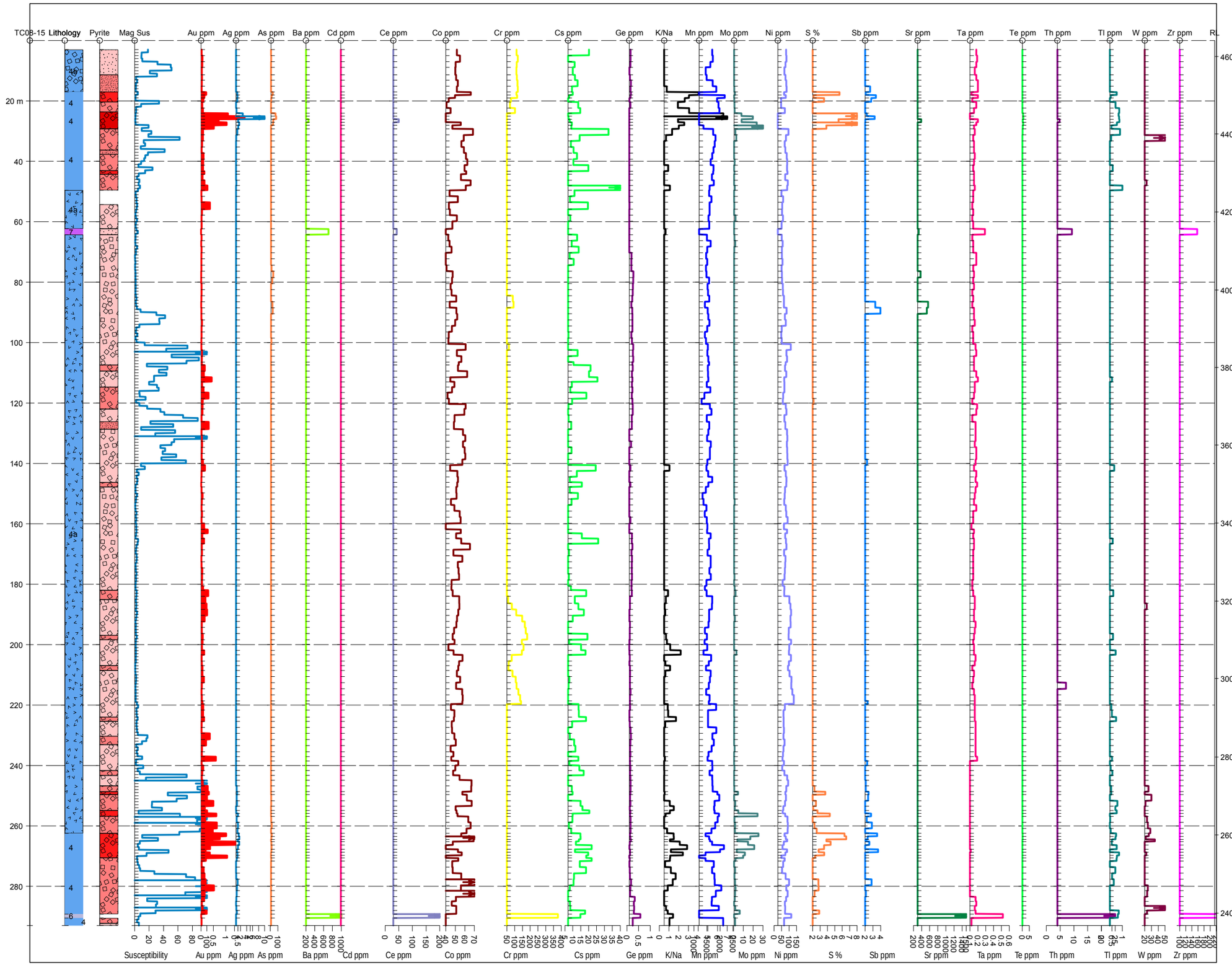
Au Geochemistry,
Alteration, & Pyrite Mineralization

TC08-15

DATA BY: A. Shannon	GIS BY: LJ Miller	Figure:

December 11, 2008



STRIP LOG: TC08-15

Easting	Northing	RL	Azimuth	Dip	Depth
533992.0	5471288.0	464.0	30.0	-50.0	293.0

STRIP		PAT	LABEL	DESCRIPTION
1	Lithology		4	Gabbro
			4a	Medium Grained Gabbro
			4b	Coarse Grained Gabbro
			6	Intermediate to Mafic Dyke
			7	Taylor Lake Monzonite
2	Pyrite	PAT	LABEL	DESCRIPTION
			PYdt	PY - dissem - trace
			PYd1	PY - dissem - weak
			PYct	PY - clots - trace
			PYc1	PY - clots - weak
			PYc2	PY - clots - moderate
			PYc3	PY - clots - strong

3	Mag Sus	LINE
4	Au ppm	LINE
5	Ag ppm	LINE
6	As ppm	LINE
7	Ba ppm	LINE
8	Cd ppm	LINE
9	Ce ppm	LINE
10	Co ppm	LINE
11	Cr ppm	LINE
12	Cs ppm	LINE
13	Ge ppm	LINE
14	K/Na	LINE
15	Mn ppm	LINE
16	Mo ppm	LINE
17	Ni ppm	LINE
18	S %	LINE
19	Sb ppm	LINE
20	Sr ppm	LINE
21	Ta ppm	LINE
22	Te ppm	LINE
23	Th ppm	LINE
24	Tl ppm	LINE
25	W ppm	LINE
26	Zr ppm	LINE

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STRIP LOG: GEOCHEMISTRY

TC08-15

2008 DRILLING PROGRAM

DATA BY: A.SHANNON	GIS BY: LJ MILLER	FIGURE:

Discussion

The grid area that was examined in detail on the Thundercloud Property host two main zones of mineralization; the Pelham Area and West Contact Area. These two zones have gold associated with sulphides and chlorite, biotite and silica alteration but differ significantly in mineralization style.

The West Contact area has had a total of 6 holes drilled along it (3 in 2007, 3 in 2008) and has overall had disappointing results. The strong I.P. chargeability anomalies that have been drill tested along this contact often contain 5-10% but these sulphides are not associated with gold. At surface around the Armstrong area numerous samples (n=~20) grade 0.5 to 3g/t Au. These could not be confirmed at depth by 2 drillholes drilled in a scissors pattern. From this data it appears that the Armstrong Area likely does not have the continuity to warrant further drilling. There are no strong links between alteration, sulphide content and gold values in this area which makes it very difficult to target gold mineralization. Whilst silica and biotite alteration has a good association with gold values at surface this pattern was not evident in observation and assay results. This being said, additional structural mapping may define new targets as structure is believed to play an important role in localizing gold mineralization in the West Contact area.

The Pelham area had a total of 7 holes drilled in 2008; overall the drilling had good success in targeting I.P. anomalies. Approximately half of the ip anomalies could be explained by sulphide content while the rest are the result of primary ignerous magnetite concentrated the gabbro. The Pelham area has a strong association between sulphide content and gold grade. In high grade gold mineralization (samples >10g/t) is there may be a vein associated mineralization than carries gold grade. There is significant structural complexity in this area; sulphides are sheared and sometimes banded and folded veins are locally observed. Biotite alteration is strongly associated with gold. Chlorite and silica also often observed in these zones of alteration but conspicuously do not correlate with gold. Where sulphides are present there is a very strong association of magnetic susceptibility and gold. There are magnetite rich zones

(up to 20%) that have limited (<1%) sulphides, the signature of this is a high magnetic susceptibility but no gold. In the Pelham Area magnetic susceptibility, biotite alteration and sulphide content have an excellent correlation with gold mineralization. This can be used with caution to vector for locally gold mineralization at Thundercloud.

The style of mineralization associated with gold varies significantly depending on the location within the Thundercloud Property. Smart integrated geology must be employed when exploring for gold at Thundercloud because alteration, mineralization and geophysical signatures vary throughout the property. Understanding the structural controls on gold mineralization at Thundercloud might significantly increase the prospectivity and provide strong value to future exploration campaigns.

Conclusions and Recommendations

A large gold bearing hydrothermal system at the Thundercloud property is evident with mineralization spread of over a large area. Along the West Contact the system appears related to the late high level felsic Thundercloud QFP porphyry. At the Pelham area the gold mineralization appears to have a strong lithologic and structural control. In both areas mineralization is generally related to widespread disseminated and fracture controlled sulphides and a strong association with biotite, silica and lesser chlorite. Work in 2008 has expanded on areas of known mineralization, and tested potential targets.

A great deal of additional work is required on test the size and extent of encouraging results from this year. Future work at Thundercloud should include mapping with a focus on structural controls, sampling, trenching and drilling. A focus of activity should be to drill testing the size and extend of the Pelham area. Trenching in the gabbro- sediment contact in the Pelham area may shed light on the geometry and importance of this contact. Almost all the work on the property has been focused on the grid area, preliminary mapping and prospecting of the balance of the property is also required. Targets identified outside the grid area could be trenched as it is useful and inexpensive method to test targets close to surface.

Summary of 2008 Field Program

- Detailed mapped, trenching and drilling has leading to the recognition of more favorable host rock for gold mineralization along the West Contact
- In the Pelham area the importance and distribution of gabbroic intrusions are better understood
- Throughout the property fine-grained chloritic sediments were identified as good hosts to gold mineralization.
- The QFP bodies have exhibit complex emplacement mechanisms having both intrusive and extrusive facies, which is close in time with the sedimentary rock sequence formation
- Biotite was confirmed as being an important hydrothermal phase associated with gold, rather than hydrothermal chlorite.
- Drill holes targeting areas of high chargeability generally intersected better sulfide concentrations
- Unfortunately a there is not a strong correlation between sulphide concentration and gold assays
- In the Pelham area there is a good correlation between magnetic susceptibility and the best gold grades
- The best gold grades in Pelham (possibly the West Contact) appear to be along lithologic contacts
- The identification of magnetic rock rocks not previously identified has made interpreting the magnetic survey data challenging.
- Within the grid area there are at least two main mineralization domains (Pelham and the West contact) that are separated by an unexposed fault
- Although this is a low grade Au target “sweet spots” including internals of 9.34m @7.91g/t Au & 2.64g/t Ag need to better understood

STATEMENT OF QUALIFICATIONS

I, Andrew Shannon, do certify that:

1) I am a geologist and have practiced my profession for the last three years.

2) I graduated from the University of Waterloo, Waterloo, Ontario, with a honours Bachelor of Science degree in Geology (2005).

3) I graduated from the University of British Columbia, Vancouver, British Columbia with Masters of Science in Geology (2008).

4) I was actively involved and supervised the Thundercloud program and authored the report herein. I was present and actively involved in mapping, drilling and co-ordinating the field crew for the entire field program.

5) All data contained in this report and conclusions drawn from it are true and accurate to the best of my knowledge.

6) I hold no direct or indirect personal interest in the Thundercloud Group property which is the subject of this report.

_____

Andrew Shannon
Project Geologist
January, 2009

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Volume 3
Appendix III - Assay Certificates

N.T.S. 052F/07

January 13, 2009

Teck

Assay Certificates – Field and Trenching

N.T.S. 052F/07

January 13, 2009

Teck

Appendix II
Diamond Drill Logs

N.T.S. 052F/07

January 13, 2009

Teck

Hole_ID	TC08-06	**Hole Type**	Core	**Purpose/Comments:**	
Project	Thundercloud	**Survey Type**	Reflex		
X	534377	**Hole Diameter**	NQ	This hole was designed to test the QFP-sediment-mafic contact which is interpreted to be trending N-S in this area. The area that this hole targets is below the Glatz "Zone 1" which is an area that was exposed by Alex Glatz in 2006. Stripping and trenching of the area returned assay values including 3.28g/t Au, 3.28g/t Au and ten ~1g/t Au samples.	
Y	5470150	**Drill Operator**	Morris Drilling		
z	469	**Drill Rig**	#1		
Azimuth	90	**Grid East**			
Dip	-50	**Grid North**			
Total Length	247.0	**Start Date**	9/24/2008		
Location		**End Date**	9/27/2008		
Grid		**Logged by**	A. Shannon, L. Tam		
Claim		**Date Logged**	9/26/2008		
NTS Mapsheet	052F07	**Sampled by**	A. Shannon, L. Tam		

Survey Data:

Depth	*Azimuth*	*Dip*
14.0	93.3	-50.7
62.0	92.8	-50.8
122.0	91.8	-50.8
182.0	92.4	-50.8
247.0	93.5	-50.9

Teck

From (m)	*To (m)*	*Geological Description*			*Field No*	*FROM*	*TO*	*INT. (m)*	*Au ICP ppm*	*Au Assay ppm*	*Ag ICP ppm*	*Ag Assay ppm*	*As ICP ppm*	*Au Plot ppm*	*As Plot ppm*
		Formation Name	*Litho Code*	*Litho Description*											
0.00	4.00		**OB**	**Casing/Overburden**											
		Alteration													
		Mineralization													
4.00	13.36		**1**	**Mafic Volcanic (undifferentiated)**	H442001	4.00	6.00	2.00	0.005		0.24		29.1	0.005	
		Mafic volcanic, fg to mg coherent rock, relatively fresh but cut by numerous randomly oriented ca veinlets that are anastomosing and planar			H442002	6.00	8.00	2.00	0.005		0.29		37.7	0.005	
		Alteration			H442004	8.00	10.00	2.00	0.003		0.23		24.3	0.003	
		4.0 7.9 CHL1 CAL2 SILt			H442005	10.00	12.00	2.00	0.097		0.49		20.8	0.097	
		locally minor variations in alteration,			H442006	12.00	14.00	2.00	0.066		0.56		18.6	0.066	
		7.9 13.4 CHL1 CAL3 SIL1 Ept													
		calcite dominated alteration, ranges from dark cl dominated to paler ca dominated alteration, end of interval has strong pervasive ca alteration associated wit ca veining,													
		Mineralization													
		4.0 13.4 overall tr py but py clots (loc 5-10%) associated with ca veins seen at 12.86m, 11.80m, 13.28m, virtually no sulphides present except for these locations													

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description
13.36	60.32		**1**	**Mafic Volcanic (undifferentiated)**

Mafic volcanic, with local plag phenocrysts 0.2 to 1.5cm, color ranges from light green to dark green-black, ca veining and pervasive ca alteration throughout, as well as loc si, ep, and pervasive cl alteration,

Alteration

13.4	32.9		CHL1	CAL2	SIL1	EP1
		local strong ca alteration, sometimes associated with py mineralization, patchy st ca alteration at 27.5 and 23.15				
32.9	33.5		CHL1	CAL3		Ept
		zone of intense ca random plainer veining and pervasive ca alteration				
33.9	42.1		CHL1	CAL2	SIL1	
		local strong ca alteration, sometimes associated with py mineralization, patchy st ca				
42.1	42.6		CHL1	CAL3	SIL2	
		zone of strong ca veining and pervasive ca alteration making rock pale				
42.6	52.1		CHL1	CAL2	SIL1	
		local strong ca alteration, sometimes associated with py mineralization, patchy st ca				
52.1	52.5		CHLt	CAL3	SIL3	
		zone of mod-highly silicified rock , with some sulphides associated				
52.5	54.5		CHL1	CAL2	SIL1	
		mod to weakly altered slightly breached appearance and few associated sulphides				
54.5	56.9		CHL1	CAL3 SER2	SIL2	
		moderately to strongly alerted with qz-se-ca causing buff beige color with numerous ca-cb planer veins cutting core at high c.a. angles				
56.9	60.3	BIO1	CHL2	CALt	SIL1	
		relatively fresh but vy dk green in color, patchy brown bi ass w py				

Mineralization

13.4	32.9	little sulphides except for few fractures containing clots of py and local po replacing phenocrysts 23.13 - 23.35 15% clots and disseminated py in and around a ca vein and ca alteration zone 24.24-24.35, 10% clots associated with a ca vein
32.9	34.1	tr py and tr po which is found in a ca vein
34.1	35.0	1% py with disseminated and py along fractures as blebs
35.0	50.4	tr py as loc disseminated patch @33.85, 2.5cm patch of disseminated py @41.35 py dominated vein
50.4	50.8	5% py along a curved fracture sub parallel to c.a.
50.8	52.1	tr py

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442007	14.00	16.00	2.00	0.005		0.29		17.2	0.005	
H442009	16.00	18.00	2.00	0.003		0.23		29.6	0.003	
H442010	18.00	20.00	2.00	0.005		0.37		30.9	0.005	
H442011	20.00	22.00	2.00	0.016		0.49		17.4	0.016	
H442012	22.00	24.00	2.00	2.69		48.9		18.5	2.69	
H442013	24.00	26.00	2.00	0.005		0.49		25	0.005	
H442014	26.00	28.00	2.00	0.005		0.48		33	0.005	
H442015	28.00	30.00	2.00	0.026		0.41		39.5	0.026	
H442017	30.00	32.00	2.00	0.005		0.5		28.6	0.005	
H442018	32.00	34.00	2.00	0.009		0.53		21.7	0.009	
H442019	34.00	36.00	2.00	0.014		0.57		14.5	0.014	
H442020	36.00	38.00	2.00	0.003		0.47		13.6	0.003	
H442021	38.00	40.00	2.00	0.003		0.39		21	0.003	
H442022	40.00	42.00	2.00	0.009		0.57		16.4	0.009	
H442024	42.00	44.00	2.00	0.004		0.5		15.1	0.004	
H442025	44.00	46.00	2.00	0.003		0.34		11	0.003	
H442026	46.00	48.00	2.00	0.009		0.44		12.9	0.009	
H442028	48.00	50.00	2.00	0.065		0.58		13	0.065	
H442029	50.00	52.00	2.00	0.029		1.05		8.8	0.029	
H442030	52.00	54.00	2.00	0.045		3.9		15	0.045	
H442031	54.00	56.00	2.00	0.336		4.39		14.2	0.336	
H442033	56.00	58.00	2.00	0.045		0.97		6.7	0.045	
H442034	58.00	60.32	2.32	0.038		1		10.2	0.038	

From (m)	To (m)	Geological Description			Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
		Formation Name	Litho Code	Litho Description											
52.1	52.5	5-8% py disseminated associated with ca alteration													
52.5	54.3	2-5% py found in loc disseminated patches													
54.3	55.3	tr py and minor fracture hosted py													
55.3	56.9	2% py in disseminated bands sub parallel to c.a. and associated with ca													
56.9	59.1	trace py with minor fracture hosted py													
59.1	60.3	1% py with													
60.32	95.06	**4b**	**Coarse Grained - Gabbro**		H442035	60.32	62.32	2.00	0.008		0.6		5.8	0.008	
		Gabbro ranging from medium grained to smaller intervals of fine grained, fairly homogenous texture of interlocking plagioclase and cl altered pyroxene crystals throughout, no sharp contacts observed on either side of interval, my be gradational contact or my be obscured by alteration			H442036	62.32	64.32	2.00	0.004		0.44		6	0.004	
					H442037	64.32	66.32	2.00	0.099		0.84		4	0.099	
					H442038	66.32	68.32	2.00	0.02		0.85		3.8	0.02	
					H442039	68.32	70.32	2.00	0.014		0.67		3.8	0.014	
					H442040	70.32	72.32	2.00	0.011		0.46		1.4	0.011	
					H442041	72.32	74.25	1.93	0.007		0.57		1.9	0.007	
					H442042	74.25	76.25	2.00	0.017		1.13		3	0.017	
					H442043	76.25	78.25	2.00	0.007		0.89		1.9	0.007	
					H442044	78.25	80.25	2.00	0.005		0.6		1.7	0.005	
					H442046	80.25	82.25	2.00	0.004		0.56		4.8	0.004	
					H442047	82.25	84.25	2.00	0.004		0.57		3.3	0.004	
					H442050	84.25	86.25	2.00	0.005		0.49		3.2	0.005	
					H442051	86.25	88.25	2.00	0.009		0.84		2.6	0.009	
					H442052	88.25	90.25	2.00	0.004		0.6		2.1	0.004	
					H442053	90.25	92.32	2.07	0.017		0.94		2.4	0.017	
					H442054	92.32	93.79	1.47	0.025		2.3		6	0.025	
					H442056	93.79	95.06	1.27	0.025		1.17		13	0.025	
		Alteration													
60.3	61.2	BIO1	CHL2	CALt SILt											
		moderately cl altered gabbro patchy brown bi ass w py													
61.2	63.1	BIO1	CHL2	CAL3 SIL2											
		mottled texture with pale patches (si ca) cutting darker (cl) less altered rock, patchy brown bi ass w py													
63.1	75.0		CHL2	SILt											
		relatively homogenous cl alteration with local thin ca veinlets and minor ca-si selvages													
75.0	79.9		CHL1	SIL2											
		area of higher degree of si alteration or could be primary luco gabbro													
79.9	92.3		CHL2	SILt											
		relatively homogenous cl alteration with local thin ca veinlets and minor ca-si selvages													
92.3	93.1		CHL1	SIL2											
		similar to previous interval but with less ca veinlets													
93.1	93.4		CHL1	CAL2 SIL1											
		higher degree of ca alteration which is associated with sulphides													
93.4	95.1		CHL2	SIL2											
		relative homogenous alteration of this gabbro with few ca veinlets													
		Mineralization													
60.3	67.6	tr py with one or two fractures lined with py													
67.6	67.8	5% py as small clots and less disseminated in this small interval													

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description
67.8	74.2	0.1 py as disseminated and minor fracture lining		
74.2	92.3	1% py with loc 2% , sulphides seen thin sulphide veinlets/sulphides lined fractures and disseminated sulphides		
92.3	93.1	1% py homogenously disseminated		
93.1	93.4	3-5% py as clots		
93.4	95.1	05-1% py disseminated and loc sulphides along fracture		
95.06	109.46	**3**	**Sediment**	

Mafic to intd composition sediments ? fine grained, looks similar to mafic volcanic rocks above but has hints of small clasts and has different alteration assemblage with abundant patch bi alteration and strong to loc intense si,

Alteration

95.1	96.1	BIO2	CAL1	SIL2
		moderately strain associated with alteration and moderate bleaching associated with sulphides		
96.1	98.2	BIO3	CALt	SIL2
		biotite patchy cut by ca veinlets		
98.2	98.8	BIO1	CAL2	SIL2
		moderately strained and bleached with sulphides associated		
98.8	103.2	BIO1	CAL1	SIL2
		patchy bi alteration forming brown patches on this black color rock		
103.2	109.5	BIOt	CALt	SIL2
		homogenous silisified , dark colored sediments		

Mineralization

95.1	96.1	8-10% py consistently speckled throughout interval , loc strained sulphides
96.1	98.2	3-5% py as disseminated and as strained/veinlets of py
98.2	98.8	5% py associated with ca alteration
98.8	103.0	2% py consistently throughout and py veins @99.73 , 102.64 , 102.85, py vein offset by ca veinlet
103.0	103.2	10% py in a thin zone of a diffuse sulphide-ca vein
103.2	108.0	0.5-.2% py finely disseminated and rare fracture filling
108.0	109.5	0.1-0.5% py finely disseminated with py vein @ 108.64m

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442057	95.06	97.06	2.00	0.103		1.7		27.4	0.103	
H442058	97.06	99.06	2.00	0.045		1.33		11	0.045	
H442059	99.06	101.06	2.00	0.022		1.54		2.5	0.022	
H442060	101.06	103.00	1.94	0.028		1.46		6	0.028	
H442061	103.00	105.00	2.00	0.029		1.34		8	0.029	
H442062	105.00	107.00	2.00	0.042		1.66		6.5	0.042	
H442063	107.00	109.00	2.00	0.029		1.17		3.5	0.029	
H442065	109.00	111.00	2.00	0.013		0.93		3.7	0.013	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
109.46	111.47			3	**Sediment**	H442066	111.00	113.00	2.00	0.02		1.1		3.6	0.02	

similar composition and alteration to previous but contains 1 to 7.5 mm white aphanitic clasts (likely not phenocrysts) cl and si alteration dominant with little sulphides

Alteration

109.5	111.5	CHL2	SER1	SIL4

very silicified matrix with softer clast due to sericitization

Mineralization

109.5	114.6	0.5% py finely disseminated

111.47	122.71			3	**Sediment**	H442067	113.00	115.00	2.00	0.029		1.39		8.9	0.029	
						H442068	115.00	117.00	2.00	0.067		2.76		20.9	0.067	
						H442070	117.00	119.00	2.00	0.134		3.01		31.6	0.134	
						H442071	119.00	121.00	2.00	0.089		2.71		22.4	0.089	
						H442072	121.00	122.75	1.75	0.02		1.42		7.7	0.02	

Sediments, fine grained, with locally clastic intervals with clast ranging from pale aphanitic (felsic) to grey/black (intd) usually well rounded and <3mm, 114.63 to 117.02 m highly altered interval with protolith unknown.

Alteration

111.5	114.6	CHL1		SIL3

grey/black in color , very hard (si) little associated sulphides

114.6	116.8	BIO1	CAL3	SIL2

highly altered interval with locally strong silicification. Calcite alteration as veins and pervasive. Sulphides associated with veins but not found within. Moderate strain.

116.8	117.8		SER1	SIL3

sericite in clasts. Very silicified matrix.

117.8	119.2	BIO1	CAL2	SIL4

silicification is pervasive throughout matrix. Biotite patchy. Calcite veining and pervasive.

119.2	122.7	CHL2	CAL2	SIL4

dark grey to black in color with paler intervals corresponding to higher calcite alteration

Mineralization

114.6	116.8	5-10% disseminated pyrite. Associated with veins but not in them.
116.8	117.8	0.5-1% finely disseminated pyrite. Locally up to 2%.
117.8	119.2	2-3% disseminated pyrite. Locally have patches up to 5%. Pyrite concentrated near veins but occurs pervasively throughout.
119.2	119.9	2-5% pyrite. Diss + numerous pyrite stringers.
119.9	120.0	10-15% pyrite. 2 large clots of pyrite.
120.0	120.9	2-5% disseminated pyrite. At least 2 clots and numerous py veinlets.
120.9	122.7	1-3% disseminated pyrite. Small clots and stringers.

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm

122.71 134.69 **2 Felsic Volcanic**

Felsic volcanic. Overall aphanitic, highly siliceous. Possibly felsic debris flow due to presence of sub angular to angular clasts (2 cm or less). At 131.30 m, 20 cm QFP clast.

Alteration

122.7	130.7	CAL1	SIL3	pervasive silicification. Occasional calcite veins.
130.7	134.7	CAL3	SIL3	Similar to interval above, except have more abundant and thicker calcite veins.

Mineralization

122.7	124.1	2-5% pyrite. Locally veined and overall in small clots (5 mm or less).
124.1	129.6	0.5-1% disseminated pyrite. Locally 5% in narrow bands @ 126.5 m, 127 m, 127.87 m.
129.6	134.7	mostly disseminated pyrite. 1-5%. Occasional patches of pyrite up to 1 cm and stringers 1-2 mm thick.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442073	122.75	124.75	2.00	0.76		8.91		33.4	0.76	
H442074	124.75	126.75	2.00	0.067		2.07		24.7	0.067	
H442076	126.75	128.75	2.00	0.018		1.66		11.8	0.018	
H442077	128.75	130.75	2.00	0.078		3.59		46.9	0.078	
H442078	130.75	132.75	2.00	0.147		5.62		88	0.147	
H442079	132.75	134.75	2.00	0.175		3.79		56.4	0.175	

134.69 146.00 **3 Sediment**

Intermediate(?) composition sediments. At 136.61 m and 136.69 m have 2 sub rounded felsic clasts ~4 cm. Have patches (minor intervals) of different, intense alteration (Si, Se) that may be clasts. Due to the intensity and pervasiveness of alteration, it is difficult to see primary textures.

Alteration

134.7	146.0	CAL2	SER1	SIL3	Highly silicified. Local sericite alteration within the minor intervals. Appears rock was sericitized first and then silicification occurred. Calcite is in veins and is locally moderate in abundance.

Mineralization

134.7	141.4	0.5-3% pyrite. Diss and occasional stringers. Increased pyrite associated with the intervals of different, intense alteration.
141.4	144.9	0.1-0.5% pyrite. Diss as well as local calcite veinlets with sulphides.
144.9	146.0	1-2% disseminated pyrite associated with increased calcite.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442080	134.75	136.75	2.00	0.072		1.53		39.8	0.072	
H442082	136.75	138.75	2.00	0.102		1.39		52.7	0.102	
H442083	138.75	140.75	2.00	0.213		1.83		53.9	0.213	
H442084	140.75	142.75	2.00	0.08		1.38		29.7	0.08	
H442085	142.75	144.75	2.00	0.038		0.9		30.2	0.038	
H442086	144.75	146.00	1.25	1.385		3.54		36	1.385	

146.00 155.37 **5 QFP Felsic Intrusive**

Quartz poor QFP. Dark grey to beige and has mottled appearance in places. Varies from phenocryst rich to phenocryst poor. Dominated by subhedral to euhedral feldspar phenocrysts with occasional rounded quartz up to 2 mm. Feldspar phenocrysts are up to 8 mm in phenocryst rich sections and up to 1 mm in the finer, phenocryst poor sections.

Alteration

146.0	155.4	CAL1	SER2	

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442088	146.00	148.00	2.00	0.011		0.17		6.4	0.011	
H442089	148.00	150.00	2.00	0.006		0.11		3.8	0.006	
H442090	150.00	152.00	2.00	0.003		0.11		3.7	0.003	
H442091	152.00	154.00	2.00	0.005		0.22		10	0.005	
H442092	154.00	155.34	1.34	0.004		0.19		10.7	0.004	
H442093	155.34	157.34	2.00	0.054		1.46		30.7	0.054	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
		Patchy sericite alteration. Calcite veins up to 1 mm.			
		Mineralization			
146.0	155.4	0.1-0.5% disseminated pyrite.			

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442094	157.34	159.34	2.00	0.018		0.9		15	0.018	
H442096	159.34	161.00	1.66	0.009		0.74		7.2	0.009	
H442097	161.00	163.00	2.00	0.057		1.8		9.8	0.057	
H442098	163.00	165.00	2.00	0.007		0.56		4.9	0.007	
H442099	165.00	167.00	2.00	0.006		0.49		7.8	0.006	
H442100	167.00	169.00	2.00	0.007		0.53		8.5	0.007	
H442101	169.00	171.00	2.00	0.007		0.48		9.4	0.007	
H442102	171.00	173.00	2.00	0.013		0.73		8.9	0.013	
H442103	173.00	175.00	2.00	0.011		0.7		7.8	0.011	
H442105	175.00	176.67	1.67	0.011		0.7		10.8	0.011	

155.37 176.67 **3 Sediment**

Fine grained mafic(?) sediments. Possible large clast between 162.65 m and 162.92 m. Other clasts vary in composition from felsic to possibly mafic (almost same colour as matrix). Generally, clasts are small. No primary textures observed likely due to strong alteration. Epidote veining throughout ranging from 1-2 mm veins to more abundant, veins and patches up to 8 mm wide.

Alteration

155.4	157.6	CHL2	CAL2	SIL3		
		Chlorite alteration mostly associated with calcite veins and patches. Chlorite present along the edges of calcite veins and within as veinlets. Pervasive silicification.				
157.6	161.2	BIO1	CAL2	SIL3	Ept	
		Biotite is patchy and in thin bands and associated with the disseminated pyrite. Silicification is pervasive. Calcite is in veins up to 5 mm wide.				
161.2	161.5	BIO3	CAL2	SIL3	Ept	
		Biotite in bands and occurring with calcite and epidote alteration. Epidote is minor and is only in small veinlets associated with the calcite. Increased pyrite seen in the more altered band with biotite.				
161.5	172.6	BIO1	CAL1	SIL3	EP2	
		Pervasive strong silicification. Abundant epidote veins that appear often associated with calcite veins. Pyrite clots are localized usually within the veins. Biotite present only as localized 2 cm wide bands containing pyrite.				
172.6	176.7	BIO1	CAL1	SIL3	EP1	
		Similar to above interval except less abundant epidote veining. Localized patchy epidote at 174.65 m.				

Mineralization

155.4	157.6	0.5-2% disseminated pyrite with localized stringers. Pyrite associated with the calcite veins but not exclusively within them.
157.6	160.6	0.1-0.5% disseminated pyrite.
160.6	161.5	1-4% pyrite in clots and associated with bands of biotite alteration. Also have disseminated pyrite throughout.
161.5	163.5	0.1-0.5% disseminated pyrite, some cubic. Up to 2% cubic pyrite within band of biotite alteration at 163.15 m.
163.5	171.7	0.1% finely disseminated pyrite. Up to 1% disseminated pyrite locally within 2 cm wide bands with more intense biotite alteration.
171.7	172.5	0.1-0.5% disseminated pyrite. Localized clots within patches of epidote and calcite.

From (m)	To (m)	Geological Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
		Formation Name *Litho Code* *Litho Description*											
172.5	176.7	0.1-0.5% finely disseminated pyrite with some clots and stringers. Most abundant pyrite mineralization is in a calcite vein @ 174.51 m.											
176.67	179.69	**3 Sediment**	H442106	176.67	178.50	1.83	0.053		1.08		10.4	0.053	
		Fine grained intermediate or mafic sediments? Several sub angular to rounded clasts observed @ 179.57 m. Clasts are aphanitic felsic and felsic intrusive. No other sedimentary features observed although rock is heavily altered with silicification, calcite, epidote and biotite.	H442107	178.50	179.69	1.19	0.095		1.3		16.7	0.095	
		Alteration											
	176.7	178.0 BIO1 CAL2 SIL3 EP1											
		Several 2-3 cm wide calcite veins with possibly increased pyrite within them. Silicification is pervasive and biotite alteration is patchy throughout. Pyrite is also occurring in greater abundance in the biotite rich areas.											
	178.0	178.8 BIO1 CAL2 SIL3 EP3											
		similar to above except have abundant epidote and epidote-calcite veins. Less pyrite in this section.											
	178.8	179.7 BIO1 CAL2 SIL3 Ept											
		Silicification is pervasive. Patchy biotite where there is more pyrite occurring. Only trace mm size epidote veins.											
		Mineralization											
	176.7	178.0 1-2% pyrite clots and also finely disseminated crystals. Coarser clots appear to be associated with calcite veins but not restricted to them.											
	178.0	178.8 0.1-0.5% finely disseminated pyrite that appears to be associated with the patchy biotite alteration. Occasional localized clots in epidote or calcite veins.											
	178.8	179.7 1-2% pyrite in small clots and finely disseminated. Pyrite occurs throughout but appears more concentrated in areas with patchy biotite alteration.											
179.69	180.41	**6 Mafic Dyke**	H442108	179.69	180.41	0.72	0.015		0.48		10.7	0.015	
		Porphyritic dyke. Hornblende and feldspar phenocrysts (2-4 mm) in medium grained mafic(?) groundmass.											
		Alteration											
	179.7	180.4 SIL3											
		Pervasive silicification.											
		Mineralization											
	179.7	180.4 Trace amount of pyrite in 1-3 mm clots.											

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
180.41	184.52	Fine grained intermediate(?) sediments. Abundant plagioclase crystals (1-2 mm) within matrix that have altered to epidote. Very strong pervasive silicification. Several possible sub rounded clasts that have also been strongly epidotized.		3	Sediment

Alteration

180.4	184.5	BIO1	CHL1	CAL2		SIL3	EP3

Biotite occurs in patches along with disseminated pyrite. Chlorite is in stringers within and along the edges of the calcite veins. Pervasive epidote occurring in veins and altering 1-2 mm feldspar crystals.

Mineralization

180.4	182.7	0.1-0.5% pyrite in clots and stringers within calcite veins and lesser amount in biotite patches. Minor amount is disseminated throughout.
182.7	183.6	1-2% pyrite in clots. Most abundant in section with strain near a calcite vein. Pyrite is concentrated in calcite veins but not exclusively.
183.6	185.5	0.1-0.5% pyrite in clots. Lesser amount is disseminated within the epidotized plagioclase crystals. Clots of pyrite occur with calcite veins but not necessarily within them.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442110	180.41	182.41	2.00	0.031		0.9		15.8	0.031	
H442111	182.41	184.41	2.00	0.022		0.94		20.7	0.022	
H442112	184.41	186.41	2.00	0.017		0.83		9.2	0.017	

184.52	187.28	Fine grained intermediate to mafic(?) sediments. Pervasively silicified as above, but fewer epidotized plagioclase crystals. Possible clasts, but most textures have been covered by the alteration.		3	Sediment

Alteration

184.5	187.3	BIO1	CHL1	CAL2		SIL3	EP2

Patchy biotite perhaps associated with disseminated pyrite. Epidote alteration is in veins and often occurs with calcite. Veins @ ~186 m occurring very close to c.a.

Mineralization

185.5	193.9	0.1% finely disseminated pyrite. @ 187.85 m have calcite vein surrounded by biotite and up to 1% pyrite locally.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442113	186.41	188.41	2.00	0.01		0.73		9.1	0.01	

187.28	192.00	Fine grained intermediate or mafic(?) sediments. Abundant plagioclase crystals (1-2 mm) within matrix that have altered to epidote. Very strong pervasive silicification.		3	Sediment

Alteration

187.3	192.0	BIO2	CHLt	CAL1		SIL4	EP3

Very intense, pervasive silicification. Epidote occurring in 1-2 mm randomly oriented veins and alteration on 1-2 mm feldspar crystals. Biotite is patchy and pyrite clots often occur within them. Occasional calcite veins. Disseminated pyrite and clots appear to follow along these.

Mineralization

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442114	188.41	190.41	2.00	0.013		0.73		6.8	0.013	
H442115	190.41	192.00	1.59	0.022		0.9		7.2	0.022	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
192.00	211.84	**3**		**Sediment**	

Fine grained intermediate to mafic(?) sediments. Epidotized plagioclase crystals are less abundant than above, occurring only locally. Hints of clasts, often present as sub rounded patches of epidote and calcite. Locally more homogenous sections? (darker in colour and less "patchy"). No primary features visible likely due to intense pervasive alteration.

Alteration

192.0	193.9	BIO1	CAL1	SIL4	EP2

Intense silicification. Patchy biotite associated with disseminated, occasionally euhedral, pyrite. Minor calcite veining, associated with epidote veins?

193.9	195.7	BIO3	CAL2	SIL4	

Patchy biotite alteration concentrating finely and coarsely disseminated pyrite in direction of strain. Calcite veins surrounding these patches. Intense pervasive silicification.

195.7	200.9	BIO1	CAL2	SIL4	

Possibly more homogenous sediments as this section is lacking epidotized crystals and clasts. Also, patches of biotite are much more localized and weaker in intensity. Biotite patches occur with calcite, but calcite is also in vein form. Pyrite occurs with the biotite and calcite.

200.9	205.8	BIO1	CHLt	CAL2	SIL4	EP2

Intense pervasive silicification. Large patches of epidote and silicification. Mineralization occurs in fine clots or disseminated within calcite veins. Localized, coarser pyrite clots are in biotite patches. Trace chlorite in calcite veins and patches.

205.8	209.2	BIO2	CHLt	CAL3	SIL4	

Intense pervasive silicification. Trace chlorite in calcite veins. Calcite occurs on its own but also with biotite, sometimes intermingled and sometimes in discrete bands, both containing disseminated pyrite.

209.2	211.8	BIO2	CAL3	SIL4	EP1

Possibly more homogenous sediments? Intense pervasive silicification. Calcite is pervasive and in large veins. Sulphides appear to be associated with these patches and veins or in the locally occurring biotite patches.

211.8	219.6	BIO1	CAL1	SIL4	EP1

Intense pervasive silicification. Epidote is in localized patches that may be clasts. Biotite is patchy and increased amounts of pyrite are found within them.

Mineralization

193.9	195.0	0.5-2% pyrite in 1-5 mm clots. Mostly associated with patchy biotite alteration (up to 2% in these sections) but also some finely disseminated throughout.
195.0	195.6	5-10% pyrite in patches made up of finely disseminated grains and some stringers. May be associated with calcite-quartz veins as they follow the trend of these.
195.6	197.5	0.5-1% pyrite. Mostly in clots occurring in patches of biotite alteration.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442117	192.00	194.00	2.00	0.011		0.61		6.8	0.011	
H442118	194.00	196.00	2.00	0.157		1.33		26.7	0.157	
H442119	196.00	198.00	2.00	0.034		0.93		14	0.034	
H442120	198.00	200.00	2.00	0.015		0.64		10.4	0.015	
H442121	200.00	202.00	2.00	0.019		0.76		10.6	0.019	
H442122	202.00	204.00	2.00	0.157		2.25		15.5	0.157	
H442124	204.00	206.00	2.00	0.009		0.66		16.6	0.009	
H442125	206.00	208.00	2.00	0.019		1.31		16.9	0.019	
H442126	208.00	209.21	1.21	0.051		1.88		16.6	0.051	
H442127	209.21	211.84	2.63	0.45		10.65		13.9	0.45	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
197.5	206.2	0.1% pyrite, overall finely disseminated, but clots occurring in patches of biotite alteration and occasionally in calcite veins.			
206.2	209.2	0.1-1% pyrite, overall finely disseminated, but clots occurring in patches of biotite alteration and occasionally in calcite veins.			
209.2	211.7	1-4% pyrite occurring in clots and stringers. In area of more intense biotite and calcite alteration. Pyrite mineralization also appears to be concentrated in areas of strain.			
211.7	219.1	0.1% pyrite disseminated pervasively with occasional patches of biotite alteration that contain an increase in sulphide clots.			

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
211.84	220.53	**3 Sediment** Fine grained intermediate to mafic sediments. Similar to above but appear more homogenous due to lack of abundant epidotized plagioclase crystals. Occasional clasts are sub rounded and exhibit intense silicification and are epidotized.			
		Alteration			
219.6	220.5			CAL3 SIL4 EP3	
		Large patches of epidote and calcite alteration occurring together(possibly altered clasts?) and 1-5 mm veins of epidote. Intense pervasive silicification.			
		Mineralization			
219.1	220.5	0.1-0.5% pyrite disseminated pervasively with occasional patches of biotite alteration that contain an increase in sulphide clots.			

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442128	211.84	213.84	2.00	0.021		1.17		14.7	0.021	
H442130	213.84	215.84	2.00	0.015		0.64		15	0.015	
H442131	215.84	217.84	2.00	0.022		0.78		17.7	0.022	
H442132	217.84	219.84	2.00	0.011		0.52		13.4	0.011	
H442133	219.84	220.53	0.69	0.013		0.75		20.8	0.013	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
220.53	247.00	**2 Felsic Volcanic** Clastic intd to felsic volcanic, sections with abundant feldspar phenocrysts, that are weakly se altered,, local pervasive ca alteration associated with small amounts of py 220.54-225.84 phenocryst (1-5mm) poor (<5%) with dark (mafic) sub rounded crystals? 225.84-247 extremely homogenous feldspar (1-5mm tabular to rounded) rich (~20%) volcanic rock mottled beige (feldspars) - dk grey (matrix and mafics)			
		Alteration			
220.5	226.8			CHL2 SER1 SIL2	
		Fairly homogenous alteration. Sericite affecting plagioclase.			
226.8	233.0			CHL3 CAL3 SER1 SIL1	
		Fairly homogenous alteration. Sericite affecting plagioclase.			

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442135	220.53	222.53	2.00	0.002		0.17		7.7	0.002	
H442136	222.53	224.53	2.00	0.004		0.14		7.3	0.004	
H442137	224.53	226.53	2.00	0.004		0.16		5.2	0.004	
H442138	226.53	228.53	2.00	0.004		0.15		5.1	0.004	
H442139	228.53	230.53	2.00	0.006		0.19		3.3	0.006	
H442140	230.53	232.53	2.00	0.003		0.12		3.6	0.003	
H442141	232.53	234.53	2.00	0.004		0.1		4.1	0.004	
H442142	234.53	236.53	2.00	0.005		0.17		3.9	0.005	
H442144	236.53	238.53	2.00	0.008		0.14		4.8	0.008	
H442145	238.53	240.53	2.00	0.003		0.17		4.5	0.003	
H442146	240.53	242.53	2.00	0.003		0.18		3.5	0.003	
H442147	242.53	244.53	2.00	0.006		0.15		3.5	0.006	
H442148	244.53	247.00	2.47	0.002		0.11		3.6	0.002	

Hole_ID	TC08-07
Project	Thundercloud
X	534309
Y	5470308
z	468
Azimuth	90
Dip	-50
Total Length	302.0
Location	
Grid	
Claim	
NTS Mapsheet	052F07

Hole Type	Core
Survey Type	Reflex
Hole Diameter	NQ
Drill Operator	Morris Drilling
Drill Rig	#1
Grid East	
Grid North	
Start Date	9/27/2008
End Date	10/2/2008
Logged by	L. Tam, A. Shannon
Date Logged	10/1/2008
Sampled by	L. Tam, A. Shannon

Purpose/Comments:

The pad was west of thundercloud road and was drilled under the road and under Glatz's "Area 6". This hole tested the over five 1-5g/t Au assays from Glatz's "Area 6" as well as the edge of a chargeability and magnetic high. This was the first hole to potentially connect the Glatz "Zone 1" (TC08-06) to the south, with the Armstrong showing to the north.

Survey Data:

Depth	*Azimuth*	*Dip*
14.0	88.9	-49.2
62.0	89	-49.2
122.0	89.6	-48.8
182.0	90.2	-48.6
302.0	93.4	-48.8

Teck

From (m)	*To (m)*	*Geological Description* / *Formation Name*	*Litho Code*	*Litho Description*
0.00	5.46		**OB**	**Casing/Overburden**

Alteration

Mineralization

From (m)	*To (m)*	*Geological Description* / *Formation Name*	*Litho Code*	*Litho Description*
5.46	15.40		**2a**	**QFP debris flow/ breccia**

Polymictic Quartz-feldspar porphyritic volcaniclastic (flow?). Light grey to medium brown grey in colour with a slight to moderate mottled appearance. Clasts are either QFP or aphanitic felsic and are angular to sub angular. Quartz grains are generally euhedral, locally rounded or broken grains, and ranges in size from 1 mm to 12 mm. Feldspar grains are angular but some are rounded as well and range in size from less than 1 mm up to 6 mm. The clasts and phenocrysts are set in a hard fine grained matrix made up of ash size material.

Alteration

5.5	15.4	CAL1	SER1	SIL2

Pervasively silicified with occasional calcite veins and sericite along veins.

Mineralization

5.5	11.6	0.1-0.5% finely disseminated pyrite.
11.6	17.8	0.1% finely disseminated pyrite.

Field No	*FROM*	*TO*	*INT. (m)*	*Au ICP ppm*	*Au Assay ppm*	*Ag ICP ppm*	*Ag Assay ppm*	*As ICP ppm*	*Au Plot ppm*	*As Plot ppm*
H442150	6.00	8.00	2.00	0.011		0.16		6.4	0.011	
H442151	13.40	15.40	2.00	0.01		0.12		7.3	0.01	

From (m)	To (m)	Geological Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
15.40	17.83	**2a QFP debris flow/ breccia** Quartz-feldspar porphyritic volcaniclastic (flow?). Light grey-yellow colour and fairly homogenous appearance. At 17.42 m have a 6 cm wide sericitized vein(?) with a greater concentration of disseminated pyrite. Quartz grains are generally angular, occasionally rounded, and ranges in size from 1 mm to 12 mm. Feldspar grains are angular but some are rounded as well and range in size from less than 1 mm up to 6 mm. The grains and clasts are set in a fine grained matrix of likely quartz and feldspar. **Alteration** 15.4 17.8 SER2 SIL2 Sericite alteration is patchy and along veins. Pervasive silicification. **Mineralization**	H442152	15.40	17.83	2.43	0.025		0.17		7.1	0.025	
17.83	26.85	**2a QFP debris flow/ breccia** Quartz-feldspar porphyritic volcaniclastic (flow?). Light grey-brown colour with moderate mottled appearance. Clasts are sub angular and aphanitic felsic or QFP. Quartz grains are angular and broken to occasionally rounded and up to 8 mm. Feldspar grains are angular but some are rounded as well and range in size from less than 1 mm up to 6 mm. The grains and clasts are set in a fine grained matrix of likely quartz and feldspar. At 26.07 m, have a fine grained mafic dyke, 13 cm wide with moderate chlorite alteration and silicification. Grains appear to be interlocking. **Alteration** 17.8 26.9 CAL1 SERt SIL3 Strong, pervasive silicification. local calcite veins and trace sericite within veins and lining fractures. At 26.07 m, have fine grained mafic dyke with weak chlorite alteration. **Mineralization** 17.8 52.2 0.1-0.5% finely disseminated pyrite. At 26.07 m, have 13 cm wide fine grained mafic dyke with 0.1% very fine grained disseminated pyrite.	H442153	17.83	19.83	2.00	0.008		0.12		6.8	0.008	
			H442154	24.85	26.85	2.00	0.025		0.2		9.8	0.025	
26.85	31.61	**2a QFP debris flow/ breccia** Quartz-feldspar porphyritic volcaniclastic (flow?). Medium to dark grey-brown colour with slight mottled appearance. Clasts are sub angular and aphanitic felsic or QFP. Quartz grains are angular and broken to occasionally rounded and up to 8 mm. Feldspar grains are angular but some are rounded as well and range in size from less than 1 mm up to 6 mm. The grains and clasts are set in a fine grained matrix of mainly quartz and some feldspar. **Alteration** 26.9 31.6 BIO2 CALt SERt SIL3 Patchy biotite and strong pervasive silicification. Trace sericite along veins. Veins are less than 1 mm and quartz and quartz-calcite.	H442155	26.85	28.85	2.00	0.097		0.21		15.3	0.097	
			H442157	28.85	30.61	1.76	0.025		0.16		10.3	0.025	
			H442158	30.61	31.61	1.00	0.033		0.17		13.3	0.033	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm

Mineralization

31.61 41.28 **2a** **QFP debris flow/ breccia**

Quartz-feldspar porphyritic volcaniclastic (flow?). Light grey-brown colour with slight mottled appearance. Clasts are sub angular and aphanitic felsic or QFP. Quartz grains are angular and broken to occasionally rounded and up to 8 mm. Feldspar grains are angular but some are rounded as well and range in size from less than 1 mm up to 6 mm. The grains and clasts are set in a fine grained matrix of likely quartz and feldspar.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442159	31.61	33.61	2.00	0.012		0.17		9.8	0.012	
H442160	39.28	41.28	2.00	0.017		0.14		10.3	0.017	

Alteration

31.6	41.3		CAL1	SER1	SIL3

Sericite alteration is in veinlets and locally in patches in matrix, likely altering feldspar. Silicification in strong and pervasive. Occasional small calcite veins.

Mineralization

41.28 72.93 **2a** **QFP debris flow/ breccia**

Quartz-feldspar porphyritic volcaniclastic (flow?). Light grey-brown colour with slight mottled appearance. Similar to above, but matrix appears slightly more homogenous. Clasts are sub angular and aphanitic felsic or QFP. Quartz grains are angular and broken to occasionally rounded and up to 8 mm. Feldspar grains are angular but some are rounded as well and range in size from less than 1 mm up to 6 mm. The grains and clasts are set in a fine grained matrix of likely quartz and feldspar. At 54.15 m, have 20 cm wide fine to medium grained mafic dyke with interlocking amphibole and feldspar. At 69.71 m, have another similar mafic dyke 8 cm wide.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442161	41.28	43.28	2.00	0.015		0.16		7.1	0.015	
H442162	43.28	45.28	2.00	0.018		0.32		8.5	0.018	
H442163	67.71	69.71	2.00	0.008		0.12		14.3	0.008	
H442165	70.93	72.93	2.00	0.013		0.16		15.7	0.013	

Alteration

41.3	71.0	CHLt	CAL1	SER1	SIL2

Moderate, pervasive silicification. Patchy and vein sericite and calcite, sometimes with trace chlorite. Possibly dolomite(?) or other carbonate occurring with calcite in veins. At 54.15 m and 69.71 m, have 20 cm fine grained mafic dyke and 8 cm fine grained mafic dyke, respectively, with chlorite altering amphibole and sericite altering feldspar.

71.0	77.7		CAL2	SIL2

Moderate, pervasive silicification. Calcite is in veins and patches and occurs with dolomite or other carbonate. Pyrite appears to be concentrated in these carbonate veins.

Mineralization

52.2	71.0	0.1% finely disseminated pyrite. 20 cm wide fine grained mafic dyke at 54.15 m contains only trace pyrite. 8 cm wide fine grained mafic dyke at 69.71 m contains possible trace pyrite (very fine).
71.0	77.7	0.1-0.5% finely disseminated pyrite.

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442166	72.93	75.00	2.07	0.022		0.23		15.8	0.022	
H442167	84.68	86.68	2.00	0.008		0.12		16.7	0.008	

72.93 86.68 **2a** **QFP debris flow/ breccia**

Quartz-feldspar porphyritic volcaniclastic (flow?). Light-medium grey-brown colour with moderately mottled appearance. Clasts are sub angular and aphanitic felsic or QFP, occasional replacement(?) by pyrite. Quartz grains are angular and broken to occasionally rounded and up to 8 mm. Feldspar grains are angular but some are rounded as well and range in size from less than 1 mm up to 6 mm. The grains and clasts are set in a fine grained matrix of likely quartz and feldspar, with more quartz than feldspar.

Alteration

77.7 86.7 CHLt CAL1 SER1 SIL2

Moderate, pervasive silicification. Patchy and vein sericite and calcite, sometimes with trace chlorite. Possibly dolomite(?) or other carbonate ocurring with calcite in veins.

Mineralization

77.7 86.7 0.1% finely disseminated pyrite.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442168	86.68	87.87	1.19	0.001		0.21		6.5	0.001	

86.68 87.87 **6** **Mafic Dyke**

Dark grey-green medium grained mafic dyke. Interlocking 1-2 mm amphibole and feldspar with moderate chlorite and sericite alteration. Sharp contact on either side with clastic quartz-feldspar porphyry.

Alteration

86.7 87.9 CHL2 CAL1 SER1 SIL2

Moderate, pervasive silicification. Patchy chlorite alteration amphibole grains. Sericite likely altering plagioclase. Calcite veinlets less than 1 mm.

Mineralization

86.7 87.9 From 86.68 m to 86.89 m have 0.5-1% finely disseminated pyrite and pyrite stringers. From 86.89 m to 87.87 m have 0.1-0.5% finely disseminated pyrrhotite and this section is slightly magnetic with a pen magnet.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442169	87.87	89.87	2.00	0.007		0.17		19.8	0.007	
H442170	97.39	99.39	2.00	0.01		0.16		26.5	0.01	

87.87 99.39 **2a** **QFP debris flow/ breccia**

Quartz-feldspar porphyritic volcaniclastic (flow?). Light-medium grey-brown colour with slightly to moderately mottled appearance. Clasts are sub angular and aphanitic felsic or QFP. Quartz grains are angular and broken to occasionally rounded and up to 8 mm. Feldspar grains are angular but some are rounded as well and range in size from less than 1 mm up to 6 mm. The grains and clasts are set in a fine grained matrix of likely quartz and feldspar, with more quartz than feldspar.

Alteration

87.9 99.4 CAL2 SER1 SIL2

Pervasive silicification. Patchy sericite (probably after feldspar). Calcite in veins and occurs with another carbonate (dark grey to black), possibly dolomite?

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
		Mineralization													
		87.9 116.0 0.1% very finely disseminated pyrite. Overall, fairly consistent mineralization but have locally only trace amounts of disseminated pyrite.													
99.39	103.54	**2a QFP debris flow/ breccia**			H442171	99.39	101.39	2.00	0.01		0.19		20.1	0.01	
		Quartz-feldspar porphyritic volcaniclastic (flow?). Light grey-yellow overall colour. Siliceous. Lacks mottled texture of units on either side. Clasts are sub angular and aphanitic felsic or QFP. Quartz grains are angular and broken to occasionally rounded and up to 15 mm. Feldspar grains are angular but some are rounded as well and range in size from less than 1 mm up to 6 mm. The grains and clasts are set in a fine grained matrix of likely quartz and feldspar.			H442173	101.39	103.54	2.15	0.01		0.23		15.4	0.01	
		Alteration													
		99.4 103.5	CAL1	SER2 SIL2											
		Pervasive silicification. Sericite is patchy and along veins. Calcite also patchy and in veins and occurring with dolomite(?) and other carbonate.													
		Mineralization													
103.54	116.29	**2a QFP debris flow/ breccia**			H442174	103.54	105.54	2.00	0.012		0.29		16.8	0.012	
		Quartz-feldspar porphyritic volcaniclastic (flow?). Light-medium grey-brown colour with slightly to moderately mottled appearance. Clasts are sub angular and aphanitic felsic or QFP. Quartz grains are angular and broken to occasionally rounded and up to 8 mm. Feldspar grains are angular but some are rounded as well and range in size from less than 1 mm up to 6 mm. The grains and clasts are set in a fine grained matrix of likely quartz and feldspar.			H442175	112.29	114.29	2.00	0.018		0.41		10.6	0.018	
					H442176	114.29	116.29	2.00	0.008		0.2		15	0.008	
		Alteration													
		103.5 110.7	BIO1	CAL1 SER1 SIL3											
		Patchy biotite? Minor calcite in veins and patches. Possibly other carbonates in veins (little reaction with dilute HCl). Patchy sericite alteration after plagioclase.													
		110.7 113.1	CAL1	SER2 SIL2											
		Pervasive silicification. Moderate, patchy sericite and occasional calcite in veins.													
		113.1 116.3	CAL1	SER1 SIL2											
		Pervasive silicification. Patchy sericite and occasional calcite in veins.													
		Mineralization													
		116.0 119.0 0.1-1% disseminated pyrite. 0.1-0.5% pyrite in the volcaniclastic immediately adjacent to the basalt. Locally, up 2% patchy clots of pyrite within the altered basalt.													

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
116.29	125.43			1a	**Pillowed basalt +/- Vavioles**

Basalt. Grey to green-black in colour. Aphanitic with pillow selvages. Pillow selvages are moderately to strongly chloritized and also exhibit moderate amounts of calcite veining. The upper contact with the quartz-feldspar porphyritic volcaniclastic is moderately sharp, while the lower contact is sharp, but slightly less so. The quartz-feldspar volcaniclastic is encountered again at 117.52 m for ~10 cm. Alteration through this unit consists of moderate to strong pervasive silicification, and variable amounts of chlorite, biotite and calcite alteration. The intensity of the alteration changes gradationally and decreases with depth through the basalt, but increases again toward the lower contact.

Alteration

116.3	119.0	BIO3	CHL3	CAL3	SIL2

Moderate pervasive silicification. Biotite and chlorite are patchy. Calcite often occurs with them and also in veins.

119.0	123.9	BIO1	CHL3	CAL2	SIL3

Strong pervasive silicification. Small patches of biotite. Moderate amount of calcite veining with chlorite often occurring in/near the veins. Chlorite is also pervasive throughout the rock and in strong intensity within the pillow selvages.

123.9	125.4	BIO2	CHL3	CAL3	SIL2

Moderate pervasive silicification. Biotite and chlorite are patchy. Calcite often occurs with them and also in veins.

Mineralization

119.0	125.4	0.1% very fine disseminated pyrite through the basalt.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442178	116.29	118.00	1.71	0.014		0.48		25	0.014	
H442179	118.00	119.00	1.00	0.032		0.68		12.2	0.032	
H442180	119.00	121.00	2.00	0.015		0.53		12.1	0.015	
H442181	121.00	123.00	2.00	0.006		0.46		14.9	0.006	
H442182	123.00	123.89	0.89	0.004		0.39		15	0.004	
H442183	123.89	125.33	1.44	0.006		0.46		15.8	0.006	
H442184	125.33	127.33	2.00	0.012		0.36		21.5	0.012	

125.43	129.23			2	**Felsic Volcanic**	

Felsic(?) volcanic conglomerate. Polymictic with sub angular to sub rounded clasts. Fine grained matrix with occasional rounded quartz grains. Moderately sharp, but wavy, upper contact with the basalt and more subtle, gradational contact with the lower quartz-feldspar porphyritic volcaniclastic.

Alteration

125.4	129.2	BIO1	CHL3	CAL2	SIL1

Patchy chlorite and minor biotite. Calcite is in patches throughout the rock in clasts and matrix and also in veins.

Mineralization

125.4	129.2	0.5-2% pyrite in small clots throughout clasts and matrix. Lesser amounts of fine disseminated pyrite as well. Locally, have 0.1-0.5% pyrite in clots for ~1 m at start of this interval.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442186	127.33	129.25	1.92	0.018		0.44		23.1	0.018	

From (m)	To (m)	Geological Description	Litho Code	Litho Description
		Formation Name		

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442187	129.25	131.25	2.00	0.008		0.21		8.8	0.008	
H442188	131.25	133.28	2.03	0.002		0.05		6.8	0.002	

129.23 133.28 **2a QFP debris flow/ breccia**

Quartz-feldspar porphyritic volcaniclastic (flow?). Light grey-yellow overall colour. Siliceous. Slight to moderate mottled texture. Clasts are sub angular and aphanitic felsic or QFP. Quartz grains are rounded to broken and up to 8 mm. Feldspar grains are angular but some are rounded as well and range in size from less than 1 mm up to 6 mm. The grains and clasts are set in a fine grained matrix of likely quartz and feldspar.

Alteration

129.2	133.3	CAL1	SER2	SIL1

Pervasive silicification. Patchy sericite altering plagioclase. Minor calcite appears to be in small veins.

Mineralization

129.2	134.2	0.1% fine disseminated pyrite.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442189	133.28	134.16	0.88	0.002		0.1		4.3	0.002	
H442191	134.16	136.16	2.00	0.01		0.07		3.7	0.01	
H442192	144.92	146.88	1.96	0.003		0.1		2.4	0.003	
H442193	146.88	148.95	2.07	0.003		0.21		3.1	0.003	
H442195	148.95	150.95	2.00	0.003		0.1		2.9	0.003	
H442196	160.69	162.69	2.00	0.002		0.04		2.2	0.002	
H442197	162.69	164.16	1.47	0.011		0.24		4.2	0.011	

133.28 164.16 **2 Felsic Volcanic**

Felsic feldspar crystal-rich volcaniclastic. Feldspar crystals are anhedral to subhedral and range in size from less than 1 mm to 5 mm in size. Quartz poor but occasional grains are seen and they are generally rounded. Ash-size feldspar-rich matrix. Clasts poor. Hints of clasts seen. Possible clasts are sub angular and appear felsic.

Alteration

133.3	149.5	CAL1	SER1	

Relatively fresh. Minor patchy sericite altering plagioclase. Minor calcite (+dolomite?) veins.

149.5	156.2	CAL1	SER2	

Similar to above but have more sericite alteration. Sericite alteration is patchy and irregular but occurs more frequently in veins and patches within this interval.

156.2	164.2	CAL1	SER1	

Relatively fresh. Minor patchy sericite altering plagioclase. Minor calcite (+dolomite?) veins.

Mineralization

134.2	146.9	Trace disseminated pyrite.
146.9	149.0	0.1% fine disseminated pyrite.
149.0	162.7	Trace disseminated pyrite.
162.7	167.3	0.1-0.5% fine disseminated pyrite.

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
164.16	167.30	Quartz-feldspar porphyritic volcaniclastic (flow?). Light grey-yellow overall colour. Siliceous. Slight to moderate mottled texture. Clasts are sub angular and aphanitic felsic or QFP. Quartz grains are rounded to broken and up to 8 mm. Feldspar grains are angular but some are rounded as well and range in size from less than 1 mm up to 6 mm. The grains and clasts are set in a fine grained matrix of likely quartz and feldspar.		2a	QFP debris flow/ breccia
		Alteration			
164.2	167.3			CAL1 SER1 SIL1	
		Weak, pervasive silicification. Sericitization of plagioclase. Minor calcite in veins.			
		Mineralization			
167.30	168.95	Felsic(?) volcanic conglomerate. Polymictic with sub angular to sub rounded clasts. Fine grained matrix with occasional rounded quartz grains. Wavy upper and lower contacts with the quartz-feldspar porphyritic volcaniclastic.		2	Felsic Volcanic
		Alteration			
167.3	169.0			BIO2 CHL1 CAL2	
		Patchy biotite alteration. Appears to be altering both clasts and matrix. Patchy, but pervasive calcite alteration. Minor chloritization of matrix.			
		Mineralization			
167.3	169.0	0.1-1% disseminated pyrite. Also in small clots in matrix and clasts.			
168.95	183.46	Quartz-feldspar porphyritic volcaniclastic (flow?). Medium grey overall colour with patches of grey-yellow. Siliceous. Slight to moderate mottled texture. Clasts are sub angular and aphanitic felsic or QFP. Quartz grains are rounded to broken and up to 8 mm. Feldspar grains are angular but some are rounded as well and range in size from less than 1 mm up to 5 mm. The grains and clasts are set in a fine grained matrix of likely quartz and feldspar. Some clasts or feldspars appear to be mineralized with pyrite. Relatively fresh, possibly slight sericitization of feldspar.		2a	QFP debris flow/ breccia
		Alteration			
169.0	183.5			CALt SER1	
		Minor sericitization in feldspar. Trace calcite in veins.			
		Mineralization			
169.0	185.8	0.1-0.5% finely disseminated pyrite. Pyrite seen in clasts or feldspars.			

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442198	164.16	165.65	1.49	0.039		0.36		12.6	0.039	
H442199	165.65	167.30	1.65	0.037		0.44		12.6	0.037	
H442200	167.30	168.95	1.65	0.035		0.78		44.7	0.035	
H442201	168.95	170.95	2.00	0.112		1.44		20	0.112	
H442202	170.95	172.96	2.01	0.063		0.23		13.6	0.063	
H442203	172.96	174.96	2.00	0.01		0.18		8.3	0.01	
H442204	174.96	176.96	2.00	0.006		0.15		7.5	0.006	
H442205	176.96	178.96	2.00	0.01		0.18		10.3	0.01	
H442206	178.96	181.46	2.50	0.007		0.24		7.4	0.007	
H442208	181.46	183.46	2.00	0.012		0.28		12.1	0.012	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
183.46	190.62			**2a**	**QFP debris flow/ breccia**

Quartz-feldspar porphyritic volcaniclastic (flow?). Light grey-yellow in colour with locally darker patches similar to interval above. Quartz grains are euhedral and rounded to more angular and broken and range in size up to 15 mm. Feldspar grains are rounded and occasionally euhedral with grain size up to 5 mm. No definite clasts observed but hints of clasts appear to be felsic aphanitic and are sericitized. The crystals and clasts are set in an ash sized matrix of quartz and feldspar composition. There is 7 cm wide white, opaque quartz vein @ 184.82 m that contains minor muscovite.

Alteration

183.5	190.6	CALt SER2	Possibly more feldspar rich matrix? Moderate sericitization of feldspar. Trace calcite in veins. Possibly dolomite in veins as well.

Mineralization

185.8	198.5	0.1% finely disseminated pyrite.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442209	183.46	185.83	2.37	0.051		1.58		10.3	0.051	
H442210	185.83	187.83	2.00	0.022		0.49		13.5	0.022	
H442211	187.83	189.00	1.17	0.028		0.47		10.6	0.028	
H442213	189.00	190.60	1.60	0.022		0.33		18.3	0.022	
H442214	190.60	192.60	2.00	0.021		0.39		14	0.021	

190.62	193.65			**2a**	**QFP debris flow/ breccia**

Quartz-feldspar porphyritic volcaniclastic (flow?). Light to medium grey in colour. Quartz grains are euhedral and rounded to more angular and broken and range in size up to 8 mm. Feldspar grains are rounded and occasionally euhedral with grain size up to 5 mm. No definite clasts observed but hints of clasts appear to be felsic aphanitic and are sericitized. The crystals and clasts are set in an ash sized matrix of quartz and feldspar composition.

Alteration

190.6	204.8	CALt SER1	Minor sericitization in feldspar. Trace calcite in veins.

Mineralization

193.65	196.42			**2a**	**QFP debris flow/ breccia**

Quartz-feldspar porphyritic volcaniclastic (flow?). Fairly homogenous medium grey colour. Quartz phenocryst-poor. More feldspar rich than interval above. Quartz grains are euhedral and rounded to more angular and broken and range in size up to 6 mm. Feldspar grains are rounded and occasionally euhedral with grain size up to 5 mm. Grains are set in ash sized matrix of quartz and feldspar.

Alteration

Mineralization

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
196.42	197.51		**2a**	**QFP debris flow/ breccia**											

Quartz-feldspar porphyritic volcaniclastic (flow?). Light grey in colour. Quartz grains are euhedral and rounded with occasional broken grains. They range in size up to 8 mm. The feldspar phenocrysts are rounded and up to 4 mm. Grains are set in ash sized matrix of quartz and feldspar.

Alteration

Mineralization

197.51	204.77		**2a**	**QFP debris flow/ breccia**	H442215	202.77	204.77	2.00	0.007		0.22		7	0.007	

Quartz-feldspar porphyritic volcaniclastic (flow?). Fairly homogenous medium grey colour. Quartz phenocryst-poor. More feldspar rich than interval above. Quartz grains are euhedral and rounded to more angular and broken and range in size up to 6 mm. Feldspar grains are rounded and occasionally euhedral with grain size up to 5 mm. Grains are set in ash sized matrix of quartz and feldspar. Possible sub angular to sub rounded clasts contain pyrite mineralization.

Alteration

Mineralization

198.5 211.0 Trace to 0.1% finely disseminated pyrite. Some pyrite seen in clasts.

204.77	211.16		**2a**	**QFP debris flow/ breccia**	H442216	204.77	206.77	2.00	0.009		0.22		10.6	0.009	
					H442217	208.96	211.16	2.20	0.033		0.36		15.1	0.033	

Quartz-feldspar porphyritic volcaniclastic (flow?). Light grey to yellow grey. Quartz grains are euhedral and rounded with occasional broken grains. They range in size up to 8 mm. The feldspar phenocrysts are rounded and up to 4 mm. Occasional clasts observed that appear to be aphanitic felsic or QFP. Clasts are sub angular. Grains and clasts are set in ash sized matrix of quartz and feldspar.

Alteration

204.8 210.1 CAL1 SER1

Minor sericitization in feldspar. Occasional calcite (+ dolomite?) veins.

210.1 211.0 SER2

Patchy sericite altering feldspar.

211.0 212.2 SER1

Minor sericite altering feldspar.

Mineralization

211.0 212.2 0.5-1% finely disseminated pyrite. Occasionally in patches of disseminated grains.

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
211.16	212.16			2a	QFP debris flow/ breccia

Quartz-feldspar porphyritic volcaniclastic (flow?). Medium grey-brown colour. Quartz grains are mostly broken and up to 5 mm. Feldspars are euhedral to rounded and up to 3 mm. Matrix is composed of ash-sized quartz and feldspar.

Alteration

Mineralization

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442218	211.16	212.16	1.00	0.021		0.25		13.2	0.021	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
212.16	215.58			2	Felsic Volcanic

Dacite composition volcaniclastic? Upper contact is wavy and irregular. Quartz poor. Composed of mainly feldspar? Crystals are rounded and chloritized. Strongly carbonate altered. No clasts are visible.

Alteration

212.2	215.6	BIO1	CHL2	CAL3	

Patchy biotite and chlorite possibly altering mafic minerals. Moderate amount of calcite and other carbonates pervasively throughout.

Mineralization

212.2	215.6	1-3% pyrite, both in clots and disseminated. Finely disseminated throughout with occasional clots within carbonate veins.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442219	212.16	214.00	1.84	0.049		0.7		14.9	0.049	
H442221	214.00	215.58	1.58	0.252		1.49		19.1	0.252	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
215.58	225.13			2	Felsic Volcanic

Felsic volcanic conglomerate. First 40 cm appears to be quartz-feldspar porphyritic volcaniclastic and grades into the volcanic conglomerate. The conglomerate is polymictic with angular to sub rounded clasts. Both the clasts and matrix are mineralized with pyrite. Dark grey matrix is fine grained and composed of quartz and feldspar. Occasional rounded quartz grains up to 3 mm observed within the matrix.

Alteration

215.6	219.4		CHL1	CAL2	

Pervasive calcite and other carbonates. Chlorite is local and patchy, sometimes within veins.

219.4	225.1	BIO1	CHL1	CAL2	

Biotite and chlorite alteration appears limited to clasts. Calcite is pervasive and occurs with other carbonate. Calcite at contact is strong.

Mineralization

215.6	219.4	0.1-1% finely disseminated pyrite in both clasts and matrix.
219.4	228.1	0.1-0.5% finely disseminated pyrite in both clasts and matrix.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442222	215.58	217.58	2.00	0.075		0.44		15.8	0.075	
H442223	217.58	219.39	1.81	0.016		0.44		16.9	0.016	
H442224	219.39	221.39	2.00	0.008		0.68		13.8	0.008	
H442225	221.39	223.39	2.00	0.01		0.55		17.4	0.01	
H442226	223.39	225.13	1.74	0.015		0.74		18.9	0.015	

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
225.13	226.47		2	**Felsic Volcanic**	H442228	225.13	226.47	1.34	0.01		0.47		5.9	0.01	

Felsic volcanic conglomerate. Appears to be monolithic. Clasts are rounded and quartz-feldspar porphyritic in light grey ash sized quartz feldspar rich matrix. Upper and lower contacts are gradational.

Alteration

225.1 226.5 SER1

Sericite altering feldspar.

Mineralization

226.47	235.22		2	**Felsic Volcanic**	H442229	226.47	228.05	1.58	0.024		1.03		31.8	0.024	
					H442230	228.05	229.87	1.82	0.014		0.73		8	0.014	
					H442231	229.87	232.22	2.35	0.012		0.53		12.7	0.012	
					H442232	232.22	233.72	1.50	0.021		0.69		23.7	0.021	
					H442234	233.72	235.22	1.50	0.934		4.88		30.2	0.934	

Felsic volcanic conglomerate. Polymictic. Clasts are angular to rounded. Matrix is medium grey ash and assumed to be composed of quartz and feldspar. Quartz grains within matrix are rounded or broken and up to 6 mm. Gradational upper and lower contact.

Alteration

226.5 235.2 BIO2 CHL2 CAL2

Alteration increasing towards end of interval associated with sulphides. Numerous calcite veinlets.

Mineralization

228.1 229.9 0.1-1% finely disseminated pyrite in both clasts and matrix. Locally 1-2 mm clots and patches.

229.9 232.2 0.1-0.5% finely disseminated pyrite in both clasts and matrix.

232.2 235.2 2-5% pyrite in 1-2 mm clots locally aligned in direction of strain.

235.22	237.96		2	**Felsic Volcanic**	H442235	235.22	237.96	2.74	0.038		1.8		33.3	0.038	

Felsic ash fall deposit. Very fine grained brown-green (biotite and chlorite altered) with hints of occasional clasts. Contact is gradational with the volcanic conglomerate above and wavy, but sharp with the porphyritic volcaniclastic below.

Alteration

235.2 238.0 CHL1 CAL1

Several calcite veins.

Mineralization

235.2 238.0 0.1-0.5% finely disseminated pyrite. Locally more abundant in carbonate vein selvages.

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
237.96	246.64	**2a QFP debris flow/ breccia**				H442236	237.96	240.04	2.08	0.013		0.16		13.2	0.013	
		Quartz-feldspar porphyritic volcaniclastic (flow?). Light grey in colour. Quartz grains appear mostly broken, occasionally euhedral and range in size from 1 mm to 10 mm. Feldspars are generally rounded and occasionally euhedral with sizes up to 4 mm. Clasts are felsic aphanitic or quartz-feldspar porphyritic. Matrix is made up of ash sized quartz and feldspar.				H442237	240.04	242.04	2.00	0.01		2.23		16.2	0.01	
						H442238	242.04	246.64	4.60	0.011		0.56		7.8	0.011	
		Alteration														
		238.0 246.6		SER1												
		Fresh, with numerous dark grey veins of a carbonate mineral?														
		Mineralization														
		238.0 240.0	0.1% very finely disseminated pyrite.													
		240.0 248.3	Trace disseminated pyrite in felsic volcaniclastic and intermediate dyke.													
246.64	248.31	**6 Mafic Dyke**				H442239	246.64	248.31	1.67	0.003		1.07		4.4	0.003	
		Intermediate dyke. Fine grained feldspar, amphibole and minor quartz. Grains appear interlocking. Slightly chloritized throughout. Sharp upper and lower contacts.														
		Alteration														
		246.6 248.3		CHL1	SER1											
		Numerous v. thin calcite veinlets.														
		Mineralization														
248.31	256.34	**2a QFP debris flow/ breccia**				H442241	248.31	250.31	2.00	0.011		0.29		6.6	0.011	
		Quartz-feldspar porphyritic volcaniclastic (flow?). Light grey in colour with slight to moderate mottled appearance. Quartz grains appear mostly broken, occasionally euhedral and range in size from 1 mm to 10 mm. Feldspars are generally rounded and occasionally euhedral with sizes up to 4 mm. Clasts are felsic aphanitic or quartz-feldspar porphyritic. Matrix is made up of ash sized quartz and feldspar.				H442242	250.31	254.96	4.65	0.015		0.58		12	0.015	
						H442243	254.96	256.34	1.38	0.016		0.25		11.1	0.016	
		Alteration														
		248.3 256.3		SER1												
		Fresh, with numerous dark grey veins of a carbonate mineral?														
		Mineralization														
		248.3 256.3	0.1% finely disseminated pyrite.													

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
256.34	258.23		2	**Felsic Volcanic**	H442244	256.34	258.23	1.89	0.02		0.52		20.1	0.02	

Felsic volcanic conglomerate. Polymictic. Clasts are sub angular to sub rounded. Matrix is fine grained quartz and feldspar. Occasional quartz grains within matrix are rounded and up to 3 mm. Matrix is feldspar crystal-rich. Gradational upper and lower contacts.

Alteration

256.3 270.4 CAL1

Fresh with local carbonate veins and increasing carbonate alteration toward end of interval.

Mineralization

256.3 268.4 0.1-0.5% finely disseminated pyrite.

258.23	260.29		2a	**QFP debris flow/ breccia**	H442245	258.23	260.21	1.98	0.01		0.33		7.7	0.01	
					H442246	260.21	262.21	2.00	0.044		0.7		17.1	0.044	

Quartz-rich porphyritic volcaniclastic. Light grey in colour. Phenocryst poor. Quartz grains are rounded and up to 3 mm. Occasional feldspars up to 1 mm. Matrix is siliceous and fine grained.

Alteration

Mineralization

260.29	270.39		2a	**QFP debris flow/ breccia**	H442248	262.21	264.21	2.00	0.039		0.63		24.1	0.039	
					H442249	264.21	266.21	2.00	0.025		0.48		19.4	0.025	
					H442250	266.21	268.39	2.18	0.028		0.3		17.8	0.028	
					H442251	268.39	268.94	0.55	0.333		2.08		53.2	0.333	
					H442252	268.94	270.39	1.45	0.124		0.38		18.9	0.124	

Quartz-feldspar porphyritic volcaniclastic. Phenocryst-rich. Light grey in colour with slight mottled appearance. Quartz grains are euhedral and occasionally broken and range in size from 1 mm to 10 mm. Feldspars are generally rounded and up to 5 mm. Clasts are sub angular to sub rounded and are felsic aphanitic or QFP in composition. Clasts and phenocrysts set in siliceous ash-sized matrix. Gradational upper and lower contacts.

Alteration

Mineralization

268.4 268.9 2-3% pyrite in clots associated with increased biotite and chlorite alteration.

268.9 270.6 0.1-0.5% finely disseminated pyrite.

270.39	275.10		2	**Felsic Volcanic**	H442254	270.39	271.85	1.46	0.147		1.3		18.2	0.147	
					H442255	271.85	273.88	2.03	0.096		1.17		10.5	0.096	
					H442256	273.88	275.10	1.22	0.135		3.07		44.8	0.135	

Felsic(?) ash fall deposit. Grey-brown in colour. Very fine grained with rare crystals or clasts. Moderately to strongly altered with chlorite, biotite and carbonate. Gradational contacts with the volcaniclastic units.

Alteration

270.4 275.1 BIO1 CHL2 CAL3

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
		Zone of local high degree of calcite and biotite associated with sulphides.													
		Mineralization													
	270.6	271.9		1-3% pyrite finely disseminated and in small clots. Associated with biotite, chlorite and carbonate alteration.											
	271.9	273.9		0.5% pyrite in clots. Minor amount is finely disseminated. Pyrite seen in both clasts and matrix (mostly clots in clasts).											
	273.9	275.1		2-5% pyrite in clots possibly associated with veins but not confined to them. Associated with increased carbonate, chlorite and biotite alteration.											
275.10	281.39	**2a**		**QFP debris flow/ breccia**	H442257	275.10	277.03	1.93	0.126		1.17		34	0.126	
		Quartz-feldspar porphyritic volcaniclastic. Light grey in colour with slight mottled appearance. Quartz grains are euhedral and occasionally broken and range in size from 1 mm to 10 mm. Feldspars are generally rounded and up to 5 mm. Clasts are sub angular to sub rounded and are felsic aphanitic or QFP in composition. Clasts and phenocrysts set in siliceous ash-sized matrix. Gradational upper and lower contacts. Calcite vein and vein selvage from 276.69 m to 277.00 m.			H442258	277.03	279.03	2.00	0.049		0.59		35.1	0.049	
					H442259	279.03	281.39	2.36	0.037		0.45		23.5	0.037	
		Alteration													
	275.1	281.4	CAL1	SER2											
		@ 277.85 calcite vein with other carbonate and biotite? Loc. Strong sericite.													
		Mineralization													
	275.1	276.6		0.1-0.5% finely disseminated pyrite.											
	276.6	277.0		5% pyrite in clots. Aligned with calcite veining and in direction of strain.											
	277.0	281.3		0.1-0.5% finely disseminated pyrite.											
	281.3	282.7		0.5-1% pyrite, disseminated and in small clots.											
281.39	286.71	**2**		**Felsic Volcanic**	H442261	281.39	282.66	1.27	0.056		1.05		20.5	0.056	
		Felsic ash-rich volcaniclastic. Dark grey, very fine grained. Locally crystal rich and occasional sub rounded clasts observed. Gradational contact with the volcaniclastic interval above and sharp contact seen with the volcaniclastic interval below.			H442262	282.66	284.66	2.00	0.004		0.19		7.8	0.004	
					H442263	286.00	286.71	0.71	0.033		0.79		15	0.033	
		Alteration													
	281.4	282.7	CAL3	SIL2											
		Strong calcite, biotite? Higher alteration areas associated with veining.													
	282.7	286.5	CHL1	CAL1											
	286.5	289.1													
		Fresh, with numerous dark grey veins of a carbonate mineral?													

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
		Mineralization													
		282.7 286.4 Trace disseminated pyrite.													
		286.4 286.7 2-4% disseminated pyrite.													
286.71	289.08	**QFP debris flow/ breccia**	2a		H442264	286.71	289.08	2.37	0.048		0.65		12	0.048	
		Quartz-feldspar porphyritic volcaniclastic. Light grey in colour. Low-moderate amount of phenocrysts. Quartz phenocrysts are generally rounded and up to 4 mm. Feldspars are also rounded and up to 2 mm. Possible clasts are felsic in composition. Matrix is siliceous and ash-sized.													
		Alteration													
		Mineralization													
		286.7 289.1 0.1-0.5% finely disseminated pyrite.													
289.08	296.92	**Mafic Dyke**	6		H442265	289.08	291.08	2.00	0.001		0.07		4	0.001	
					H442266	294.92	296.92	2.00	0.002		0.09		4	0.002	
		Intermediate dyke. Medium grained interlocking feldspar and hornblende(?) and possibly quartz. Locally porphyritic. Amphiboles are chloritized and feldspars are sericitized. Both upper and lower contacts are sharp.													
		Alteration													
		289.1 296.9	CAL1 SER2	EP2											
		Numerous green, planar calcite veinlets.													
		Mineralization													
		289.1 296.9 Trace pyrite.													
296.92	301.48	**QFP debris flow/ breccia**	2a		H442268	296.92	298.92	2.00	0.022		0.26		8.8	0.022	
		Quartz-feldspar porphyritic volcaniclastic. Light grey in colour. Phenocryst poor. Quartz phenocrysts are generally rounded, occasionally broken, and up to 5 mm. Feldspars are also rounded and up to 2 mm. Possible clasts are felsic in composition. Matrix is siliceous and ash-sized.													
		Alteration													
		296.9 298.0	CAL3 SER3												
		Pervasive calcite alteration. Strong sericitization of clasts.													
		298.0 302.0													
		Fresh, with numerous dark grey veins of a carbonate mineral?													
		Mineralization													
		296.9 302.0 0.1% finely disseminated pyrite.													

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
301.48	302.00		**2**	**Felsic Volcanic**											
		Felsic volcanic conglomerate. Medium grey. Polymictic with angular to rounded clasts in an ash-sized quartz-feldspar rich matrix.													
		Alteration													
		Mineralization													

Hole_ID	TC08-08
Project	Thundercloud
X	534535
Y	5470635
z	446
Azimuth	270
Dip	-60
Total Length	242.0
Location	
Grid	
Claim	
NTS Mapsheet	052F07

Hole Type	Core
Survey Type	Reflex
Hole Diameter	NQ
Drill Operator	Morris Drilling
Drill Rig	#1
Grid East	
Grid North	
Start Date	10/2/2008
End Date	10/5/2008
Logged by	A. Shannon
Date Logged	10/5/2008
Sampled by	A. Shannon

Purpose/Comments:

This hole had the same target as TC07-05 which was to test the QFP-sedimentary-mafic contacts. Hole TC07-05 was drilled from west to east and encountered a QFP dyke for much of the hole. Therefore, drilling this contact from the east to west was concluded to be a better orientation.

Survey Data:

Depth	*Azimuth*	*Dip*
14.0	268.8	-60.3
62.0	271.1	-60.0
122.0	272.9	-59.5
182.0	272.7	-59.2
242.0	273.2	-59.2

Teck

From (m)	*To (m)*	*Geological Description*	*Formation Name*	*Litho Code*	*Litho Description*
0.00	3.50			**OB**	**Casing/Overburden**

Alteration

Mineralization

From (m)	*To (m)*	*Geological Description*	*Formation Name*	*Litho Code*	*Litho Description*
3.50	7.76	Polymictic pebble conglomerate, mottled beige-green-brown and clast supported, with clasts range in size 0.2cm to 3cm with the avg of 0.75cm from and composition from felsic (aphanitic and plag porphyritic)to mafic with mafic clasts most often altered to bi (brown), matrix <20% si and cl altered		**3a**	**Conglomerate**

Alteration

3.5	7.8	BIO3	CHL2	CAL3	SIL2

bi mafic clasts, cl matrix , si per, ca veinlets and pervasive

Mineralization

3.5	7.8	0.5 loc 1% mostly diss, with one or two small clasts replaced with py and one or two thing veinlets

Field No	*FROM*	*TO*	*INT. (m)*	*Au ICP ppm*	*Au Assay ppm*	*Ag ICP ppm*	*Ag Assay ppm*	*As ICP ppm*	*Au Plot ppm*	*As Plot ppm*
H442269	3.50	5.00	1.50	0.072		0.62		13.6	0.072	
H442270	5.00	6.50	1.50	0.04		0.5		5.2	0.04	
H442271	6.50	7.76	1.26	0.03		0.53		4.8	0.03	

From (m)	To (m)	Geological Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
7.76	9.57	**2 Felsic Volcanic** Feldspar porphyritic volcaniclastic, sharp wavy contact with cong up hole, vy loc clast, mottled cream-dk grey, plag crystals visible and are rounded , no qz crystals evident **Alteration** 7.8 9.6 CAL1 SER2 SIL1 thin ca veinlets , and se veinlets and replacement of clasts **Mineralization** 7.8 9.6 0.1-0.5% py diss	H442272	7.76	9.57	1.81	0.019		0.18		15.8	0.019	
9.57	10.48	**6 Mafic Dyke** Green coherent fine grained mafic dyke, sharp upper and lower contacts and mod cl alteration and unmineralized **Alteration** 9.6 10.5 CHL1 normal background cl alteration of a mafic rock **Mineralization**	H442274	9.57	10.48	0.91	0.002		0.19		4.3	0.002	
10.48	13.04	**2 Felsic Volcanic** Feldspar porphyritic volcaniclastic, sharp wavy contact with cong up hole, vy loc clast, mottled cream-dk grey, plag crystals visible and are rounded , no qz crystals evident **Alteration** 10.5 13.0 CAL1 SER2 SIL1 thin ca veinlets , and se veinlets and replacement of clasts **Mineralization** 10.5 13.0 0.1-0.5% py diss	H442275	10.48	11.60	1.12	0.016		0.16		24.9	0.016	
			H442276	11.60	13.04	1.44	0.014		0.17		14.7	0.014	
13.04	20.14	**3a Conglomerate** Polymictic pebble conglomerate, similar to that @ 3.5, mottled beige-green-brown, most of interval clast supported but loc mx supported with mx made rich in feldspar crystals, with clasts range in size .2cm to 7cm with the avg of 1.5cm from and composition from felsic (aphanitic and plag porphyritic)to mafic with mafic clasts most often altered to bi (brown), **Alteration** 13.0 20.1 BIO3 CHL2 CAL2 SIL2 similar alteration to 3.5-7.76m, bi mafic clasts, cl matrix , si per, ca veinlets and pervasive	H442277	13.04	14.04	1.00	0.031		0.21		13.6	0.031	
			H442278	14.04	15.04	1.00	0.024		0.16		11.1	0.024	
			H442279	15.04	16.50	1.46	0.072		0.25		4.9	0.072	
			H442281	16.50	17.50	1.00	0.103		0.21		16.2	0.103	
			H442282	17.50	18.50	1.00	0.063		0.2		16.8	0.063	
			H442283	18.50	20.14	1.64	0.056		0.19		11.4	0.056	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description

Mineralization

13.0	20.1	0.5 loc 1% mostly diss, with approximately 6 small clasts replaced or partially replaced with py

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
20.14	38.47			3	**Sediment**

Silty to loc mud size sediment, mafic in composition, green with patches of purple/brown,, overall appears coherent and could be misidentified as a mafic volcanic but numerous clasts are observed 33.5-38.47m and is interbedded with conglomerate downhole

Alteration

20.1	29.1	BIO3	CHL3	CAL2	SIL1
		loc patch bi alteration, overprinted by cl alteration, this forms the overall 5cm scale patches on the rock, these earlier alteration is cut by numerous calcite veins many of which contain py			
29.1	29.8	BIO3	CHL1	CAL4	SIL2
		ca alteration zone, with gradational contacts on both sides			
29.8	32.1	BIO3	CHL3	CAL2	SIL1
		patch bi alteration, overprinted by cl alteration, this forms the overall 5cm scale patches on the rock, these earlier alteration is cut by numerous calcite veins many of which contain py			
32.1	32.6	BIO3		CAL4	SIL2
		ca alteration zone similar to 29.14-29.80m but with less sulphides			
32.6	37.0	BIO3	CHL3	CAL2	SIL1
		patchy bi alteration overprinted by cl alteration, cut by numerous calcite veins many of which contain py			
37.0	37.1	BIO3		CAL4	SIL2
		ca-si alt zone 3 parallel veins and loc strong si alteration but no sulphides			
37.1	38.0	BIO2	CHL2	CAL2	SIL1
		patchy bi alteration overprinted by cl alteration, cut by calcite veinlets			
38.0	38.5	BIO4	CHL3	CAL3	SIL2

Mineralization

20.1	29.1	tr to 0.5 diss, clots and in ca veins, po in clots with py and the clots appear to be replacing crystal or clast
29.1	29.8	2-5% py as clots in a messy ca vein/alt zone with bi and si
29.8	32.1	tr to 0.5 py dis and in ca veins
32.1	32.6	2-5% py diss and minor clots in this messy ca si alteration zone similar to 29.14-29.29.8

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442284	20.14	21.50	1.36	0.018		0.24		2.2	0.018	
H442285	21.50	23.00	1.50	0.025		0.31		3.4	0.025	
H442286	23.00	24.50	1.50	0.015		0.23		2.8	0.015	
H442288	24.50	26.00	1.50	0.011		0.26		2	0.011	
H442289	26.00	27.50	1.50	0.057		0.27		1.4	0.057	
H442290	27.50	29.00	1.50	0.06		0.4		2.6	0.06	
H442291	29.00	30.00	1.00	0.375		0.98		7.4	0.375	
H442292	30.00	31.00	1.00	0.033		0.42		4.8	0.033	
H442294	31.00	32.00	1.00	0.065		0.46		7.6	0.065	
H442295	32.00	33.00	1.00	0.32		0.6		7.1	0.32	
H442296	33.00	34.50	1.50	0.071		0.6		3.2	0.071	
H442297	34.50	36.00	1.50	0.163		0.79		2.2	0.163	
H442298	36.00	37.50	1.50	0.119		0.41		3.5	0.119	
H442299	37.50	38.47	0.97	0.08		0.63		15	0.08	

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
	32.6	37.0		tr to 1% py, higher py content found in ca-cl veins											
	37.0	37.3		1% py as clots in ca-cl vein											
	37.3	38.0		tr-0.5% py diss											
	38.0	38.5		1% py ass with si cl ca alteration near contact with courser mafic seds											
38.47	40.42		3	**Sediment**	H442301	38.47	39.47	1.00	0.003		1.78		61.1	0.003	
		Fine sandstone of intd to mafic composition, pale and dk green (cl altered) grains visible, homogenous in color texture and alteration throughout unit with three py bearing calcite veins cutting interval			H442302	39.47	40.42	0.95	0.002		0.22		6.7	0.002	
	Alteration														
	38.5	40.4	CHL3	CALt SIL2											
			homogenous alteration making rock buff green in color												
	Mineralization														
	38.5	40.4	0.5-1% diss and clot in 4 ca-cl veins												
40.42	42.24		3	**Sediment**	H442303	40.42	42.29	1.87	0.147		0.75		7	0.147	
		Silty to loc mud size sediment, mafic in composition, green with local patches of purple/brown,, overall appears coherent and could be misidentified as a mafic volcanic but clasts are observed													
	Alteration														
	40.4	40.7	BIO3	CHL3 CAL1 SIL2 EP3											
			thin zone of high degree of alteration, anomalous due to presence of ep not seen elsewhere												
	40.7	42.2	BIO2	CHL2 CAL2 SIL1											
			patchy bi alteration overprinted by cl alteration, cut by calcite veinlets												
	Mineralization														
	40.4	40.7	5% py +po as diss and clots in the messy alteration zone/vein?												
	40.7	42.2	tr to 0.5% py diss and in ca-cl veins												
42.24	45.44		2a	**QFP debris flow/ breccia**	H442304	42.29	44.00	1.71	0.163		0.23		19.4	0.163	
		Quartz feldspar porphyritic volcaniclastic, feldspar crystal rich felsic volcanic at start and end of interval (42.24-42.8m, 44.28-45.44m) grading to the quartz feldspar porphyry which has rounded and broken quartz up to 1.2 cm in a siliceous mx			H442305	44.00	45.44	1.44	0.071		0.57		13.5	0.071	
	Alteration														
	42.2	42.8	BIO2	CAL2 SER1 SIL2											
			brown (bi?) veins and ca veins and Si associated with py												

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
	42.8	44.3		CHL1 SER2												
		cl in veins with tr py ,se of feldspars														
	44.3	45.0		BIO1 CHL4	SIL1											
		mafic clast in this felsic unit? Highly altered with ass sulphides														
	45.0	45.4		BIO2 SER1	SIL1											
		similar to 42.24-42.8 with brown (bi?) veins and sulphides but less ca														
	Mineralization															
	42.2	42.8	1-2% as clots and diss ass with this alt zone													
	42.8	44.3	tr py ass with cl - ca veins													
	44.3	45.0	5-10% py in this cl rich alt , mafic clast ?													
	45.0	45.4	0.5-1% py diss and strained clots													
45.44	53.32		**3**	**Sediment**		H442307	45.44	47.00	1.56	0.008		0.33		1.5	0.008	
		Silty to loc mud size sediment, mafic in composition, green with local patches of purple/brown,, rare clasts upper contact conformable contact with conglomerate downhole				H442308	47.00	48.50	1.50	0.059		0.3		1.4	0.059	
						H442309	48.50	50.00	1.50	0.023		0.41		2.1	0.023	
	Alteration					H442310	50.00	51.50	1.50	0.019		0.3		2.5	0.019	
	45.4	50.6		BIO3 CHL2 CAL2	SIL1	H442312	51.50	53.32	1.82	0.019		0.27		7.8	0.019	
		patchy bi alteration overprinted by cl alteration, cut by ca-bi-cl veinlets containing py														
	50.6	53.3		BIOt CHL3	SIL1											
		homogenous green with few ca-bi veinlets														
	Mineralization															
	45.4	50.6	tr - 1% py, diss , mostly in ca-cl-bi veins													
	50.6	53.3	diss													
53.32	53.85		**3a**	**Conglomerate**		H442313	53.32	53.85	0.53	0.016		0.37		8	0.016	
		Polymictic pebble conglomerate, similar at the top of the hole, mottled beige-green-brown, clast supported, with clasts range in size .2cm to 2cm with the avg of 0.5cm from and composition from felsic (aphanitic and plag porphyritic)to mafic with mafic clasts most often altered to bi (brown),														
	Alteration															
	53.3	53.9		BIO3 CHL2 CAL2	SIL2											
		bi mafic clasts, cl matrix , si per, ca veinlets and pervasive														
	Mineralization															
	53.3	53.9	2-5% py+po in matrix and replacing clasts													

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
53.85	58.93			3	**Sediment**

Silty to loc mud size sediment, mafic in composition, green with local patches of purple/brown,, overall appears coherent and could be misidentified as a mafic volcanic but clasts are observed

Alteration

53.9	56.6	BIO1	CHL2	CALt	SIL1

ca as tw veinlets, bi loc patches, cl perv

56.6	56.9	BIOt	CHL3	CAL4	SIL3

alt zone with lots of ca

56.9	58.9		CHL4	CALt

soft green rock, lots of cl, @58.06 10cm ca vein

Mineralization

53.9	56.6	
56.6	56.9	1-5% clots and disseminated in ca-cl alt zone
56.9	58.9	0.5-2% py , with 2% close to downhole ct, @58.06 10cm ca vein 10% po+py

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442314	53.85	55.00	1.15	0.014		0.33		5.5	0.014	
H442315	55.00	56.00	1.00	0.018		0.46		11	0.018	
H442316	56.00	57.00	1.00	0.711		3.04		6	0.711	
H442317	57.00	58.00	1.00	0.085		1.06		5.1	0.085	
H442318	58.00	58.93	0.93	0.081		1.74		22.2	0.081	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
58.93	86.69			2	**Felsic Volcanic**

Feldspar porphyritic volcaniclastic, extremely homogenous in composition most of interval contains 20% crystals in a hard grey matrix, loc crystal poor (5% crystals),dk grey in color with se altered section beige, rare clast observed one @85.10m

Alteration

58.9	83.7			CALt	SER2

83.7	86.7		CHL2	CALt	SER2

loc cl thin veins,

Mineralization

58.9	86.7	very little sulphides, vy rare dis , and no veins contain sulphides

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442320	58.93	60.50	1.57	0.008		0.16		4.5	0.008	
H442321	60.50	62.50	2.00	0.002		0.08		2	0.002	
H442322	62.50	64.50	2.00	0.002		0.05		2.5	0.002	
H442323	81.74	83.74	2.00	0.005		0.05		1.4	0.005	
H442324	83.74	85.24	1.50	0.003		0.04		1.8	0.003	
H442325	85.24	86.67	1.43	0.005		0.08		1.8	0.005	
H442327	86.67	88.00	1.33	0.054		0.29		1.4	0.054	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
86.69	104.00			3	**Sediment**

Silty mafic sediment, mafic in composition, classic bi alteration ranging from intense to moderate, making for a mottled brown color, ca veins at 92.36, 95.48

Alteration

86.7	92.6	BIO2	CHL2		SIL2

patchy bi alteration cross cut by si+cl and late cl ca veins forming mottled green brown color

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442328	88.00	89.50	1.50	0.032		0.37		1.4	0.032	
H442329	89.50	91.00	1.50	0.02		0.41		0.6	0.02	
H442330	91.00	93.50	2.50	0.085		0.51		1.7	0.085	
H442331	93.50	95.00	1.50	0.068		0.37		1.1	0.068	
H442333	95.00	96.50	1.50	0.012		0.3		1.9	0.012	
H442334	96.50	98.00	1.50	0.129		0.9		4.5	0.129	
H442335	98.00	99.50	1.50	0.143		0.64		2.3	0.143	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
92.6	97.5	BIO3	CHL2	CAL3	SIL3
		similar to 86.69-92.61 but more affected by ca alteration forming anastomosing veins, (has a shape that looks like replacing pillow selvages)			
97.5	101.1	BIO4	CHL1	CAL2	SIL3
		very dark in color with patchy bi affecting ~80% of the rock, with bi patches associated with py			
101.1	104.0	BIO3	CHL2	CAL1	SIL3
		pale green compared to previous three alt. intervals, patchy bi, cut by cl-si alteration , and rare ca veins			
Mineralization					
86.7	92.6	0.5 % py+po , py in ca-cl veinlets as well as py replacing phenocrysts or clasts and in turn being replaced by po forming 0.2mm scale sulphide clots			
92.6	93.8	1 % py+po , py in ca-cl veinlets as well as py replacing phenocrysts or clasts and in turn being replaced by po forming 0.2mm scale sulphide clots			
93.8	96.6	0.1 to 0.5% py associated with cl-ca veins, rare clot			
96.6	98.8	1-5% py, 0.5% po, py found as clots as well as in fractures, po found replacing py in clots			
98.8	101.1	1-3% py, vy fg dis py ass with bi patches, and rare po in clots			
101.1	104.0	0.5% py +po , both found in patches with loc py veinlets			
104.00	110.18	**3a**	**Conglomerate**		
		Polymictic pebble conglomerate, similar at the intervals at the top of the hole but has less felsic clasts, mottled beige-green-brown color, matrix supported, with clasts range in size .2cm to 2cm with the avg of 0.5cm from and composition from felsic (aphanitic and rare plag porphyritic)to mafic with mafic clasts altered to bi (brown),			
Alteration					
104.0	110.2	BIO3	CHL2	CAL2	SIL3
		bi completely replacing many intd and mafic, matrix si and cl altered,			
Mineralization					
104.0	110.2	1-2% py , py associated with bi alteration and found mostly in matrix as clots and rare clast partially replaced			

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442336	99.50	101.00	1.50	0.029		0.44		2.7	0.029	
H442337	101.00	102.50	1.50	0.066		0.33		3.5	0.066	
H442338	102.50	104.00	1.50	0.141		0.45		3	0.141	
H442339	104.00	105.00	1.00	0.11		0.51		2.5	0.11	
H442341	105.00	106.00	1.00	0.098		0.47		3.8	0.098	
H442342	106.00	107.00	1.00	0.498		1.4		4.9	0.498	
H442343	107.00	108.00	1.00	0.311		1.35		3.2	0.311	
H442344	108.00	109.00	1.00	0.233		1.18		6.7	0.233	
H442345	109.00	110.18	1.18	0.739		4.26		29	0.739	

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
110.18	111.78		2	**Felsic Volcanic**	H442347	110.18	111.78	1.60	0.014		0.26		9.7	0.014	
		Ash rich volcaniclastic , dark grey in color with white spots (crystals) with rare crystals													
		Alteration													
		110.2 111.8	CAL1	SIL2											
		rare ca veins													
		Mineralization													
		110.2 111.8 no min													
111.78	119.94		3	**Sediment**	H442348	111.78	113.50	1.72	0.028		0.4		4.3	0.028	
					H442349	113.50	115.50	2.00	0.073		0.65		4.9	0.073	
					H442350	115.50	118.00	2.50	0.174		0.42		5.9	0.174	
					H442351	118.00	119.94	1.94	0.061		0.31		4.8	0.061	
		Silty to mud size sediment, mafic in composition, weak to moderate bi alteration making for a mottled brown color with rare ca veins, fairly homogenous in color alteration and ca veinlets throughout													
		Alteration													
		111.8 115.2 BIO3 CHL3	CAL2	SIL2											
		patchy bi alteration cl cutting bi and cl in ca veins													
		115.2 119.9 BIO2 CHL1	CAL2	SIL3											
		patch bi similar to above but less bi and more si , harder and darker in color													
		Mineralization													
		111.8 115.2 0.1% py in clots replacing spherical clasts? Or phenocrysts, 0.1% in fracture lining													
		115.2 119.6 0.1% py+po, po replacing py in spherical clots, py dis as well as clots fracture lining													
		119.6 120.1 5% pyrite, mostly in veins, but up to 1% is in veins and patches													
119.94	121.72		2	**Felsic Volcanic**	H442353	119.94	121.72	1.78	0.025		0.26		23.9	0.025	
		Feldspar porphyritic volcaniclastic, made up of 25% clasts-phenocrysts, mix of euhedral (tabular) plag and larger clast (0.4cm) , several ca veins,													
		Alteration													
		119.9 121.7	CAL1												
		few ca veins,													
		Mineralization													
		120.1 121.8 0.5% finely disseminated pyrite. Minor amount in veins - appears to be associated with the calcite veins.													

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
121.72	149.24			3	**Sediment**

Silty to mud size sediment, mafic in composition, weak to moderate bi alteration making for a mottled brown color, local round clasts that are always replaced with sulphides, ca veins,

Alteration

121.7	128.0		CHL2	CAL2	SIL3

Chlorite is patchy and occasionally within calcite veins.

128.0	129.8		CHL2	CAL2	SIL2

Similar to interval above, but lower intensity alteration.

129.8	138.4	BIO3	CHL2	CAL1	SIL1

Strong patchy bi, cl in veins and minor amount in patches. Calcite veins.

138.4	140.0	BIO2		CAL2	SIL2

Patchy biotite, almost banded in places.

140.0	140.5	BIO2	CHL2	CAL2	SIL2

Patchy biotite, ca loc as veinlets, cl and si found together

140.5	148.7	BIO1	CHL3	CAL3	SIL2

loc ca alteration higher ca and cl veins associated with sulphides

148.7	149.2	BIOt		CAL3	SIL2

selvage of ca vein, bleached zone

Mineralization

121.8	125.2	0.1-0.5% very finely disseminated pyrite and possibly po. Occasional po replacing phenocrysts or clasts, sometimes py replacing the po.
125.2	130.9	0.1-0.5% py and po replacing rounded clasts or phenocrysts.
130.9	131.6	0.5% pyrite in calcite and chlorite veins.
131.6	135.6	0.1-0.5% py and po replacing rounded clasts or phenocrysts.
135.6	136.7	1-2% py in zone of high degree of ca alteration
136.7	140.0	05%, py and po replacing rounded clasts or phenocrysts, and py in ca veins
140.0	140.5	0.1-0.5% py and po replacing rounded clasts or phenocrysts.
140.5	142.8	0.5% py ass with ca cl veins
142.8	144.3	1% py ass with stronger ca alteration
144.3	148.7	0.5-1% py +po, po replacing py in round blobs, clasts?
148.7	149.2	0.01% py

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442354	121.72	123.72	2.00	0.01		0.27		1.5	0.01	
H442355	123.72	125.72	2.00	0.011		0.28		0.8	0.011	
H442356	125.72	127.72	2.00	0.018		0.32		1.7	0.018	
H442357	127.72	129.72	2.00	0.01		0.2		0.7	0.01	
H442358	129.72	131.72	2.00	0.033		0.56		0.5	0.033	
H442360	131.71	133.72	2.01	0.044		0.51		0.2	0.044	
H442361	133.72	135.50	1.78	0.05		0.55		0.7	0.05	
H442362	135.50	137.00	1.50	0.083		1.29		3.3	0.083	
H442363	137.00	139.00	2.00	0.021		0.47		0.7	0.021	
H442364	139.00	141.00	2.00	0.025		0.4		1.4	0.025	
H442365	141.00	143.00	2.00	0.022		0.41		1.4	0.022	
H442367	143.00	145.00	2.00	0.02		0.58		3.2	0.02	
H442368	145.00	147.00	2.00	0.014		0.29		1.9	0.014	
H442369	147.00	148.69	1.69	0.012		0.41		1.3	0.012	
H442370	148.69	149.24	0.55	0.005		0.17		2.4	0.005	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
149.24	149.95			**CalV**	**Calcite Vein**

milky white to grey to green ca vein, pieces of wall rock that are strongly cl altered and margins of the vein and ca location of majority of sulphides

Alteration

Mineralization

149.2	149.5	loc 2-5% associate with cl altered wall rock fragment?
149.5	153.8	0.5-1% py+po in veins as well as clots of po replacing py that replaced clasts?

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442371	149.24	149.95	0.71	0.031		0.39		14	0.031	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
149.95	162.10			**3**	**Sediment**

similar to 121.72-149.24 Silty to mud size sediment, mafic in composition, weak to moderate bi alteration making for a mottled brown color, local round clasts that are always replaced with sulphides, ca veins observed as well as three thing ~20-30cm si-ca alteration zones associated with sulphides,

Alteration

150.0	153.8	BIO3	CHL2	CAL2	SIL2

loc bi patch alt, ca loc in veinlets

153.8	154.0		CHL2	CAL4	SIL4

white- pink- green, si, ca alteration zone and minor cl associated with sulphides

154.0	154.4	BIO3	CHL2	CAL2	SIL2

patch bi, but by weak si cl with ca in veinlets postdating

154.4	154.6		CHL2	CAL4	SIL4

white- pink- green, si, ca alteration zone and minor cl associated with sulphides

154.6	155.3	BIO3	CHL2	CAL2	SIL2

patch bi, but by weak si cl with ca in veinlets postdating

155.3	155.9		CHL2	CAL4	SIL4

white- pink- green, si, ca alteration zone and minor cl associated with sulphides

155.9	159.6	BIO3	CHL2	CAL1	SIL2

patch bi, but by weak si cl with ca in veinlets postdating

159.6	160.3	BIO1	CHL3		SIL3

higher si alteration corresponding to increased sulphides

160.3	162.1	BIO3	CHL2	CAL1	SIL2

background patch bi +si-cl alteration

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442373	149.95	151.95	2.00	0.047		0.35		4.4	0.047	
H442374	151.95	153.77	1.82	0.011		0.68		4.7	0.011	
H442375	153.77	155.00	1.23	0.146		3.12		9.3	0.146	
H442376	155.00	156.00	1.00	1.235		11.1		19.2	1.235	
H442377	156.00	158.00	2.00	0.027		1.32		4.2	0.027	
H442378	158.00	160.30	2.30	0.109		1.42		5.7	0.109	
H442380	160.30	162.10	1.80	0.045		0.86		3.1	0.045	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
		Mineralization														
	153.8	154.0	5% py in si ca alt zone,													
	154.0	154.4	0.5-1% py+po in veins as well as clots of po replacing py that replaced clasts?													
	154.4	154.6	5% py in si ca alt zone													
	154.6	155.3														
	155.3	157.1	0.5-1% py													
	157.1	158.0	1% py diss, ass with slightly higher bi													
	158.0	159.6	0.5 %py,													
	159.6	160.3	2-5% ass with higher si													
	160.3	162.1	0.5% py													
162.10	163.91			**2**	**Felsic Volcanic**	H442381	162.10	163.91	1.81	0.155		1.1		10.8	0.155	
		sheared and foliated transitional zone, between the mafic sediments and feldspar porphyritic volcaniclastic, almost banded in appearance with brown and pale green grey bands														
		Alteration														
	162.1	163.9	BIO3	CHL2	CAL2 SER2 SIL3											
		strongly sheared, creating foliation and banding of brn (bi) alteration with green (cl-se) alteration														
		Mineralization														
	162.1	163.9	1-3% py diss as well as along foliation in fractures/veins													
163.91	179.41			**2**	**Felsic Volcanic**	H442382	163.91	166.00	2.09	0.004		0.12		5.1	0.004	
		feldspar porphyritic volcaniclastic, this interval ranges from 10-24% feldspars some of which are tabular but the majority are rounded, rare small white quartz grains observed, mottled grey, beige color results of se alteration associated with thing cross cutting mostly barren veinlets				H442383	166.00	168.00	2.00	0.002		0.1		2.8	0.002	
						H442384	168.00	170.00	2.00	0.001		0.1		2.2	0.001	
						H442385	170.00	172.00	2.00	0.002		0.09		3.7	0.002	
						H442387	172.00	174.00	2.00	0.003		0.13		3.3	0.003	
						H442388	174.00	176.00	2.00	0.004		0.13		3.1	0.004	
						H442389	176.00	178.00	2.00	0.006		0.11		2.6	0.006	
						H442390	178.00	179.41	1.41	0.004		0.13		2.5	0.004	
		Alteration														
	163.9	171.2		CHLt	SER1 SILt											
		se of plag as well as associated with vein selvages, cl in loc veins														
	171.2	172.4		CHLt	SER3 SILt											
		stronger se alteration associated with more veining														
	172.4	173.8		CHLt	SER1 SILt											
		se of plag as well as associated with vein selvages, cl in loc veins														

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description
173.8	174.2		CHLt	SER3 SILt
		stronger se alteration assocated with more veining		
174.2	179.4		CHLt	SER1 SILt
		se of plag as well as associated with vein selvages, cl in loc veins		
Mineralization				
163.9	179.4	trace vy fg py , but also seen in rare veins up to 1%		
179.41	193.51	**3**	**Sediment**	
		m.g. volcanic sandstone, loc aphanitic pink/brown but green the majority of the interval with soft dark green crystals, crystals remain unidentified but could be plag replaced by cl, 185-186m conglomerate, contains abundant hard aphanitic felsic clasts as well as less dk clasts		
Alteration				
179.4	185.0		CHL2 CAL2	SIL2
		12 cl veinlets +/- ca with associated sulphides		
185.0	186.3	BIO2	CHL3	SIL2
		slightly higher degree of alteration associated with conglomerate unit		
186.3	187.0		CHL2 CAL2	SIL2
		cl veinlets +/- ca with associated sulphides		
187.0	187.3		CHL2 CAL3	SIL2
		ca-cl alteration zone with associated py		
187.3	193.5		CHL2 CAL2	SIL2
		cl veinlets +/- ca with associated sulphides		
Mineralization				
179.4	185.0	tr to 0.5% py as vy fg diss or in cl veins		
185.0	186.3	1-3% py in mx as well as replacing clasts		
186.3	187.0	tr to 0.5% py as vy fg diss or in cl veins		
187.0	187.3	1-3% dis in the thin ca-cl alt zone		
187.3	193.5	tr to 0.5% py as vy fg diss or in cl veins		

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442391	179.41	181.00	1.59	0.003		0.12		1.9	0.003	
H442393	181.00	183.00	2.00	0.003		0.11		1.9	0.003	
H442394	183.00	185.00	2.00	0.003		0.2		1.9	0.003	
H442395	185.00	186.50	1.50	0.337		7.72		6.3	0.337	
H442396	186.50	188.00	1.50	0.005		0.21		4.2	0.005	
H442397	188.00	190.00	2.00	0.002		0.12		2.1	0.002	
H442398	190.00	191.50	1.50	0.002		0.11		2.6	0.002	
H442400	191.50	193.51	2.01	0.004		0.11		2.5	0.004	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
193.51	194.99			**CalV**	**Calcite Vein**

White to grey/green calcite vein, first 20cm of interval contains less ca , likely highly altered wall rock and corresponds to high py content (~10%), white portion of vein corresponds to ca with no sulphides, the grey/green portion contains ca-cl with dis and veinlets of py

Alteration

193.5	195.0	CHL3	CAL4	
		ca vein with cl whisps /veinlets		

Mineralization

193.5 195.0 1-2% py with loc 5% , py associated with ca-cl mix in this vein

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442401	193.51	194.08	0.57	0.378		0.74		66	0.378	
H442402	194.08	194.99	0.91	0.674		0.57		52	0.674	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
194.99	218.00			**1a**	**Pillowed basalt +/- Vavioles**

Pillowed Mafic volcanic, dk grey to black in color with green cl altered selvages more evident at the end of the interval (209-218m), what were vesicles filled with po, primary textures well very preserved,

Alteration

195.0	203.4	CHL2	CAL1	SIL2
		si pervasive, cl found in pillow selvages with lesser ca		
204.4	203.8	CHL2	CAL3	SIL1
		ca alteration zone , weak-mod strain		
203.3	213.3	CHL2	CAL1	SIL2
		si pervasive, cl found in pillow selvages with lesser ca		
213.3	213.9	CHL2	CAL3	SIL1
		ca alteration zone , weak-mod strain		
213.9	218.0	CHL2	CAL1	SIL2
		si pervasive, cl found in pillow selvages with lesser ca		

Mineralization

195.0	203.4	py found in cl altered selvages and po found replacing circular features in the middle of pillows likely vesicles but could be varioles
203.4	203.8	moderately sheared ca - cl alteration zone
203.8	213.3	py found in cl altered selvages and po found replacing circular features in the middle of pillows likely vesicles but could be varioles
213.3	213.9	1-5% py in weakly strained ca-cl alteration zone, probably along pillow selvage
213.9	218.0	py found in cl altered selvages and po found replacing circular features in the middle of pillows likely vesicles but could be varioles

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442403	194.99	197.00	2.01	0.018		0.22		5.9	0.018	
H442404	197.00	199.00	2.00	0.019		0.26		4.8	0.019	
H442405	199.00	201.00	2.00	0.116		0.27		6.6	0.116	
H442406	201.00	203.00	2.00	0.121		0.23		4.3	0.121	
H442408	203.00	205.00	2.00	0.013		0.27		4	0.013	
H442409	205.00	207.00	2.00	0.016		0.21		6	0.016	
H442410	207.00	209.00	2.00	0.029		0.17		4.2	0.029	
H442411	209.00	211.00	2.00	0.015		0.2		3.9	0.015	
H442413	211.00	213.00	2.00	0.016		0.32		7.8	0.016	
H442414	213.00	215.00	2.00	0.072		0.53		10.6	0.072	
H442415	215.00	217.00	2.00	0.013		0.35		7.7	0.013	
H442416	217.00	218.00	1.00	0.065		0.53		4.4	0.065	

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description
218.00	233.75		**1a**	**Pillowed basalt +/- Vavioles**

Variolitic Pillowed Mafic volcanic, dk grey to black in color with green cl altered selvages and spotted white (varioles), moderately stretched vesicles filled with po, primary textures well very preserved, some varioles look very convincing while others do not have good circular shape, all the white primary features are being replaced by which is likely si? Making them harder and darker in color

Alteration

218.0	233.8	CHL2	CAL1	SIL2

si pervasive and possibly si replacing plag in varioles, cl found in pillow selvages with lesser ca, ca also found cutting center of pillows

Mineralization

218.0	233.8	tr py with loc 2% in cl -ca veins, po found replacing circular features in the middle of pillows likely vesicles but could be small varioles

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442417	218.00	220.00	2.00	0.026		0.27		3.7	0.026	
H442418	220.00	222.00	2.00	0.007		0.25		3.9	0.007	
H442419	222.00	224.00	2.00	0.01		0.25		3.3	0.01	
H442421	224.00	226.00	2.00	0.012		0.18		3.1	0.012	
H442422	226.00	228.00	2.00	0.016		0.24		3.7	0.016	
H442423	228.00	230.00	2.00	0.011		0.24		6	0.011	
H442424	230.00	232.00	2.00	0.016		0.29		12.4	0.016	
H442425	232.00	233.75	1.75	0.057		0.45		11.7	0.057	

233.75	242.00		**2**	**Felsic Volcanic**	

Felsic crystal rich volcaniclastic?, could be intrusive but cl altered clast @34.2m , contact with mafics above is transitional and altered and weakly strained, the rest of the unit is fairly heterogeneous with local qz phenos and ranges from crystal rich to crystal poor

Alteration

233.8	234.3	CHL1	SER2	SIL1

bleached mafic felsic transition zone

234.3	240.3	CHLt	SER1	SILt

veins of cl with bleached se si altered selvages

240.3	242.0	CHL2	CAL2	SER2

higher degree of alteration ass with sulphides

Mineralization

233.8	240.3	one or two py veinlest, and vy fg dis py
240.3	242.0	1-2% py with 5% in one 10cm sulphide -ca vein

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442426	233.75	236.00	2.25	0.021		0.23		13.7	0.021	
H442428	236.00	238.00	2.00	0.003		0.07		1.7	0.003	
H442429	238.00	240.00	2.00	0.005		0.05		2.7	0.005	
H442430	240.00	242.00	2.00	0.206		0.5		29.1	0.206	

Hole_ID	TC08-09	**Hole Type**	Core	**Purpose/Comments:**	
Project	Thundercloud	**Survey Type**	Reflex		
X	534218	**Hole Diameter**	NQ	This hole was the first hole in the 2008 drilling program to test the Pelham area; specifically the Pelham "3 Zone". Trench 11 intersected part of this zone and included 8.98m at 2.13g/t Au. Teck field grab samples of 2.3g/t and 9.3g/t were collected from near the collar location. This hole was drilled near a gabbro-sediment contact and drilled under trench 11. It also tested a strong chargeability anomaly that comes to surface to the south of the collar location.	
Y	5471362	**Drill Operator**	Morris Drilling		
z	455	**Drill Rig**	#1		
Azimuth	200	**Grid East**			
Dip	-60	**Grid North**			
Total Length	296.0	**Start Date**	10/6/2008		
Location		**End Date**	10/9/2008		
Grid		**Logged by**	L. Tam, A. Shannon		
Claim		**Date Logged**	10/12/2008		
NTS Mapsheet	052F07	**Sampled by**	L. Tam, A. Shannon		

Survey Data:

Depth	*Azimuth*	*Dip*
14.0	204.3	-61.1
62.0	206.4	-60.4
122.0	210.2	-60.1
182.0	197	-59.7
242.0	212.9	-59.1
296.0	214.1	-58.5

Teck

From (m)	*To (m)*	*Geological Description* / *Formation Name*	*Litho Code*	*Litho Description*
0.00	9.00		**OB**	**Casing/Overburden**

Alteration

Mineralization

9.00	19.38		**2**	**Felsic Volcanic**

Felsic volcaniclastic, rare quartz, White and light green in color, spotted with darker cl replaced crystal/clasts, highly foliated and altered, one or two clasts observed, numerous cl, ca, si veins with pale color se-si selvages, this could be intrusive but hard to see primary textures due to alteration

Alteration

9.0	18.7	CHL2	SER2	SIL1
		cl replacing crystals, se si selvages,		
18.7	19.4	CHL3	SER2	SIL2
		associated with contact		

Mineralization

9.0	18.7	little py dis and more along fractures/veinlets
18.7	19.4	1% py as clots strained

Field No	*FROM*	*TO*	*INT. (m)*	*Au ICP ppm*	*Au Assay ppm*	*Ag ICP ppm*	*Ag Assay ppm*	*As ICP ppm*	*Au Plot ppm*	*As Plot ppm*
H442431	9.00	11.00	2.00	0.003		0.08		1.1	0.003	
H442432	11.00	13.00	2.00	0.001		0.04		1.1	0.001	
H442434	13.00	15.00	2.00	0.003		0.03		1.2	0.003	
H442435	15.00	17.00	2.00	0.002		0.03		1.2	0.002	
H442436	17.00	18.50	1.50	0.014		0.11		7.4	0.014	
H442437	18.50	19.38	0.88	0.149		0.33		28	0.149	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
19.38	26.69			3	**Sediment**

Mafic sediment, medium grained sandstone, highly altered (cl and si) and magnetic, could be confused with mafic intrusive due to it's texture, but very small quartz grains seen throughout with the largest observed at 24.90m, this unit has intense cl veinlets some of which are highly magnetic as well as si veinlets that are non magnetic, strong foliation 30-50o c.a.

Alteration

19.4	20.4	BIO1	CHL4		SIL3

highly altered, cl pervasive as well as cl+si veinlets (parallel to foliation and anastomosing) associated with sulphides, some brn ass with veins and may be bi,

20.4	20.6		CHL3		SIL4

diffuse contacts, with this silicified zone with most sulphides seen in interval

20.6	23.1	BIO1	CHL4		SIL3

highly altered, cl pervasive as well as cl+si veinlets (parallel to foliation and anastomosing) associated with sulphides, some brn ass with veins and may be bi,

23.1	23.9		CHL4		SIL4

concentration of si alteration associated with sulphides

23.9	26.7	BIO1	CHL4		SIL3

highly altered, cl pervasive as well as cl+si veinlets (parallel to foliation and anastomosing) associated with sulphides, some brn ass with veins and may be bi,

Mineralization

19.4	20.4	tr to 1% po, py consistently >2% up to 5% all are aligned, strained along a foliation 30-50o c.a. with cl-si veins hosting py at the same orientation
20.4	20.6	15% py, in veins and strained clots
20.6	23.1	tr to 1% po, py consistently >2% up to 5% all are aligned, strained along a foliation 30-50o c.a. with cl-si veins hosting py at the same orientation
23.1	23.9	8% py in sulphide vein and in number of cl and/or si veins
23.9	26.7	tr to 1% po, py consistently >2% up to 5% all are aligned, strained along a foliation 30-50o c.a. with cl-si veins hosting py at the same orientation

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
26.69	30.66			2	**Felsic Volcanic**

Feldspar +/- quartz porphyritic volcaniclastic, grey-beige in color with locally aphanitic sections, majority of rock contains rounded feldspars with loc tabular feldspars, local rounded qz, grey sections less altered with beige corresponding to se-si alteration associated with fracturing (selvages)

Alteration

26.7	30.7		CAL1	SER2	SIL2

ca veinlets, se alteration of feldspars and as selvage to fractures/veinlets

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H442438	19.38	20.30	0.92	0.09		0.19		13.8	0.09	
H442439	20.30	21.00	0.70	0.167		0.53		20.5	0.167	
H442441	21.00	22.00	1.00	0.091		0.36		15.7	0.091	
H442442	22.00	23.00	1.00	0.031		0.12		252	0.031	
H442443	23.00	24.00	1.00	0.135		0.31		29.1	0.135	
H442444	24.00	25.00	1.00	0.081		0.24		18.7	0.081	
H442445	25.00	26.00	1.00	0.07		0.34		19.6	0.07	
H442446	26.00	26.69	0.69	0.179		0.5		40.6	0.179	
H442448	26.69	28.69	2.00	0.005		0.12		11.6	0.005	
H442449	28.69	30.66	1.97	0.004		0.12		13.8	0.004	

From (m)	To (m)	Geological Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
		Formation Name *Litho Code* *Litho Description*											
		Mineralization											
		26.7 30.7 tr py dis as well as loc in veins											
30.66	42.85	**3 Sediment**	H442450	30.66	31.66	1.00	0.116		0.46		29.3	0.116	
		Mg. Mafic sediment, similar texture, alteration and mineralization to 19.38-26.69m, m.g. sandstone and grades into f.g. sst to siltstone at 36.13 with a slight reduction in sulphide contact, through interval numerous cl, si, and py veins parallel to the foliation	H442451	31.66	32.66	1.00	0.157		0.64		70.6	0.157	
			H442452	32.66	33.66	1.00	0.342		0.67		29.5	0.342	
			H442454	33.66	34.66	1.00	0.521		0.83		22.8	0.521	
		Alteration	H442455	34.66	35.66	1.00	0.489		1.44		24.4	0.489	
		30.7 42.9 BIO2 CHL4 SIL2	H442456	35.66	36.66	1.00	0.52		0.75		19.2	0.52	
		brn bi loc on edge of cl veins, cl as veins and pervasive,	H442457	36.66	37.66	1.00	0.726		0.79		19.8	0.726	
			H442458	37.66	38.66	1.00	0.198		0.32		12.5	0.198	
		Mineralization	H442459	38.66	39.66	1.00	0.062		0.28		11.8	0.062	
		30.7 42.9 py 2-10% strained along foliation as clots, following fractures and in si and si-cl veins, po tr	H442461	39.66	40.66	1.00	0.075		0.29		11.2	0.075	
			H442462	40.66	41.66	1.00	0.463		0.35		11.2	0.463	
			H442463	41.66	42.85	1.19	0.199		0.62		27.6	0.199	
42.85	62.85	**2 Felsic Volcanic**	H442464	42.85	44.30	1.45	0.047		0.17		11.1	0.047	
		Felsic volcaniclastic, bleached texture with patch to pervasive chalky appearance (se) with green spots (cl replaced crystals/clasts), well foliated at ~25o c.a., with cl-ca veins along the same orientation, not much evidence that it's volcanic as primary textures are obscured by alteration but rounded quartz grains visible	H442465	44.30	46.00	1.70	0.061		0.06		2.6	0.061	
			H442466	46.00	47.50	1.50	0.003		0.01		2.5	0.003	
			H442468	47.50	49.00	1.50	0.002		0.01		2.5	0.002	
		Alteration	H442469	49.00	50.50	1.50	0.001		0.01		1.8	0.001	
		42.9 62.9 CHL3 CAL2 SER4 SIL2	H442470	50.50	52.00	1.50	0.001		0.01		1.8	0.001	
		se patches and perv, si vein+perv, cl rep clasts and in veins, ca veins and loc	H442471	52.00	53.50	1.50	0.003		0.01		1.8	0.003	
			H442472	53.50	55.00	1.50	0.004		0.01		1.5	0.004	
		Mineralization	H442474	55.00	57.00	2.00	0.009		0.02		2.3	0.009	
		42.9 62.9 loc dis , but mostly in si-cl veins	H442475	57.00	58.50	1.50	0.004		0.01		2.7	0.004	
			H442476	58.50	60.00	1.50	0.005		0.02		2.8	0.005	
			H442477	60.00	61.50	1.50	0.002		0.01		1.4	0.002	
			H442478	61.50	62.85	1.35	0.003		0.01		1.7	0.003	
62.85	79.56	**3 Sediment**	H442479	62.85	64.85	2.00	0.528		0.79		17.1	0.528	
		Mafic sediment. Fine grained sandstone. Dark green-grey colour. Very small quartz grains occasionally observed. Clast poor, but hints of clasts and more clast rich at 78.75 m with sub angular and rounded clasts up to 2 cm. Weakly to moderately foliated at ~30o c.a.. Cl +/- qtz +/- calcite veins mostly oriented along foliation. At 75 m, calcite-cl veins at low angle to c.a. Gradational contact with the volcaniclastic unit below, defined by increasing feldspar crystals in the sandy mafic matrix toward the end of the interval.	H442481	64.85	66.00	1.15	0.499		0.49		10.1	0.499	
			H442482	66.00	67.50	1.50	0.812		0.73		19.2	0.812	
			H442483	67.50	68.50	1.00	0.745		0.36		10	0.745	
			H442484	68.50	69.50	1.00	0.245		0.83		12	0.245	
			H442485	69.50	71.00	1.50	0.924		0.69		11.5	0.924	
			H442486	71.00	72.05	1.05	2.47		1.87		15.2	2.47	
		Alteration	H442488	72.05	73.00	0.95	18.2	18.2	3.48		27.1	18.2	
		62.9 79.6 BIO1 CHL3 CAL1 SIL2											

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
		cl rims around calcite veins and disseminated within veins, also pervasive. Si is pervasive and vein. Calcite occurs in patches and veins. Biotite is occasionally along the rims of veins			H442489	73.00	74.00	1.00	4.7		2.14		45.8	4.7	
					H442490	74.00	75.00	1.00	0.476		0.58		17.6	0.476	
					H442491	75.00	76.00	1.00	0.68		0.63		16.7	0.68	
		Mineralization			H442492	76.00	77.00	1.00	0.186		0.45		18.4	0.186	
	62.9	72.1		2-8% py in strained clots along foliation, within and surrounding cl-si and cl-ca veins. Where foliation is not as visible, py also seen as finely dis.	H442494	77.00	78.72	1.72	0.536		0.85		39.2	0.536	
	72.1	74.0		similar to above, but 10-15% py in strained clots along foliation	H442495	78.72	79.55	0.83	0.027		0.21		9.8	0.027	
					H442496	79.55	81.55	2.00	0.009		0.1		3.4	0.009	
79.56	86.63	**2 Felsic Volcanic**			H442497	81.55	83.55	2.00	0.007		0.05		1.5	0.007	
		Quartz-feldspar porphyritic volcaniclastic. Grey-beige in colour. Rounded feldspars up to 3 mm, elongated along foliation. Quartz less common and occurs in rounded grains 1-2 mm. Clasts seen at 85.78 m. They are rounded and si + se altered. Patchy and vein se + si alteration throughout. Strong foliation between 30-40o c.a.			H442498	83.55	85.55	2.00	0.01		0.09		2.9	0.01	
					H442499	85.55	86.63	1.08	0.012		0.05		2.8	0.012	
		Alteration													
	79.6	86.6		CHL2 CAL1 SER3 SIL2											
		Se in patches (altering fsp) and around the edges of veins. Si within veins and per, cl mostly in veins occurring with ca and si.													
		Mineralization													
86.63	101.29	**3a Conglomerate**			H441501	86.63	87.63	1.00	0.087		0.14		12.8	0.087	
		Conglomerate with variety of sub angular to rounded clasts aligned with foliation ~35o c.a. (many felsic aphanitic, but also QFP and fine grained mafic). Large felsic aphanitic si-se altered sections (large clasts or ash-rich interval?)Locally more matrix rich beds. Matrix supported with grey to green-grey fine grained sandy matrix with occasional rounded qtz grains within it. Difficult to find exact upper contact due to intense si + se alteration there.			H441502	87.63	88.63	1.00	0.112		0.27		15.4	0.112	
					H441503	88.63	90.25	1.62	0.102		0.24		19.6	0.102	
		Alteration			H441504	90.25	92.25	2.00	0.028		0.18		5.3	0.028	
	86.6	101.3		CHL3 CAL2 SER3 SIL3 Ept	H441505	92.25	94.25	2.00	0.014		0.06		6	0.014	
		Strong si alteration at start of interval possibly felsic clasts? Most si is pervasive and in veins. Cl is replacing clasts and also in veins occurring with si and calcite. Se patches and vein selvages. Trace ep seen in veins.			H441506	94.25	96.25	2.00	0.01		0.08		8.2	0.01	
					H441507	96.25	98.25	2.00	0.004		0.08		4.9	0.004	
		Mineralization			H441509	98.25	100.00	1.75	0.011		0.06		5.7	0.011	
	86.6	90.3		2-5% disseminated pyrite. Finely dis throughout seds with small clots and dis in cl-ca veins. Dis py in cl-ca veins through felsic aphanitic sections, also finely dis py in the felsics.	H441510	100.00	101.29	1.29	0.081		0.06		5.3	0.081	
	90.3	101.3		Trace to 0.5% disseminated pyrite. Finely dis and occurring with cl in veins. Occurring in some clasts (repl?).											

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
101.29	110.24	Conglomerate. Polymictic with variety of sub angular to rounded clasts similar to above aligned with foli ~30-35o c.a. (many felsic aphanitic, but also QFP and fine grained mafic). Matrix supported (~50% clasts, 50% matrix). Grey fine grained sandy matrix with rounded qtz grains within it. Gradational with the sediments above.		3a	Conglomerate

Alteration

101.3	110.2		CHLt	CAL1 SER2	SIL2

Si is pervasive and in veins. Se replacing fsp in felsic clasts, also in veins selvages. Ca in veins with other carbonates and minor cl.

Mineralization

101.3	110.2	Trace to 0.5% pyrite in clots, some parallel to foliation. Up to 0.5% occurring dis in ca veins that are more cl-rich.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441511	101.29	103.29	2.00	0.02		0.11		5.7	0.02	
H441512	103.29	105.29	2.00	0.019		0.1		7.1	0.019	
H441514	105.29	107.29	2.00	0.005		0.05		8.2	0.005	
H441515	107.29	109.29	2.00	0.009		0.08		5.3	0.009	
H441516	109.29	110.24	0.95	0.011		0.05		6.5	0.011	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
110.24	115.27	Conglomerate. Polymictic. Clast-poor and matrix supported (~10-20% clasts, 80-90% matrix) and local clast-rich beds. Light grey overall colour. Clasts are mostly felsic aphanitic and felsic intrusive, may be other lithologies as well. Clasts aligned with foliation - 40-50o c.a. Matrix is more felsic than conglomerate above and contains moderate to high abundance of rounded quartz grains up to 3 mm.		3a	Conglomerate

Alteration

110.2	115.3			CAL1 SER2	SIL2

Similar alteration to above, no cl observed.

Mineralization

110.2	115.3	trace dis py.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441517	110.24	112.24	2.00	0.004		0.08		7.7	0.004	
H441518	112.24	114.24	2.00	0.006		0.07		5.1	0.006	
H441519	114.24	115.27	1.03	0.011		0.12		7.3	0.011	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
115.27	125.00	Conglomerate. Polymictic with variety of sub angular to rounded clasts up to cobble size (felsic aphanitic, QFP, mafic, granitic) aligned with foliation - 40-50o c.a. Matrix supported with fine-medium grained intermediate to mafic matrix containing occasional round quartz grains. Up to 70% clasts, 30% matrix with clast-poor beds. From 116.57-118.33 m: Medium grained mafic sediment. Clast-poor unit interbedded within conglomerate. Rare clasts seen as well as possible rounded quartz grains. Cl-Ca-Si veins. From 120.44-122.43 m: Medium grained intermediate(?) sediment interbedded within conglomerate. Patches of felsic aphanitic may be large clasts. Occasional clasts seen but does not have same variety as conglomerate.		3a	Conglomerate

Alteration

115.3	120.4		CHL2	CAL1	SIL2

Chlorite pervasive within matrix. Si per and veins. Minor calcite within matrix, most is in veins, occasionally rimmed with cl.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441520	115.27	117.27	2.00	0.033		0.12		10.2	0.033	
H441522	117.27	119.00	1.73	0.217		0.13		9.4	0.217	
H441523	119.00	120.44	1.44	0.048		0.19		11.7	0.048	
H441524	120.44	122.43	1.99	0.197		0.18		14.3	0.197	
H441525	122.43	125.00	2.57	0.065		0.2		8.3	0.065	

From (m)	To (m)	Geological Description	Litho Code	Litho Description
		Formation Name		

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm

120.4 122.4 BIO2 CHL1 CAL2 SIL1

Biotite strong at start of interval for ~40 cm. Si in veins and per. Ch occurring with Ca in veins.

122.4 125.0 CHL2 CAL3 SIL2

Calcite per in matrix and in veins. Si per. Cl per in matrix and also in veins with ca.

Mineralization

115.3 120.4 0.1% dis py in matrix and occasionally seen in clasts. At 117.90 m, dis py seen as rim around ca vein.

120.4 125.0 0.1-0.5% finely dis py in matrix. Also minor amount in clots and dis as repl in clasts.

125.00 131.85 **3 Sediment**

Fine grained mafic sandstone. Medium grey. No quartz eyes seen but is in gradational contact with conglomerate. Moderate si and cl alteration. Abundant small Ca veins.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441526	125.00	127.00	2.00	0.157		0.25		19.2	0.157	
H441527	127.00	129.00	2.00	0.139		0.25		14.5	0.139	
H441529	129.00	130.50	1.50	0.148		0.19		13.2	0.148	
H441530	130.50	131.85	1.35	0.313		0.31		16.7	0.313	

Alteration

125.0 131.9 CHL2 CAL2 SIL2

Similar to above, but less pervasive ca. Ca is mostly in veins along with cl.

Mineralization

125.0 131.9 0.5-1% finely dis py. Occasional small clots seen in Ca-Cl veins and within seds (possible repl of clasts?)

131.85 136.41 **3a Conglomerate**

Conglomerate. Light to medium grey, polymictic, matrix supported pebble conglomerate. Fine to medium grained matrix with occasional rounded quartz grains. Clasts are of varied lithologies and stretched along foliation - ~40o c.a. Locally clast-poor beds consisting of smaller clasts and more matrix.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441531	131.85	133.85	2.00	0.026		0.23		6.2	0.026	
H441532	133.85	135.00	1.15	0.019		0.2		8.7	0.019	
H441533	135.00	136.41	1.41	0.035		0.29		10.1	0.035	

Alteration

131.9 136.4 CHL2 CAL1 SER1 SIL2

Cl per in matrix and also as rims on Ca veins. Se along some vein selvages and alteration on felsic clasts.

Mineralization

131.9 136.4 0.1% disseminated py in matrix and occasionally clasts.

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm

136.41 146.93 **3 Sediment**

Mafic sediment, fine grained sandstone. One definite quartz grain observed in the matrix. Also highly magnetic and magnetite observed in dark grey bands. Clast poor, occasional rounded clasts seen, but most primary textures are no longer visible due to alteration (mostly Cl and some Si, Bi). Grades into conglomerate at lower contact with increasing amount of small, pebble-sized clasts.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441535	136.41	137.91	1.50	1.38		0.97		43.1	1.38	
H441536	137.91	139.41	1.50	1.925		1.19		28.4	1.925	
H441537	139.41	140.72	1.31	2.23		0.96		19.6	2.23	
H441538	140.72	141.67	0.95	1.895		1.18		74.1	1.895	
H441539	141.67	143.36	1.69	3.99		1.58		26.2	3.99	
H441540	143.36	143.95	0.59	1.685		1.33		35.7	1.685	
H441542	143.95	145.45	1.50	1.195		0.77		9.2	1.195	
H441543	145.45	146.93	1.48	0.887		0.67		9.8	0.887	

Alteration

136.4	140.7	BIO3	CHL4	CAL1	SIL2
140.7	141.7	BIO3	CHL2	CAL2	SIL4

si per and in veins throughout. Patchy bi with py often associated. Cl and Ca in veins.

141.7	146.9	BIO3	CHL3	CAL1	SIL2

Similar to above with less pervasive si veins and less ca veins.

Mineralization

136.4	140.7	5-10% pyrite in clots. Often associated with cl patches.
140.7	141.7	10-15% pyrite in clots aligned with strain and in ca-cl veins
141.7	143.4	5-10% py in clots aligned with strain and occ dis in veins with ca and cl
143.4	144.0	15-20% py in aggregates of small clots. Possibly concentrated in more si-altered areas?
144.0	146.9	2-8% py dis and in small clots, associated with cl in veins.

146.93 156.68 **3a Conglomerate**

Conglomerate. Polymictic, matrix supported pebble conglomerate. Clasts are sub angular to sub rounded and mostly felsic aphanitic or QFP. Some replacement of clasts by dis py. Occasional rounded quartz grains in matrix. Several sections at high angle to core that are altering differently due to either different composition or porosity - could possibly be bedding - looks to be primary. They are often clast rich. Highly cl and si altered from 151.83 m to 153.67 m and from 155.19 m to 155.55 m.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441544	146.93	148.93	2.00	0.193		0.32		5.2	0.193	
H441545	148.93	150.43	1.50	0.052		0.24		4.4	0.052	
H441546	150.43	151.83	1.40	0.03		0.14		3.6	0.03	
H441547	151.83	153.67	1.84	0.04		0.31		4.1	0.04	
H441549	153.67	155.19	1.52	0.043		0.13		2.6	0.043	
H441550	155.19	156.68	1.49	0.035		0.18		4.4	0.035	

Alteration

146.9	151.8		CHL2	CAL2 SER1	SIL2

Per si as well as in veins with cl. Cl and Ca also occurring in veins. Se partially replacing some clasts.

151.8	153.7		CHL4	CAL3 SER2	SIL4

Abundant Si per and veins. Ca in veins with Cl along rims. Se as vein selvages.

153.7	155.2		CHL2	CAL2 SER1	SIL2

Same as 146.93 m to 151.83 m.

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
155.2	155.6			CHL4 CAL2 SER2 SIL4	
		Abundant Si per and veins. Ca in veins with Cl along rims. Se as vein selvages.			
155.6	156.7			CHL2 CAL1 SIL2	
		Si per and in veins with Cl. Minor Ca also in veins. Py with veins.			
		Mineralization			
146.9	151.8	0.5-1% py dis and dis in cl-ca and cl-si veins.			
151.8	153.7	2-5% py within veins. Veins are either cl-si or rimmed with cl and have ca and si in the centre.			
153.7	156.7	0.1-0.5% py dis in veins containing cl +/- ca, si			
156.68	175.81	**2 Felsic Volcanic**			
		Feldspar +/- quartz porphyritic volcaniclastic. Rare phenocrysts for first 1.70 m of interval and again in last ~3.00 m. ~30% phenos overall. Quartz phenocrysts are rounded and up to 5 mm. Feldspars are also rounded, occasionally tabular, and 1-2 mm, and sericitized. Grey-brown fine grained, ash-sized, matrix. Could possibly be intrusion due to decreasing amount of phenocrysts on either end of interval (chilled margin).			
		Alteration			
156.7	175.8			CHL2 CAL2 SER4 SIL2	
		Per si. Se altering fsp in patches. Cl and Ca (+/- dolomite?) occurring together in veins.			
		Mineralization			
175.81	203.91	**3 Sediment**			
		Intermediate(?) sediment. Fine grained, dark green-grey to brown-grey. Rare clasts seen and those observed are quartz +/- fsp porphyry. Highly variable amounts of mineralization. Unable to see primary textures due to strong alteration. It is possible that this is gradational with the volcaniclastic (below) with cl and bi overprinting overprinting any identifying features. Interval from 183.36 m to 184.21 m appears to be feldspar porphyritic volcaniclastic.			
		Alteration			
175.8	182.4			BIO3 CHL4 CAL2 SER1	
		Intense patchy Cl and strong bi also patchy. Ca in both planar and wavy veins with strong Cl alteration around the veins. Se is local and only where interval is fsp-rich.			
183.4	184.2			CHL1 CAL1 SER2 SIL2	
		Possibly interbedded volcaniclastic material. Se patchy alteration on fsp and along veins. Minor Cl in veins with Ca.			
184.2	188.9			BIO3 CHL2 CAL2 SIL1	
		Per bi. Cl occurring around calcite veins oriented along foliation. Per Si.			

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441551	156.68	158.68	2.00	0.007		0.18		1	0.007	
H441552	158.68	160.68	2.00	0.019		0.01		1.2	0.019	
H441553	160.68	162.68	2.00	0.026		0.04		1.7	0.026	
H441554	162.68	164.68	2.00	0.011		0.03		1.3	0.011	
H441555	164.68	166.68	2.00	0.006		0.05		1.9	0.006	
H441556	166.68	168.68	2.00	0.004		0.04		1.7	0.004	
H441558	168.68	170.68	2.00	0.004		0.03		1.7	0.004	
H441559	170.68	172.68	2.00	0.005		0.07		2.7	0.005	
H441560	172.68	174.68	2.00	0.007		0.29		3.4	0.007	
H441561	174.68	175.81	1.13	0.011		0.05		2.6	0.011	
H441562	175.81	177.24	1.43	0.204		1.08		17.8	0.204	
H441564	177.24	179.24	2.00	0.149		0.56		15	0.149	
H441565	179.24	181.24	2.00	0.183		0.5		11.1	0.183	
H441566	181.24	183.36	2.12	0.114		0.5		11.5	0.114	
H441567	183.36	185.36	2.00	0.051		0.33		12.2	0.051	
H441568	185.36	187.00	1.64	0.187		0.4		11.1	0.187	
H441569	187.00	188.22	1.22	0.881		1.24		23.8	0.881	
H441571	188.22	190.22	2.00	0.047		0.33		13.9	0.047	
H441572	190.22	192.22	2.00	0.013		0.2		7.9	0.013	
H441573	192.22	194.22	2.00	0.198		0.63		9	0.198	
H441574	194.22	196.22	2.00	0.017		0.21		4.4	0.017	
H441575	196.22	198.22	2.00	0.005		0.05		3	0.005	
H441576	198.22	200.22	2.00	0.001		0.05		2.6	0.001	
H441578	200.22	202.22	2.00	0.002		0.03		2.8	0.002	
H441579	202.22	203.91	1.69	0.002		0.03		2.7	0.002	

From (m)	To (m)	Geological Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
		Formation Name *Litho Code* *Litho Description*											
188.9	194.6	BIO2 CHL1 CAL1 SER2 SIL1 Patchy bi (replacing more intermediate sed?) Cl and Ca occurring together in veins.											
194.6	203.9	CHL1 CAL1 SER2 Patchy sericite altering feldspar and along veins. Calcite occurring with another carbonate (dolomite?) and occasionally Cl in veins.											
Mineralization													
175.8	177.2	5% pyrite in clots slightly strained.											
177.2	178.3	0.1% pyrite in clots.											
178.3	183.4	0.1-1% pyrite in clots. Most mineralization found in veins or surrounding them.											
183.4	184.2	Trace py in Ca-Cl veins.											
184.2	188.2	1-3% pyrite in clots. Aligned with foliation in high strain, cl and bi altered interval.											
188.2	209.8	Trace pyrite. Almost no sulphides found in ca veins.											
203.91	209.77	**2 Felsic Volcanic** Quartz-feldspar porphyritic volcaniclastic. Round quartz grains ranging in size from less than 1 mm to 15 mm. Very few are broken. Feldspars are also rounded, occasionally tabular, and up to 3 mm in size. Grains set in fine grained siliceous matrix. One hint of a felsic clast seen, cannot confirm it is. Unit is cut by anastomosing sericitized veins and planar calcite (+ dolomite?) veins.	H441580	203.91	205.91	2.00	0.033		0.07		2.7	0.033	
			H441581	205.91	207.91	2.00	0.141		0.15		11.2	0.141	
			H441582	207.91	209.77	1.86	0.094		0.14		14.1	0.094	
Alteration													
203.9	209.8	CAL1 SER3 Patchy sericite altering feldspar and along veins. Calcite occurring with another carbonate (dolomite?) in veins.											
Mineralization													
209.77	212.55	**3 Sediment** Intermediate to mafic sediment. Fine grained, dark grey-brown. No quartz grains observed. Rare clasts are sub angular to sub rounded and chloritized. Strong chlorite and biotite pervasively. Gradational upper contact defined by absence of quartz grains and gradational lower contact defined by appearance of quartz grains and change in alteration (sericite).	H441584	209.77	211.00	1.23	0.065		0.51		14.9	0.065	
			H441585	211.00	212.55	1.55	0.043		0.56		14.3	0.043	
Alteration													
209.8	212.6	BIO4 CHL3 CAL2 Pervasive bi with increasing cl toward lower half of interval. Ca in patches as well as planar and anastomosing veins, occasionally with chlorite along rims.											

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description

Mineralization

209.8	212.6	1-2% pyrite in clots aligned with strain. Associated with Cl? But difficult to tell due to also having intense Bi alteration.

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
212.55	216.35	Quartz-feldspar porphyritic volcaniclastic. Round to broken quartz grains, ranging in size from less than 1 mm to 8 mm. Feldspars are rounded, occasionally tabular and 1-3 mm in length. No clasts observed. Entire interval is strongly sericitized and cut by occasional thin calcite veinlets, also sericitized along the edges.	2	Felsic Volcanic	

Alteration

212.6	217.0	CAL1	SER3	Patchy sericite altering feldspar. Calcite (+dolomite?) in thin veinlets, some with sericite in selvages.

Mineralization

212.6	216.4	0.1% disseminated py, most intense mineralization is over ~20 cm adjacent to contact with int-mafic sediments.

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
216.35	296.00	Feldspar +/- quartz crystal volcaniclastic. Medium grey with patchy yellow-grey sericitized areas. Abundant feldspar crystals <1 mm to 2 mm, mostly rounded. Occasional crystals are larger than 2 mm and these are often tabular. Rare quartz grains, those observed are 1-2 mm and round. Matrix is siliceous and fine grained. Locally more feldspar-rich and more sericitized? Frequent chlorite veins, often with carbonates within them as well as occasionally quartz. Veins are at varied orientations, from planar and ~45o c.a. to anastomosing and almost parallel to core axis. Possibly epidote within some of the veins @ ~287-291 m, may be chlorite that has altered to sericite, but a few of grains look euhedral and pistachio green. Possible clasts, but may be large sericitized feldspar crystals.	2	Felsic Volcanic	

Alteration

217.0	248.1	CHL1	CAL1	SER2	SIL1	Patchy sericite altering feldspar. Occasional anastomosing Ca veins with Cl along edges (altering to Se in places). Rare Si in anastomosing veins also with Ca and Cl. Minor dis py in veins.
248.1	249.7	CHL1	CAL1	SER3	SIL1	Similar to above interval but more intense patchy Se.
249.7	278.5	CHL1	CAL1	SER2	SIL1	Same as 216.96 to 248.05 m.
278.5	281.4	CHL1	CAL1	SER3		Sericite almost pervasively. Minor planar Ca veinlets with Cl along edges.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441586	212.55	214.55	2.00	0.055		0.09		10.3	0.055	
H441587	214.55	216.35	1.80	0.056		0.1		7.7	0.056	
H441588	216.35	218.35	2.00	0.004		0.08		3.4	0.004	
H441589	218.35	220.35	2.00	0.003		0.04		2.1	0.003	
H441591	220.35	222.35	2.00	0.002		0.05		2.1	0.002	
H441592	222.35	224.35	2.00	0.004		0.1		2.5	0.004	
H441593	224.35	226.35	2.00	0.004		0.05		2.6	0.004	
H441594	226.35	228.35	2.00	0.002		0.04		2.8	0.002	
H441595	228.35	230.35	2.00	0.003		0.05		2.9	0.003	
H441596	230.35	232.35	2.00	0.002		0.05		2.5	0.002	
H441598	232.35	234.35	2.00	0.003		0.06		2.6	0.003	
H441599	234.35	236.35	2.00	0.003		0.07		2.6	0.003	
H441600	236.35	238.35	2.00	0.006		0.08		3	0.006	
H441601	238.35	240.35	2.00	0.002		0.05		2.5	0.002	
H441602	240.35	242.35	2.00	0.001		0.04		2.3	0.001	
H441603	242.35	244.35	2.00	0.001		0.06		2.3	0.001	
H441604	244.35	246.35	2.00	0.002		0.04		1.8	0.002	
H441606	246.35	248.05	1.70	0.003		0.03		2.6	0.003	
H441607	248.05	249.69	1.64	0.004		0.05		4.1	0.004	
H441608	249.69	251.69	2.00	0.002		0.06		1.2	0.002	
H441609	251.69	253.69	2.00	0.001		0.1		1.8	0.001	
H441611	253.69	255.69	2.00	0.003		0.1		5.3	0.003	
H441612	255.69	257.69	2.00	0.003		0.09		2.3	0.003	
H441613	257.69	259.69	2.00	0.001		0.12		1.4	0.001	

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description
281.4	286.9		CHL1 CAL1 SER1	
		Patchy sericite altering feldspar and along edge of Ca-Cl veinlets.		
286.9	296.0		CHL1 CAL1 SER2 SIL1	
		Patchy sericite altering feldspar. Irregular, wavy Cl veins with lesser amounts of Ca and Si within them. Cl is often altering to Se. Trace py within these veins, but not consistently mineralized. Euhedral green crystals within several of the large, irregular veins are possibly epidote.		
Mineralization				
216.4	296.0	Trace disseminated pyrite, most of which is within planar or anastomosing Cl veins. Rare flake of py in matrix of volcaniclastic. Cl-Si-Ca veins appear to be more often mineralized than veins with only Cl-Ca.		

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441614	259.69	261.69	2.00	0.001		0.06		1.1	0.001	
H441615	261.69	263.69	2.00	0.001		0.06		0.9	0.001	
H441616	263.69	265.69	2.00	0.002		0.07		0.7	0.002	
H441617	265.69	267.69	2.00	0.001		0.08		2.6	0.001	
H441619	267.69	269.69	2.00	0.001		0.07		1.4	0.001	
H441620	269.69	271.69	2.00	0.001		0.04		0.9	0.001	
H441621	271.69	273.69	2.00	0.002		0.07		0.9	0.002	
H441622	273.69	275.69	2.00	0.001		0.07		0.6	0.001	
H441623	275.69	277.69	2.00	0.002		0.07		0.7	0.002	
H441624	277.69	278.53	0.84	0.001		0.11		0.6	0.001	
H441626	278.53	281.35	2.82	0.002		0.04		0.6	0.002	
H441627	281.35	283.35	2.00	0.002		0.06		0.6	0.002	
H441628	283.35	285.35	2.00	0.005		0.32		0.6	0.005	
H441629	285.35	286.88	1.53	0.002		0.03		0.8	0.002	
H441630	286.88	288.88	2.00	0.001		0.07		1.2	0.001	
H441632	288.88	290.88	2.00	0.001		0.07		1.4	0.001	
H441633	290.88	292.88	2.00	0.002		0.05		1.6	0.002	
H441634	292.88	294.99	2.11	0.002		0.04		1.1	0.002	
H441635	294.99	296.00	1.01	0.019		0.03		0.9	0.019	

Hole_ID	TC08-10
Project	Thundercloud
X	534275
Y	5471464
z	451
Azimuth	200
Dip	-60
Total Length	308.0
Location	
Grid	
Claim	
NTS Mapsheet	052F07

Hole Type	Core
Survey Type	Reflex
Hole Diameter	NQ
Drill Operator	Morris Drilling
Drill Rig	#1
Grid East	
Grid North	
Start Date	10/10/2008
End Date	10/14/2008
Logged by	L. Tam
Date Logged	10/14/2008
Sampled by	A. Shannon, L. Tam

Purpose/Comments:

This hole was a step back hole from TC08-09 on the Pelham "3 Zone". The target was the same as TC08-09 including the geochemical anomaly in Trench 11 and I.P. chargeability anomaly; however this hole tests the anomalies at depth. The hole was expected to intersect the gabbro-sediment contact and creating a fence with TC08-09. It also tests the idea that the gabbro sediment contact may be important to mineralization.

Survey Data:

Depth	Azimuth	Dip
14.0	201.5	-58.2
62.0	204.2	-57.9
122.0	207.2	-57.7
182.0	189.1	-57.6
242.0	205.8	-57.3
308.0	209.2	-56.7

Teck

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
0.00	3.33	Overburden		**OB**	**Casing/Overburden**
		Alteration			
		Mineralization			
3.33	12.24	Intermediate(?) sandstone. Fine grained. Light to medium grey colour. Generally is clast poor although locally grades into pseudo-clastic facies with angular dark brown aphanitic possible clasts. Gradational contact determined by first appearance of definite clasts.		**3**	**Sediment**
		Alteration			
		3.3 12.2 CHL2 CAL1 SER1 Fairly per Cl giving greenish colour to interval, with slightly more Cl concentrated along veins. Planar and anastomosing Ca veins with Se often in selvages.			
		Mineralization			
		3.3 12.2 Trace py, may be within Ca veins.			

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441636	3.08	5.08	2.00	0.004		0.06		5.9	0.004	
H441637	5.08	7.08	2.00	0.011		0.1		3.1	0.011	
H441639	7.08	9.08	2.00	0.006		0.11		8.8	0.006	
H441640	9.08	11.08	2.00	0.004		0.1		4.8	0.004	
H441641	11.08	12.24	1.16	0.003		0.06		5.5	0.003	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
12.24	17.09			3	Sediment

Clastic facies. Polymictic with fine to medium grained matrix of mafic(?) composition with a green-grey colour. Matrix supported. ~30-50% clasts. Three clast types observed - dominant type is dark brown aphanitic mafic(?). Also fine grained, beige sericitized felsic and aphanitic beige, more silicified felsic. Clasts are angular to sub angular. Some clasts may be greater than 10 cm in diameter but are cut by Ca-Cl veins and appear as many small, angular clasts. At 12.90 m, have fault offsetting unit (with clasts). Fault is at ~15o c.a. Lower contact cut by 10 cm calcite-quartz-chlorite vein.

Alteration

12.2	17.1	CHL3	CAL2	SER1	SIL2

Si per and in veins. Strong Ca, Cl, and Si alteration in veins from 14.12 m to 15.12 m. Sericitization of clasts and in vein selvages.

Mineralization

12.2	21.6	0.1-0.5% py in small clots within veins and matrix of more clastic portions. 0.1% po in matrix. Trace sulphides in sandier, less clastic sections.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441642	12.24	14.00	1.76	0.013		0.19		4.2	0.013	
H441643	14.00	15.50	1.50	0.009		0.14		5	0.009	
H441644	15.50	17.09	1.59	0.004		0.09		3.7	0.004	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
17.09	26.73			3	Sediment

Intermediate to mafic sediment, fine grained sandstone. Rare sub angular to rounded quartz grains (~1 mm or less). At 20.93 m, immediately adjacent to 15 cm calcite vein, grades into 10 cm of more felsic, sericitized sediment with abundant round quartz eyes.

Alteration

17.1	21.6	CHL2	CAL1	SER2	SIL2

Calcite veining through more clastic sections. Ca veins rimmed with Cl and Se (possibly alteration of Cl). Qtz veins and also weak per Si.

21.6	26.7	CHL1	CAL1		SIL1

Cl is weak but per, and also along edges of veins of either Si or Cl.

Mineralization

21.6	26.7	Trace py and po, often in veins.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441646	17.09	18.59	1.50	0.002		0.08		1.2	0.002	
H441647	18.59	20.18	1.59	0.012		0.12		2.5	0.012	
H441648	20.18	21.68	1.50	0.023		0.16		9.1	0.023	
H441649	21.68	23.18	1.50	0.003		0.04		2.3	0.003	
H441650	23.18	25.10	1.92	0.001		0.02		2	0.001	
H441651	25.10	26.73	1.63	0.016		0.1		3.3	0.016	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
26.73	32.90			3	Sediment

Clastic facies. Polymictic with fine to medium grained intermediate(?) matrix. Difficult to see composition of matrix due to almost pervasive calcite within it. Matrix supported. Matrix has occasional round quartz eyes within it, most ~1 mm. Dominant clast type is light grey to light brown aphanitic, likely felsic. Also darker brown clasts that may be more mafic in composition. Abundant veins, mostly calcite, give local pseudoclastic texture and is difficult to estimate exact clast-matrix ratio. Clasts are angular to sub angular but may only appear this way because they are heavily sheared in direction of foliation. From 28.10 m to 29.35 m, have minor interval of intermediate(?) composition fine grained sandstone. Light green grey and is gradational with clastic unit.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441652	26.73	28.10	1.37	0.12		0.16		20.2	0.12	
H441654	28.10	29.35	1.25	0.021		0.19		8.6	0.021	
H441655	29.35	31.00	1.65	0.048		0.11		10.7	0.048	
H441656	31.00	32.90	1.90	0.043		0.17		7.3	0.043	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm

Alteration

26.7	28.1		CHL2	CAL2	SIL1

Ca in matrix and also in veins. Cl also within matrix, altering mafic minerals?

28.1	29.4		CHL1	SER1	SIL1

Cl and Si veinlets. Often altered to mostly qtz and se.

29.4	32.9		CHL2	CAL2	SIL2

Similar to 26.73 to 28.10 m, but with more qtz veining.

Mineralization

26.7	28.1	1-3% pyrite disseminated and in clots within matrix. Clots oriented along foliation. Also finely dis py replacing some clasts.
28.1	29.4	Trace pyrite within qtz-cl veins.
29.4	32.9	1-2% pyrite in clots within matrix and aligned with foliation.

32.90 — 35.95 **3 Sediment**

Intermediate to mafic sandstone. Fine to medium grained. More mafic minerals altering to chlorite. Sharp upper contact with calcite vein at contact. Also sharp lower contact.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441657	32.90	34.40	1.50	0.006		0.2		3.6	0.006	
H441658	34.40	35.95	1.55	0.012		0.14		3.7	0.012	

Alteration

32.9	36.0		CHL1	CAL1	SIL1

Cl is weak but per, and also along edges of veins of either Si or Cl.

Mineralization

32.9	36.0	0.1% py in clots. Also in veins with Cl.

35.95 — 46.05 **3 Sediment**

Clastic facies. Polymictic with fine grained intermediate to mafic(?) matrix (strong chlorite alteration in matrix may be alteration of mafic minerals). Grades into more aphanitic, clast poor facies and then back into clastic. Clastic facies is matrix supported and clast poor. Clasts are sub angular. Dominant clast type is brown aphanitic with darker brown selvages. Also beige clasts (of qtz-fsp composition?) and grey (mafic?) clasts. Locally, irregularly shaped clasts(?) with yellowish colour and brown selvages. Rare clast replacement by dis pyrite. ~1 mm rounded quartz grains although these may be within clasts and not the matrix.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441659	35.95	37.45	1.50	0.02		0.4		4.9	0.02	
H441661	37.45	39.00	1.55	0.026		0.19		6.4	0.026	
H441662	39.00	40.50	1.50	0.002		0.05		1.1	0.002	
H441663	40.50	42.00	1.50	0.005		0.09		2.2	0.005	
H441664	42.00	43.50	1.50	0.006		0.11		3.6	0.006	
H441665	43.50	45.00	1.50	0.036		0.23		5.2	0.036	
H441666	45.00	46.05	1.05	0.025		0.41		5.7	0.025	

Alteration

36.0	44.4	BIO2	CHL1	CAL2		SIL2

Per si, but also occasionally in veins with Ca and Cl. Patchy bi may be alteration on clasts.

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
	44.4	46.1	CHL2	CAL2	SIL1											
		More clastic interval, with calcite and chlorite in matrix and in veins.														
	Mineralization															
	36.0	44.4	0.1-1% pyrite disseminated in and around Ca-Cl veins. Very minor py in matrix of the sediments.													
	44.4	46.1	1-2% pyrite in clots and also finely disseminated through matrix.													
46.05	50.97		**3**	**Sediment**		H441668	46.05	48.05	2.00	0.01		0.35		3.2	0.01	
		Mafic sandstone. Fine to medium grained, coarsening toward end of interval. Grades into clastic facies similar to above in last 40 cm of interval. Chlorite alteration is pervasive, but "spotty" due to altering mafic minerals.				H441669	48.05	49.55	1.50	0.008		0.13		2.8	0.008	
						H441670	49.55	50.97	1.42	0.011		0.23		3.2	0.011	
	Alteration															
	46.1	51.0	CHL1	CAL1	SIL2											
		Pervasively silicified with Cl altering mafic minerals, giving interval patchy grey-green appearance. More intense alteration (but same minerals) in 40 cm clastic section at end of interval.														
	Mineralization															
	46.1	51.0	0.1-0.5% finely disseminated pyrite.													
50.97	59.11		**6**	**Mafic Dyke**		H441671	50.97	52.97	2.00	0.004		0.49		3.5	0.004	
		Biotite-rich intermediate-mafic intrusive. Biotite gabbro or diorite. Medium grained, grey in colour. Minor Cl alteration on biotite or mafics(?) and much interstitial Ca alteration. Fairly fractured - blockier than surrounding units.				H441672	52.97	54.97	2.00	0.006		0.45		2.8	0.006	
						H441674	54.97	57.00	2.03	0.003		0.46		3.2	0.003	
						H441675	57.00	59.11	2.11	0.013		0.97		4.1	0.013	
	Alteration															
	51.0	59.1	CHL1	CAL3												
		Pervasive calcite, flooded. Chlorite alteration on more mafic minerals.														
	Mineralization															
	51.0	59.1	0.1-0.5% disseminated pyrite within Ca altered intermediate intrusive.													
59.11	61.68		**3**	**Sediment**		H441676	59.11	61.11	2.00	0.014		0.36		2.4	0.014	
		Clastic facies. Polymictic with fine grained mafic matrix. Matrix is highly chloritized and green in colour. Matrix supported. Dominant clast type is grey aphanitic (mafic?) but felsic intrusive(?) and other light coloured aphanitic are also common. Clasts are sub angular with occasional felsic(?) ones irregular in shape. Patches of pyrite may be partial replacement of clasts. Sharp lower contact with mafic sandstone.				H441677	61.11	63.11	2.00	0.017		0.13		1.3	0.017	
	Alteration															
	59.1	61.7	CHL3	CAL2	SER1											

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
		Pervasive chlorite in matrix (matrix likely of mafic composition). Sericite altering some felsic clasts and occurring in calcite vein selvages.														
		Mineralization														
	59.1	61.7	0.1-0.5% pyrite disseminated in matrix.													
61.68	64.38		**3**	**Sediment**		H441678	63.11	64.38	1.27	0.026		0.24		0.8	0.026	
		Sandstone. Fine grained mafic in composition. Very similar in composition to fine grained portion of gabbro interval and is difficult to find contact. Contact determined by increased magnetic susceptibility.														
		Alteration														
	61.7	63.7	BIO3	CHL1	SIL1											
		Patchy biotite. Chlorite alteration (veins) cutting these patches?														
	63.7	68.4		CHL1	CAL1 SIL1											
		Pervasive chlorite. Planar and anastomosing Ca veins. Slightly more Ca veins in locally clastic section.														
		Mineralization														
	61.7	64.7	0.5% pyrrhotite in clots within Ca-Cl (+/- qtz) veins. 0.1% pyrite in clots within veins.													
64.38	96.65		**4**	**Gabbro**		H441679	64.38	66.38	2.00	0.008		0.18		0.7	0.008	
		Gabbro(?). Fine grained at start of interval and becomes gradually coarser toward end. Almost aphanitic at start of interval - intrusive texture is apparent @ ~74 m. 1-2 mm interlocking grains (pyroxene and feldspar?) with weak-mod chlorite alteration. If this is gabbro, there are 1-2 cm rounded xenoliths of QFP toward end of interval. If this is a clastic unit, there are clasts of QFP and broken quartz grains.				H441681	66.38	68.38	2.00	0.012		0.16		1.4	0.012	
		Alteration				H441682	68.38	70.38	2.00	0.006		0.2		1.8	0.006	
	68.4	70.3	BIO1	CHL1	CAL2 SIL1	H441683	70.38	72.38	2.00	0.028		0.31		1.6	0.028	
		Abundant calcite veins, both planar and anastomosing. Minor patchy biotite. Cl is per and along rims of Ca veins. Py and po occur within veins but not confined to them.				H441684	72.38	74.00	1.62	0.015		0.25		2.3	0.015	
	70.3	96.7		CHL2	CAL1	H441685	74.00	76.00	2.00	0.032		0.16		1.4	0.032	
		Chlorite altering pyroxene grains. Occasional calcite veins, most are planar.				H441686	76.00	78.00	2.00	0.015		0.22		1.4	0.015	
		Mineralization				H441688	78.00	80.00	2.00	0.018		0.25		1.7	0.018	
	64.7	96.7	0.5% pyrrhotite in clots and patches. 0.1% pyrite in clots. Clots do no show any alignment. Sulphides also dis in veins.			H441689	80.00	82.00	2.00	0.021		0.25		2	0.021	
						H441690	82.00	84.00	2.00	0.014		0.21		1.5	0.014	
						H441691	84.00	86.00	2.00	0.017		0.2		1	0.017	
						H441692	86.00	88.00	2.00	0.02		0.17		1.3	0.02	
						H441694	88.00	90.00	2.00	0.031		0.23		3.2	0.031	
						H441695	90.00	92.00	2.00	0.021		0.27		1.9	0.021	
						H441696	92.00	94.00	2.00	0.019		0.26		1.9	0.019	
						H441697	94.00	96.65	2.65	0.016		0.27		2.6	0.016	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
96.65	122.95			3	**Sediment**

Clastic facies. Polymictic with fine grained mafic(?) matrix. Light purplish wash over unit, that is not as noticeable from 109-121 m, and then increases in intensity again (may be patchy bi?). Dominant clast type is beige to light brown felsic aphanitic, as well as QFP. Lesser amounts of grey or brown biotized clasts, possibly mafic? Clasts are sub angular. Locally, pseudoclastic texture with angular to sub angular dark brown clasts with calcite-altered matrix between them. Moderately strong foliation evident by alignment of clasts.

Alteration

96.7	121.3	BIO1	CHL1	CAL1	SER1	SIL1

Possibly weakly chloritized matrix, though difficult to tell - may just be colour of matrix. Slight Si and Ca in matrix. Felsic clasts are slightly sericitized. Several mafic clasts are replaced by bi (more biotitized clasts in last 2 m of interval). Light purplish colour. From 102.30 to 103.10 m, have slightly more intense Cl and Ca, perhaps because is more matrix rich in this part of the interval.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441698	96.65	98.65	2.00	0.004		0.07		2.1	0.004	
H441699	98.65	100.65	2.00	0.012		0.09		2.9	0.012	
H441701	100.65	102.65	2.00	0.014		0.19		2.6	0.014	
H441702	102.65	104.65	2.00	0.052		0.22		4.7	0.052	
H441703	104.65	106.00	1.35	0.026		0.15		4	0.026	
H441704	106.00	108.00	2.00	0.011		0.09		3.2	0.011	
H441705	108.00	110.00	2.00	0.026		0.24		4	0.026	
H441706	110.00	112.00	2.00	0.043		0.33		3.8	0.043	
H441707	112.00	114.00	2.00	0.062		0.32		4.1	0.062	
H441708	114.00	116.00	2.00	0.065		0.22		5.9	0.065	
H441710	116.00	118.00	2.00	0.076		0.26		4.4	0.076	
H441711	118.00	120.00	2.00	0.125		0.28		3.2	0.125	
H441712	120.00	121.26	1.26	0.087		0.37		3.4	0.087	
H441713	121.26	122.95	1.69	0.146		0.26		19.7	0.146	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
122.95	149.00			3	**Sediment**

Sandstone. Fine grained intermediate to mafic in composition. Felsic clastic interbeds from 126.17-126.70 m, 128.88-130.16 m, 131.76-132 m, and 133-134 m. These interbedded units are sericitized and contain grey, rounded clasts or crystals aligned with the foliation. Strong foliation and patchy alteration makes it difficult to identify clasts or other primary textures. Felsic portions more mineralized with pyrite. Hints of rare, dark grey or brown angular to sub angular clasts within the mafic sediments, but entire interval heavily and patchily or veined bi and cl altered, either eliminating most primary textures or creating pseudoclastic texture.

Alteration

127.7	134.1	BIO3	CHL1	CAL1	SER2	SIL2

Almost pervasive patchy biotite with minor chlorite within the patches. Se alteration on the felsic portions of the interval. Occ quartz within veins and weak per Si.

134.1	143.1	BIO3	CHL3	CAL1		SIL1

Patchy biotite and chlorite. Bi replacing clasts locally where there are clasts. Minor per Si and planar Ca veins.

143.1	146.5	BIO4	CHL3	CAL1		

Biotite in intense patches and foliated so it appears banded in places. Chlorite also in patches but also along rims of calcite veins. These veins contains clots or dis py.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441715	122.95	125.00	2.05	0.01		0.15		6.2	0.01	
H441716	125.00	127.00	2.00	0.023		0.18		9.9	0.023	
H441717	127.00	128.88	1.88	0.011		0.12		5.8	0.011	
H441718	128.88	130.16	1.28	0.033		0.18		16	0.033	
H441719	130.16	132.00	1.84	0.008		0.04		7.9	0.008	
H441720	132.00	133.00	1.00	0.005		0.12		6.5	0.005	
H441721	133.00	134.06	1.06	0.023		0.19		21.6	0.023	
H441723	134.06	136.00	1.94	0.006		0.17		4.5	0.006	
H441724	136.00	138.00	2.00	0.004		0.12		3	0.004	
H441725	138.00	139.14	1.14	0.003		0.07		2.4	0.003	
H441726	139.14	140.50	1.36	0.003		0.11		6.1	0.003	
H441727	140.50	141.57	1.07	0.008		0.5		9.8	0.008	
H441728	141.57	143.00	1.43	0.021		0.28		9.4	0.021	
H441730	143.00	144.00	1.00	0.401		1.7		109.5	0.401	
H441731	144.00	145.00	1.00	0.181		1.44		121.5	0.181	
H441732	145.00	146.00	1.00	0.049		0.96		27.2	0.049	
H441733	146.00	147.00	1.00	0.052		0.74		18.8	0.052	
H441734	147.00	148.00	1.00	0.101		0.59		11.7	0.101	
H441736	148.00	149.00	1.00	1.335		0.97		7.2	1.335	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
149.00	238.90			4	**Gabbro**

Gabbro. Medium to coarse grained, green-grey in colour. Light purplish wash where there is patchy biotite alteration? Intrusive, interlocking texture (feldspar and mafic mineral) evident locally, although much is probably hidden by the heavy alteration. Due to this, and similar composition to the overlying sediments, difficult to locate contact. Contact based on increased magnetic susceptibility, loss of definite clastic texture, and first appearance of possible coherent texture. High magnetic susceptibility and locally have medium grained metallic grey subhedral crystals of magnetite. Likely finer grained magnetite throughout, as crystals are not always visible. Rubble from 215.56 to 216 m - fault. Possible xenolith @ 216.84 m where the coherent texture changes to clastic (78 cm across). However this isn't clearly defined as a xenolith due to the matrix of the clastic having a similar composition to the gabbro.

Alteration

149.0	152.8		CHL4	CAL1		SIL1

Intense chlorite alteration in mafic grains. Calcite veins are mostly planar and rimmed with chlorite. ~20% disseminated, subhedral magnetite crystals.

152.8	162.5	BIOt	CHL3	CAL1		SIL1

Similar to 149.00-152.80 m interval, but chlorite is less pervasive. Light purplish wash begins (perhaps associated with biotite?)

162.5	192.7	BIO1	CHL2	CAL1		SIL1

Chlorite is patchy. Light purplish colour is almost pervasive and can see brown crystals (biotite) within many of the patches.

192.7	208.3		CHL4	CAL1		SIL1

Intense patchy chlorite alteration in mafic grains. Mostly planar calcite veins, with chlorite often occurring as wispy bands within the veins or around the edges.

208.3	209.8		CHL4	CAL2		SIL1

Intense, almost pervasive chlorite altering mafics. Calcite veins up to 3 cm (with Cl within them).

209.8	238.8		CHL4	CAL1		SIL1

Intense patchy chlorite alteration in mafic grains. Mostly planar calcite veins, with chlorite often occurring as wispy bands within the veins or around the edges.

238.8	238.9	BIO2	CHL2	CAL1	SER2	SIL1

Contact between gabbro and clastic marked by mod intensity bi alteration.

Mineralization

149.0	159.8	0.1% pyrite in clots and 0.1% pyrrhotite in clots. Both sulphides also in veins with calcite and chlorite.
159.8	162.5	0.5-5% pyrite disseminated in patches and veins and heavily foliated bands (bands containing chlorite appear preferentially mineralized). 0.5-1% po occurring in patches with py although not found in the foliated bands.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441737	149.00	151.00	2.00	0.232		0.38		6.4	0.232	
H441738	151.00	152.99	1.99	0.023		0.24		6.9	0.023	
H441739	152.99	155.00	2.01	0.01		0.1		6.7	0.01	
H441740	155.00	157.00	2.00	0.026		0.31		35.9	0.026	
H441741	157.00	158.50	1.50	4.96		1.52		27.4	4.96	
H441743	158.50	159.84	1.34	0.119		0.33		19.4	0.119	
H441744	159.84	161.00	1.16	2.95		1.27		15.9	2.95	
H441745	161.00	162.53	1.53	0.069		0.42		15.4	0.069	
H441746	162.53	164.53	2.00	0.059		0.21		285	0.059	
H441747	164.53	166.53	2.00	0.054		0.18		72.9	0.054	
H441748	166.53	168.53	2.00	0.594		0.34		18.5	0.594	
H441750	168.53	170.00	1.47	0.041		0.12		12.1	0.041	
H441751	170.00	172.03	2.03	1.3		0.82		24.6	1.3	
H441752	172.03	174.00	1.97	2.6		1.32		48.7	2.6	
H441753	174.00	176.00	2.00	0.709		0.3		31.7	0.709	
H441754	176.00	178.02	2.02	1.415		0.62		18.4	1.415	
H441756	178.02	180.00	1.98	0.826		0.33		12.5	0.826	
H441757	180.00	182.00	2.00	0.45		0.42		19.1	0.45	
H441758	182.00	184.00	2.00	0.948		0.4		10.9	0.948	
H441759	184.00	186.00	2.00	0.564		0.56		9.4	0.564	
H441760	186.00	188.00	2.00	0.359		0.33		17.9	0.359	
H441761	188.00	190.00	2.00	0.12		0.5		11.9	0.12	
H441763	190.00	192.02	2.02	2.03		0.83		6	2.03	
H441764	192.02	194.00	1.98	0.481		0.34		4.5	0.481	
H441765	194.00	196.00	2.00	0.021		0.12		3.6	0.021	
H441766	196.00	198.00	2.00	0.016		0.2		3.8	0.016	
H441767	198.00	200.00	2.00	0.112		0.15		4.3	0.112	
H441768	200.00	202.00	2.00	0.264		0.24		3.9	0.264	
H441770	202.00	204.00	2.00	0.032		0.14		3.7	0.032	
H441771	204.00	206.00	2.00	0.061		0.19		4.1	0.061	
H441772	206.00	208.00	2.00	0.446		0.26		4.3	0.446	
H441773	208.00	209.00	1.00	0.968		0.82		7.6	0.968	
H441774	209.00	210.00	1.00	0.298		1.1		2.3	0.298	
H441776	210.00	212.00	2.00	0.357		0.38		6.5	0.357	
H441777	212.00	214.00	2.00	0.596		0.42		7.6	0.596	
H441778	214.00	216.00	2.00	0.092		0.26		5.4	0.092	
H441779	216.00	218.00	2.00	0.066		0.39		8.9	0.066	

From (m)	To (m)	Geological Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
		Formation Name *Litho Code* *Litho Description*											
162.5	171.3	0.1-0.5% pyrite and pyrrhotite mostly within veins with Cl (+/- qtz), occasionally in isolated clots.	H441780	218.00	220.00	2.00	0.272		0.47		25.4	0.272	
171.3	173.3	1-2% pyrite in clots and veins. 0.5-1% pyrrhotite disseminated and in veins with pyrite.	H441781	220.00	222.00	2.00	0.15		0.39		5.4	0.15	
173.3	182.1	0.1-0.5% pyrite in veins with Cl (+qtz or Ca). 0.1-0.5% pyrrhotite in clots.	H441783	222.00	224.00	2.00	0.245		0.55		5.8	0.245	
182.1	188.8	0.5-1% pyrrhotite in clots. Begin to see clots that are rounded or rectangular in shape - possible replacement of crystals by po? Also in veins with 0.1-0.5% pyrite stringers.	H441784	224.00	225.50	1.50	0.139		0.7		5.4	0.139	
			H441785	225.50	226.47	0.97	0.289		0.38		7.1	0.289	
188.8	208.0	0.1-0.5% pyrite in clots. 0.1-0.5% pyrrhotite in clots (occasionally these are slightly rounded and appear to have replaced something, or are replacing white-light grey phenocrysts or xenoliths).	H441786	226.47	227.44	0.97	4.18		0.97		11.3	4.18	
			H441787	227.44	229.00	1.56	0.302		0.37		4.5	0.302	
			H441788	229.00	231.00	2.00	0.133		0.18		5.1	0.133	
			H441790	231.00	233.00	2.00	0.042		0.29		6.1	0.042	
208.0	210.0	5% po in clots, 2% py in clots. Possible replacement of phenocrysts?	H441791	233.00	235.00	2.00	0.124		0.23		5.2	0.124	
210.0	222.8	0.1% po in clots, 0.1-1% py in clots.	H441792	235.00	237.00	2.00	0.053		0.14		2	0.053	
			H441793	237.00	238.90	1.90	0.026		0.15		2.6	0.026	
238.90	250.57	**3 Sediment**	H441794	238.90	240.55	1.65	0.119		0.4		4.3	0.119	
		Mafic clastic facies. Polymictic, clast poor with fine grained mafic matrix. Matrix supported. Clasts are angular to sub angular and dominant clast type is white to light grey felsic, possibly porphyritic. Several clasts are partially replaced by pyrrhotite and pyrite. Other clast types include brown-biotite altered and felsic(?) aphanitic. Upper contact with gabbro is approximate due to difficulty in distinguishing sediments from gabbro because of similar compositions and alteration. Sediments and gabbro may also be interfingering around contact area.	H441796	240.55	242.00	1.45	0.046		0.23		5.9	0.046	
			H441797	242.00	244.00	2.00	0.038		0.13		5.9	0.038	
			H441798	244.00	246.00	2.00	0.015		0.15		9.8	0.015	
			H441799	246.00	248.00	2.00	0.195		0.23		3.9	0.195	
			H441800	248.00	250.00	2.00	0.084		0.28		8.8	0.084	
			H441801	250.00	251.00	1.00	0.1		0.39		18.8	0.1	
		Alteration											
238.9	240.6	BIO2 CHL2 CAL1 SER2 SIL1											
		Contact between gabbro and clastic marked by mod intensity bi alteration. Also patchy Cl (alteration in matrix?) Se alteration on felsic clasts.											
240.6	245.1	BIO1 CHL4 CAL1 SIL1											
		Heavily chloritized matrix. Occ Ca veins within strong Cl alteration. Bi alteration of clasts.											
245.1	247.8	BIO3 CHL2 CAL1 SIL1											
		Purplish wash over entire interval (biotite or carbonate?) Cl in veins and matrix											
247.8	250.6	BIO2 CHL2 CAL1											
		Decreased intensity of purplish wash. Bi alteration of clasts and in patches in matrix? Cl in veins and matrix.											
		Mineralization											
238.9	240.6	Locally up to 10% py (first 40 cm of interval). Overall 0.5% po and 0.5 py in clots aligned with foliation.											
240.6	250.7	0.5% po and py in clots and occ replacement of clasts											

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description
250.57	265.66		2	**Felsic Volcanic**

Quartz +/- feldspar porphyritic volcaniclastic. Sub angular to rounded quartz grains, occasionally broken, ranging in size from less than 1 mm to 6 mm. Feldspar crystals are slightly rounded and up to 3 mm in size. Matrix is fine grained siliceous, with patchy alteration to sericite. Crystal-rich from 250.57-263 m. 263-265.66 m is crystal poor but has occasional quartz up to 2 mm. Both upper and lower contacts are gradational.

Alteration

250.6	256.7		CALt	SER3

Sericitization of fsp, rare Ca veinlets.

256.7	267.3	BIO1	CAL2	SIL1

Purplish wash. Patchy biotite and chlorite, likely alteration of matrix.

Mineralization

250.7	252.2	5-10% py finely dis within Bi-Cl patches, in clots within Cl veins
252.2	260.6	0.5% pyrite with trace po. Py mostly in Cl (+Ca) veins.
260.6	265.7	0.1% dis py.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441802	251.00	252.00	1.00	0.347		0.72		31.9	0.347	
H441803	252.00	253.00	1.00	0.129		0.4		15.7	0.129	
H441804	253.00	254.57	1.57	0.061		0.23		19.2	0.061	
H441805	254.57	256.00	1.43	0.03		0.25		9	0.03	
H441806	256.00	258.00	2.00	0.012		0.06		7.6	0.012	
H441808	258.00	260.00	2.00	0.008		0.07		7.4	0.008	
H441809	260.00	262.00	2.00	0.01		0.06		8.8	0.01	
H441810	262.00	264.00	2.00	0.007		0.06		7.1	0.007	
H441811	264.00	265.66	1.66	0.018		0.11		13.1	0.018	

265.66	284.87		3	**Sediment**	

Medium grained clastic. Medium grained mafic matrix. Matrix is altered to patchy chlorite and biotite. Clast poor with dominant clast type being felsic intrusive. Clasts are mainly sub angular. From 267.27-268 m, and from 257.77-~279.22 m, have interbedded aphanitic felsics or clasts(?) of ash-sized material that is strongly sericitized. Gabbro from 273.08-274.52 m that has unknown contact relationships. Gabbro has very similar alteration to clastic but has coarser coherent texture. Possible fault ~269.60 m with rubble.

Alteration

267.3	268.6		CHL1	CAL1	SER3

Sericitization of felsic aphanitic within clastic unit. Chlorite veins, some chlorite and calcite.

268.6	273.0	BIO3	CHL1	CAL1	SER1

Patchy biotite and purplish wash. Chlorite in small veins and patches within the biotite. Se along vein selvages (minor).

273.0	275.8	BIO2	CHL3	CAL1	

Similar alteration on gabbro and medium grained clastic. Patchy biotite and chlorite.

275.8	279.2		CHL2	CAL2	SER4

Intense alteration in felsic aphanitic. Patchy calcite. Chlorite mostly in veins, altering to sericite in places.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441813	265.66	267.27	1.61	0.019		0.24		5.8	0.019	
H441814	267.27	268.63	1.36	0.173		0.31		17.6	0.173	
H441815	268.63	269.85	1.22	0.177		0.19		5.6	0.177	
H441816	269.85	271.50	1.65	0.016		0.08		3.5	0.016	
H441817	271.50	273.03	1.53	0.005		0.06		2.5	0.005	
H441818	273.03	274.52	1.49	0.019		0.28		5.8	0.019	
H441819	274.52	275.77	1.25	0.082		0.53		14	0.082	
H441821	275.77	277.42	1.65	0.047		0.31		11.9	0.047	
H441822	277.42	279.00	1.58	0.067		0.46		11.8	0.067	
H441823	279.00	280.50	1.50	0.007		0.09		2.7	0.007	
H441824	280.50	282.00	1.50	0.007		0.08		3.3	0.007	
H441825	282.00	283.50	1.50	0.003		0.05		2.2	0.003	
H441826	283.50	285.00	1.50	0.004		0.1		1.8	0.004	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
279.2	283.3	BIO3	CHL2	CAL1	SER3
		Strong patchy biotite (along foliation), cut(?) by Cl veins and patches. Chlorite often altered to sericite.			
283.3	284.9	BIO2	CHL3		SER1
		Less patchy biotite than interval above - appears to be mostly alteration of clasts. Chloritized matrix. Se alteration of felsic clasts.			

Mineralization

265.7	274.1	0.1% dis py occ within Ca-Cl veins.
274.1	275.8	5-10% py in clots assoc with Cl in strongly foli section.
275.8	279.5	0.5-1% py in veins with Cl.
279.5	284.9	Trace to 0.1% py and po clots.

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
284.87	302.38	**3**	**Sediment**		

Fine grained clastic facies. Fine grained mafic matrix of chloritized silty to fine grained sand-sized material. Clast poor. Rare sub angular to sub rounded clasts. One observed is biotite altered and another felsic (possibly QFP). Fairly homogenous, lacks intense patchy alteration of interval above. Gradational upper contact defined by change in alteration and gradational lower contact defined by appearance of quartz crystals.

Alteration

284.9	291.0	BIO1	CHL2	CAL1	
		Pervasive mod chlorite with occ biotite patches. Calcite veins are planar.			
291.0	302.4		CHL2	CAL1	
		Pervasive mod chlorite. Planar Ca veins appear to cut Cl alteration.			

Mineralization

284.9	287.5	0.1-0.5% po and py, more po than py. Clots and in veinlets.
287.5	288.6	Po and py 5%, clots aligned with foliation.
288.6	289.9	0.1% py in small clots
289.9	291.0	1-5% py in clots assoc with Cl alteration.
291.0	301.6	0.1% py and po in clots
301.6	302.4	5-10% py clots and coarse grains aligned with foliation. Some look euhedral.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441828	285.00	287.50	2.50	0.019		0.14		3.1	0.019	
H441829	287.50	288.62	1.12	0.01		0.28		5.1	0.01	
H441830	288.62	289.86	1.24	0.009		0.16		4.7	0.009	
H441831	289.86	291.02	1.16	0.031		0.21		6.8	0.031	
H441832	291.02	293.00	1.98	0.051		0.13		4.8	0.051	
H441834	293.00	295.00	2.00	0.03		0.07		4.4	0.03	
H441835	295.00	297.00	2.00	0.042		0.14		5.1	0.042	
H441836	297.00	299.00	2.00	0.017		0.11		6.4	0.017	
H441837	299.00	301.00	2.00	0.023		0.18		2.3	0.023	
H441838	301.00	302.38	1.38	0.086		0.52		17.5	0.086	

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description
302.38	308.00		2	**Felsic Volcanic**

Quartz feldspar porphyritic volcaniclastic. Crystal-rich. Angular to rounded quartz grains, many are broken. They range in size from less than 1 mm to ~12 mm. The feldspar grains are also quite rounded and up to 4 mm. Rare clasts of similar composition to matrix. Matrix is ash-sized siliceous material and altered in patches to sericite.

Alteration

302.4	308.0	CALt	SER2

Sericite alteration of feldspar and along veinlets. Rare Ca veins.

Mineralization

302.4	308.0	Trace pyrite.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441839	302.38	304.00	1.62	0.043		0.09		10.3	0.043	
H441841	304.00	306.00	2.00	0.149		0.28		8.6	0.149	
H441842	306.00	308.00	2.00	0.18		0.11		16.8	0.18	

Hole_ID	TC08-11	**Hole Type**	Core	**Purpose/Comments:**	
Project	Thundercloud	**Survey Type**	Reflex		
X	534130	**Hole Diameter**	NQ	This is a step out hole from TC08-09 in the Pelham 3 zone. It was collared at the north end of trench 11b and is approximately 110m west of TC08-09 and tests the west side of the Pelham 3 zone, it targets the e-w chargeability anomaly and the continuation of mineralization found in TC08-9 and 10. This hole is dilled below several old pits in the south Pelham area which have 2008 Teck grab samples with anomalous gold ranging from 0.1-0.4g/t Au	
Y	5471378	**Drill Operator**	Morris Drilling		
z	451	**Drill Rig**	#1		
Azimuth	200	**Grid East**			
Dip	-60	**Grid North**			
Total Length	251.0	**Start Date**	10/14/2008		
Location		**End Date**	10/18/2008		
Grid		**Logged by**	L. Tam, A. Shannon		
Claim		**Date Logged**	10/21/2008		
NTS Mapsheet	052F07	**Sampled by**	L. Tam		

Survey Data:

Depth	*Azimuth*	*Dip*
14.0	205.2	-49.4
62.0	209.5	-49.4
122.0	208.1	-49.3
182.0	208.1	-49.1
242.0	208.1	-49.0

Teck

From (m)	*To (m)*	*Geological Description*	*Formation Name*	*Litho Code*	*Litho Description*
3.68	34.13		**3**		**Sediment**

Clastic. Polymictic. Grey mafic(?) fine grained matrix. Matrix supported. Clast-rich from 3.68 to 8 m (~40% clasts) and more clast poor below. Possible peperitic texture @ 15 m. Clasts are mainly sub angular with dominant clast type white to light yellow or brown sericite altered felsic aphanitic. Others include felsic porphyritic and dark brown or grey (biotite altered). Grades into feldspar crystal rich sediment with fine grained matrix @ 22.05 m until 28. 44 m, but occasional feldspars are seen starting ~13 m. Feldspars are rounded, occasionally tabular and up to 3 mm in size in a fine grained matrix. This section of the interval is clast poor. Below 28.44 m, grades back into polymictic clastic with a fine to medium grained (mafic?) matrix. Dominant clast type is either dark grey aphanitic or quartz feldspar porphyry.

Alteration

3.7	10.7	BIO1	CHL1	CAL1

Slightly chloritized matrix, patchy Bi on clasts, occasional planar calcite veins.

10.7	28.4	BIO1	CAL1	SER1

Bi alteration of some clasts. Planar calcite veins, some with sericite in selvages. Also sericitization of felsic clasts.

Field No	*FROM*	*TO*	*INT. (m)*	*Au ICP ppm*	*Au Assay ppm*	*Ag ICP ppm*	*Ag Assay ppm*	*As ICP ppm*	*Au Plot ppm*	*As Plot ppm*
H441843	3.68	5.68	2.00	0.014		0.14		4.1	0.014	
H441844	5.68	7.68	2.00	0.01		0.11		6.5	0.01	
H441845	7.68	9.68	2.00	0.012		0.1		3.7	0.012	
H441846	9.68	11.68	2.00	0.01		0.1		2.6	0.01	
H441848	11.68	13.68	2.00	0.009		0.12		3.6	0.009	
H441849	13.68	15.68	2.00	0.007		0.11		2.1	0.007	
H441850	15.68	17.68	2.00	0.009		0.11		1.9	0.009	
H441851	17.68	19.68	2.00	0.01		0.14		2	0.01	
H441852	19.68	21.00	1.32	0.008		0.11		1.7	0.008	
H441854	21.00	22.05	1.05	0.004		0.09		2.6	0.004	
H441855	22.05	24.05	2.00	0.002		0.07		1.5	0.002	
H441856	24.05	26.05	2.00	0.002		0.06		0.7	0.002	
H441857	26.05	28.44	2.39	0.007		0.08		1.5	0.007	
H441858	28.44	30.44	2.00	0.02		0.15		2.8	0.02	
H441859	30.44	32.44	2.00	0.023		0.18		2.8	0.023	
H441861	32.44	34.13	1.69	0.04		0.19		3.1	0.04	

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description
34.13	56.44		3	**Sediment**

Fine grained sediment. Grey to purplish-grey fine grained sandstone to silty sandstone. Interbedded clastic intervals from 37.01 to 41.47 m, 47.06 to 47.38 m, and 49.85 to 50.99 m. These clastic intervals are similar in composition to the lithology interval 3.68-34.13 m. They are polymictic and dominated by QFP clasts (sub angular) within a fine grained (mafic?) matrix. The fine grained sediments are fairly homogenous and cut by planar calcite veins. Sharp contact with the above clastic unit cuts through clasts.

Alteration

34.1	37.0	BIO1		CAL1	
		patchy Bi, planar calcite veinlets			
37.0	41.5	BIO1		CAL1	
		Bi 1-2 within clasts. Planar Ca veins.			
41.5	49.9		CHL1	CAL1	
		pervasive weak chlorite and around edges of some planar Ca veins.			
49.9	51.0	BIO1		CAL1	
		Biotite in clasts and purplish patches. Planar calcite veins.			
51.0	54.4	BIO1	CHL2	CAL1	
		Interval of abundant calcite veins, cutting irregular chlorite veins and patches(?), light purplish wash with biotite in patches.			
54.4	56.4	BIO2	CHL1	CAL1	SIL1
		Light purplish wash almost pervasive and can see patchy biotite within the purple. Slight patchy chlorite. Planar calcite veins and minor qtz-calcite veins.			

Mineralization

34.1	37.0	Trace dis py
37.0	41.5	0.1% dis py in matrix and some mafic clasts.
41.5	56.4	0.1-0.5% py in clots, some slightly strained.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441862	34.13	36.19	2.06	0.006		0.07		1.5	0.006	
H441863	36.19	38.19	2.00	0.027		0.13		3.6	0.027	
H441864	38.19	40.00	1.81	0.033		0.14		2.8	0.033	
H441865	40.00	41.47	1.47	0.055		0.13		5.2	0.055	
H441866	41.47	43.47	2.00	0.027		0.16		3.7	0.027	
H441868	43.47	45.47	2.00	0.021		0.14		4.4	0.021	
H441869	45.47	47.47	2.00	0.013		0.13		3.4	0.013	
H441870	47.47	49.47	2.00	0.008		0.13		3.8	0.008	
H441871	49.47	51.47	2.00	0.013		0.16		2.9	0.013	
H441872	51.47	53.51	2.04	0.02		0.2		4.2	0.02	
H441874	53.51	55.03	1.52	0.019		0.19		3.4	0.019	
H441875	55.03	56.44	1.41	0.015		0.15		4.2	0.015	

56.44	96.74		3	**Sediment**	

Clastic facies. Coarser clasts from 56.44 to ~63 m. Fine clasts from 64.35 to 96.74 m. Polymictic. Dominant clasts are light beige or brown felsic aphanitic. Also QFP and mafic(?) clasts. Matrix supported with fine grained intermediate to mafic, slightly chloritized matrix. Occasional quartz grains up to 2 mm within matrix. Clasts are sub angular and strained along foliation. Grades into finer clastic. Finer clastic is clast poor with fine grained intermediate to mafic matrix. Also polymictic with sub angular to sub rounded clasts ranging from dark coloured possible mafic to QFP and fine grained felsic. Shear zone(?) @ 70.75 m through light brown aphanitic. Within it, felsic clasts are slightly sericitized and more mafics altering to biotite? Moderate to strong foliation. Most

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441876	56.44	58.44	2.00	0.036		0.18		12.9	0.036	
H441877	58.44	60.44	2.00	0.052		0.18		8.7	0.052	
H441878	60.44	62.44	2.00	0.035		0.22		17.2	0.035	
H441879	62.44	64.44	2.00	0.185		0.49		12.9	0.185	
H441881	64.44	66.44	2.00	4.63		2.01		20.6	4.63	
H441882	66.44	68.44	2.00	0.286		0.52		17.6	0.286	
H441883	68.44	70.44	2.00	0.09		0.23		16.1	0.09	
H441884	70.44	72.44	2.00	0.107		0.3		24.2	0.107	
H441885	72.44	74.00	1.56	0.092		0.34		13.2	0.092	

From (m)	To (m)	Geological Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
		mineralization is along foliation within veins, minor amount in matrix (rare clasts are partially mineralized).	H441886	74.00	75.01	1.01	0.614		0.96		20.4	0.614	
		Alteration	H441888	75.01	76.00	0.99	37.5	37.5	7.45		29.1	37.5	
		56.4 64.4 BIO1 CHL2 CAL1	H441889	76.00	77.00	1.00	8.92	8.92	2.41		18.2	8.92	
		Locally Cl3 within matrix of clastic. Biotite in patches. Chlorite in planar veins.	H441890	77.00	78.00	1.00	0.303		1.12		22.6	0.303	
		64.4 71.0 BIO1 CHL1 CAL1 SER1	H441891	78.00	79.02	1.02	0.312		1.63		55.5	0.312	
		Patchy biotite. Sericite within felsic clasts. Chlorite along edges of calcite veins.	H441892	79.02	80.00	0.98	0.738		2.51		36.2	0.738	
		71.0 79.7 BIO2 CHL1 CAL1 SER1	H441894	80.00	81.02	1.02	1.18		2.07		35.6	1.18	
		Similar to 64.35 to 71.00 m, but have more intense patchy biotite.	H441895	81.02	82.00	0.98	1.465		1.32		79.9	1.465	
		79.7 82.7 BIO2 CHL2 CAL2	H441896	82.00	83.00	1.00	13.6	13.6	2.69		46.8	13.6	
		Irregularly shaped calcite veins lined with chlorite and with patchy chlorite within. Patchy biotite within light purplish wash.	H441897	83.00	84.35	1.35	7.62		2.59		72.6	7.62	
		82.7 84.8 BIO2 CHL2 CAL1	H441898	84.35	85.35	1.00	2.72		1.14		44.3	2.72	
		Biotite patchy. Chlorite 2 around calcite veins and minor in matrix.	H441899	85.35	86.35	1.00	2.07		4.15		36.4	2.07	
		84.8 87.5 BIO1 CHL1 CAL1 SIL1	H441901	86.35	87.52	1.17	2.58		1.28		43.3	2.58	
		Chlorite around veins and in matrix. Calcite and quartz veins.	H441902	87.52	88.52	1.00	0.596		0.73		48.3	0.596	
		87.5 92.9 BIO2 CHL1 CAL1	H441903	88.52	89.52	1.00	3.06		1.77		68.5	3.06	
		Patchy biotite. Chlorite around and slightly within calcite veins.	H441904	89.52	90.52	1.00	4.37		2.46		56	4.37	
			H441905	90.52	91.70	1.18	1.27		1.42		70.8	1.27	
			H441906	91.70	92.89	1.19	2.1		1.59		67.5	2.1	
			H441907	92.89	93.89	1.00	1.1		0.91		71	1.1	
			H441909	93.89	94.89	1.00	1.65		1.89		117	1.65	
			H441910	94.89	95.89	1.00	2.13		2.36		118	2.13	
			H441911	95.89	96.74	0.85	2.22		1.63		89.4	2.22	
96.74	100.61	**3 Sediment**	H441912	96.74	98.74	2.00	0.352		0.79		118	0.352	
		Fine grained magnetic sediment. Medium grey homogenous with disseminated grey metallic crystals (subhedral magnetite). High magnetic susceptibility. Contact relationships (upper and lower) are unknown and appear gradational. May be gabbro, but does not have definite intrusive texture - cannot see interlocking grains.	H441914	98.74	100.61	1.87	0.463		0.48		61.2	0.463	
		Alteration											
		96.7 100.6 CHL1 CAL1											
		Minor pervasive chlorite. Several planar calcite veins.											
		Mineralization											
		96.7 100.6 Trace disseminated py and up to 1% associated with chlorite around calcite veins.											

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
100.61	148.90	**4 Gabbro**			

Gabbro. Fine to coarse grained with locally visible interlocking crystals. Mafic minerals are weakly to moderately chloritized. Euhedral pyroxene up to 4 mm. Locally clastic or pseudoclastic, but with no known contact relationships. May be xenoliths. Pseudoclastic often due to veins or patchy alteration. Massive texture. Possible xenolith from 119.96 to 120.59 m with known contacts.

Alteration

100.6	104.0	BIO1	CHL3	CAL2	
		Calcite veins. Pervasive chlorite, more intense along edges of veins. Local patchy biotite around Cl patches.			
104.0	126.6		CHL1	CAL1	SER1
		Sericite after chlorite or feldspar.			
126.6	148.9	BIO1	CHL1	CAL1	
		Chlorite veins occasionally altering to Se. Locally patchy biotite.			

Mineralization

100.6	106.9	1-3% pyrite in strained clots concentrated along Cl-Ca veins.
106.9	109.7	15-20% coarse grained disseminated magnetite. 0.5-1% pyrite clots.
109.7	120.0	1-5% pyrite in clots with Cl and also in veins with Cl. 0.1% pyrrhotite. 10-30% coarse grained disseminated magnetite.
120.0	135.2	Trace to 0.1% pyrite in clots concentrated along veins. Trace pyrrhotite.
135.2	145.9	Trace to 0.1% disseminated pyrite.
145.9	148.9	0.5-1% disseminated pyrite and pyrrhotite.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441915	100.61	102.61	2.00	0.185		0.78		27	0.185	
H441916	102.61	104.00	1.39	0.107		0.67		16.2	0.107	
H441917	104.00	105.50	1.50	0.228		0.87		20.2	0.228	
H441918	105.50	106.87	1.37	0.143		0.74		12.9	0.143	
H441919	106.87	108.00	1.13	0.184		0.41		15	0.184	
H441920	108.00	109.67	1.67	0.042		0.3		12.1	0.042	
H441922	109.67	111.65	1.98	0.099		0.81		13.9	0.099	
H441923	111.65	113.65	2.00	0.071		0.71		9.4	0.071	
H441924	113.65	114.65	1.00	0.025		0.42		8.2	0.025	
H441925	114.65	115.65	1.00	0.086		0.51		8.9	0.086	
H441926	115.65	116.65	1.00	0.089		0.55		7.2	0.089	
H441927	116.65	117.65	1.00	0.056		0.67		8.3	0.056	
H441929	117.65	118.65	1.00	0.399		0.72		15.4	0.399	
H441930	118.65	119.96	1.31	4.91		0.68		5.7	4.91	
H441931	119.96	122.00	2.04	0.033		0.2		5.4	0.033	
H441932	122.00	124.00	2.00	0.2		0.36		9	0.2	
H441933	124.00	126.00	2.00	0.063		0.32		6.1	0.063	
H441935	126.00	128.00	2.00	0.138		0.25		4.7	0.138	
H441936	128.00	130.00	2.00	0.254		0.42		9.6	0.254	
H441937	130.00	132.00	2.00	0.017		0.17		4.4	0.017	
H441938	132.00	134.00	2.00	0.03		0.22		6	0.03	
H441939	134.00	136.00	2.00	0.015		0.15		4.1	0.015	
H441940	136.00	138.00	2.00	0.013		0.12		7.8	0.013	
H441942	138.00	140.00	2.00	0.014		0.15		24.4	0.014	
H441943	140.00	142.00	2.00	0.006		0.14		5.6	0.006	
H441944	142.00	144.00	2.00	0.01		0.15		4.8	0.01	
H441945	144.00	145.85	1.85	0.044		0.16		3.6	0.044	
H441946	145.85	147.00	1.15	0.061		0.24		4.3	0.061	
H441947	147.00	148.90	1.90	0.253		0.25		3.7	0.253	

148.90	157.86	**4b Coarse Grained - Gabbro**			

Coarse grained gabbro. Very coarse, euhedral, interlocking pyroxene and feldspar crystals up to 6mm (?). Medium grey with slight green colour due to chlorite alteration. Gradational from finer grained gabbro above and below.

Alteration

148.9	157.9		CHL1	CAL1
		Calcite veins.		

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441949	148.90	151.00	2.10	0.024		0.12		3.6	0.024	
H441950	151.00	153.00	2.00	0.079		0.18		5.7	0.079	
H441951	153.00	155.00	2.00	0.146		0.38		7.1	0.146	
H441952	155.00	156.50	1.50	0.042		0.22		4.4	0.042	
H441954	156.50	157.86	1.36	0.09		0.2		5.6	0.09	

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm

Mineralization

148.9	157.9	0.1-1% py and po. Locally 5% py over 20 cm - highly Cl vein(?)

157.86 — 171.62 | **4 Gabbro**

Gabbro. Medium to coarse grained gabbro. Grey-green colour due to chlorite alteration. Locally, can see euhedral crystals. Biotite altered interval from 161.93 to 163.92 m is strongly foliation and may be shear zone. Several xenoliths observed with coarse, interlocking grains (163.17 and 164.37 m). Possible clastic xenolith from 167.12 to 168.90 m with patchy biotite and chlorite alteration although contact relationships are not seen.

Alteration

157.9	161.9		CHL2	CAL1

Chlorite alteration of mafics. Planar calcite veins.

161.9	163.9	BIO2	CHL1	CAL1

Patchy biotite along strong foliation.

163.9	167.1		CHL1	CAL1

Background Cl alteration pervasive. Planar calcite veins.

167.1	168.9	BIO1	CHL1	CAL1

Patchy biotite alteration - could be clasts if this is clastic. Pervasive Cl and Ca in planar and anastomosing veins.

168.9	171.6		CHL1	CAL1

Same as 163.92 to 168.90 m.

Mineralization

157.9	161.9	0.1-2% pyrite disseminated and in clots. Clots mainly assoc with Cl.
161.9	163.9	0.5-5% pyrite in strained clots in highly strained, possible shear.
163.9	171.6	0.5% disseminated po and 0.1-0.5% disseminated pyrite and in clots assoc with Cl along veins.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441955	157.86	159.86	2.00	0.1		0.31		5.4	0.1	
H441956	159.86	161.93	2.07	0.106		0.35		3.4	0.106	
H441957	161.93	163.10	1.17	0.132		0.55		18.4	0.132	
H441958	163.10	163.92	0.82	0.059		0.32		7.3	0.059	
H441959	163.92	165.92	2.00	0.016		0.17		4.2	0.016	
H441961	165.92	167.12	1.20	0.042		0.14		5.6	0.042	
H441962	167.12	168.90	1.78	0.069		0.28		5.8	0.069	
H441963	168.90	170.00	1.10	0.046		0.13		3	0.046	
H441964	170.00	171.62	1.62	0.035		0.27		4.2	0.035	

171.62 — 178.94 | **4b Coarse Grained - Gabbro**

Coarse grained gabbro. Very coarse grained with euhedral interlocking pyroxene and feldspar crystals. Pyroxene up to 5 mm. Grey-green colour due to pervasive background chlorite alteration. Gradational upper contact with finer grained gabbro and sharp lower contact with possible fine grained sediment.

Alteration

171.6	178.9		CHL1	CAL1

Normal background Cl with planar calcite veins often with Cl along edges.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441965	171.62	173.62	2.00	0.053		0.18		3.4	0.053	
H441966	173.62	175.62	2.00	0.046		0.29		4	0.046	
H441968	175.62	177.62	2.00	0.085		0.3		4.8	0.085	
H441969	177.62	178.94	1.32	0.119		0.26		4.5	0.119	

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
		Mineralization													
	171.6 178.9	0.1% disseminated pyrite or clots of pyrrhotite.													
178.94	187.47	**3 Sediment**			H441970	178.94	181.00	2.06	0.013		0.11		4.6	0.013	
		Fine grained sandstone, possibly intermediate in composition? Fairly homogenous with pervasive brown-purple wash. Sharp upper and lower contacts with gabbro.			H441971	181.00	183.00	2.00	0.062		0.12		3.7	0.062	
					H441972	183.00	185.00	2.00	0.136		0.17		3.3	0.136	
		Alteration			H441974	185.00	187.47	2.47	0.167		0.22		3.7	0.167	
	178.9 187.5	BIO1 CHL1 CAL1 SER1													
		Pervasive purplish-brown wash with crystals of biotite(?) within it. Locally chalky Se? Occasional calcite and chlorite veinlets.													
		Mineralization													
	178.9 187.5	0.1% pyrite within veinlets associated with Cl.													
187.47	217.60	**4 Gabbro**			H441975	187.47	189.00	1.53	0.028		0.38		8.1	0.028	
		Gabbro. "Fine" to medium grained. Locally, can see coherent, interlocking grains although some portions of the interval appear clastic (~191.44 to 196.82 m). This could be fine grained mafic sediment within gabbro, although contact relationships are not seen. Grey to green colour (chlorite) with purple-brown where it appears more clastic. This clastic texture and alteration may have been caused by shearing since foliation is strong here and is not seen through the rest of the interval. Grades back into coarser gabbro with visible interlocking crystals @ ~210 m and returns to finer grained @ ~216 m until the end of the interval.			H441976	189.00	190.50	1.50	0.094		0.4		3.7	0.094	
					H441977	190.50	191.44	0.94	0.106		0.38		4.3	0.106	
					H441978	191.44	193.73	2.29	0.069		0.27		36.9	0.069	
					H441979	193.73	194.73	1.00	0.057		0.71		9.5	0.057	
					H441981	194.73	195.72	0.99	0.044		0.43		6.1	0.044	
					H441982	195.72	196.82	1.10	0.052		0.6		3.7	0.052	
					H441983	196.82	198.53	1.71	0.033		0.28		3.1	0.033	
		Alteration			H441984	198.53	200.00	1.47	0.011		0.25		2.5	0.011	
	187.5 190.4	CHL2 CAL1			H441985	200.00	202.00	2.00	0.02		0.23		2.9	0.02	
		Calcite veins appear to be cutting patchy chlorite alteration. Also lower intensity per Cl.			H441986	202.00	204.00	2.00	0.028		0.24		2.7	0.028	
	190.4 191.4	CHL1 CAL1			H441988	204.00	206.00	2.00	0.027		0.2		3.9	0.027	
					H441989	206.00	208.00	2.00	0.028		0.21		5.2	0.028	
					H441990	208.00	210.00	2.00	0.012		0.17		3.3	0.012	
	191.4 196.8	BIO2 CHL2 CAL1 SER1			H441991	210.00	211.97	1.97	0.015		0.15		2.5	0.015	
		Patchy bands of biotite along foliation. Cl veins occasionally with Ca. Se? - chalky, perhaps after Cl?			H441992	211.97	212.93	0.96	0.047		0.17		3.5	0.047	
					H441994	212.93	215.00	2.07	0.027		0.21		1.4	0.027	
	196.8 198.5	CHLt CAL1			H441995	215.00	216.50	1.50	0.083		0.29		4.2	0.083	
					H441996	216.50	217.60	1.10	0.01		0.16		3.2	0.01	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
217.60	222.37			3	**Sediment**

Fine grained sandstone, possibly intermediate in composition. Light grey colour. Homogenous, clast poor. Rare clasts seen are possibly QFP. Sharp contact with gabbro, but contact may be wavy, as find intrusive texture @ ~217.75 m.

Alteration

217.6	222.4	CAL1	SIL1	

weak pervasive Si and occasional quartz-Ca and Ca veins.

Mineralization

217.6	222.4	0.5-1% py in clots and within veins.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H441997	217.60	219.00	1.40	0.038		0.11		4.2	0.038	
H441998	219.00	221.00	2.00	0.053		0.1		4.5	0.053	
H441999	221.00	222.37	1.37	0.111		0.15		7.3	0.111	

222.37	240.55			3	**Sediment**	

Siltstone to fine grained sandstone. Intermediate to mafic composition? Medium to dark grey. Clast poor. Clasts are sub angular to rounded and the most easily identified ones appear intrusive and feldspar-rich. Gradational upper and lower contacts with the sediments.

Alteration

222.4	225.5	CHL1	CAL1	SER1	SIL2	Ept

Pervasive Si and also in veins. Cl often with Ca in veins, altered to Se. Trace epidote crystals in vein.

225.5	230.0	CHL3	CAL2	SIL1

Cl patchy and around and within veins. Po and py assoc with Cl. Si 1 per.

230.0	240.6	CHL2	CAL1	SIL1

Cl in veins and large patches. Calcite veins.

Mineralization

222.4	225.5	0.1% py and po clots.
225.5	231.8	0.1-2% py and po within veins (Cl and often Ca, but sulphides are only assoc with Cl)
231.8	240.6	0.1-0.5% py and po in clots - po often seen around py crystals - replacing

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134101	222.37	224.00	1.63	0.014		0.23		2.6	0.014	
G134102	224.00	225.53	1.53	0.018		0.27		6.2	0.018	
G134103	225.53	226.60	1.07	0.074		0.45		6.3	0.074	
G134104	226.60	228.60	2.00	0.16		0.5		8	0.16	
G134105	228.60	230.00	1.40	0.002		0.3		4	0.002	
G134106	230.00	231.76	1.76	0.063		0.55		5.6	0.063	
G134108	231.76	233.76	2.00	0.029		0.34		3	0.029	
G134109	233.76	235.76	2.00	0.063		0.36		2.3	0.063	
G134110	235.76	237.76	2.00	0.033		0.29		4.2	0.033	
G134111	237.76	239.00	1.24	0.021		0.29		2.9	0.021	
G134113	239.00	240.55	1.55	0.073		0.21		4.6	0.073	

240.55	247.90			3	**Sediment**	

Feldspar crystal-rich clastic. Fine grained intermediate(?) in composition. Brown-grey colour. Rounded to tabular feldspar grains up to 1 mm. Hints of clasts near 247.90 m that look felsic aphanitic. Gradational from above sediments and grades into similar sediments lacking feldspar crystals @ 247.90 m.

Alteration

240.6	247.9	CHL1	CAL1	SIL1

Cl and Ca in occasional veins which contain the pyrite in this interval.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134114	240.55	242.55	2.00	0.024		0.13		4.6	0.024	
G134115	242.55	244.57	2.02	0.019		0.1		5.3	0.019	
G134116	244.57	246.50	1.93	0.019		0.11		6.9	0.019	
G134117	246.50	247.90	1.40	0.02		0.12		13.2	0.02	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm

Mineralization

240.6 251.0 0.1% py in veins assoc with Cl.

247.90 251.00 **3** **Sediment**

G134118	247.90	249.03	1.13	0.02		0.16		89.4	0.02	
G134119	249.03	251.00	1.97	0.031		0.16		55.1	0.031	

Fine grained sediment, possibly intermediate. Compositionally similar to the matrix of the interval above (240.55 to 247.90 m). One felsic(?) aphanitic clast @ 248.15 m, otherwise is very clast poor, and appears homogenous.

Alteration

247.9 251.0 CHL1 CAL1 SIL1

Cl and Ca in occasional veins which contain the pyrite in this interval.

Mineralization

Hole_ID	TC08-12
Project	Thundercloud
X	534081
Y	5471296
z	460
Azimuth	300
Dip	-47
Total Length	251.0
Location	
Grid	
Claim	
NTS Mapsheet	052F07

Hole Type	Core
Survey Type	Reflex
Hole Diameter	NQ
Drill Operator	Morris Drilling
Drill Rig	#1
Grid East	
Grid North	
Start Date	10/18/2008
End Date	10/20/2008
Logged by	A. Shannon
Date Logged	10/22/2008
Sampled by	A. Shannon

Purpose/Comments:

This hole was designed to test the area west of the Pelham 3 Zone. There is a large circular chargeability anomaly that comes to surface as a strong geochemical anomaly. On surface trench 12 encountered samples as high as 1m at 18g/t Au, numerous >0.5g/t grabs by Teck were collected including a sample at 9.3 g/t Au.

Survey Data:

Depth	*Azimuth*	*Dip*
14.0	296.3	-47.2
62.0	285.4	-47.1
122.0	295.7	-47.1
182.0	298.5	-46.9

Teck

From (m)	*To (m)*	*Geological Description*	*Formation Name*	*Litho Code*	*Litho Description*
0.00	3.00			**OB**	**Casing/Overburden**
		Alteration			
		Mineralization			
3.00	21.00			**4**	**Gabbro**

Gabbro, homogenous medium fine crystaline, minor variability in grain size and texture (alteration affect) but essentially massive and featureless with non obvious internal contacts high strain zone at 9.21 -9.56m

Alteration

3.0	5.3	BIO3	CHL4	CAL3	
		mod to strong altered zone of alteration, patchy development			
5.3	9.2	BIO1	CHL3	CAL2	
		weak patchy alteration			
9.2	9.6	BIO2	CHL3	CAL2	SIL3
		higher strain texture			
9.6	12.0	BIO1	CHL3	CAL2	
		weak patchy alteration			

Field No	*FROM*	*TO*	*INT. (m)*	*Au ICP ppm*	*Au Assay ppm*	*Ag ICP ppm*	*Ag Assay ppm*	*As ICP ppm*	*Au Plot ppm*	*As Plot ppm*
G134121	3.00	4.15	1.15	0.04		0.43		6.3	0.04	
G134122	4.15	5.33	1.18	0.07		0.28		5	0.07	
G134123	5.33	7.21	1.88	0.121		0.51		6.5	0.121	
G134124	7.21	9.21	2.00	0.021		0.26		6.4	0.021	
G134125	9.21	10.00	0.79	0.063		0.43		8.3	0.063	
G134126	10.00	12.00	2.00	0.021		0.25		9	0.021	
G134128	12.00	13.32	1.32	0.314		0.64		61.4	0.314	
G134129	13.32	15.00	1.68	0.026		0.23		7.8	0.026	
G134130	15.00	17.00	2.00	0.029		0.18		5.9	0.029	
G134131	17.00	19.00	2.00	0.015		0.17		5.7	0.015	
G134132	19.00	21.00	2.00	0.013		1.54		4.9	0.013	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
12.0	13.3	BIO2	CHL3	CALt	SIL1
		patch bleached core, not soft enough to be serecite			
13.3	21.0	BIO3	CHL4	CAL3	
		mod to strong altered zone of alteration, patchy development, rare calcite, veinlets, with minor bleached selvages			

Mineralization

3.0	5.3	1-2% py f.g. Irregular dot + disseminated
5.3	9.2	0.5% dis py
9.2	9.6	2% py stringers
9.6	12.0	0.5% dis py
12.0	13.3	4% py with the majority in 10 veins
13.3	21.0	trace py with rare fracture controlled py, loc trace dis po

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
21.00	44.00	**4 Gabbro**			
		Gabbro, with xenoliths + xenocrists medium sized crystals but locally fine crystaline, no obvious contacts glomorophyric feldspars locally, xenocrists of blue quartz (near melting xenoliths?)			

Alteration

21.0	24.9	BIO3	CHL3	CAL2	SILt
		patchy cl and bi alteration			
24.9	26.0	BIO4	CHL3	CAL1	SIL3
		patchy bleaching + apparent sheared texture defined by irregular shaped bands dominated by bi - cl -py			
26.0	28.4	BIO4	CHL2	CAL1	
		biotite rich alteration domain			
28.4	35.2	BIO3	CHL3	CAL1	
		mottled green/purple color, cl dominated over bi slight increases in cl veins when in cl rich domain			
35.2	44.0	BIO3	CHL2	CAL1	
		bi dominates, over cl, with cl cross cutting bi			

Mineralization

21.0	24.9	1% py as dis + veinlets associated with cl
24.9	26.0	10% py stringers irregular clots + diss, best developed with cl or cl+si
26.0	28.4	0.5% py diss overall , loc 2% over 2-3cm within interval

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134134	21.00	23.00	2.00	0.591		0.67		14.1	0.591	
G134135	23.00	24.90	1.90	0.096		0.59		19	0.096	
G134136	24.90	26.00	1.10	0.114		1.41		52.7	0.114	
G134137	26.00	27.24	1.24	0.044		0.22		12.3	0.044	
G134138	27.24	28.40	1.16	0.059		0.42		17.1	0.059	
G134139	28.40	30.00	1.60	0.161		0.49		14.6	0.161	
G134141	30.00	31.50	1.50	0.64		0.64		39.2	0.64	
G134142	31.50	33.00	1.50	0.264		0.47		28.6	0.264	
G134143	33.00	34.00	1.00	0.331		0.52		23	0.331	
G134144	34.00	35.20	1.20	0.783		0.85		13.2	0.783	
G134145	35.20	37.00	1.80	1.25		1.7		19.9	1.25	
G134146	37.00	39.00	2.00	0.886		1.19		14.6	0.886	
G134148	39.00	40.75	1.75	1.2		1.15		16.6	1.2	
G134149	40.75	42.50	1.75	0.189		0.85		10.8	0.189	
G134150	42.50	44.00	1.50	0.104		0.67		9.6	0.104	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
	28.4	35.2	locally py is best developed with cl ca veins 1% py over interval locally 15% over 10mm @31.3m		
	35.2	44.0	2% py occur as strained 2-4mm long dots + loc fine diss		
44.00	91.00	**4a Medium Grained - Gabbro**			
		Gabbro, homogenous medium-grained coherent, grey-green color. Slight variation over 2m interval to slightly leucocratic but no clearly defined contact.			
		Alteration			
	44.0	91.0	BIO2 CHL3 CAL1		
			consistent chlorite dominated alteration with local bi patches, abundant ca and ca cl veinlets @77.3 mm scale hematite vein cut by cl vein		
		Mineralization			
	44.0	64.0	tr dis py		
	64.0	66.0	1% py as strained clots +/- mm scale veinlets		
	66.0	91.0	tr dis py		
91.00	115.70	**4 Gabbro**			
		Gabbro, mixed leucocratic to melanocratic gabbro facies, leucocratic from 102.8104m			
		Alteration			
	91.0	115.7	BIO1 CHL3 CAL1		
			cl dominated alteration		
		Mineralization			
	91.0	115.7	1% py 1%po, 96.9 to 97.8m occurs as clots + veinlets		
115.70	164.00	**4a Medium Grained - Gabbro**			
		Gabbro, homogenous course -medium grained (1-2mm size crystals) cl altered x-tals with loc finer crystaline facies, 115.7-116.83 loc intrusive shear zone with ca veins @ 45o c.a. cl well developed within it			
		Alteration			
	115.7	116.8	CHL4 CAL3		
	116.8	137.7	BIOt CHL3 CAL1		
			cl dominated alteration,		
	137.7	138.2	BIO2 CHL2 CAL3		
			local bi rich domain		

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134151	44.00	46.00	2.00	0.025		0.55		4.3	0.025	
G134152	46.00	48.00	2.00	0.02		0.39		7.1	0.02	
G134154	62.00	64.00	2.00	0.032		0.15		31.6	0.032	
G134155	64.00	65.00	1.00	0.186		0.31		10.1	0.186	
G134156	65.00	66.00	1.00	0.102		0.25		7.5	0.102	
G134157	66.00	68.00	2.00	0.024		0.17		8.2	0.024	
G134158	89.00	91.00	2.00	0.072		0.14		8.8	0.072	
G134159	91.00	93.00	2.00	0.05		0.17		7.1	0.05	
G134161	93.00	95.00	2.00	0.018		0.13		9.8	0.018	
G134162	95.00	96.90	1.90	0.013		0.14		6	0.013	
G134163	96.90	97.80	0.90	0.015		0.11		1.5	0.015	
G134164	97.80	99.75	1.95	0.014		0.1		8.4	0.014	
G134165	113.70	115.70	2.00	0.012		0.08		4.5	0.012	
G134166	115.70	116.83	1.13	0.006		0.12		3.2	0.006	
G134168	116.83	119.00	2.17	0.012		0.07		5.1	0.012	
G134169	134.00	136.00	2.00	0.031		0.11		6.7	0.031	
G134170	136.00	138.17	2.17	0.077		0.15		3.9	0.077	
G134171	138.17	140.20	2.03	0.023		0.13		4.2	0.023	
G134172	140.20	141.00	0.80	0.563		0.21		3.8	0.563	
G134174	141.00	143.00	2.00	0.018		0.1		6.1	0.018	
G134175	143.00	145.00	2.00	0.012		0.08		20.6	0.012	
G134176	145.00	147.00	2.00	0.011		0.09		22.6	0.011	
G134177	147.00	148.00	1.00	0.011		0.29		6.4	0.011	
G134178	148.00	150.00	2.00	0.067		0.3		10.6	0.067	
G134179	150.00	152.00	2.00	0.007		0.09		8.9	0.007	
G134181	152.00	154.00	2.00	0.013		0.09		3	0.013	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
138.2	140.2	BIOt	CHL3	CAL1	
		cl dominated alteration			
140.2	140.7	BIO3	CHL2	CAL3	
		local biotite rich domain			
140.7	164.0	BIOt	CHL3	CAL1	
		cl dominated domain but locally over 50cm domains get increase in bi			

Mineralization

115.7	116.8	
116.8	137.7	tr py loc with cl veinlets at 129 and 136
137.7	138.2	0.5% py as dis
138.2	140.2	tr py
140.2	140.7	1% po + py combined
140.7	152.7	tr dis py at 147.3 qz-ca-cl vein , with diss py in chlorite halo 2cm wide
152.7	153.7	1% py
153.7	164.0	tr py and po

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
164.00	251.00	**4 Gabbro**			
		Gabbro is generally fine to medium grained, locally coarse pyroxenes (up to 10mm) no clear internal contact gradational between crystal sizes over ~1m scale from 242 may not be gabbro as it is fine crystaline, but has gabbroic textures in places			

Alteration

164.0	166.1	BIO1	CHL3	CAL1	
		cl dominated weak cl defined fabric			
166.1	170.8	BIO3	CHL3	CAL2	
		cl +bi with increased ca veining			
170.8	176.4	BIO1	CHL3	CAL1	
		cl dominated weak cl defined fabric			
176.4	177.4	BIO1	CHL3	CAL1	
		cl dominated domain			
177.4	184.2	BIO3	CHL3	CAL2	
		patchy cl -bi domain			

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134182	154.00	156.00	2.00	0.018		0.11		5.4	0.018	
G134183	156.00	158.00	2.00	0.021		0.32		5.3	0.021	
G134184	158.00	160.00	2.00	0.017		0.13		8.4	0.017	
G134185	160.00	162.00	2.00	0.007		0.11		3.1	0.007	
G134186	162.00	164.00	2.00	0.006		0.08		3.4	0.006	
G134188	164.00	166.13	2.13	0.008		0.11		4.3	0.008	
G134189	166.13	168.56	2.43	0.01		0.12		2.2	0.01	
G134190	168.56	170.75	2.19	0.043		0.15		7.8	0.043	
G134191	170.75	172.60	1.85	0.029		0.11		2.4	0.029	
G134192	172.60	174.50	1.90	0.011		0.09		3	0.011	
G134194	174.50	176.38	1.88	0.011		0.09		2	0.011	
G134195	176.38	178.38	2.00	0.02		0.13		2.2	0.02	
G134196	178.38	180.38	2.00	0.013		0.15		1	0.013	
G134197	180.38	182.38	2.00	0.022		0.19		1.6	0.022	
G134198	182.38	184.18	1.80	0.041		0.22		2.6	0.041	
G134199	184.18	186.00	1.82	0.016		0.18		2.7	0.016	
G134201	186.00	188.00	2.00	0.027		0.18		2.5	0.027	
G134202	188.00	192.00	4.00	0.055		0.17		3.2	0.055	
G134204	192.00	193.57	1.57	0.046		0.21		5.6	0.046	
G134203	192.00	193.57	1.57	0.075		0.18		2.6	0.075	
G134205	193.57	194.52	0.95	0.063		0.36		9.4	0.063	
G134207	194.52	195.75	1.23	0.015		0.16		6.3	0.015	
G134208	195.75	197.78	2.03	0.015		0.17		6	0.015	
G134209	197.78	198.96	1.18	0.044		0.25		8.6	0.044	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
184.2	193.6	BIO3	CHL2	CAL3	
		still patchy but cl dominated patch, eg 91-91.5			
193.6	194.5	BIO4	CHL2	CAL1	
		bi py cl foliated zone			
194.5	201.2	BIO1	CHL3	CAL1	
		cl dominated			
201.2	203.0	BIOt	CHL3	CAL1	
		cl dominated domain			
203.0	206.8	BIO1	CHL2	CAL3	
		bleached domain, ca alteration over cl			
206.8	209.9	BIO1	CHL3	CAL1	
		cl dominated			
209.9	214.1	BIO1	CHL3	CAL1	
		cl dominated			
214.1	215.7	BIO1	CHL3	CAL1	
		cl dominated			
215.7	224.0	BIO2	CHL3	CAL2	SIL1
		cl dominated with hard foliated patches			
224.0	230.7	BIO1	CHL3	CAL1	
		cl dominated			
230.7	233.9	BIO3	CHL2	CAL1	
		bi dominated (with patchy cl intervals)			
233.9	245.6	BIO2	CHL2	CAL1	
		cl dominated with alternating bi patches on a 10cm scale			
245.6	248.2	BIO2	CHL2	CAL1	
		cl dominated, cl veins developed on a mm to cm scale			
248.2	249.5	BIO2	CHL3	CAL1	
		cl dominated			
249.5	251.0	BIO2	CHL2	CAL2	
		patchy bi + cl alteration			

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134210	198.96	201.16	2.20	0.075		0.14		5.2	0.075	
G134212	201.16	203.00	1.84	0.015		0.14		8.7	0.015	
G134213	203.00	204.00	1.00	0.019		0.19		3.4	0.019	
G134214	204.00	205.26	1.26	0.02		0.22		9.8	0.02	
G134215	205.26	206.80	1.54	0.046		0.22		28.4	0.046	
G134216	206.80	208.26	1.46	0.023		0.19		6.9	0.023	
G134217	208.26	210.41	2.15	0.018		0.17		9.4	0.018	
G134218	210.41	211.36	0.95	0.267		0.27		23.3	0.267	
G134220	211.36	212.39	1.03	0.017		0.2		5.2	0.017	
G134221	212.39	214.14	1.75	0.014		0.22		4.7	0.014	
G134222	214.14	215.96	1.82	0.006		0.13		5.9	0.006	
G134223	215.96	217.28	1.32	0.017		0.2		4.3	0.017	
G134224	217.28	219.00	1.72	0.01		0.19		4.7	0.01	
G134225	219.00	221.00	2.00	0.013		0.17		5.2	0.013	
G134227	221.00	222.50	1.50	0.012		0.23		5.6	0.012	
G134228	222.50	224.00	1.50	0.019		0.25		6.5	0.019	
G134229	224.00	226.00	2.00	0.006		0.13		6.2	0.006	
G134230	226.00	228.40	2.40	0.007		0.16		4.2	0.007	
G134231	228.40	230.65	2.25	0.005		0.14		4.7	0.005	
G134233	230.65	232.25	1.60	0.017		0.21		3	0.017	
G134234	232.25	233.88	1.63	0.021		0.21		2.9	0.021	
G134235	233.88	236.00	2.12	0.008		0.13		3.6	0.008	
G134236	236.00	238.00	2.00	0.014		0.21		3.2	0.014	
G134237	238.00	240.00	2.00	0.037		0.31		3	0.037	
G134238	240.00	241.84	1.84	0.048		0.29		4.7	0.048	
G134240	241.84	242.35	0.51	0.071		0.43		10.8	0.071	
G134241	242.35	244.35	2.00	0.052		0.29		5.7	0.052	
G134242	244.35	245.64	1.29	0.025		0.22		6.9	0.025	
G134243	245.64	247.00	1.36	0.035		0.22		7.7	0.035	
G134244	247.00	248.15	1.15	0.034		0.15		5.9	0.034	
G134245	248.15	249.52	1.37	0.019		0.1		7	0.019	
G134247	249.52	251.00	1.48	0.021		0.11		7.2	0.021	

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
Mineralization															
164.0	166.1	tr py clots and py along fractures													
166.1	170.8	0.5% py as stretched clots													
170.8	176.4	tr py as clots													
176.4	177.4	no min													
177.4	184.2	0.5%py associated with bi													
184.2	193.6														
193.6	194.5	4% py stringers and diss													
194.5	197.8	tr py as diss and with ca veins													
197.8	199.0	3% py as stringers													
199.0	201.2	tr py as diss and with ca veins													
201.2	203.0	tr py													
203.0	205.3	0.5% diss py													
205.3	206.1	5% py diss + veinlets associated with cl													
206.1	206.8	0.5 % py													
206.8	209.9														
209.9	210.0	0.5% py as stringers													
210.0	211.4	10% py as veinlets + diss													
211.4	214.1	0.5% py as stringers with calcite													
214.1	215.7	no min													
215.7	224.0	0.5% py as stringer + stretched clots													
224.0	230.7	tr py stringer , tr diss po loc													
230.7	233.9	tr py stretched blebs													
233.9	241.8	0.5% py as stringers													
241.8	242.4	10 -15% py stringers													
242.4	245.6	0.5% py as stringers													
245.6	248.2	0.5% py clots													
248.2	249.5	tr py and po?													
249.5	251.0	0.5% py as stringers													

Hole_ID	TC08-13	**Hole Type**	Core	**Purpose/Comments:**	
Project	Thundercloud	**Survey Type**	Reflex		
X	533936	**Hole Diameter**	NQ	This hole tested a strong n-s trending chargeability and magnetic anomaly, few outcrops exists in this area so little is known about the geology. A historic trench lies 150m west of the collar location and 2007 Teck grab sample found a sample of 2.23g/t Au. The target of this hole is along strike (south) of the Historic Pelham showing and will test if the n-s veins continue to the south.	
Y	5471333	**Drill Operator**	Morris Drilling		
z	466	**Drill Rig**	#1		
Azimuth	280	**Grid East**			
Dip	-50	**Grid North**			
Total Length	157.0	**Start Date**	10/21/2008		
Location		**End Date**	10/23/2008		
Grid		**Logged by**	L. Tam		
Claim		**Date Logged**	10/23/2008		
NTS Mapsheet	052F07	**Sampled by**	L. Tam		

Survey Data:

Depth	*Azimuth*	*Dip*
14.0	279.4	-49.6
62.0	260.8	-49.7
122.0	278.9	-49.4

Teck

From (m)	*To (m)*	*Geological Description* / *Formation Name*	*Litho Code*	*Litho Description*
0.00	3.00		**OB**	**Casing/Overburden**

Overburden.

Alteration

Mineralization

3.00	25.62		**4b**	**Coarse Grained - Gabbro**

Coarse grained gabbro. Coarse grained euhedral interlocking crystals up to 5 mm. Grey green colour due to chlorite alteration of mafic minerals. More intense, moderate chlorite alteration from 3.00 m to 6.29 m, and chlorite is less intense below 6.29 m with slight decreasing grain size (3 mm). Fine grained mafic from 20.45 to 21.06 m with sharp contacts on either side. Is quite fresh and is possibly a xenolith. Coarse grained gabbro grades into finer grained gabbro and contact correlates with increase in biotite alteration @ ~25.10 m.

Alteration

3.0	6.3	CHL2	altering pyroxene.
6.3	25.1	CHL1	alteration of mafics. Trace Cl veinlets.
25.1	25.6	BIO1 CHL1 CAL1	Cl alteration of mafics. Patchy Bi and planar Ca veins.

Field No	*FROM*	*TO*	*INT. (m)*	*Au ICP ppm*	*Au Assay ppm*	*Ag ICP ppm*	*Ag Assay ppm*	*As ICP ppm*	*Au Plot ppm*	*As Plot ppm*
G134248	3.00	5.00	2.00	0.001		0.1		4	0.001	
G134249	5.00	7.00	2.00	0.005		0.09		5.4	0.005	
G134250	7.00	9.00	2.00	0.002		0.07		5.5	0.002	
G134251	9.00	11.00	2.00	0.001		0.05		6.2	0.001	
G134253	11.00	13.00	2.00	0.01		0.18		7.1	0.01	
G134254	13.00	15.00	2.00	0.001		0.06		7.7	0.001	
G134255	15.00	17.00	2.00	0.015		0.07		6	0.015	
G134256	17.00	18.71	1.71	0.095		0.33		5.8	0.095	
G134257	18.71	21.06	2.35	0.002		0.05		6.9	0.002	
G134258	21.06	23.00	1.94	0.005		0.03		10.6	0.005	
G134260	23.00	24.50	1.50	0.007		0.05		5.4	0.007	
G134261	24.50	25.62	1.12	0.007		0.1		4.6	0.007	

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
		Mineralization													
	3.0	18.7		0.1% py and po clots											
	18.7	25.6		Trace py in quartz-Ca vein.											
25.62	35.71	**4 Gabbro**			G134262	25.62	27.62	2.00	0.066		0.12		3	0.066	
		Gabbro. Finer grained than above, but can locally see coarse grains and coherent interlocking texture (especially from 33 m to end of interval). Grey to purplish brown colour due to biotite alteration. Biotite may be masking actual grain size. Toward end of interval, grains are 4-5 mm and appear fairly euhedral. Zone with strongest biotite alteration is also moderately to strongly foliated. Biotite alteration is gradational and weakens toward end of interval in coarse grained gabbro.			G134263	27.62	29.62	2.00	0.022		0.1		5	0.022	
					G134264	29.62	31.62	2.00	0.25		0.17		3.7	0.25	
					G134265	31.62	33.50	1.88	0.368		0.21		2.8	0.368	
					G134267	33.50	35.71	2.21	0.007		0.07		4.2	0.007	
		Alteration													
	25.6	29.0	BIO2 CHL2	SIL1											
				Patchy Bi, Cl, along foliation. This alteration possibly masking grain size. Ca veins.											
	29.0	30.5	BIO1 CHL2 CAL1	SIL1											
				Patchy Bi and Cl along foliation. Ca veins.											
	30.5	32.2	BIO3 CHL2 CAL1	SIL1											
				Strong patchy Bi, lesser Cl alteration. Ca veins.											
	32.2	35.7	BIO2 CHL2 CAL1	SIL1											
				Patchy Bi and Cl, but Bi is gradational to end of interval and changes to intensity of 1 at end. Ca veins.											
		Mineralization													
	25.6	33.5		0.1% py and po in veins assoc with Cl?											
	33.5	35.7		Trace py.											
	35.5	86.8		Trace to 0.5% py in veins, 10-20% disseminated magnetite.											
35.71	38.72	**4b Coarse Grained - Gabbro**			G134268	35.71	37.30	1.59	0.019		0.07		5	0.019	
		Coarse grained gabbro. Euhedral, interlocking crystals up to 5 mm. Massive. Not overall as coarse as 3. 00 m to 25.62 m, but this may be due to the weak patchy biotite alteration masking grain size. Grey-green colour due to weak pervasive chlorite.			G134269	37.30	38.72	1.42	0.006		0.1		4	0.006	
		Alteration													
	35.7	38.7	BIO1 CHL1												
				per Cl altering mafics, patchy Bi.											
		Mineralization													
	35.7	38.7		Trace py in veins only.											

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
38.72	47.69	Gabbro. Fine to medium grained, although fine grain size may only be due to alteration. Grey-brown (biotite) to grey-green colour (chlorite). Coherent texture with interlocking grains is most clearly visible below 45.45 m, likely because alteration is weaker there.		4	Gabbro
		Alteration			
38.7	42.1			BIO3 CHL1	
		Strong patchy Bi. Cl occurring in discrete patches without Bi.			
42.1	45.5			BIO2 CHL2 CAL1	
		Ca in planar veins.Bi and Cl in patches. Patches cut by Ca. Discrete patches of Cl (may be edge of a vein?)			
45.5	47.7			BIO1 CHL1	
		weak patchy Cl and Bi.			
		Mineralization			
38.7	46.0	Trace to 0.5% py in small clots, slightly strained.			
46.0	47.7	0.5-1% disseminated py assoc with Cl veins.			
47.69	52.26	Gabbro? Light grey brown colour. Inferred to be gabbro because of surrounding intervals, but protoliths is unknown. Flooded, moderate, silicification has made it difficult to identify primary features. Is also strongly sheared and appears fine grained with bleached, chalky appearance.		4	Gabbro
		Alteration			
47.7	52.3			SER1 SIL2	
		pervasive Si and veinlets along foliation. Se? possible Se (chalkiness).			
		Mineralization			
47.7	52.3	10-15% disseminated py in bands along the foliation.			
52.26	135.95	Gabbro. Fine to medium grained with actual primary textures not visible due to alteration. Grey-green colour (chlorite). Grain size is more visible below 88.84 m, where alteration is not as strong. In this part, can see interlocking chloritized mafic crystals (pyroxene?) and feldspar. Otherwise, this texture is only seen locally over the rest of the interval. Possible xenolith from 100.58 m to 100.83 m. Xenolith is fine grained mafic with trace Cl alteration of hornblende. It has sharp contacts on either side. Gabbro is gradational from the inferred gabbro above, although due to the lack of primary textures, the contact is defined only by changes in alteration.		4	Gabbro

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134270	38.72	40.72	2.00	0.442		0.23		2.5	0.442	
G134271	40.72	42.11	1.39	0.884		0.38		3.7	0.884	
G134273	42.11	44.00	1.89	0.371		0.35		4.4	0.371	
G134274	44.00	46.00	2.00	0.205		1.18		12.2	0.205	
G134275	46.00	47.69	1.69	0.232		2.26		35.8	0.232	
G134276	47.69	48.69	1.00	1.925		2.49		115	1.925	
G134277	48.69	49.69	1.00	0.209		0.76		106	0.209	
G134278	49.69	50.69	1.00	0.205		1.3		105	0.205	
G134280	50.69	51.69	1.00	0.21		1.33		102	0.21	
G134281	51.69	52.26	0.57	0.468		2.12		58.4	0.468	
G134282	52.26	53.26	1.00	0.087		0.8		24.2	0.087	
G134283	53.26	54.60	1.34	0.12		0.74		25.7	0.12	
G134284	54.60	55.78	1.18	0.386		1.28		78.1	0.386	
G134285	55.78	57.37	1.59	0.147		0.44		46.3	0.147	
G134287	57.37	59.00	1.63	0.038		0.48		48.1	0.038	
G134288	59.00	60.11	1.11	0.059		0.43		37.4	0.059	
G134289	60.11	61.88	1.77	0.106		0.7		28.9	0.106	
G134290	61.88	63.88	2.00	0.012		0.15		13.1	0.012	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
Alteration					
52.3	55.8	BIO2	CHL1		SIL1
		patchy Bi. Cl in veins often assoc with py. From 54.60 m to 55.78 m, Si 2 and py increased.			
55.8	61.3	BIO2	CHL2		SIL1
		Patchy Bi and Cl. Folded quartz vein @ 59.90 m.			
61.3	67.9	BIO1	CHL2	CAL1	
		per Cl with weak patchy Bi. Occ planar Ca veins.			
67.9	70.4	BIO3	CHL2		SIL1
		Strong patchy Bi, possibly cut by Cl?			
70.4	81.5		CHL2	CAL1	
		per Cl on mafic minerals. Occ ca veins.			
81.5	85.5	BIO2	CHL2	CAL1	
		patchy Bi and Cl, occ appears as though Cl cutting Bi and Ca cutting Cl			
85.5	86.8		CHL2		
		per Cl			
86.8	87.6	BIO2	CHL1	CAL2	
		patchy Bi. Cl often with Ca veins.			
87.6	88.8		CHL2		
		Cl per - mafics.			
88.8	101.2		CHL1	CAL1	
		Cl per alteration of mafics. Ca veins.			
101.2	107.8	BIO1	CHL1	CALt	
		patchy Bi alteration, trace Ca, occ Ca veins with Cl rims			
107.8	109.6	BIO1	CHL2	CALt	
		per Cl with patches of Bi. Also Cl-Ca veins.			
109.6	114.2	BIO2	CHL2	CAL1	SIL1
		Cl and Bi patches aligned with foliation. Per Si.			
114.2	116.6	BIO1	CHL1	CAL1	
		Cl and Bi patchy aligning with foliation. Py occurring with Cl.			
116.6	122.0		CHL1	CAL1	
		per Cl, planar Ca veins			

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134291	63.88	65.88	2.00	0.03		0.21		12.5	0.03	
G134293	65.88	67.88	2.00	0.186		0.27		16.7	0.186	
G134294	67.88	69.35	1.47	0.18		0.39		12.7	0.18	
G134295	69.35	70.24	0.89	1.065		0.63		12.1	1.065	
G134296	70.24	72.24	2.00	0.05		0.2		12.9	0.05	
G134297	72.24	74.24	2.00	0.015		0.16		19.8	0.015	
G134298	74.24	76.21	1.97	0.041		0.25		13.2	0.041	
G134300	76.21	78.21	2.00	0.032		0.21		18.9	0.032	
G134301	78.21	80.00	1.79	0.037		0.26		11.8	0.037	
G134302	80.00	81.47	1.47	0.121		0.33		11.6	0.121	
G134303	81.47	82.47	1.00	0.359		0.52		12.7	0.359	
G134304	82.47	83.47	1.00	0.311		0.55		14.8	0.311	
G134306	83.47	84.47	1.00	0.337		0.44		8.7	0.337	
G134307	84.47	85.53	1.06	0.136		0.28		10.9	0.136	
G134308	85.53	86.78	1.25	0.045		0.25		9.1	0.045	
G134309	86.78	87.59	0.81	0.329		0.38		7.3	0.329	
G134311	87.59	89.59	2.00	0.158		0.25		11.7	0.158	
G134312	89.59	91.56	1.97	0.502		0.29		10	0.502	
G134313	91.56	93.56	2.00	0.061		0.14		9.4	0.061	
G134314	93.56	95.56	2.00	0.09		0.26		14.3	0.09	
G134315	95.56	97.55	1.99	0.039		0.17		16.3	0.039	
G134316	97.55	99.12	1.57	0.084		0.28		14.3	0.084	
G134317	99.12	101.16	2.04	0.132		0.21		5.8	0.132	
G134319	101.16	103.00	1.84	0.149		0.36		6.5	0.149	
G134320	103.00	104.48	1.48	0.277		0.5		7	0.277	
G134321	104.48	106.68	2.20	0.06		0.32		7.3	0.06	
G134322	106.68	107.84	1.16	0.112		0.51		8.4	0.112	
G134323	107.84	109.58	1.74	0.059		0.26		8	0.059	
G134324	109.58	110.58	1.00	0.192		0.52		11	0.192	
G134326	110.58	111.85	1.27	0.085		0.57		14.5	0.085	
G134327	111.85	112.85	1.00	0.056		0.64		21.6	0.056	
G134328	112.85	114.17	1.32	0.109		0.56		18.7	0.109	
G134329	114.17	115.60	1.43	0.115		0.35		8.6	0.115	
G134330	115.60	116.64	1.04	0.146		0.41		6.2	0.146	
G134332	116.64	118.64	2.00	0.091		0.3		4.4	0.091	
G134333	118.64	120.52	1.88	0.092		0.27		5.9	0.092	
G134334	120.52	122.00	1.48	0.061		0.24		6	0.061	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
	122.0	123.4		BIO1	CHL1 CALt
			Trace Ca in veins with Cl. Bi patchy, Cl cutting Bi patches?		
	123.4	136.0			CHL1 CAL1
			Cl mostly concentrated on edges of Ca or Ca-Cl veins.		
	Mineralization				
	52.3	54.6	3-5% py disseminated along veins occ with Cl.		
135.95	157.00		**4 Gabbro**		
			Gabbro? Fine to medium grained interval of unknown protoliths. Gradational from the above interval where coarse, coherent texture (interlocking grains) is still visible. Light to medium grey-green colour (chlorite) with occasional patchy purplish wash often associated with biotite. Almost pervasive disseminated magnetite. Patchy alteration and pervasive (late?) calcite veining may be making it difficult to see primary features. Appears coherent in less altered portions of the interval. Inferred to be gabbro (possibly chilled margin) or may also be coarser mafic volcanics. Possible feldspar porphyry xenolith from 148.36 m to 148.72 m with no mineralization.		
	Alteration				
	136.0	148.7		BIO1	CHL2 CAL1
			Cl alteration per and on edges of Ca veins. Patchy Bi, assoc with purplish wash.		
	148.7	153.8		BIO1	CHL1 CAL1
			Weak patchy Bi. Cl strongest around Ca veins.		
	153.8	157.0			CHL1 CAL1
			per weak Cl cut by Ca veins, mostly planar		
	Mineralization				
	137.2	149.7	0.1-0.5% py clots and veinlets with trace po.		
	149.7	157.0	Trace py in veins.		

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134335	122.00	123.43	1.43	0.166		0.31		6.2	0.166	
G134336	123.43	125.43	2.00	0.556		0.26		6.8	0.556	
G134337	125.43	127.43	2.00	0.945		0.57		8.4	0.945	
G134339	127.43	129.43	2.00	0.113		0.4		7.3	0.113	
G134340	129.43	131.43	2.00	0.045		0.19		6.3	0.045	
G134341	131.43	133.43	2.00	0.103		0.29		9.2	0.103	
G134342	133.43	135.95	2.52	0.093		0.22		7.4	0.093	
G134343	135.95	137.24	1.29	0.266		0.43		8.7	0.266	
G134344	137.24	139.24	2.00	0.132		0.23		6.5	0.132	
G134346	139.24	141.24	2.00	0.05		0.23		9.1	0.05	
G134347	141.24	143.24	2.00	0.066		0.25		7.7	0.066	
G134348	143.24	145.31	2.07	0.111		0.17		5.7	0.111	
G134349	145.31	147.31	2.00	0.056		0.24		9.6	0.056	
G134350	147.31	149.66	2.35	0.055		0.18		9.1	0.055	
G134352	149.66	151.66	2.00	0.022		0.13		10.1	0.022	
G134353	151.66	153.75	2.09	0.017		0.22		9.2	0.017	
G134354	153.75	155.53	1.78	0.012		0.14		6.4	0.012	
G134355	155.53	157.00	1.47	0.017		0.17		5.7	0.017	

Hole_ID	TC08-14	**Hole Type**	Core	**Purpose/Comments:**	
Project	Thundercloud	**Survey Type**	Reflex		
X	533947	**Hole Diameter**	NQ	It was collared to the east of a number of pits that targeted the number 1 veins. There is a strong chargeability and magnetic response as well as historic ('86) Teck Drill hole results that includes an isolated 30g/t Au sample, and numerous 1g/t samples and surface sample from Teck 07/08 of 1.35 and 15.5g/t Au.	
Y	5471460	**Drill Operator**	Morris Drilling		
z	459	**Drill Rig**	#1		
Azimuth	280	**Grid East**			
Dip	-50	**Grid North**			
Total Length	194.0	**Start Date**	10/23/2008		
Location		**End Date**	10/26/2008		
Grid		**Logged by**	L. Tam		
Claim		**Date Logged**	10/26/2008		
NTS Mapsheet	052F07	**Sampled by**	L. Tam		

Survey Data:

Depth	*Azimuth*	*Dip*
14.0	273.5	-49.4
62.0	279.6	-49.4
122.0	282.3	-49.0
182.0	280.7	-48.9

Teck

From (m)	*To (m)*	*Geological Description*	*Formation Name*	*Litho Code*	*Litho Description*
0.00	6.10	Overburden		**OB**	**Casing/Overburden**
		Alteration			
		Mineralization			
6.10	78.78	Gabbro. Medium to coarse grained. Medium grey in colour. Euhedral, interlocking crystals of pyroxene, hornblende and feldspar up to 5 mm. Locally very coarse grained. Locally leucocratic. Overall is weakly chloritized or nearly fresh with various orientations of (late?) planar calcite veins. Planar quartz veins with pyrite @ 75.15 m, 84.20 m, and 103.7 m. One grain(?) of bluish quartz near vein @ 75.15 m. Possible fine grained mafic dyke ~29.60 m (or finer gabbro?). Fault and quartz vein from 10.46 m to 12.17 m (barren white quartz and rubble).		**4**	**Gabbro**
		Alteration			
	6.1	14.4 BIOt CHLt			
		Trace biotite and chlorite patches.			
	14.4	15.5 BIO1			
		Patchy biotite.			
	15.5	17.0 CHLt			
		Trace background chlorite.			

Field No	*FROM*	*TO*	*INT. (m)*	*Au ICP ppm*	*Au Assay ppm*	*Ag ICP ppm*	*Ag Assay ppm*	*As ICP ppm*	*Au Plot ppm*	*As Plot ppm*
G134356	6.10	8.00	1.90	0.033		0.17		2.8	0.033	
G134357	8.00	10.00	2.00	0.065		0.12		1.8	0.065	
G134359	10.00	12.21	2.21	0.008		0.1		3.3	0.008	
G134360	12.21	14.00	1.79	0.079		0.16		2.5	0.079	
G134361	14.00	16.00	2.00	0.068		0.13		3.4	0.068	
G134362	16.00	18.00	2.00	0.038		0.11		1.5	0.038	
G134363	18.00	20.00	2.00	0.042		0.17		3.3	0.042	
G134364	20.00	22.00	2.00	0.023		0.12		2.9	0.023	
G134366	22.00	24.00	2.00	0.011		0.07		2.7	0.011	
G134367	24.00	26.00	2.00	0.024		0.11		2.6	0.024	
G134368	26.00	28.00	2.00	0.042		0.14		4.8	0.042	
G134369	28.00	30.00	2.00	0.02		0.08		13.1	0.02	
G134370	30.00	32.00	2.00	0.03		0.09		10.3	0.03	
G134372	32.00	34.00	2.00	0.01		0.08		17.4	0.01	
G134373	34.00	36.00	2.00	0.018		0.1		6.3	0.018	
G134374	36.00	38.00	2.00	0.014		0.1		2.6	0.014	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
17.0	18.3	BIO1	CHL1		
18.3	55.5			CHLt	
		Trace background chlorite.			
55.5	78.8			CHL1	
		Chlorite concentrated along planar Ca veins.			
Mineralization					
6.1	71.5	Trace py and po clots and loc py in Ca and Ca-Cl veins. 5-20%(?) disseminated magnetite.			
71.5	73.0	0.1-0.5% po clots and stringers assoc with Cl and strain.			
73.0	116.4	Trace py and po clots and loc py and po in Ca and Ca-Cl veins. disseminated magnetite visible between ~81-85 m.			
78.78	83.97	**4**		**Gabbro**	
		Gabbro? Fine to medium grained. Overall is fine grained mafic than the intervals above and below. Weakly chloritized (grey-green). Coherent texture. Inferred to be finer grained zone of gabbro due to gradational nature of contacts on either side. High magnetic susceptibility due to disseminated magnetite.			
Alteration					
78.8	84.0			CHLt	
		Trace background chlorite.			
Mineralization					

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134375	38.00	40.00	2.00	0.01		0.1		4.6	0.01	
G134376	40.00	42.00	2.00	0.007		0.13		6.8	0.007	
G134377	42.00	44.00	2.00	0.015		0.07		13.3	0.015	
G134379	44.00	46.00	2.00	0.016		0.07		60.4	0.016	
G134380	46.00	48.00	2.00	0.024		0.06		761	0.024	
G134381	48.00	50.00	2.00	0.018		0.04		957	0.018	
G134382	50.00	52.00	2.00	0.012		0.06		679	0.012	
G134383	52.00	54.00	2.00	0.009		0.04		292	0.009	
G134384	54.00	56.00	2.00	0.028		0.04		725	0.028	
G134386	56.00	58.00	2.00	0.065		0.05		398	0.065	
G134387	58.00	60.00	2.00	0.007		0.05		259	0.007	
G134388	60.00	62.00	2.00	0.007		0.07		46.3	0.007	
G134389	62.00	64.00	2.00	0.008		0.05		37.8	0.008	
G134390	64.00	66.00	2.00	0.021		0.07		210	0.021	
G134392	66.00	68.00	2.00	0.002		0.08		110.5	0.002	
G134393	68.00	70.00	2.00	0.004		0.08		128	0.004	
G134394	70.00	71.50	1.50	0.096		0.09		72.8	0.096	
G134395	71.50	73.00	1.50	0.322		0.15		106	0.322	
G134396	73.00	75.00	2.00	0.109		0.15		25.1	0.109	
G134397	75.00	77.00	2.00	0.021		0.08		13.3	0.021	
G134399	77.00	78.78	1.78	0.022		0.06		6.8	0.022	
G134400	78.78	81.00	2.22	0.022		0.1		6	0.022	
G134401	81.00	83.00	2.00	0.02		0.1		5.9	0.02	
G134402	83.00	83.97	0.97	0.048		0.16		4.7	0.048	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
83.97	116.42	Gabbro. See to 6.10 m to 78.78 m.		4	Gabbro

Alteration

84.0	116.4		CHL1	CAL1		

Rare quartz and quartz-calcite veins.

Mineralization

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134403	83.97	86.00	2.03	0.088		0.19		6.1	0.088	
G134404	86.00	88.01	2.01	0.053		0.14		6.5	0.053	
G134405	88.01	90.00	1.99	0.008		0.1		10.8	0.008	
G134406	90.00	92.00	2.00	0.012		0.09		6.6	0.012	
G134407	92.00	94.00	2.00	0.035		0.1		6.7	0.035	
G134408	94.00	96.00	2.00	0.004		0.11		5.6	0.004	
G134410	96.00	98.00	2.00	0.005		0.13		5	0.005	
G134411	98.00	100.00	2.00	0.009		0.18		5.9	0.009	
G134412	100.00	102.00	2.00	0.027		0.2		9	0.027	
G134413	102.00	104.00	2.00	0.01		0.24		6.2	0.01	
G134415	104.00	106.00	2.00	0.011		0.31		7.5	0.011	
G134416	106.00	108.00	2.00	0.008		0.18		4.7	0.008	
G134417	108.00	110.00	2.00	0.028		0.18		4.5	0.028	
G134418	110.00	112.00	2.00	0.01		0.14		6.5	0.01	
G134419	112.00	114.00	2.00	0.005		0.21		5.1	0.005	
G134420	114.00	116.42	2.42	0.005		0.11		4.7	0.005	

116.42	123.47	Leuco-gabbro. Light grey, medium grained. Massive. Coherent texture with interlocking crystals. Appears slightly clastic from 122 to 123.47 m, but may only be due to abundant veins.		4	Gabbro

Alteration

116.4	123.5		CHL1	CAL1	SER1	SIL1

Calcite veins. Se altering feldspar or chlorite? Si per and in veins.

Mineralization

116.4	123.5	Trace py along Ca-Cl veinlets.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134421	116.42	118.42	2.00	0.004		0.11		4.4	0.004	
G134423	118.42	120.42	2.00	0.008		0.18		4.3	0.008	
G134424	120.42	122.42	2.00	0.006		0.11		5.4	0.006	
G134425	122.42	123.47	1.05	0.048		0.15		5	0.048	

123.47	140.30	Gabbro? Fine to medium grained. Locally, can see coherent texture with interlocking grains. Grain size may appear reduced due to patchy biotite alteration. Inferred to be gabbro, but protolith unknown due to lack of primary textures. Upper contact is adjacent to zone of high alteration and a possible xenolith (with quartz grains). Lower contact is gradational.		4	Gabbro

Alteration

123.5	140.3	BIO1	CHL1	CAL1		

Weak patchy Bi, often slightly strained patches. Weak per chlorite and planar calcite veins.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134426	123.47	125.47	2.00	0.019		0.28		4.3	0.019	
G134427	125.47	127.48	2.01	0.048		0.3		5.6	0.048	
G134428	127.48	129.48	2.00	0.062		0.35		5.9	0.062	
G134430	129.48	131.00	1.52	0.106		0.3		5	0.106	
G134431	131.00	132.52	1.52	0.365		0.37		72.1	0.365	
G134432	132.52	134.56	2.04	0.244		0.2		52.4	0.244	
G134433	134.56	136.56	2.00	0.009		0.16		3.2	0.009	
G134434	136.56	138.56	2.00	0.013		0.07		2.3	0.013	
G134436	138.56	140.54	1.98	0.007		0.12		4	0.007	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description

Mineralization

123.5 132.5 0.1-1% py and po in clots and Ca and qtz veins.

132.5 140.3 Trace py and po clots.

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
140.30	161.33	Gabbro. Medium to coarse grained with euhedral, interlocking crystals. Feldspar glomerophyric from 148.66 m to 149.85 m and from 155.56 m to 161.33 m. Occasional feldspar glomerocrysts seen in between. Massive.		4	Gabbro

Alteration

140.3 161.3 CHL1 CAL1 SERt

Trace to 1 Cl, background alteration, also occurring with calcite in veins. Trace sericite after Cl or fsp?

Mineralization

140.3 161.3 Trace py and po clots, also py in veinlets (Ca and qtz-Ca)

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
161.33	175.54	Leuco-gabbro. Medium to coarse grained and variably leucocratic with occasional feldspar glomerophyric zones. Light grey to grey-green. Massive, coherent texture.		4	Gabbro

Alteration

161.3 175.5 CHLt SERt

Trace Cl, Se after fsp.

Mineralization

161.3 175.5 Trace py and po clots.

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
175.54	179.77	Monzonite. Composed of potassium feldspar, plagioclase feldspar, and hornblende. Euhedral, interlocking crystals - intrusive texture. Pink-grey colour. Likely is a dyke related to Taylor Lake stock intrusive. Sharp upper and lower contacts with gabbro.			

Alteration

175.5 179.8 CALt

Minor bleaching around Ca veins (some appear black).

Mineralization

175.5 179.8 Trace to 0.1% disseminated py.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134437	140.54	142.54	2.00	0.005		0.12		4	0.005	
G134438	142.54	144.54	2.00	0.006		0.13		4.9	0.006	
G134439	144.54	146.54	2.00	0.008		0.19		4.4	0.008	
G134440	146.54	148.54	2.00	0.009		0.21		4.1	0.009	
G134441	148.54	150.54	2.00	0.01		0.29		5.4	0.01	
G134443	150.54	152.54	2.00	0.011		0.33		4.3	0.011	
G134444	152.54	154.51	1.97	0.007		0.2		5.2	0.007	
G134445	154.51	156.56	2.05	0.012		0.22		6.2	0.012	
G134446	156.56	158.56	2.00	0.012		0.2		10.4	0.012	
G134447	158.56	160.00	1.44	0.009		0.08		14.6	0.009	
G134448	160.00	161.33	1.33	0.003		0.04		23.3	0.003	
G134450	161.33	163.33	2.00	0.009		0.08		11.5	0.009	
G134451	163.33	165.33	2.00	0.006		0.11		5.5	0.006	
G134452	165.33	167.33	2.00	0.008		0.11		7.3	0.008	
G134453	167.33	169.33	2.00	0.008		0.1		6.2	0.008	
G134455	169.33	171.33	2.00	0.009		0.14		4.9	0.009	
G134456	171.33	173.33	2.00	0.006		0.18		5.8	0.006	
G134457	173.33	175.54	2.21	0.012		0.17		4.1	0.012	
G134458	175.54	177.54	2.00	0.001		0.04		1.2	0.001	
G134459	177.54	179.77	2.23	0.001		0.06		1.9	0.001	

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description
179.77	194.00		**4**	**Gabbro**

Leuco-gabbro to gabbro. Fine to medium grained. Finer grained from 190.22 m to 194 m, but may only appear finer due to moderate fabric (shearing?) through this zone. Coherent texture, with interlocking grains seen where crystals are well defined. Occasional stringers of similar composition to 175.54 m to 179.77 m with thicker dykes from 189 m to 189.30 m and from 189.74 m to 190.22 m, both of which are mineralized.

Alteration

179.8	194.0	CHLt	CAL1	SERt	EP1

Cl background alteration. Ep around Ca veins with tr Se in vein selvages and loc after fsp.

Mineralization

179.8 194.0 Trace py and po clots. Trace to 0.5% disseminated py from 189 m to 189.30 m and from 189.74 m to 190.22 m.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134460	179.77	181.77	2.00	0.011		0.18		2.7	0.011	
G134462	181.77	183.77	2.00	0.012		0.1		2.5	0.012	
G134463	183.77	185.76	1.99	0.017		0.09		2.3	0.017	
G134464	185.76	187.22	1.46	0.016		0.13		1.7	0.016	
G134465	187.22	189.00	1.78	0.02		0.09		2	0.02	
G134466	189.00	190.22	1.22	0.019		0.14		1.6	0.019	
G134467	190.22	192.22	2.00	0.02		0.1		2.6	0.02	
G134469	192.22	194.00	1.78	0.025		0.1		2.9	0.025	

Hole_ID	TC08-15	**Hole Type**	Core	**Purpose/Comments:**	
Project	Thundercloud	**Survey Type**	Reflex		
X	533992	**Hole Diameter**	NQ	This hole tested a strong chargeability anomaly below trench 12 as well as assay results from trench 12 including 18g/t Au and Teck 07/08 grab samples including several ~5g/t samples and numerous ~1g/t Au samples. Hole 12 was in a similar area but had a different orientation, hole 15 will test the northeast part of the chargeability anomaly centered on line 13.	
Y	5471288	**Drill Operator**	Morris Drilling		
z	464	**Drill Rig**	#1		
Azimuth	30	**Grid East**			
Dip	-50	**Grid North**			
Total Length	293.0	**Start Date**	10/26/2008		
Location		**End Date**	10/29/2008		
Grid		**Logged by**	L. Tam		
Claim		**Date Logged**	10/27/2008		
NTS Mapsheet	052F07	**Sampled by**	L. Tam		

Survey Data:

Depth	*Azimuth*	*Dip*
14.0	24.4	-51.0
62.0	23.2	-50.9
122.0	27.1	-51.0
182.0	25.5	-50.9
263.0	38.5	-50.5

Teck

From (m)	*To (m)*	*Geological Description*	*Formation Name*	*Litho Code*	*Litho Description*
0.00	3.00	Overburden		**OB**	**Casing/Overburden**
3.00	17.04	Coarse grained gabbro. Medium to coarse grained. Medium grey colour. Euhedral pyroxene crystals up to 4 mm visible throughout coarser zones. Coherent texture. Massive. Finer grained form 8.88 m to 13.14 m.		**4b**	**Coarse Grained - Gabbro**

Alteration

3.0	17.0	CHLt
		Pervasive background Cl alteration.

Mineralization

3.0	11.4	Trace disseminated py.
11.4	17.0	0.1-0.5% disseminated py, also py disseminated along veins assoc with Cl

Alteration

Mineralization

Field No	*FROM*	*TO*	*INT. (m)*	*Au ICP ppm*	*Au Assay ppm*	*Ag ICP ppm*	*Ag Assay ppm*	*As ICP ppm*	*Au Plot ppm*	*As Plot ppm*
G134470	3.00	5.00	2.00	0.026		0.16		6.2	0.026	
G134471	5.00	7.03	2.03	0.053		0.33		12.3	0.053	
G134472	7.03	8.88	1.85	0.052		0.38		6.6	0.052	
G134473	8.88	11.37	2.49	0.032		0.3		2.6	0.032	
G134475	11.37	13.14	1.77	0.04		0.34		3	0.04	
G134476	13.14	15.14	2.00	0.028		0.27		4.4	0.028	
G134477	15.14	17.04	1.90	0.026		0.36		7.3	0.026	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
17.04	24.04	Gabbro? Local patches of coarser interlocking grains, but overall is fine to medium grained. Light grey-brown in colour (biotite and chlorite alteration). Inferred to be gabbro due to interlocking coherent patches and intervals above and below, but primary textures are likely hidden due to alteration.		4	Gabbro

Alteration

17.0	20.4	BIO1 CHL2	Cl patchy and along veins. Bi patchy.
20.4	24.0	BIO2 CHL1	

Mineralization

17.0	20.4	2-5% py clots and patches of po. Sulphides often along veins.
20.4	23.7	0.5-2% py clots with po replacing. Local disseminated.
23.7	29.2	5-10% bands of disseminated py and strained clots along foliation. Trace py in Ca veinlets from 26.67-27.08 m.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134478	17.04	18.04	1.00	0.208		0.94		32.3	0.208	
G134479	18.04	19.04	1.00	0.13		0.98		17.2	0.13	
G134480	19.04	20.36	1.32	0.096		0.9		12.5	0.096	
G134482	20.36	22.36	2.00	0.049		0.41		6	0.049	
G134483	22.36	24.04	1.68	0.075		0.66		8.6	0.075	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
24.04	29.24	Gabbro? Overall is fine grained and light grey in colour. Medium grained from 26.67 to 27.08 m with fairly euhedral crystals and coherent interlocking texture. Strongly foliated. Inferred to be gabbro because of surrounding intervals and locally coarser crystals. Is possibly a shear zone and the shearing has made it difficult to identify textures within the gabbro. Shearing may also account for the increased alteration (Cl and Bi) in the intervals on either side.		4	Gabbro

Alteration

24.0	29.2	BIO1	CAL1	SIL2

Bi, local, patchy. Per Si. Calcite in veins.

Mineralization

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134484	24.04	25.04	1.00	1.09		2.75		70.1	1.09	
G134485	25.04	26.09	1.05	1.77		12.45		77.8	1.77	
G134486	26.09	27.08	0.99	0.718		1.17		39.2	0.718	
G134487	27.08	28.06	0.98	1.04		1.56		35.9	1.04	
G134489	28.06	29.24	1.18	0.522		1.25		11	0.522	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
29.24	49.58	Gabbro? Grey to grey-green colour (chlorite). Appears fine to medium grained, with coherent texture (interlocking crystals). Massive. Does not show consistent intrusive texture but it is inferred to be all gabbro because the alteration appears to be masking some textures.		4	Gabbro

Alteration

29.2	32.2	BIO1 CHL2	Patchy Bi. Chlorite alteration in mafics and along veins.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
G134490	29.24	31.24	2.00	0.082		0.91		4.2	0.082	
G134491	31.24	33.24	2.00	0.074		0.57		3.5	0.074	
G134492	33.24	35.24	2.00	0.041		0.39		3.2	0.041	
G134493	35.24	37.28	2.04	0.023		0.37		4.5	0.023	
G134495	37.28	39.28	2.00	0.101		0.38		3.4	0.101	
G134496	39.28	41.28	2.00	0.088		0.36		3.3	0.088	
G134497	41.28	43.28	2.00	0.082		0.37		2.2	0.082	
G134498	43.28	44.27	0.99	0.132		0.5		4.2	0.132	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
	32.2	37.7		CHL2	CAL1	G134499	44.27	46.27	2.00	0.065		0.5		1.9	0.065	
		Cl alteration of mafic minerals and around calcite veins.				H444751	46.27	48.00	1.73	0.138		0.59		2.3	0.138	
	37.7	48.2		BIO1 CHL1	CAL1	H444752	48.00	49.58	1.58	0.26		0.39		2.7	0.26	
		Patchy Bi. Cl patchy around Ca veins.														
	48.2	49.6		BIO3 CHLt												
		Patchy Bi. Trace background Cl.														
	Mineralization															
	29.2	36.3	0.5-1% py clots assoc with Cl. Trace po replacing py?													
	36.3	37.7	0.1% disseminated py.													
	37.7	43.1	0.1-1% py clots and disseminated along veins.													
	43.1	44.3	1-4% py clots along Ca-Cl veins.													
	44.3	49.6	0.1-0.5% po clots, 0.1-0.5% py clots.													
49.58	62.34		**4a**	**Medium Grained - Gabbro**		H444754	49.58	51.58	2.00	0.01		0.19		4.3	0.01	
		Medium grained gabbro. Euhedral, interlocking pyroxene and feldspar crystals. Grey-green colour (background chlorite alteration). Massive. Gradational contact with the altered inferred gabbro above and sharp contact with dyke below.				H444755	51.58	53.58	2.00	0.015		0.17		4.1	0.015	
						H444756	53.58	55.83	2.25	0.361		0.14		1.8	0.361	
						H444757	55.83	57.83	2.00	0.034		0.11		8.4	0.034	
						H444758	57.83	59.83	2.00	0.019		0.13		6.1	0.019	
						H444759	59.83	62.34	2.51	0.024		0.12		4.9	0.024	
	Alteration															
	49.6	54.3		CHL1	SERt											
		Background Cl alteration. Trace Se along Ca vein selvages, after Cl?														
	54.3	62.3		CHLt												
		Trace Cl. Patchy Bi 2 between 59.04-59.47 m.														
	Mineralization															
	49.6	54.3	Trace po clots.													
	54.3	55.8	0.5-1% po clots. Trace py clots.													
	55.8	62.3	Trace py and po clots.													
62.34	64.29					H444761	62.34	64.29	1.95	0.001		0.03		0.9	0.001	
		Monzonite dyke. Medium grained composed of interlocking potassium feldspar, plagioclase feldspar and hornblende crystals. Pink-grey colour. Sharp contacts with gabbro.														
	Alteration															
	62.3	64.3			CALt											
		Trace Ca veinlets.														

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description

Mineralization

62.3 64.3 Trace disseminated py.

64.29 262.48 **4a Medium Grained - Gabbro**

Medium grained gabbro. Medium grey. Euhedral, interlocking crystals (pyroxene and feldspar) up to 3 mm. Massive. 2 cm fine grained feldspar porphyritic dyke(?) @ 74.34 m. Dyke (or xenolith?) contains a xenolith of mafic coherent with pyrite mineralization. Calcite veins ~ parallel to core axis are common (e.g. 110-112 m, 119-134 m, 156-167 m). Magnetite from ~107 to 130 m and from ~243 to 252 m, possibly extends further but difficult to identify in places (especially if fine grained). High magnetic susceptibility may be due to pyrrhotite. Xenocrists of blue quartz(?) with iridescent look @ 254.93 m. Grain looks slightly resorbed. Grades into more altered gabbro.

Alteration

64.3 107.4 CHLt CALt SERt

Trace background Cl alteration. Trace Se along vein selvages and trace Ca only in veins.

107.4 116.5 BIOt CHL1

Cl with patchy bleaching and trace Bi(?) patches.

116.5 120.4 CHLt CAL1

Cl concentrated along Ca veins - bleached.

120.4 164.9 CHL1 CAL1

Per Cl. Ca veins, some approx parallel to core axis. Local bleaching (assoc with strain?)

164.9 166.6 BIO1 CHL1 CAL1

Cl around edge of Ca veins. Patchy Bi. Ca veins cutting Cl and Bi alteration.

166.6 178.3 CHL1 CAL1

Cl pervasive background alteration with slightly more intense alteration around and sometimes as wisps within Ca veins.

178.3 182.0 CHLt CAL3

Trace per Cl. Ca patchy and planar veins (patches may be part of larger planar vein)

182.0 186.3 BIO1 CHL1 CAL1

Patchy Bi. Cl around edges of Ca veins cutting through Bi patches.

186.3 199.9 BIOt CHLt

Cl - per background alteration. Trace bi patches, not continuous.

199.9 203.4 BIO2 CHLt CAL1

Trace background Cl. Patchy Bi cut by calcite veins. Bleached.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H444762	64.29	66.27	1.98	0.016		0.17		3	0.016	
H444763	66.27	68.27	2.00	0.004		0.11		2	0.004	
H444764	68.27	70.27	2.00	0.018		0.2		3	0.018	
H444765	70.27	72.27	2.00	0.009		0.19		3.8	0.009	
H444766	72.27	74.40	2.13	0.011		0.18		6.8	0.011	
H444768	74.40	76.38	1.98	0.011		0.13		17.4	0.011	
H444769	76.38	78.48	2.10	0.006		0.06		39	0.006	
H444770	78.48	80.48	2.00	0.008		0.06		27.5	0.008	
H444771	80.48	82.48	2.00	0.017		0.07		10.7	0.017	
H444772	82.48	84.48	2.00	0.016		0.04		9.8	0.016	
H444774	84.48	86.48	2.00	0.011		0.06		8.1	0.011	
H444775	86.48	88.49	2.01	0.007		0.08		27.8	0.007	
H444776	88.49	90.49	2.00	0.014		0.11		33.6	0.014	
H444777	90.49	92.49	2.00	0.013		0.12		7.4	0.013	
H444778	92.49	94.49	2.00	0.038		0.13		6.9	0.038	
H444779	94.49	96.50	2.01	0.019		0.09		6.8	0.019	
H444781	96.50	98.50	2.00	0.019		0.15		4	0.019	
H444782	98.50	100.50	2.00	0.011		0.04		14.7	0.011	
H444783	100.50	102.50	2.00	0.012		0.06		8.8	0.012	
H444784	102.50	104.50	2.00	0.036		0.1		5.2	0.036	
H444785	104.50	106.50	2.00	0.03		0.1		5.6	0.03	
H444786	106.50	107.43	0.93	0.028		0.19		3.4	0.028	
H444788	107.43	109.45	2.02	0.149		0.27		3.6	0.149	
H444789	109.45	111.45	2.00	0.114		0.37		4.6	0.114	
H444790	111.45	113.00	1.55	0.431		0.32		5.7	0.431	
H444791	113.00	114.73	1.73	0.042		0.31		5.2	0.042	
H444792	114.73	116.53	1.80	0.103		0.12		4.1	0.103	
H444794	116.53	118.53	2.00	0.306		0.2		4.5	0.306	
H444795	118.53	120.40	1.87	0.069		0.18		3.9	0.069	
H444796	120.40	122.00	1.60	0.062		0.3		4.3	0.062	
H444797	122.00	124.00	2.00	0.057		0.29		3.1	0.057	
H444798	124.00	126.22	2.22	0.018		0.23		4.1	0.018	
H444799	126.22	128.66	2.44	0.313		0.15		4.6	0.313	
H444801	128.66	130.66	2.00	0.02		0.19		3.8	0.02	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
203.4	205.4			CHL1	
		per Cl			
205.4	209.2			CHL1	CAL2
		Per Cl cut by calcite veins, many along or close to c.a. angle. Bleaching around veins.			
209.2	214.6			CHL1	CAL1
		Patchy bleaching around veins.			
214.6	219.7			CHL1	
		Per Cl alteration of mafic minerals.			
219.7	225.4		BIO1	CHLt	CAL1
		Purplish patches - Bi? Trace Cl mostly around Ca veins.			
225.4	237.1		BIOt	CHL1	CAL1 SIL1
		Per Cl and Si. Trace patchy Bi, not continuous. Ca veins. Possible albitization @ 229.54 m with increased pyrite.			
237.1	240.0		BIO1	CHL1	CAL1
		Patchy Bi, slightly purplish, cut by Ca-Cl veins. Cl around Ca veins.			
240.0	244.9		BIOt	CHLt	CAL1 SIL1
		Patchy bleaching associated with Ca veins? Trace Bi in bleached zones.			
244.9	246.8			CHL1	CAL1 SIL1
		Weak bleaching. Cl per and around Ca veins.			
246.8	262.5		BIO1	CHL1	CAL1 SIL1
		Purplish patches occurring with Bi. Cl around Ca veins, often assoc with sulphides. Ca-Cl veins cut Bi (purple patches).			
Mineralization					
64.3	69.8	Trace to 0.1% py and po clots, most along veins.			
69.8	107.4	Trace py and po clots, also clots in veins.			
107.4	109.5	~0.1% py and po clots assoc with Cl in veins, exhibiting strain. disseminated magnetite.			
109.5	114.7	Trace py and po clots.			
114.7	116.5	0.1% py and po clots, slightly strained, some aligned with veins along core axis.			
116.5	120.4	0.5-2% po and py clots - along veins. Py within quartz-Ca vein but direction of strain of py crystals isn't the same (they are along core axis).			
120.4	122.0	0.1-0.5% clots py and po. Py along Ca-Cl veins but assoc with Cl only.			
122.0	126.2	Trace to 0.1% py and po clots, slightly strained, assoc with Cl.			

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H444802	130.66	132.66	2.00	0.03		0.22		4.1	0.03	
H444803	132.66	134.66	2.00	0.045		0.33		6	0.045	
H444804	134.66	136.68	2.02	0.032		0.37		3.6	0.032	
H444805	136.68	138.68	2.00	0.025		0.3		3.9	0.025	
H444806	138.68	140.56	1.88	0.072		0.29		5.9	0.072	
H444807	140.56	142.50	1.94	0.155		0.27		5.4	0.155	
H444808	142.50	144.50	2.00	0.018		0.2		4.7	0.018	
H444809	144.50	146.30	1.80	0.012		0.14		5.8	0.012	
H444811	146.30	147.78	1.48	0.008		0.11		4.6	0.008	
H444812	147.78	149.78	2.00	0.02		0.13		3	0.02	
H444813	149.78	151.78	2.00	0.06		0.24		5.7	0.06	
H444814	151.78	153.78	2.00	0.031		0.16		3.4	0.031	
H444816	153.78	155.78	2.00	0.021		0.14		8.8	0.021	
H444817	155.78	157.78	2.00	0.038		0.24		6.6	0.038	
H444818	157.78	159.84	2.06	0.018		0.26		7	0.018	
H444819	159.84	161.84	2.00	0.126		0.18		3.2	0.126	
H444820	161.84	163.12	1.28	0.272		0.3		4.6	0.272	
H444821	163.12	164.89	1.77	0.047		0.23		6.3	0.047	
H444822	164.89	166.57	1.68	0.122		0.25		8	0.122	
H444824	166.57	168.57	2.00	0.032		0.3		11.3	0.032	
H444825	168.57	170.57	2.00	0.037		0.18		5.2	0.037	
H444826	170.57	172.57	2.00	0.012		0.27		9	0.012	
H444827	172.57	174.57	2.00	0.017		0.19		7.5	0.017	
H444828	174.57	176.57	2.00	0.048		0.23		6.4	0.048	
H444829	176.57	178.57	2.00	0.043		0.25		7.8	0.043	
H444831	178.57	180.57	2.00	0.039		0.19		7.7	0.039	
H444832	180.57	182.00	1.43	0.083		0.25		4.9	0.083	
H444833	182.00	184.00	2.00	0.289		0.26		5	0.289	
H444834	184.00	186.31	2.31	0.174		0.34		4.8	0.174	
H444835	186.31	188.31	2.00	0.219		0.33		4.2	0.219	
H444837	188.31	190.31	2.00	0.248		0.29		6.9	0.248	
H444838	190.31	192.31	2.00	0.143		0.27		6	0.143	
H444839	192.31	194.31	2.00	0.032		0.2		5.5	0.032	
H444840	194.31	196.31	2.00	0.032		0.17		5.6	0.032	
H444841	196.31	198.39	2.08	0.067		0.23		3.9	0.067	
H444842	198.39	199.90	1.51	0.064		0.23		4.6	0.064	
H444844	199.90	201.90	2.00	0.036		0.19		3.7	0.036	

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description
126.2	128.7	0.1-0.5% py, disseminated and in clots assoc with Cl along veins, often clots in Ca vein selvages.		
128.7	146.3	Trace py and po clots along Ca veins assoc with Cl. High strain from 140.06-140.56 m, up to 2% py in strained clots.		
146.3	147.8	0.1-0.5% py in small clots and veins with minor disseminated.		
147.8	182.0	Trace py and po clots, up to 1% in higher strain areas (150.47-150.65 m, py and po along veins) - sulphides often assoc with Cl		
182.0	185.1	0.1% py and po clots, concentrated along Ca veins but not with Ca, assoc with Cl?		
185.1	197.0	Trace py and po clots along Ca veins.		
197.0	198.4	0.5% py and po clots along qtz-Ca veins, some ~ parallel to core axis.		
198.4	207.0	Trace py and po clots, clusters of sulphide crystals in Cl-Ca patches.		
207.0	208.6	0.1-0.5% py - small clots around Ca veins.		
208.6	224.0	Trace py and po clots assoc with Cl in veins.		
224.0	225.4	0.1% py and po. Strained clots and fracture lining.		
225.4	230.3	Trace py and po clots within veins. More abundant clots associated with possible albitization(?) @ 229.54 m.		
230.3	233.1	0.1% py and po clots and within veins.		
233.1	241.7	Trace py and po clots around Ca-Cl veins. Assoc with Cl.		
241.7	243.3	0.5-2% py clots in veins assoc with Cl?		
243.3	246.8	Trace py and po clots in veins.		
246.8	248.7	0.5-1% py and po clots, py in veins, po assoc with Bi?		
248.7	249.7	1-3% py and po clots around veins and strained.		
249.7	254.9	0.1-0.5% py veins and clots. Po clots. Py also assoc with Cl along edge of Cl veins (e.g. 250.22 m).		
254.9	256.8	1-4% py clots along fractures assoc with Cl or Bi or both?		
256.8	262.5	0.5-1% py and po clots assoc with Bi patches.		

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H444845	201.90	203.35	1.45	0.124		0.24		3.7	0.124	
H444846	203.35	205.42	2.07	0.023		0.21		6.4	0.023	
H444847	205.42	206.95	1.53	0.03		0.17		4.3	0.03	
H444848	206.95	208.57	1.62	0.057		0.17		2.5	0.057	
H444849	208.57	210.57	2.00	0.056		0.15		4.4	0.056	
H992001	210.57	212.57	2.00	0.112		0.13		4	0.112	
H992002	212.57	214.62	2.05	0.031		0.14		5.2	0.031	
H992003	214.62	216.62	2.00	0.021		0.16		6.3	0.021	
H992005	216.62	218.62	2.00	0.029		0.12		5.3	0.029	
H992006	218.62	219.65	1.03	0.059		0.15		7.5	0.059	
H992007	219.65	221.65	2.00	0.086		0.3		4.3	0.086	
H992008	221.65	224.00	2.35	0.081		0.32		10	0.081	
H992010	224.00	225.39	1.39	0.12		0.35		9.8	0.12	
H992011	225.39	227.39	2.00	0.026		0.19		4.9	0.026	
H992012	227.39	229.39	2.00	0.019		0.25		4	0.019	
H992013	229.39	231.39	2.00	0.357		0.37		4.1	0.357	
H992014	231.39	233.45	2.06	0.2		0.31		5.2	0.2	
H992015	233.45	235.45	2.00	0.036		0.26		6.8	0.036	
H992016	235.45	237.07	1.62	0.033		0.18		7.4	0.033	
H992018	237.07	238.50	1.43	0.6		0.45		7.4	0.6	
H992019	238.50	240.00	1.50	0.026		0.18		10.1	0.026	
H992020	240.00	241.69	1.69	0.09		0.26		7.4	0.09	
H992021	241.69	243.30	1.61	0.052		0.27		7.9	0.052	
H992022	243.30	244.87	1.57	0.028		0.21		5	0.028	
H992023	244.87	246.77	1.90	0.066		0.3		8.4	0.066	
H992025	246.77	248.65	1.88	0.271		0.71		11	0.271	
H992026	248.65	249.65	1.00	0.316		0.85		10.9	0.316	
H992027	249.65	251.65	2.00	0.243		0.72		12.9	0.243	
H992028	251.65	253.47	1.82	0.502		0.82		13.1	0.502	
H992029	253.47	254.88	1.41	0.154		0.47		10.8	0.154	
H992031	254.88	255.88	1.00	0.244		0.55		8.8	0.244	
H992032	255.88	256.84	0.96	0.624		1.12		11	0.624	
H992033	256.84	258.84	2.00	0.169		0.7		12.3	0.169	
H992034	258.84	260.84	2.00	0.641		1.1		18.5	0.641	
H992035	260.84	262.48	1.64	0.475		0.97		10.8	0.475	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
262.48	271.64			4	Gabbro

Gabbro. Medium grained. Grey-green or grey-brown colour due to chlorite or biotite alteration. Moderate to strong patchy biotite alteration has made it difficult to see primary textures. Locally, primary textures have been completely destroyed and rock appears finer grained. Massive. Coherent texture is still visible. Gradational contacts with the less altered gabbro.

Alteration

262.5	264.2	BIO3	CHL1	CAL1	SIL1

Bi is strong and in patches - slightly strained. Cl patchy, cutting Bi patches and occurring around Ca.

264.2	265.2	BIOt	CHL1		

Py assoc with Cl

265.2	268.3	BIO2	CHL2	CAL2	

Sulphides assoc with Cl, occasionally with Bi. Ca in irregular veins and patches.

268.3	271.6	BIO2	CHL1	CAL1	

Bi patches are slightly strained. Cl appears to be background alteration. Ca veins cut both Bi and Cl.

Mineralization

262.5	267.8	2-5% py, minor po. Clots. Slight strain. Assoc with Cl and Bi.
267.8	270.6	1-3% py clots, minor po. Slight strain. More sulphides associated with Cl rather than Bi.
270.6	271.6	0.1% py and po clots. Loc up to 1% around veins and strain.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H992036	262.48	263.48	1.00	1.02		1.39		19.2	1.02	
H992038	263.48	264.48	1.00	0.762		1.6		15.2	0.762	
H992039	264.48	265.18	0.70	0.443		1		7.8	0.443	
H992040	265.18	266.34	1.16	1.39		1.52		15.2	1.39	
H992041	266.34	267.75	1.41	0.369		1.12		16	0.369	
H992042	267.75	268.75	1.00	0.18		0.83		13.9	0.18	
H992043	268.75	269.75	1.00	0.354		0.98		7.7	0.354	
H992045	269.75	270.61	0.86	1.06		0.95		9.4	1.06	
H992046	270.61	271.64	1.03	0.198		0.72		11.7	0.198	

From (m)	To (m)	Geological Description	Formation Name	Litho Code	Litho Description
271.64	289.19			4	Gabbro

Medium grained gabbro. Coherent interlocking crystals and patchy disseminated magnetite and ilmenite. Slight bleaching. Where alteration or bleaching is more intense, it is difficult to identify primary textures.

Alteration

271.6	276.4	BIO1	CHL2	CAL1	

Local, patchy Bi. Cl per alteration of mafic minerals. Ca in veins - large planar vein from 274.62 to 274.83 m.

276.4	281.4		CHL1	CAL1	SIL1

Patchy bleaching around magnetite/ilmenite crystals. Cl background alteration and patchy around veins, cutting bleaching.

281.4	289.2		CHL2	CAL1	SIL1

Per Cl background with more intense Cl around veins cutting background alteration. Large Ca vein from 286.56 to 286.73 m. Cl within the vein.

Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
H992047	271.64	273.64	2.00	0.026		0.23		8.2	0.026	
H992048	273.64	275.64	2.00	0.104		0.37		9.3	0.104	
H992049	275.64	277.64	2.00	0.139		0.55		6.5	0.139	
H992051	277.64	279.65	2.01	0.189		1.02		8.8	0.189	
H992052	279.65	281.42	1.77	0.524		0.83		8.2	0.524	
H992053	281.42	283.42	2.00	0.146		0.72		4.6	0.146	
H992054	283.42	285.00	1.58	0.124		0.58		1.4	0.124	
H992055	285.00	286.48	1.48	0.032		0.43		1.9	0.032	
H992056	286.48	288.00	1.52	0.071		0.59		7	0.071	
H992058	288.00	289.19	1.19	0.228		0.78		3	0.228	

From (m)	To (m)	Geological Description Formation Name	Litho Code	Litho Description	Field No	FROM	TO	INT. (m)	Au ICP ppm	Au Assay ppm	Ag ICP ppm	Ag Assay ppm	As ICP ppm	Au Plot ppm	As Plot ppm
		Mineralization													
	271.6	278.1 Same as 270.61 to 271.64 m.													
	278.1	280.5 0.1-1% py and po clots. Py clots in veins with Cl.													
	280.5	286.5 0.1-0.5% py and po clots assoc with Cl or Bi. Slight strain.													
	286.5	289.2 0.1-2% py and po clots, assoc with Bi?													
289.19	290.48		6	**Mafic Dyke**	H992059	289.19	290.48	1.29	0.003		0.2		2.8	0.003	
		Quartz-bearing diorite dyke. Composed of plagioclase feldspar and biotite with lesser quartz. Plagioclase and biotite crystals are interlocking, but quartz appears as rounded phenocrysts. Biotite slightly altered to chlorite. Massive. Sharp contacts with the gabbro.													
		Alteration													
	289.2	290.5 CHL1 CALt													
		Cl after Bi. Trace interstitial Ca.													
		Mineralization													
	289.2	290.5 No mineralization.													
290.48	293.00		4	**Gabbro**	H992060	290.48	293.00	2.52	0.018		0.29		10	0.018	
		Gabbro. Medium grained. See 271.64 to 289.19 m.													
		Alteration													
	290.5	292.3 CHL3 CAL2													
		Patchy Ca and Cl with Ca cutting Cl?													
	292.3	293.0 BIO1 CHL1 CAL1													
		Patchy Bi. Cl patches around Ca veins.													
		Mineralization													
	290.5	292.3 0.1% py clots assoc with Cl.													
	292.3	293.0 Trace py and po clots.													

Appendix I
Surface Sampling & Trenching - Sample Descriptions

N.T.S. 052F/07

January 13, 2009

Teck

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Mineralization	Sulphide %
G131582	534535	5470653	Channel	TB08108649	Conglomerate		Py, Po	5
G131583	534541	5470658	Channel	TB08108649	Conglomerate		Py	2
G131585	534535	5470686	Channel	TB08108649	Conglomerate		Py	5
G134050	533945	5471349	Channel	TB08144208	meta seds		0.05, py+/-po, sulphides mod mag	5%
G134047	533941	5471345	Channel	TB08144208	fg mafic		0.05, py, sulphides	5%
G134073	533995	5471309	Channel	TB08144208	gabbro		trace, py, sulphides non-mag	trace
G134069	533972	5471331	Channel	TB08144208	gabbro		trace, py, sulphides mod mag	trace
G134048	533942	5471343	Channel	TB08144208	meta seds		1-3%, py+/-po, sulphides locally mod mag	1-3%
G134059	533989	5471328	Channel	TB08144208	fg mafic		1-3% py, 5-10% po, py, po, sulphides mod mag	1-3% py, 5-10% po
G134064	533992	5471327	Channel	TB08144208	fg mafic		3-5% py, py, sulphides non-mag	3-5% py
G134067	533996	5471312	Channel	TB08144208	gabbro		0.01, py, sulphides non-mag	1%
G134052	533957	5471337	Channel	TB08144208	fg mafic		trace py, 1% po, py+/-po, sulphides locally weak mag	trace py, 1% po
G134046	533942	5471345	Channel	TB08144208	fg mafic		1-3%, py, sulphides non-mag	1-3%
G134049	533942	5471344	Channel	TB08144208	meta seds		0.03, py, sulphides non-mag	3%
G134060	533990	5471329	Channel	TB08144208	fg mafic		trace-5% py, 3% po, py, po, sulphides mod mag	trace-5% py, 3% po
G134063	533993	5471327	Channel	TB08144208	fg mafic		5-10%, py, sulphides non-mag	5-10%
G134051	533955	5471339	Channel	TB08144208	fg mafic		trace, py, sulphides non-mag	trace
G134053	533456	5471339	Channel	TB08144208	fg mafic		5% py, 20% po, py, po, sulphides weak-mod mag	5% py, 20% po
G134054	533961	5471338	Channel	TB08144208	fg mafic		trace py, +/-po, py, po, sulphides non-mag	trace py, +/-po
G134056	533981	5471328	Channel	TB08144208	fg mafic		trace, py, sulphides non-mag	trace
G134057	533980	5471329	Channel	TB08144208	fg mafic		trace, py, sulphides non-mag	trace
G134058	533981	5471330	Channel	TB08144208	fg mafic		trace - 1%, py, sulphides non-mag	trace - 1%
G134061	533989	5471327	Channel	TB08144208	fg mafic		5% py, py, po, sulphides mod-strong mag	5% py
G134062	533991	5471327	Channel	TB08144208	meta seds		5% py, py+/-po, sulphides patchy weak mag	5% py
G134065	533989	5471314	Channel	TB08144208	fg mafic		0.05, py, sulphides weak mag	5%
G134066	533994	5471315	Channel	TB08144208	fg mafic		3-5%, py, sulphides non-mag	3-5%
G134068	533969	5471332	Channel	TB08144208	gabbro		trace, py, sulphides mod mag	trace
G134070	533975	5471331	Channel	TB08144208	gabbro		trace, py, sulphides mod mag	trace
G134071	533975	5471328	Channel	TB08144208	gabbro		trace - 1%, py, sulphides mod	trace - 1%
G134045	533940	5471345	Channel	TB08144208	fg mafic		trace, py, sulphides non-mag	trace

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Mineralization	Sulphide %
G131559	534343	5470992	Channel	TB08088613	mafic		diseminated and fractures that may contain tr py	0.5%
G134044	533938	5471349	Channel	TB08144208	fg mafic		trace, py, sulphides non-mag	trace
G134055	533958	5471333	Channel	TB08144208	fg mafic		1-3% py, py+/-po, sulphides mod mag	1-3% py
G131560	534343	5470994	Channel	TB08088613	mafic		diseminated and fractures that may contain tr py	0.5%
G131584	534539	5470658	Chip	TB08108649	Conglomerate			10
G131551	534491	5469936	Grab	TB08079452	f.g. mafic	Cl pervasive 3, Bi pervasive 1,	py in vein and diseminated	10
G131552	534415	5469678	Grab	TB08079452	f.g. mafic	Bi patchy 3, ,	magnitic veinlets <.5mm, density 3 / 10cm	1
G131553	534393	5471208	Grab	TB08079452	conglomerate	bi pervasive 2, cl pervasive 2,	weakly magnetic	1
G131554	534300	5469766	Grab	TB08079452	fg mafic	Bi pervasive 2, cl pervasive 2,		5
G131555	534396	5471195	Grab	TB08079452	conglomerate	bi patchy 3, cl pervasive 2,	qz pheric conglomerate with subrounded clasts	1
G131556	534144	5471547	Grab	TB08079452	fine grained mafic		fine grained (intd to mafic rock)	1
G131557	534011	5471422	Grab	TB08079452	f.g. mafic	cl pervasive 2, bi patchy 3,		5
G131558	534193	5471265	Grab	TB08079452	m.g. mafic	bi patchy 3, si pervasive 2,		5
G131561	533878	5469942	Grab	TB08088613	mafic volanics		white quartz vein with inclusions of cl altered wall rock and little pyite (bull qz vein?)	0.5
G131562	533921	5469657	Grab	TB08088613	fg mafic	bi local patch 3, si local 3, cl background 2	dismeinated py fg assocated with qfp dike	10
G131564	533955	5469719	Grab	TB08088613	fg mafic		si altered mafic?	7
G131565	533664	5469628	Grab	TB08088613	f.g. mafic		py as cubes and as blebs	tr
G131566	533666	5469622	Grab	TB08088613	f.g. mafic		fe-cb + qz (py found as cubes)	tr
G131567	533600	5469726	Grab	TB08088613	f.g. mafic		silisified zone 30cm X3m long open along strike sulphides as bands of m.g. blebs	1
G131568	533622	5469754	Grab	TB08088613		bi patchy 4, si pervasive 3,	course grained back mineral (didn't get a good look) could be Bi	1
G131569	533712	5469927	Grab	TB08088613	mafic pillows	bi patchy 3, si pervasive 4,	fine grained sulphides near quartz vein	1
G131570	533731	5469919	Grab	TB08088613	mafic pillows	bi patchy 4, si pervasive 5,	few sulphides found in bi patches	1
G131571	533777	5471766	Grab	TB08088613		bi patchy 3, si pervasive 4,	vy fine desaminated py through this rock	2

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Mineralization	Sulphide %
G131572	533656	5470172	Grab	TB08088613	med fine grain mafic		py, po(?)	<1%
G131573	533725	5470100	Grab	TB08088613	fine grain mafic (pillow?)		py, po(?)	0.01
G131574	533663	5470065	Grab	TB08088613	fine grain mafic pillow		py, po(?)	<1%
G131575	533389	5470126	Grab	TB08087981	fg mafic		diseminated and veins of sulphides	5
G131576	533355	5469929	Grab	TB08087981			pervasive bi alteration and sulphides in continous veins	10
G131577	533656	5470172	Grab	TB08087981	polymictic conglomerate		as small blebs and as large 1cm blebs with po replacing py	5
G131578	534524	5470711	Grab	TB08087981	conglomerate (mafic matrix)		sulphides found disminated with clasts and matrix bi cl and ca altered	10-15%
G131580	534300	5471621	Grab	TB08108649			py found as fine grained and as cubes	10-15%
G131581	534532	5470648	Grab	TB08108649	Conglomerate			5
G131586	534307	5471581	Grab	TB08108649	Mafic Meta-Sandstone	Biotite patchy Moderate (3), ,	Py, +/-Po	5
G131587	534310	5471576	Grab	TB08108649	Mafic Meta-Sandstone	Biotite patchy Moderate (3), Silicification pervasive v. weak (1), chlorite pervasive v. weak (1)	Py, +/-Po	5
G131588	534313	5471573	Grab	TB08108649	Mafic Meta-Sandstone	Biotite patchy Moderate (3), Silicification pervasive v. weak (1), chlorite pervasive v. weak (1)	Py	5
G131589	534316	5471586	Grab	TB08108649	Mafic Meta-Sandstone	Biotite patchy Moderate (3), Silicification pervasive v. weak (1),	Py	5
G131590	534322	5471560	Grab	TB08108649	Mafic Meta-Sandstone	Biotite patchy Moderate (3), Silicification pervasive weak (2),	Py	5
G131591	534308	5471559	Grab	TB08108649	Mafic Meta-Sandstone	Biotite patchy Moderate (3), Silicification pervasive weak (2),	Py	5
G131592	534329	5471524	Grab	TB08108649	Mafic Meta-Sandstone	Biotite patchy Moderate (3), Silicification pervasive weak (2),	Py	5

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Mineralization	Sulphide %
G131593	536192	5470711	Grab	TB08108649	Fg Mafic Volcanic	Biotite patchy v. weak (1), Silicification pervasive v. weak (1), chlorite pervasive	Py	5
G131594	536101	5470690	Grab	TB08108649	Fg Mafic Volcanic	Biotite patchy v. weak (1), Silicification pervasive v. weak (1),	Py, +/- Po	1
G131595	534092	5471327	Grab	TB08115416	fg mafic			2
G131596	534232	5471300	Grab	TB08115416	fg mafic	si pervasive 3, cl pervasive 3, bi loc. 2	fg mafic black in color si 2, cl 5, loc st magnetic	15
G131597	534330	5471450	Grab	TB08115416	polymictic conglomerate	cl overprinting bi 4, At overprinting bi 3, Bi perv 3	polymictic conglomerate with clasts replaced by py and po with fg disiminate py in matrix	5
G131598	534202	5471264	Grab	TB08115416	homogenous mg mafic	si pervasive 3, cl 3,	homogenouc mg mafic rock (edge of intrusion?)	5
G131599	534333	5471203	Grab	TB08115416	homogenous mg mafic rock	bi pervasive 2, cl overprinting bi 2, si perv 2	relatively homogenouc mg mafic rock , part of gabbro intrusion	3
G131600	534324	5471389	Grab	TB08115416	sediment	bi pervasive 3, cl overprinting bi 3, at overprinting bi 3	good Si Bi altered sediment with fg belbs of py throught rock	3
G131601	534243	5470796	Grab	TB08098404	Fg Mafic volcanic			5
G131602	534324	5470749	Grab	TB08098404	Fg Mafic Volcanic	Gossan patchy Moderate (3), Biotote patchy Strong (4),	Py, Cpy, Patchy, disseminated, Also some sulphides in carbonate veinlets.	8
G131603	534384	5470601	Grab	TB08098404	Fg Mafic Volcanic	Gossan patchy Moderate (3), Silicification selectively pervasive Moderate (3), Biotite patchy Moderate (3)	Py, Po, +/- Cpy, bornite(?), patchy, veinlets, Sulphides range in % throughout outcrop however there are patchy clusters of Py and Po with small veinlets of Cpy +/- bornite.	15
G131604	534335	5470656	Grab	TB08098404	Fg Mafic Volcanic	Gossan patchy Moderate (3), Silicification selectively pervasive Strong (4), Biotite patchy weak (2)	Py, Po, Cpy, patchy, disseminated, veinlets,	5
G131605	534299	5470733	Grab	TB08098404	Vfg Mafic Volcanic	Gossan patchy Weak (2), Silicification selectively pervasive v. strong (5), Biotite patchy strong (4)	Py, patchy, veinlets, fg, subhedral to euhedral Py	10
G131606	534532	5470681	Grab	TB08098404	Conglomerate	Gossan patchy Weak (2), biotite patchy weak (2),	Py +/- Po, patchy,	1

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Mineralization	Sulphide %
G131607	534528	5470687	Grab	TB08098404	Conglomerate	Gossan patchy Weak (2), Biotite patchy weak (2),	Py, +/- Po, patchy, Fg, subhedral	1
G131608	534410	5470654	Grab	TB08098404	Fg Mafic Volcanic	Gossan patchy Strong (4),	Py, patchy/disseminated, subhedral	3
G131609	534528	5470574	Grab	TB08098404	Conglomerate	Gossan patchy Weak (2), Biotite patchy Moderate (3), Silicification selectively pervasive weak (2)	Py, +/- CPy, disseminated/veinlets, subhedral	5
G131611	534670	5470528	Grab	TB08108649	Mafic Meta-Sandstone	Gossan patchy Weak (2), Biotite patchy v. weak (1),	Py, +/- CPy, patchy, also some clasts that have been replaced by sulphides/gossan.	1
G131612	534538	5470413	Grab	TB08108649	Fg Mafic Volcanic	Gossan patchy Moderate (3), biotite patchy v. weak (1),	Py, Po, veinlets/fractures, unevenly distributed, Py with minor Po. Py is subhedral to euhedral.	5
G131613	534467	5470553	Grab	TB08108649	Fg Mafic Volcanic	Gossan patchy Weak (2), biotite patchy weak (2),	Py, Po, patchy, Very fine grained sulphides	2
G131614	533969	5471541	Grab	TB08108649	gabbro?	bi banded 5, cl pervasive 3, si pervasive 2	pyrite deseminated and 10% of unidentifed black opaue mineral	10
G131615	533877	5471573	Grab	TB08108649	gabbro		qz vein + wall rock, vein dead but sulphides in chloritized selvage	tr
G131616	533920	5471588	Grab	TB08108649	gabbro but alteration reduces grain size to mg	bi patchy 4, cl cutting bi 3, si 2	si bi cl altered, 2% py+po blebs and 1% vy fg py	3
G131617	533872	5471478	Grab	TB08108649	gabbro primary textures distroyed		si 3, ca 3, cl 3 bi 2	2
G131618	533872	5471478	Grab	TB08108649	gabbro primary textures distroyed		py in veinlets and si 3 ca 1 cl 4 bi 3	5
G131619	533779	5471511	Grab	TB08108649	gabbro	cl pervasive 3, si pervasive 4, bi pervasive 4	1cm py veins , and as py blebs throughout rock	5
G131620	533783	5471516	Grab	TB08108649	gabbro		intense bi and si alteration and assocated sulphides	10
G131621	533771	5471530	Grab	TB08108649	gabbro	Cl pervasive 3, si pervasive 3, bi pervasive 3	mg to fg po	10
G131622	533768	5471312	Grab	TB08108649	m.g. mafic	cl patchy 4, bi patchy 3, si local crosscut cl an bi 3	at contact with FP dike intense si alteration cross cutting bi and cl alteration	10

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Mineralization	Sulphide %
G131624	533881	5471469	Grab	TB08108649		si 5, bi patchy 4, cl 4	silisified zone with anastamosing contact cl 4 si5 bi 3 and at present	5
G131625	533881	5471469	Grab	TB08108649			silisified zone with anastamosing contact cl 4 si5 bi 3 and at present	1
G131626	533976	5471463	Grab	TB08108649		si 4, bi patchy 4, cl veins 3	silicified zone (selvage) near quartz vein	tr
G131627	533965	5471446	Grab	TB08108649		cl background 1, bi pervasive 3, si per 2	vein with bi 3 and si 2 cl1	1 to 2
G131628	533929	5471363	Grab	TB08108649		si pervasive 4, bi pervasive 4,	number of 0.5cm elongate blebs	1
G131629	534075	5471361	Grab	TB08108649		bi 2, si 3,	fg mafic rock, with py as 2mm disseminated blebs, well jointed	1
G131630	534023	5471355	Grab	TB08108649		bi loc 3, cl 5, si pervasive 4	very fine grained sulphides, bi loc 5, cl4, si 4	5
G131631	534017	5471359	Grab	TB08108649			fg mafic highly altered bi 4, cl, at 4 with both alteration types having sulphides	2
G131632	534013	5471326	Grab	TB08108649			fg mafic highly altered bi 3 cl 3 po and py as veinlets as well as disseminated	7
G131633	534607	5470530	Grab	TB08108649	Fg Mafic Volcanic	Gossan patchy Weak (2), Silicification pervasive weak (2), Biotite patchy weak (2)	Py, disseminated/veinlets, subhedral, very fine grained	1
G131634	534700	5470426	Grab	TB08108649	QFP	Gossan patchy Weak (2),	Py, patchy/disseminated, subhedral	2
G131635	534681	5470322	Grab	TB08108649	Fg Mafic Volcanic	Gossan patchy Strong (4),	Py, patchy/disseminated, subhedral	3
G131636	534699	5470343	Grab	TB08108649	Fg Mafic Volcanic	Gossan patchy Weak (2), biotite patchy v. weak (1),	Py +/- Po, patchy/disseminated, subhedral, very fine grained	2
G131637	534422	5470308	Grab	TB08117012	Conglomerate	Gossan patchy Weak (2),	Py, patchy/disseminated, subhedral, fine grained.	1
G131638	534269	5470697	Grab	TB08117012	Fg Mafic Volcanic	Biotite patchy Weak (2), carbonate veinlets/patchy weak (2),	Po, Py, patchy/veinlets, Patchy Po with tr py veinlets. Very fine grained, hard to ID habit.	2
G131675	534432	5471364	Grab	TB08098403	Conglomerate	Biotite patchy v. weak (1), Chlorite pervasive weak (2), Silicification pervasive weak (2)	Pyrite, Disseminated, Py is subhedral ~0.2-1mm	5

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Mineralization	Sulphide %
G131676	534457	5471351	Grab	TB08098403	Conglomerate	Biotite patchy v. weak (1), Chlorite pervasive weak (2), Silicification pervasive weak (2)	Pyrite, Disseminated, Py is subhedral ~0.2-1mm	3
G131677	534395	5471347	Grab	TB08098403	Mafic Meta-sandstone	Gossan patchy v. weak (1), Silicification pervasive Moderate (3),	Py, Cpy, Po(?), Patchy, disseminated, Subhedral	
G131678	534468	5471347	Grab	TB08098403	Meta-sandstone	Gossan patchy Strong (4), Biotote Patchy Strong (4),	Py, +/- Cpy, Disseminated, Some blueish oxidation (cpy?)	5
G131679	534451	5471331	Grab	TB08098403	qtz and plag rich meta-sandstone	Gossan patchy Strong (4), Biotote Patchy Moderate (3),	Py, Patchy, disseminated, Subhedral to euhedral	6
G131680	534449	5471299	Grab	TB08098403	Meta-sandstone	Gossan patchy Moderate (3), Biotote Patchy weak (2),	Py, +/- Cpy, Patchy, disseminated, Subhedral to euhedral	10
G131681	534469	5471240	Grab	TB08098403	medium grained mafic volcanic	Gossan patchy Strong (4), Biotote Patchy Moderate (3),	Py, Disseminated, Subhedral	1
G131682	534463	5471201	Grab	TB08098403	meta-sandstone (?)	Silicification pervasive v. weak (1), ,	Py, Patchy, disseminated, Subhedral	10
G131683	534463	5471332	Grab	TB08098403	Mafic Meta-Sandstone	Gossan pervasive V. Strong (5), Biotote Patchy Strong (4), Silicification pervasive Moderate (3)		1
G131684	534381	5471343	Grab	TB08098403	Mafic Meta-sandstone	Gossan patchy Weak (2), Silicification pervasive v. weak (1),	Py, Disseminated, subhedral, percentage varies throughout (1 to 3%)	3
G131686	534361	5471175	Grab	TB08108649	Mafic Meta-sandstone	Biotite patchy Weak (2), Gossan Patchy weak (2), Silicification pervasive weak (2)	Py, Patchy, disseminated, Subhedral	8
G131687	534443	5471115	Grab	TB08098403	Intermediate meta-sandstone	Gossan patchy Weak (2), ,	Po, Cpy, +/- Py, blebs, disseminated, Blebs rounded and doninantly Po with some Cpy intermixed. Also, finely disseminated Po and Cpy (+/- Py)	3
G131688	534379	5471023	Grab	TB08098403	Fg Mafic volcanic	Gossan Patchy Weak (2), Silicification pervasive v. weak (1),	Po, Py, Patchy, disseminated, Po is anhedral and Py was subhedral.	3
G131689	534396	5471043	Grab	TB08098403	Mafic volcanic	Gossan patchy Strong (4), Silicification pervasive Moderate (3),	Py, Patchy, disseminated, Fg, subhedral Py concentrate in small shears in the mafic meta-sediments	3

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Mineralization	Sulphide %
G131690	534357	5470964	Grab	TB08098403	Fg Mafic volcanic	Gossan patchy Moderate (3), Silicification pervasive weak (2), Biotite patchy v. weak (1)	Py, Disseminated, subhedral Py	Trace
G131691	534342	5471119	Grab	TB08098403	Mafic Meta-sandstone	Gossan patchy v. weak (1), ,	Py, Disseminated, 0.1-0.5mm subhedral pyrite. Thin mafic sed unit between 2 QP-type units	1
G131692	534458	5471119	Grab	TB08098403	Mafic Meta-sandstone	Silicification pervasive moderate (3), Biotite patchy weak (2),	Py +/- Po, along veinlets/fractures, Subhedral fg Pyrite	1
G131693	534466	5471088	Grab	TB08098403	Intermediate to felsic meta-sandstone	Gossan patchy moderate (3), Chlorite veins moderate (3),	Py, Patchy, Patchy euhedral to subhedral Py. Concentrated near contact between metased and conglomerate	3
G131695	534443	5470827	Grab	TB08098403	Fg Mafic volcanic (possibly metased)	Silicification pervasive weak (2), Gossan patchy weak (2),	Py +/- Po, Patchy, disseminated, Subhedral	2
G131696	534500	5470918	Grab	TB08098403	Quartz porphyry (possibly conglomerate)	Gossan patchy weak (2), Sericite selectively pervasive weak (2),	Py (?), Patchy, Hard to ID as all of the sulphides have oxidized. Sample taken as outcrop had some very gossanous patched.	Trace
G131697	534530	5470817	Grab	TB08098403	Patchy, fine grained, subhedral 'blebs' (~0.5-0.8cm)	Gossan patchy Strong (4), ,	Py, Patchy, Patchy, fine grained, subhedral Py in small 0.5-0.8cm clusters	3
G131698	534378	5470674	Grab	TB08098403	Conglomerate	Gossan patchy Weak (2), ,	Py, patchy, subhedral	2
G131699	534549	5470856	Grab	TB08098403	Fg Mafic Volcanic	Gossan patchy Moderate (3), Silicification selectively pervasive Strong (4), Biotite patchy weak (2)	Py, Po, +/- Cpy, bornite(?), patchy, Patchy blebs of subhedral sulphides	5
G131700	534374	5470629	Grab	TB08098403	Fg Mafic Volcanic	Gossan patchy Weak (2), Silicification selectively pervasive Moderate (3), Biotite patchy weak (2)	Py, patchy, subhedral	2
G131701	533740	5469693	Grab	TB08088613	FG mafic volcanic	Small 1-3mm epidote, quartz veins on fresh surface. Moderatly silcious, moderate biotite alteration in patches..	FG mafic volcanic, aphanetic, massive.	1% Py

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Mineralization	Sulphide %
G131702	533777	5469748	Grab	TB08088613	FG mafic volcanic	Strongly silicified, weak biotite (patches), epidote blebs (possible associated with silicified fractures).	FG mafic volcanic, aphanetic, massive.	1-2% Py
G131703	533854	5469659	Grab	TB08088613	FG mafic volcanic	Weakly silicified, and weak biotite alteration in patches.	FG mafic volcanic, aphanetic ground, massive.	3% Py
G131704	533932	5469708	Grab	TB08088613	FG mafic volcanic	Moderatly silicious and strong biotite alteration.	FG mafic volcanic, aphanetic ground mass, massive.	5% Py, Tr. Po
G131705	533954	5469616	Grab	TB08088613	FG maffic volcanic	Strong silicification, qtz carb veins (1-2mm), epidote quartz veins 2-10 mm, patchy biotite alteration, and blebs of 1-2 mm biotite xtal or chlorite xtal alteration.	FG mafic volcanic, with visible xtal's of plag and hbl. Massive.	2-4% Py
G131706	533698	5469541	Grab	TB08088613	MG mafic volcanic (possible gabbro?) but non-mag	Moderately silicified, patchy biotite alteration and patchy coarse xtal biotite/chlorite? alteration.	MG mafic volcanic, visible xtal's of hbl (1-2mm), massive.	2-3% Py
G131707	533174	5469880	Grab	TB08088613	FG mafic volcanic		FG mafic volcanic, aphanetic, massive. Primary basaltic textures	1% Py
G131708	534159	5470922	Grab	TB08087981	conglomerate	Bi 1, Cl 2,	Polymictic conglomerate with highly altered clasts. Fine grained pyrite, disseminated.	3
G131709	533828	5471133	Grab	TB08087981	medium grained mafic	Bi patchy 1, Si pervasive 4,	Strongly silicified medium grained mafic. Patchy pyrite, also along fracture surfaces.	5
G131710	533784	5471207	Grab	TB08087981	fine grained mafic	Bi patchy 2, Si pervasive 3,	Pyrite patchy and in veinlets. Carbonate veins also contain py.	3
G131711	533546	5470623	Grab	TB08087981	Fine grained mafic	Cl patchy 3, Bi patchy 1, Si pervasive 3	Hbl + fsp, locally coarser grained.	6
G131712	533851	5469585	Grab	TB08098403	Fine grained mafic.	Bi patchy 3, Cl patchy 1,	Fine grained mafic with mineralization in veinlets and patches.	2
G131713	533898	5469657	Grab	TB08098403	Fine grained mafic.	Bi patchy 3, Cl pervasive 3,	Very weathered on surface, heavy gossan in fine grained mafic.	5
G131714	533925	5469652	Grab	TB08098403	Fine grained mafic.	Bi patchy 2, Cl patchy 2,	Very rusty at surface with 3-5% sulphide, mostly py but up to 1% po.	5

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Mineralization	Sulphide %
G131715	533955	5469580	Grab	TB08098403	Fine grained mafic.	Cl 2, Si localized next to contact 4,	Fine grained mafic immediately adjacent to contact with QFP. Parts of sample look like QFP + mafic.	10
G131716	534005	5469507	Grab	TB08098403	Fine grained mafic.	Bi banded and patchy 3, Si pervasive 3, Cl pervasive 2	Fine grained mafic with mineralization disseminated and in veins.	5
G131717	534076	5469564	Grab	TB08098403	Fine grained mafic.	Cl pervasive 2, Bi patchy 2, Si pervasive 3	5% fine and coarse grained pyrite, disseminated.	5
G131718	534618	5469721	Grab	TB08098403	Conglomerate or breccia	Si pervasive 5, ,	Clastic rock with fine grained matrix and angular fragments.	20
G131719	534493	5469741	Grab	TB08098403	Fine grained mafic	Bi patches and bands 2, Cl patchy 2,	Py disseminated and in veins in fine grained mafic.	5 to 10
G131720	534404	5469764	Grab	TB08098403	Fine grained mafic	Cl patchy 1, ,	Py occuring in fine grained mafic along fractures, in veinlets and disseminated.	3 to 5
G131721	534390	5469757	Grab	TB08098403	Fine grained mafic	Si pervasive 5, ,	Fine grained mafic with py immediately adjacent to contact with QFP dyke.	15 to 20
G131722	534043	5469926	Grab	TB08098403	Fine grained mafic	Si pervasive 2, Cl patchy 2,	Slightly gossanous fine grained mafic with 3% py, disseminated.	5
G131723	534525	5469922	Grab	TB08098403	Fine grained mafic	Si pervasive 3, ,	Gossan. Fine grained mafic with 5% py disseminated and up to 10% along fractures.	5 to 10
G131724	534344	5469747	Grab	TB08098403	Fine grained mafic	Si pervasive 3, Bi patchy 1,	Fine grained mafic with small (<1mm) mineralized quartz veins and 10-15% py disseminated.	10 to 15
G131726	534364	5469707	Grab	TB08098404	Fine grained mafic	Si pervasive 2, Bi patchy 2,	Fine grained mafic with 5-10% disseminated py. Old trench.	5 to 10
G131727	533878	5469809	Grab	TB08098404	Fine grained mafic.	Si pervasive 3, Cl patchy 2,	Slight gossan in fine grained mafic.	3
G131728	534670	5469868	Grab	TB08098404	Fine grained mafic	Si pervasive 4, Bi patchy 1,	Fine grained mafic with patchy/vein carbonate.	5 to 10
G131729	534392	5469719	Grab	TB08108649	Fine grained mafic	Bi patchy 2, Cl patchy 2, Si pervasive 3	Fine grained pyrite, disseminated and in veins. Trace chalcopyrite.	3
G131730	534270	5470223	Grab	TB08108649	Fine grained mafic	Cl pervasive 2, Si pervasive 3 to 4, Bi patchy 3	Fine grained mafic, locally coarser up to medium grained. Fine grained pyrite occurring with or close to Bi and Si alteration.	3

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Mineralization	Sulphide %
G131731	534230	5470179	Grab	TB08108649	Fine grained mafic	Bi patchy 3, Cl patchy and veins 3, Si pervasive 2	Fine grained mafic with very fine grained disseminated pyrite.	3
G131732	534188	5470207	Grab	TB08108649	Fine grained mafic	Si pervasive 4, Bi patchy 4, Cl patchy 2	Old trench, also sampled in 2007. Fine grained mafic within shear zone with pyrite disseminated and in bands.	15 to 20
G131733	534177	5470197	Grab	TB08108649	Fine grained mafic	Bi patchy 3, Cl patchy 4, Si pervasive 2	Highly weathered at surface. Fine grained mafic with patchy pyrite and randomly oriented actinolite + chlorite veins.	5 to 15
G131734	534055	5470307	Grab	TB08108649	Fine grained mafic	Si pervasive 3, Bi patchy 2, Cl patchy 2	Fine grained mafic with quartz + epidote veins and pyrite disseminated and in patches.	5 to 10
G131735	533936	5471410	Grab	TB08108649	quartz-sericite-biotite vein	Bi pervasive 4, Cl patchy and veinlets 2, Si pervasive 3	Disseminated and patchy pyrite found in gossanous quartz-sericite-biotite vein system. Locally up to 20% sulphides observed.	10 to 15
G131736	533932	5471446	Grab	TB08108649	quartz-sericite-biotite vein	Si pervasive 4, Se patchy 3,	Disseminated pyrite (some grains rusty and tarnished) from quartz-sericite-biotite vein.	15
G131737	533930	5471452	Grab	TB08108649	fine grained mafic	Bi patchy 4, Cl pervasive 1, Si pervasive 3	Disseminated and patchy pyrite in fine grained mafic gossan.	20
G131738	533934	5471442	Grab	TB08108649	quartz-sericite-biotite vein	Si pervasive 4, Bi patchy 2, Se patchy 1	Quartz-biotite-sericite vein with fine grained disseminated pyrite.	15
G131739	533933	5471442	Grab	TB08108649	quartz-sericite-biotite vein	Si pervasive 4, Bi patchy 2, Se patchy 2	Quartz-biotite-sericite vein with fine grained disseminated pyrite.	15
G131740	533999	5471313	Grab	TB08108649	fine grained mafic	Cl patchy and veins 2, Bi patchy 2,	Fine grained mafic with small chlorite veins. Weak intensity mineralization (py) disseminated.	5 to 10
G131741	533985	5471325	Grab	TB08108649	fine grained mafic	Cl patchy 2, Bi patchy 2,	Fine grained mafic with pyrite disseminated and in veinlets.	5
G131742	533991	5471318	Grab	TB08108649	fine grained mafic	Cl patchy 2, Bi patchy 2,	Fine grained mafic with fine grained disseminated pyrite.	10
G131743	533941	5471344	Grab	TB08108649	fine grained mafic	Bi patchy 2, Si pervasive 3,	Fine grained mafic with minor pyrite mineralization. Some coarse grained pyrite cubes observed.	1

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Mineralization	Sulphide %
G131744	533957	5471339	Grab	TB08108649	fine grained mafic	Bi banded and patchy 4, Si pervasive 2, Cl, Act patchy 2	Fine grained mafic with coarse grained biotite alteration. Disseminated pyrite observed throughout and very fine grained (?)arsenopyrite disseminated through coarse grained biotite alteration bands only.	1
G131745	534110	5471259	Grab	TB08108649	Conglomerate	Cl pervasive 2, Bi patchy 2, Si pervasive 3	Massive, polymictic conglomerate with fine grained mafic matrix. ~1% pyrite disseminated.	1
G131746	534075	5471187	Grab	TB08108649	Fine grained mafic	Cl pervasive 3, Bi patchy 2,	Fine grained mafic with ~2% disseminated pyrite.	2
G131747	534012	5471261	Grab	TB08108649		Si pervasive 5, Cl patchy 2, Bi patchy 1	Highly silicified fine grained mafic sediments(?) with ~30% pyrite, mostly concentrated in a band.	30
G131748	534049	5471274	Grab	TB08108649		Cl patchy 3, Bi patchy and in bands 3, Si pervasive 4	Polymictic conglomerate with QFP, sediment, and cherty clasts. Appears matrix supported with highly altered matrix.	5
G131749	533788	5471267	Grab	TB08108649	medium grained mafic	Cl pervasive 2, Si pervasive 3,	Highly gossanous, medium grained mafic with disseminated pyrite.	5
G131751	533848	5471171	Grab	TB08115416	fine grained mafic	Cl pervasive 3, Si pervasive 3, Bi patchy 2	Gossan. Highly altered fine grained mafic with patchy pyrite.	3
G131752	533863	5471189	Grab	TB08115416	fine grained mafic	Cl pervasive 2, Si pervasive 2,	Fine grained mafic (host rock to sulphide vein) with disseminated and vein pyrite.	3
G131753	533863	5471184	Grab	TB08115416	fine grained mafic and sulphide vein	Si pervasive 3, Bi pervasive 2,	Fine grained mafic host rock with ~10 cm, highly rusty sulphide vein containing up to 20% patchy and disseminated sulphide.	10 to 20
G131754	533867	5471221	Grab	TB08115416	fine-med grained mafic	Si pervasive 4, Cl patchy 2,	Very intense gossan. Fine to medium grained mafic with disseminated pyrite concentrated in Si rich areas. Also fine grained po and possible as. Locally mag.	30
G131855	534063	5471284	Grab	TB08117012	fg mafic rock			5%
G134074	534076	5471267	Grab	TB08144208	gabbro		trace - 3% py, trace po, py, po, sulphides strong mag	trace - 3% py, trace po

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Mineralization	Sulphide %
G134075	534067	5471264	Grab	TB08144208	gabbro		3-5% py, py, po, sulphides strong mag	3-5% py
G134076	534064	5471245	Grab	TB08144208	gabbro		1% py, 10% po, py, po, sulphides strong mag	1% py, 10% po
G134077	534060	5471233	Grab	TB08144208	fg mafic		5% py, py, sulphides non-mag	5% py
G134078	534052	5471253	Grab	TB08144208	gabbro		trace py, 25-30% po, py, po, sulphides strong mag	trace py, 25-30% po
G134079	534020	5471289	Grab	TB08144208	gabbro		10% py, 5% po, py, po, sulphides strong mag	10% py, 5% po
G134080	533995	5471262	Grab	TB08144208	gabbro		trace -3% py, py, po, sulphides weak-mod mag	trace -3% py
G134081	533982	5471277	Grab	TB08144208	gabbro		trace, py, sulphides non-mag	trace
G134082	534039	5471241	Grab	TB08144208	gabbro		trace, py, sulphides weak mag	trace
G134083	534039	5471235	Grab	TB08144208	gabbro		trace - 1%, py, sulphides non-mag	trace - 1%
G134084	534097	5471177	Grab	TB08144208	gabbro		3% py, py, sulphides non-mag	3% py
G134085	534112	5471228	Grab	TB08144208	gabbro		3% py, py, sulphides non-mag	3% py
G134086	534114	5471256	Grab	TB08144208	gabbro		1% py, 10% po, py, po, sulphides strong mag	1% py, 10% po
G134087	534119	5471277	Grab	TB08144208	gabbro		3% py, 10% po, py, po, sulphides strong mag	3% py, 10% po
G134088	534129	5471288	Grab	TB08144208	gabbro		15% py, 10% po, py, po, sulphides mod-strong mag	15% py, 10% po
G134089	534139	5471318	Grab	TB08144208	fg mafic		trace, py, sulphides non-mag	trace
G134091	534131	5471347	Grab	TB08144208	fg mafic		trace, py, sulphides mon-strong mag	trace
G134092	534189	5471375	Grab	TB08144208	gabbro		trace py, 10% po, py, po, sulphides locally strong mag	trace py, 10% po
G134093	534221	5471288	Grab	TB08144208	gabbro		trace py, 5% po, py, po, sulphides strong mag	trace py, 5% po
G134094	534191	5471403	Grab	TB08144208	gabbro		trace py, 10% po, py, po, sulphides strong mag	trace py, 10% po
G134095	534170	5471413	Grab	TB08144208	gabbro		trace py, 10% po, py, po, sulphides strong mag	trace py, 10% po
G134096	534151	5471413	Grab	TB08144208	gabbro		trace py, +/-po, py, po, sulphides weak mag	trace py, +/-po
G134097	534163	5471472	Grab	TB08144208	gabbro		1% py, 3% po, py, po, sulphides weak mag	1% py, 3% po
G134098	514132	5471420	Grab	TB08144208	gabbro		trace py, py, sulphides weak mag	trace py

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Mineralization	Sulphide %
G134099	534076	5471481	Grab	TB08144208	gabbro		trace - 1% py, py, sulphides non-mag	trace - 1% py
G134100	534029	5471461	Grab	TB08144208	gabbro		trace py and po, py, po, sulphides weak mag	trace py and po
G131639	0	0	Grab	TB08158315			dis py , with little assocated alteraion	2-5% py

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G131501	534424	5471311	Channel 1.5m	TB08079452	Int-mafic seds		2	Py disseminated
G131502	534424	5471312	Channel 1.5m	TB08079452	Intermediate to mafic seds.		2	Py disseminated with localized PO
G131503	534422	5471321	Channel 1.5m	TB08079452	Intermediate seds		15	Py with minor amounts of PO and CP.
G131504	534423	5471322	Channel 1.5m	TB08079452	Intermediate seds		10	Py disseminated along with PO also in small blebs.
G131505	534423	5471324	Channel 1.5m	TB08079452	Intermediate seds		10	Py concentrated in areas.
G131506	534422	5471326	Channel 1.5m	TB08079452	Int-mafic seds		5	Py + PO veinlets and also dissemniated.
G131507	534423	5471328	Channel 1.5m	TB08079452	Int-mafic seds		5	Py localized
G131508	534424	5471328	Channel 1.5m	TB08079452			5	Py localized
G131509	534425	5471336	Channel 1.5m	TB08079452	Int-mafic seds		2	Py disseminated
G131510	534420	5471339	Channel 1.5m	TB08079452	Int-mafic seds and conglom contact.		1	Py disseminated
G131511	534424	5471341	Channel 1.5m	TB08079452	conglomerate		5	Py disseminated
G131512	534425	5471342	Channel 1.5m	TB08079452	conglomerate		5	Py disseminated
G131513	534428	5471347	Channel 1.5m	TB08079452	conglomerate		10	Py disseminated and also concentrated in blebs
G131514	534312	5471419	Channel 1.5m	TB08079452	conglomerate	Mod cl pervasive, mod bi patchy. Disseminated mineralization	5	Py, po
G131515	534312	5471421	Channel 1.5m	TB08079452	conglomerate	Mod cl pervasive, mod bi patchy. Disseminated mineralization	5	Py, po
G131516	534313	5471423	Channel 1.5m	TB08079452	conglomerate	High cl, mod bi, mod si	5	Py
G131517	534311	5471430	Channel 1.5m	TB08079452	mafic seds	Low to mod bi and cl alteration, patchy	13	Py, po
G131518	534304	5471425	Channel 1.5m	TB08079452	conglomerate	low to mod bi, cl, and si	5	Py
G131520	534296	5471352	Channel 1.5m	TB08079452	mafic sed	mod cl, si alteration	5	Py
G131521	534304	5471357	Channel 1.5m	TB08079452	conglomerate	mod cl, si alteration, minor patchy bi, 2 joints measured, channel direction @ 125	15	Py
G131522	534305	5471356	Channel 1.5m	TB08079452	conglomerate	mod cl, si alteration, minor patchy bi, massive sulphide found	40	Py
G131523	534308	5471357	Channel 1.5m	TB08088612	mafic sed	mod cl, si alteration	10	Py
G131525	534311	5471357	Channel 1.5m	TB08088612	mafic sed	mod cl, si alteration	25	Py
G131526	534312	5471358	Channel 1.5m	TB08088612	mafic sed	mod cl, si alteration	10	Py
G131527	534312	5471356	Channel 1.5m	TB08088612	mafic sed	mod cl, si alteration	10	Py

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G131528	534337	5470997	Channel 0.5m	TB08088612	mafic conglomerate	mod cl, si, bi alteration	10	Py,po
G131529	534338	5470998	Channel 1.5m	TB08088612	mific conglomerate	mod cl, si, bi alteration	1	Py
G131530	534346	5471001	Channel 1.5m	TB08088612	fine grain mafic	mod bi, cl	3	Py,po
G131531	534346	5471001	Channel 1m	TB08088612	fine grain mafic	mod bi, cl, si	5	Py,po
G131532	534349	5470998	Channel 1.5m	TB08088612	fine grain mafic	mod bi, cl, weak si	5	Py, po
G131534	534351	5470997	Channel 1.5m	TB08088612	fine grain mafic	mod bi, cl, weak si	2	Py,po
G131535	534352	5470998	Channel 1.5m	TB08088612	fine grain mafic	mod bi, cl, weak si	1	Py,po
G131537	534419	5470997	Channel 1m	TB08088612	Mafic seds		5%	Py
G131538	534431	5470990	Channel 1.5m	TB08088612	conglomerate		1%	Py
G131539	534442	5470988	Channel 1.37m	TB08088612	Conglomerate		0.50%	Py
G131540	534443	5470993	Channel 1.5m	TB08088612	seds?		trace	Py
G131541	534448	5470989	Channel 1.45m	TB08088612	conglomerate		5%	Py
G131542	524451	5470992	Channel 1m	TB08088612	Conglomerate		4%	Py
G131543	534449	5470988	Grab	TB08088612			20%	Py
G131544	534473	5470999	Channel	TB08088612	Conglomerate	Very gossanous outcrop.	5-8 %	Pyrite in blebs, fracture fills and some disseminated
G131545	534475	5470999	Channel	TB08088612	Conglomerate		10-15%	2mm-1cm veinlets, some blebs, some disseminated
G131546	534479	5470999	Channel	TB08088612	Sedimentary rock		Tr Py.	disseminated
G131547	534481	5470999	Channel	TB08088612	Conglomerate		2% Po, Tr. Py	Po in blebs and stringers.
G131548	534485	5470997	Channel	TB08088612	Conglomerate		4% Po, Tr. Py	Po in blebs and stringers.
G131549	534485	5471000	Channel	TB08088612	Conglomerate		5% Po, Tr. Py	Po in blebs and stringers.
G131550	534436	5470649	Channel	TB08088613	mafic volcanic		5	Py, po
G131651	534437	5470650	Channel	TB08088612	mafic volcanic		3-5%	Py, po
G131652	534438	5470651	Channel	TB08088612	mafic volcanic		3	Py, po
G131653	534464	5470645	Channel	TB08088612	conglomerate		5	po, Py
G131654	534472	5470646	Channel	TB08088612	conglomerate		5	po, Py
G131655	534477	5470645	Channel	TB08088612	conglomerate		3	Py
G131656	534479	5470645	Channel	TB08088612	conglomerate		3	Py
G131657	534481	5470643	Channel	TB08088612	conglomerate		5-10%	Py
G131658	534483	5470642	Channel	TB08088612	conglomerate		15	Py, cp
G131659	534486	5470640	Channel	TB08088613	conglomerate		10	cp, Py
G131660	534488	5470639	Channel	TB08088613	conglomerate		21	Py, cp
G131661	534489	5470638	Channel	TB08087981	conglomerate		10	Py
G131662	534491	5470636	Channel	TB08087981	conglomerate		10	5-10% Py disseminated
G131663	534492	5470634	Channel	TB08087981	conglomerate		10	5-10% Py disseminated
G131664	534493	5470633	Channel	TB08087981	conglomerate		10	5-10% Py disseminated
G131665	534386	5470512	Channel 1.5m	TB08098403	fine grain mafic	mod-patchy bio alteration, highly silc	1%	Py, po(?)

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G131666	534365	5470165	Channel 1.5m	TB08098403	fine grain mafic	mod silc, strong bio alt	3%	Py, trace po
G131667	534317	5470169	Channel 1.5m	TB08098403	fine grain mafic	highly gossan, silc - 3, bio - 2, surface chl - 3, highly fractured, many veins (epodite?) visible	5%	Py, po
G131668	534300	5470173	grab	TB08098403	fine grain mafic	highly fractured, highly gossan, mod silc, mod bio, possible shear zone	3%	Py, po(?)
G131669	534292	5470172	Channel 1.5m	TB08098403	fine grain mafic	weak silc, bio - 2, surface chl - 2,	3%	Py, po(?)
G131670	534284	5470173	Channel 1.5m	TB08098403	fine grain mafic	silc - 4, bio - 3	3%	Py, po(?)
G131671	534282	5470714	Channel 1.5m	TB08098403	fine grain mafic	silc - 2, bio - 4, some gossan patches	3%	Py
G131672	534279	5470174	Channel 1.5m	TB08098403	fine grain mafic	some gossan patches, mod silc, bio alt, some jointing	3%	Py - small cubes
G131673	534253	5470169	Channel 1.5m	TB08098403	fine grain mafic	sulphide along veinlets, and diss, mod bio and silc,	3%	Py, po
G131674	534257	5470172	grab	TB08098403	fine grain mafic	string sulphide, near contact with QFP, possible shear zone, highly gossan, strong silc and bio alt	5%	Py, po
G131694	534258	5470174	Channel 1.5m	TB08098403	med grain mafic	highly gossan, 3% sulphide	3%	Py,po(?)

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G131755	534372	5469685	Channel 1.05 m	TB08115416	fine grained mafic volcanic	carbonate veins.	20	20% disseminated pyrite in fine grained mafic
G131756	534371	5469686	Channel 0.95 m	TB08115416	fine grained mafic volcanic	carbonate and quartz-epidote veins.	10 to 15	disseminated and vein pyrite in fine grained mafic
G131757	534368	5469691	grab	TB08115416	quartz vein		4	~15 cm wide quartz vein cutting fine grained mafic. Sulphides disseminated and in veinlets. Also patchy blebs of Mo.
G131758	534370	5469687	Channel 1.25 m	TB08115416	fine grained mafic volcanic	carbonate and quartz-epidote veins.	10 to 15	disseminated and vein pyrite in fine grained mafic with
G131759	534370	5469690	Channel 1.0 m	TB08115416	fine grained mafic volcanic		30	Highly altered with up to 30% fine grained disseminated pyrite.
G131760	534374	5469683	chip 1.5 m	TB08115416	fine grained mafic volcanic	carbonate veins.	20	20% disseminated pyrite in fine grained mafic
G131761	534367	5469690	Channel 1.1 m	TB08115416	fine grained mafic volcanic		10	10% pyrite disseminated and in stringers
G131762	534367	5469696	chip 1.0 m	TB08115416	fine grained mafic volcanic		10 to 15	10-15% fine grained disseminated pyrite, mottled texture along fractures
G131763	534366	5469698	Channel 0.90 m	TB08115416	fine grained mafic volcanic		10 to 15	10-15% fine grained disseminated pyrite, mottled texture along fractures
G131764	534366	5469699	Channel 0.27 m	TB08115416	fine grained mafic volcanic		10 to 15	10-15% fine grained disseminated pyrite, mottled texture along fractures
G131766	534362	5469699	Channel 1.12 m	TB08115416	fine grained mafic volcanic	biotite alteration patchy and in bands	20 to 30	20-30% disseminated pyrite,
G131767	534364	5469702	Channel 1.5 m	TB08115416	fine grained mafic volcanic	biotite alteration patchy and in bands	20 to 30	20-30% disseminated pyrite,
G131768	534364	5469704	Channel 0.93 m	TB08115416	fine grained mafic volcanic	biotite alteration patchy and in bands	20 to 30	20-30% disseminated pyrite,
G131770	534363	5469704	Channel 0.88 m	TB08115416	fine grained mafic volcanic	biotite alteration patchy and in bands	20 to 30	20-30% disseminated pyrite,
G131771	534360	5469707	Channel 0.40 m	TB08115416	fine grained mafic volcanic	pervasive carbonate alteration (south side of shear zone)	10 to 15	10-15% disseminated pyrite,
G131772	534360	5469708	Channel 0.47 m	TB08115416	fine grained mafic volcanic	pervasive carbonate	30 to 35	within shear zone, 30-35% disseminated pyrite
G131773	534360	5469709	Channel 0.78 m	TB08115416	fine grained mafic volcanic	pervasive carbonate alteration (north side of shear zone)	10 to 15	10-15% disseminated pyrite,

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G131774	534361	5469710	Channel 0.59 m	TB08115416	fine grained mafic volcanic	pervasive carbonate alteration (north side of shear zone)	10 to 15	10-15% disseminated pyrite,
G131775	534356	5469712	Channel 0.68 m	TB08115416	fine grained mafic volcanic		5 to 10	5-10% pyrite, disseminated and in veinlets
G131776	534355	5469713	Channel 0.85 m	TB08115416	fine grained mafic volcanic		5 to 10	5-10% pyrite, disseminated and in veinlets, locally up to 20% pyrite
G131777	534354	5469713	Channel 0.63 m	TB08115416	fine grained mafic volcanic		5 to 10	5-10% pyrite, disseminated and in veinlets, locally up to 20% pyrite
G131778	534353	5469714	chip 1.1 m	TB08115416	fine grained mafic volcanic		5 to 10	5-10% pyrite, disseminated and in veinlets, locally up to 20% pyrite
G131779	534353	5469715	Channel 0.82 m	TB08115416	fine grained mafic volcanic		5 to 10	5-10% pyrite, disseminated and in veinlets, locally up to 20% pyrite
G131781	534353	5469717	Channel 0.89 m	TB08115416	fine grained mafic volcanic		15 to 20	15-20% disseminated pyrite, locally have pyrite and arsenopyrite
G131782	534352	5469717	Channel 0.90 m	TB08115416	fine grained mafic volcanic		15 to 20	15-20% disseminated pyrite, locally have pyrite and arsenopyrite
G131783	534351	5469718	chip 1.3 m	TB08115416	fine grained mafic volcanic		15 to 20	15-20% disseminated pyrite, locally have pyrite and arsenopyrite
G131784	534351	5469719	Channel 0.92 m	TB08115416	fine grained mafic volcanic		15 to 20	15-20% disseminated pyrite, locally have pyrite and arsenopyrite
G131785	534349	5469721	Channel 0.91 m	TB08115416	fine grained mafic volcanic	moderate biotite alteration,	10 to 15	10-15% pyrite and arsenopyrite, disseminated and in stringers
G131786	534353	5469723	Channel 0.92 m	TB08115416	fine grained mafic volcanic		5 to 10	5-10% pyrite disseminated and in veinlets, locally up to 20%
G131788	534351	5469723	Channel 0.68 m	TB08115416	fine grained mafic volcanic		5 to 10	5-10% pyrite disseminated and in veinlets, locally up to 20%
G131789	534350	5469724	Channel 0.92 m	TB08115416	fine grained mafic volcanic		5 to 10	5-10% pyrite disseminated and in veinlets, locally up to 20%
G131790	534349	5469726	Channel 0.65 m	TB08115416	fine grained mafic volcanic	minor quartz and epidote veins	5 to 10	5-10% disseminated pyrite
G131791	534349	5469727	grab	TB08115416	quartz-pyrite vein		30	in shear zone, vein with 30% disseminated pyrite
G131792	534348	5469728	Channel 0.81 m	TB08115416	fine grained mafic volcanic	minor quartz and epidote veins	5 to 10	5-10% disseminated pyrite
G131793	534347	5469729	Channel 0.90 m	TB08115416	fine grained mafic volcanic	minor quartz and epidote veins	5 to 10	5-10% disseminated pyrite
G131794	534337	5469737	Channel 0.89 m	TB08115416	fine grained mafic volcanic	minor quartz and epidote veins	5	5% pyrite disseminated and in veinlets.
G131795	534337	5469738	Channel 0.77 m	TB08115416	fine grained mafic volcanic	minor quartz and epidote veins	5	5% pyrite disseminated and in veinlets.

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G131796	534335	5469740	grab	TB08115416	fine grained mafic volcanic	Minor quartz-epidote veinlets.	5	5% pyrite disseminated and in veinlets.
G131797	534334	5469744	Channel 1.08 m	TB08115416	fine grained mafic volcanic		3 to 5	3-5% pyrite, mostly disseminated with minor amount in veinlets.
G131798	534330	5469749	Channel 0.94 m	TB08115416	quartz feldspar porphyry		trace	trace pyrite (patches and disseminated) in QFP
G131799	534324	5469755	Channel 0.97 m	TB08115416	quartz feldspar porphyry, fine grained mafic volcanic		5 to 10	QFP dyke in centre of sample, fine grained mafic on either side. 5-10% pyrite, 0-5% arsenopyrite, disseminated and in veinlets.
G131800	534322	5469756	Channel 0.89 m	TB08115416	fine grained mafic volcanic		5 to 10	5-10% disseminated pyrite, locally up to 15%. Some large pyrite cubes up to 2 cm.
G131801	534321	5469757	Channel 0.93 m	TB08115416	fine grained mafic volcanic	Pervasive calcite veins	5 to 10	5-10% disseminated pyrite, locally up to 15%. .
G131802	534320	5469758	Channel 0.93 m	TB08115416	fine grained mafic volcanic	Calcite-dolomite locally pervasive.	15 to 20	15-20% pyrite, possibly arsenopyrite.
G131803	534319	5469759	Channel 0.66 m	TB08115416	fine grained mafic volcanic	Calcite-dolomite locally pervasive.	15 to 20	15-20% disseminated pyrite and possibly arsenopyrite.
G131804	534319	5469760	Channel 1.3 m	TB08115416	fine grained mafic volcanic	Calcite-dolomite locally pervasive.	15 to 20	15-20% disseminated pyrite and possibly arsenopyrite.
G131805	534320	5469761	Channel 0.92 m	TB08115416	fine grained mafic volcanic		15 to 20	15-20% pyrite, possibly arsenopyrite. Calcite-dolomite locally pervasive.
G131806	534320	5469762	Channel 0.84 m	TB08115416	fine grained mafic volcanic	Calcite-dolomite locally pervasive.	15 to 20	15-20% pyrite, possibly arsenopyrite.
G131807	534319	5469763	Channel 0.70 m	TB08115416	fine grained mafic volcanic		5 to 10	5-8% pyrite, 0-2% arsenopyrite. Some coarse grained pyrite up to 5 mm. Trace chalcopyrite.
G131808	534318	5469763	Channel 0.81 m	TB08115416	fine grained mafic volcanic	Calcite and quartz-carbonate veins.	5 to 10	5-8% pyrite, 0-2% arsenopyrite. Some coarse grained pyrite up to 5 mm. Trace chalcopyrite.
G131810	534318	5469764	Channel 1.14 m	TB08115416	fine grained mafic volcanic	Calcite and quartz-carbonate veins.	5 to 10	5-8% pyrite, 0-2% arsenopyrite. Trace chalcopyrite.
G131811	534317	5469764	Channel 0.78 m	TB08115416	fine grained mafic volcanic	Calcite and quartz-carbonate veins.	5 to 10	5-8% pyrite, 0-2% arsenopyrite. Trace chalcopyrite.
G131812	534316	5469765	Channel 1.13 m	TB08115416	fine grained mafic volcanic	Calcite and quartz-carbonate veins.	5 to 10	5-8% pyrite, 0-2% arsenopyrite. Trace chalcopyrite.
G131813	534317	5469765	Channel 0.46 m	TB08115416	fine grained mafic volcanic	Calcite and quartz-carbonate veins.	5 to 10	5-8% pyrite, 0-2% arsenopyrite. Trace chalcopyrite.

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G131814	534316	5469766	Channel 0.93 m	TB08115416	fine grained mafic volcanic	Calcite and quartz-carbonate veins.	5 to 10	5-8% pyrite, 0-2% arsenopyrite. Trace chalcopyrite.
G131815	534316	5469767	Channel 0.77 m	TB08115416	fine grained mafic volcanic	Calcite and quartz-carbonate veins.	5 to 10	5-8% pyrite, 0-2% arsenopyrite. Trace chalcopyrite.
G131816	534314	5469767	Channel 0.66 m	TB08115416	fine grained mafic volcanic	Calcite and quartz-carbonate veins.	5 to 10	5-8% pyrite, 0-2% arsenopyrite. Trace chalcopyrite.
G131818	534317	5469768	Channel 0.94 m	TB08115416	fine grained mafic volcanic		5 to 10	5-10% disseminated pyrite, up to 1% chalcopyrite. Pyrite also in stringers.
G131819	534314	5469769	Channel 1.06 m	TB08115416	fine grained mafic volcanic	Calcite locally.	5 to 10	5-10% disseminated pyrite, up to 1% chalcopyrite. Pyrite also in stringers.
G131820	534313	5469770	Channel 0.82 m	TB08115416	fine grained mafic volcanic	Calcite locally.	5 to 10	5-10% disseminated pyrite, up to 1% chalcopyrite. Pyrite also in stringers.
G131821	534312	5469771	Channel 0.92 m	TB08115416	fine grained mafic volcanic	Calcite locally.	5 to 10	5-10% disseminated pyrite, up to 1% chalcopyrite. Pyrite also in stringers.
G131822	534310	5469772	Channel 0.65 m	TB08115416	fine grained mafic volcanic		5 to 10	5-10% disseminated pyrite, up to 1% chalcopyrite. Pyrite also in stringers.
G131823	534311	5469787	Channel 0.90 m	TB08115416	quartz feldspar porphyry		trace	trace pyrite (patches and disseminated) in QFP
G131824	534311	5469796	chip 0.92 m	TB08115416	fine grained mafic volcanic		2 to 3	2-3% pyrite, disseminated and patchy
G131825	534309	5469796	Channel 0.97 m	TB08115416	quartz feldspar porphyry		trace	trace pyrite (patches and disseminated) in QFP
G131826	534306	5469799	Channel 0.93 m	TB08115416	fine grained mafic volcanic		10 to 15	10-15% pyrite, disseminated and in stringers
G131827	534305	5469800	Channel 1.00 m	TB08115416	fine grained mafic volcanic		10 to 15	10-15% pyrite, disseminated and in stringers
G131828	534307	5469800	Channel 0.79 m	TB08115416	fine grained mafic volcanic		20 to 25	20-25% fine grained disseminated pyrite
G131829	534305	5469801	Channel 0.78 m	TB08115416	fine grained mafic volcanic		5 to 10	5-10% disseminated pyrite
G131830	534306	5469802	Channel 0.83 m	TB08117012	fine grained mafic volcanic		5 to 10	5-10% disseminated pyrite
G131831	534306	5469803	Channel 0.71 m	TB08117012	fine grained mafic volcanic		5 to 10	5-10% disseminated pyrite
G131833	534306	5469804	Channel 0.93 m	TB08117012	fine grained mafic volcanic		5 to 10	5-10% disseminated pyrite
G131834	534306	5469805	chip 0.56 m	TB08117012	fine grained mafic volcanic		less than 3	shear zone in between fine grained mafic volcanic and mafic dyke. <3% disseminated pyrite.

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G131835	534305	5469805	Channel 0.92 m	TB08117012	fine-medium grained hornblende-feldspar dyke.		less than 1	<1% disseminated pyrite in fine-medium grained mafic dyke.
G131837	534303	5469805	Channel 0.90 m	TB08117012	fine-medium grained hornblende-feldspar dyke.		less than 1	<1% disseminated pyrite in fine-medium grained mafic dyke.
G131838	534304	5469807	Channel 1.05 m	TB08117012	fine-medium grained hornblende-feldspar dyke.		less than 1	<1% disseminated pyrite in fine-medium grained mafic dyke.
G131839	534303	5469808	Channel 1.19 m	TB08117012	fine-medium grained hornblende-feldspar dyke.		less than 1	<1% disseminated pyrite in fine-medium grained mafic dyke.
G131840	534303	5469809	Channel 0.75 m	TB08117012	fine-medium grained hornblende-feldspar dyke.		less than 1	<1% disseminated pyrite in fine-medium grained mafic dyke.
G131841	534303	5469809	Channel 0.84 m	TB08117012	fine-medium grained hornblende-feldspar dyke.		less than 1	<1% disseminated pyrite in fine-medium grained mafic dyke.
G131842	534301	5469809	Channel 0.90 m	TB08117012	fine-medium grained hornblende-feldspar dyke.		less than 1	<1% disseminated pyrite in fine-medium grained mafic dyke.
G131843	534302	5469810	Channel 0.73 m	TB08117012	fine grained mafic volcanic	Quartz-epidote veins.	5 to 10	5-10% disseminated pyrite, trace pyrrhotite.
G131844	534302	5469810	chip 0.93 m	TB08117012	fine grained mafic volcanic	Quartz-epidote veins.	5 to 10	5-10% disseminated pyrite, trace pyrrhotite.
G131845	534302	5469811	Channel 0.62 m	TB08117012	fine grained mafic volcanic	Quartz-epidote veins.	5 to 10	5-10% disseminated pyrite, trace pyrrhotite.
G131846	534302	5469812	Channel 0.75 m	TB08117012	fine grained mafic volcanic	Quartz-epidote veins.	5 to 10	5-10% disseminated pyrite, trace pyrrhotite.
G131847	534301	5469812	Channel	TB08117012	fine grained mafic volcanic	Quartz-epidote veins.	5 to 10	5-10% disseminated pyrite, trace pyrrhotite.
G131848	534298	5469813	chip	TB08117012	fine grained mafic volcanic	Quartz-epidote veins.	5 to 10	5-10% disseminated pyrite, trace pyrrhotite.

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G131849	534300	5469813	Channel 0.86 m	TB08117012	fine grained mafic volcanic	Quartz-epidote veins.	5 to 10	5-10% disseminated pyrite, trace pyrrhotite.
G131850	534300	5469814	chip 0.92 m	TB08117012	fine grained mafic volcanic	Quartz-epidote veins.	5 to 10	5-10% disseminated pyrite, trace pyrrhotite.
G131851	534300	5469815	chip 1.02 m	TB08117012	fine grained mafic volcanic	Quartz-epidote veins.	5 to 10	5-10% disseminated pyrite, trace pyrrhotite.
G131852	534299	5469815	chip 0.73 m	TB08117012	fine grained mafic volcanic		30 to 35	30-35% fine grained disseminated pyrite across pyrite veins in fine grained mafic. Locally weakly magnetic.
G131853	534299	5469815	Channel 0.74 m	TB08117012	fine grained mafic volcanic		5	5% disseminated pyrite and stringers. Locally up to 10% pyrite.
G131854	534306	5469800	grab	TB08117012	fine grained mafic volcanic		20 to 25	20-25% disseminated pyrite within shear zone in fine grained mafic
G131856	534512	5469868	Channel 0.83 m	TB08117012	fine grained mafic volcanic	Calcite and quartz-carbonate veins.	5 to 10	5-10% subhedral to euhedral pyrite, disseminated and in veinlets.
G131857	534512	5469868	Channel 0.86 m	TB08117012	fine grained mafic volcanic	Calcite and quartz-carbonate veins.	5 to 10	5-10% subhedral to euhedral pyrite, disseminated and in veinlets.
G131858	534511	5469869	Channel 0.78 m	TB08117012	fine grained mafic volcanic	Calcite and quartz-carbonate veins.	5 to 10	5-10% subhedral to euhedral pyrite, disseminated and in veinlets.
G131859	534509	5469867	Channel 0.80 m	TB08117012	fine grained mafic volcanic	Pervasive quartz-carbonate veins, minor quartz-epidote.	5	5% disseminated pyrite.
G131861	534508	5469868	Channel 0.90 m	TB08117012	fine grained mafic volcanic	Pervasive quartz-carbonate veins, minor quartz-epidote.	5	5% disseminated pyrite.
G131862	534509	5469870	Channel 0.90 m	TB08117012	fine grained mafic volcanic	Calcite and quartz-carbonate veins.	5 to 10	5-10% subhedral to euhedral pyrite, disseminated and in veinlets.
G131863	534506	5469869	chip 0.85 m	TB08117012	fine grained mafic volcanic	Pervasive quartz-carbonate veins, minor quartz-epidote.	5	5% disseminated pyrite. Possible pillows in mafic volcanic.
G131864	534505	5469869	Channel 0.64 m	TB08117012	fine grained mafic volcanic	Pervasive quartz-carbonate veins, minor quartz-epidote.	5	5% disseminated pyrite.Possible pillows in mafic volcanic.
G131865	534501	5469872	Channel 0.67 m	TB08117012	fine grained mafic volcanic	Quartz-carbonate-epidote veins and pods.	3 to 8	3-8% pyrite, disseminated and in veinlets.
G131866	534500	5469872	Channel 0.63 m	TB08117012	fine grained mafic volcanic	Quartz-carbonate-epidote veins and pods.	3 to 8	3-8% pyrite, disseminated and in veinlets.
G131867	534499	5469872	Channel 0.75 m	TB08117012	fine grained mafic volcanic	Quartz-carbonate-epidote veins and pods.	3 to 8	3-8% pyrite, disseminated and in veinlets.
G131869	534496	5469873	Channel 0.76 m	TB08117012	quartz feldspar porphyry		1 to 2	1-2% disseminated pyrite with minor amount in veinlets

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G131870	534495	5469876	Channel 0.48 m	TB08117012	fine grained mafic volcanic		2 to 5	2-5% disseminated pyrite in fine grained mafic (~60 cm wide) in contact with QFP
G131871	534493	5469875	Channel 0.42 m	TB08117012	quartz feldspar porphyry		1 to 2	1-2% disseminated pyrite
G131872	534493	5469878	Channel 0.78 m	TB08117012	fine grained mafic volcanic		2 to 5	2-5% disseminated pyrite with locally weak mag
G131873	534493	5469878	Channel 1.00 m	TB08117012	fine grained mafic volcanic		2 to 5	2-5% disseminated pyrite with locally weak mag
G131874	534491	5469877	Channel 0.70 m	TB08117012	fine grained mafic volcanic		2 to 5	2-5% disseminated pyrite with locally weak mag
G131875	534490	5469878	Channel 0.64 m	TB08117012	fine grained mafic volcanic		2 to 5	2-5% disseminated pyrite with locally weak mag
G131876	534490	5469878	Channel 0.80 m	TB08117012	fine grained mafic volcanic		2 to 5	2-5% disseminated pyrite with locally weak mag
G131877	534489	5469878	Channel 0.74 m	TB08117012	fine grained mafic volcanic		2 to 5	2-5% disseminated pyrite with locally weak mag
G131878	534489	5469879	Channel 0.70 m	TB08117012	fine grained mafic volcanic		2 to 5	2-5% disseminated pyrite with locally weak mag
G131879	534489	5469881	Channel 0.72 m	TB08117012	fine grained mafic volcanic		2 to 5	2-5% disseminated pyrite with locally weak mag
G131880	534488	5469881	chip 0.86 m	TB08117012	fine grained mafic volcanic	Patchy calcite and quartz-epidote.	5 to 10	5-10% pyrite, patchy, disseminated and veins.
G131881	534487	5469880	Channel 0.69 m	TB08117012	fine grained mafic volcanic	Patchy calcite and quartz-epidote.	5 to 10	5-10% pyrite, patchy, disseminated and veins.
G131882	534486	5469880	Channel 0.98 m	TB08117012	fine grained mafic volcanic	minor patchy calcite	10 to 15	gossanous, possibly sheared. 10-15% disseminated pyrite,
G131883	534486	5469882	Channel 0.68 m	TB08117012	fine grained mafic volcanic		5 to 8	5-8% euhedral pyrite, disseminated and veinlets
G131884	534486	5469882	grab	TB08117012	fine grained mafic volcanic		5 to 8	5-8% euhedral pyrite, disseminated and veinlets in fine grained mafic shear zone
G131885	534485	5469882	Channel 0.69 m	TB08117012	fine grained mafic volcanic		5 to 8	5-8% euhedral pyrite, disseminated and veinlets
G131886	534485	5469882	Channel 0.69 m	TB08117012	fine grained mafic volcanic		5 to 8	5-8% euhedral pyrite, disseminated and veinlets
G131887	534485	5469884	Channel 1.5 m	TB08117012	fine grained mafic volcanic		5 to 8	5-8% euhedral pyrite, disseminated and veinlets
G131888	534483	5469885	Channel 1.4 m	TB08117012	fine grained mafic volcanic		5 to 8	5-8% euhedral pyrite, disseminated and veinlets

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G131890	534481	5469884	Channel 0.86 m	TB08117012	fine grained mafic volcanic		5 to 10	5-10% disseminated pyrite
G131891	534480	5469883	Channel 1.4 m	TB08117012	fine grained mafic volcanic		5 to 8	5-8% pyrite disseminated and in veinlets
G131892	534475	5469886	Channel 1.3 m	TB08117012	fine grained mafic volcanic	Patchy calcite	5 to 10	5-10% pyrite, disseminated and in veinlets. .
G131893	534473	5469887	Channel 0.83 m	TB08117012	fine grained mafic volcanic		15 to 20	15-20% disseminated pyrite. Minor patchy calcite.
G131894	534472	5469887	Channel 1.5 m	TB08117012	fine grained mafic volcanic	Minor patchy calcite.	15 to 20	15-20% disseminated pyrite.
G131895	534471	5469888	Channel 1.05 m	TB08117012	fine grained mafic volcanic		15 to 20	15-20% disseminated pyrite. Minor patchy calcite.
G131896	534470	5469889	Channel 1.10 m	TB08117012	fine grained mafic volcanic		2 to 5	2-5% disseminated pyrite in fine grained mafic (possibly pillowed)
G131897	534469	5469889	Channel 1.13 m	TB08117012	fine grained mafic volcanic		2 to 5	2-5% disseminated pyrite in fine grained mafic (possibly pillowed)
G131898	534465	5469889	Channel 1.07 m	TB08117012	fine grained mafic volcanic	Quartz-epidote veins.	1 to 3	1-3% disseminated, euhedral pyrite.
G131899	534465	5469892	Channel 1.13 m	TB08117012	fine grained mafic volcanic	Quartz-epidote veins.	1 to 3	1-3% disseminated, euhedral pyrite.
G131900	534462	5469893	Channel 1.04 m	TB08117012	fine grained mafic volcanic	Quartz-epidote veins.	5 to 8	5-8% disseminated pyrite.
G131901	534461	5469893	Channel 0.98 m	TB08117012	fine grained mafic volcanic	Quartz-epidote veins.	5 to 8	5-8% disseminated pyrite.
G131902	534457	5469893	Channel 0.84 m	TB08117012	fine grained mafic volcanic	Quartz-epidote veins.	10 to 15	10-15% sulphides disseminated and in veinlets, mostly pyrite, with up to 2% pyrrhotite.
G131903	534456	5469894	Channel 1.25 m	TB08117012	fine grained mafic volcanic		10 to 15	10-15% pyrite, patchy and disseminated
G131904	534455	5469894	Channel 1.39 m	TB08117012	fine grained mafic volcanic		10 to 15	10-15% pyrite, patchy and disseminated
G131905	534454	5469895	Channel 1.37 m	TB08117012	fine grained mafic volcanic	Pervasive calcite.	25 to 30	25-30% disseminated pyrite.
G131906	534452	5469895	Channel 1.00 m	TB08117012	fine grained mafic volcanic		10 to 15	10-15% pyrite, disseminated and in veinlets
G131907	534450	5469896	Channel 0.95 m	TB08117012	quartz feldspar porphyry		1	1% disseminated pyrite.
G131908	534450	5469897	Channel 0.71 m	TB08117012	fine grained mafic volcanic	Minor patchy calcite.	15 to 20	15-20% disseminated pyrite.

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G131909	534449	5469897	Channel 1.15 m	TB08117012	quartz feldspar porphyry		1	1% disseminated pyrite.
G131910	534448	5469898	Channel 1.15 m	TB08117012	quartz feldspar porphyry		1	1% disseminated pyrite.
G131911	534490	5469880	grab	TB08117012	fine grained mafic volcanic		5	5% disseminated pyrite
G131912	534452	5469898	grab	TB08117012	fine grained mafic volcanic	Pervasive calcite.	25 to 30	25-30% disseminated pyrite.
G131913	534505	5469871	grab	TB08117012	fine grained mafic volcanic		5	5% disseminated pyrite
G131914	534502	5469871	grab	TB08117012	fine grained mafic volcanic		5	5% disseminated pyrite
G131915	534123	5469898	Channel 1.15 m	TB08117012	fine grained mafic volcanic	Patchy calcite	6	3% pyrite, disseminated and in veinlets. 3% pyrrhotite, patchy. .
G131916	534121	5469898	Channel 1.05 m	TB08117012	fine grained mafic volcanic	Minor calcite-dolomite.	2 to 5	2-5% sulphides, mostly pyrite but up to 1% pyrrhotite.
G131917	534120	5469898	Channel 0.85 m	TB08117012	fine grained mafic volcanic	Minor calcite-dolomite.	2 to 5	2-5% sulphides, mostly pyrite but up to 1% pyrrhotite.
G131919	534117	5469896	Channel 0.85 m	TB08117012	fine grained mafic volcanic	Minor calcite and quartz-epidote.	1 to 4	1-4% pyrite, disseminated and patchy.
G131920	534116	5469896	Channel 0.94 m	TB08117012	fine grained mafic volcanic	Minor calcite and quartz-epidote.	1 to 4	1-4% pyrite, disseminated and patchy.
G131921	534115	5469898	Channel 1.00 m	TB08117012	fine grained mafic volcanic	Minor calcite and quartz-epidote.	1 to 4	1-4% pyrite, disseminated and patchy.
G131923	534117	5469899	Channel 0.83 m	TB08117012	fine grained mafic volcanic		2 to 5	2-5% sulphides, pyrite with up to 1% pyrrhotite, disseminated and in veins.
G131924	534116	5469900	Channel 0.89 m	TB08117012	fine grained mafic volcanic	Minor dolomite.	15 to 20	15-20% disseminated and patchy pyrite.
G131925	534114	5469898	grab	TB08117012	fine grained mafic volcanic		20 to 25	20-25% disseminated and patchy pyrite within shear zone
G131926	534114	5469898	Channel 1.00 m	TB08117012	fine grained mafic volcanic		5 to 10	5-10% disseminated and patchy pyrite, some coarse grained.
G131927	534114	5469900	Channel 1.12 m	TB08117012	fine grained mafic volcanic		15 to 25	15-25% pyrite (25% in shear zone)
G131928	534112	5469899	Channel 1.23 m	TB08117012	fine grained mafic volcanic		5 to 10	5-10% disseminated and patchy pyrite, some coarse grained.
G131929	534112	5469900	Channel 1.33 m	TB08117012	fine grained mafic volcanic		5 to 10	5-10% disseminated and patchy pyrite, some coarse grained.

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G131930	534111	5469901	Channel 1.25 m	TB08117012	fine grained mafic volcanic		5 to 10	5-10% disseminated and patchy pyrite, some coarse grained.
G131931	534099	5469901	chip 0.89 m	TB08117012	fine grained mafic volcanic		5 to 10	5-10% disseminated and patchy pyrite, some coarse grained.
G131932	534098	5469901	Channel 1.13 m	TB08117012	fine grained mafic volcanic	Calcite veinlets.	10 to 15	10-15% disseminated pyrite.
G131933	534107	5469902	Channel 1.18 m	TB08117012	fine grained mafic volcanic		3	2% pyrite, disseminated and in veins. 1% patchy pyrrhotite. Pervasive calcite veins.
G131934	534107	5469901	grab	TB08117012	fine grained mafic volcanic	Pervasive calcite veins.	2	2% pyrite, disseminated and in veins. 1% patchy pyrrhotite.
G131935	534106	5469901	Channel 1.12 m	TB08117012	fine grained mafic volcanic	Minor calcite and quartz-epidote	2 to 5	2-5% pyrite, fine grained disseminated and patchy..
G131936	534105	5469901	Channel 0.89 m	TB08117012	fine grained mafic volcanic	Minor calcite and quartz-epidote.	2 to 5	2-5% pyrite, fine grained disseminated and patchy.
G131937	534105	5469902	chip 1.00 m	TB08117012	fine grained mafic volcanic	Minor calcite and quartz-epidote.	2 to 5	2-5% pyrite, fine grained disseminated and patchy.
G131938	534104	5469903	Channel 0.89 m	TB08117012	fine grained mafic volcanic		20 to 25	20-25% pyrite in patchy clots and veins
G131939	534103	5469903	Channel 1.10 m	TB08117012	fine grained mafic volcanic	minor calcite and quartz-epidote veins	5	5% disseminated pyrite
G131940	534168	5469885	Channel 0.82 m	TB08117012	fine grained mafic volcanic	Minor quartz-epidote.	5 to 10	5-10% disseminated and patchy pyrite.
G131941	534167	5469885	Channel 0.75 m	TB08117012	fine grained mafic volcanic	Minor quartz-epidote.	5 to 10	5-10% disseminated and patchy pyrite.
G131942	534166	5469886	Channel 0.82 m	TB08117012	fine grained mafic volcanic	Minor quartz-epidote.	5 to 10	5-10% disseminated and patchy pyrite.
G131943	534165	5469888	Channel 1.13 m	TB08117012	fine grained mafic volcanic	Minor quartz-epidote.	5 to 10	5-10% disseminated and patchy pyrite.
G131944	534164	5469887	Channel 0.98 m	TB08117012	fine grained mafic volcanic	Minor quartz-epidote.	5 to 10	5-10% disseminated and patchy pyrite.
G131945	534163	5469888	Channel 1.04 m	TB08117012	hornblende-feldspar porphyry dyke	Chlorite replacing hornblende.	trace	trace disseminated pyrite.
G131946	534161	5469888	Channel 1.10 m	TB08117012	hornblende-feldspar porphyry dyke	Chlorite replacing hornblende.	trace	trace disseminated pyrite.
G131947	534160	5469889	Channel 1.10 m	TB08117012	hornblende-feldspar porphyry dyke	Chlorite replacing hornblende.	trace	trace disseminated pyrite.

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G131949	534159	5469890	Channel 1.85 m	TB08117012	hornblende-feldspar porphyry dyke	Chlorite replacing hornblende.	trace	trace disseminated pyrite.
G131950	534157	5469891	Channel 1.67 m	TB08117012	hornblende-feldspar porphyry dyke	Chlorite replacing hornblende.	trace	trace disseminated pyrite.
G131951	534200	5469879	Channel 1.22 m	TB08117012	fine grained mafic volcanic	patchy calcite and quartz epidote	2 to 5	2-5% disseminated pyrite
G131952	534200	5469881	chip 1.10 m	TB08117012	fine grained mafic volcanic	patchy calcite and quartz epidote	2 to 5	2-5% disseminated pyrite
G131953	534198	5469883	Channel 1.53 m	TB08117012	plagioclase feldspar porphyry		trace	trace disseminated pyrite.
G131954	534277	5470760	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131955	534278	5470760	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131956	534279	5470760	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131957	534279	5470760	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131958	534284	5470762	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (2) perv, Goss (1) patchy, Carb (2) veins/blebs	Tr to 1	Py +/- Po
G131959	534284	5470761	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (2) perv, Goss (1) patchy, Carb (2) veins/blebs	Tr to 1	Py +/- Po
G131960	534285	5470761	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (2) perv, Goss (1) patchy, Carb (2) veins/blebs	Tr to 1	Py +/- Po
G131961	534286	5470761	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (2) perv, Goss (1) patchy, Carb (2) veins/blebs	Tr to 1	Py +/- Po
G131962	534285	5470759	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (2) perv, Goss (1) patchy, Carb (2) veins/blebs	Tr to 1	Py +/- Po
G131963	534286	5470759	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (2) perv, Goss (1) patchy, Carb (2) veins/blebs	Tr to 1	Py +/- Po
G131965	534287	5470759	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (3) patchy, Chl (1) perv, Goss (2) patchy, Carb (2) veins/blebs	Tr to 1	Py +/- Po
G131966	534287	5470759	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (3) patchy, Chl (1) perv, Goss (2) patchy, Carb (2) veins/blebs	3 to 4	Py +/- Po
G131967	534287	5470758	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (3) patchy, Chl (1) perv, Goss (2) patchy, Carb (2) veins/blebs	3 to 4	Py +/- Po
G131968	534288	5470759	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (3) patchy, Chl (1) perv, Goss (2) patchy, Carb (2) veins/blebs	8 to 10	Py +/- Po

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G131969	534289	5470758	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (3) patchy, Chl (1) perv, Goss (2) patchy, Carb (2) veins/blebs	8 to 10	Py +/- Po
G131970	534289	5470759	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (3) patchy, Chl (1) perv, Goss (2) patchy, Carb (2) veins/blebs	8 to 10	Py +/- Po
G131971	534290	5470756	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	8 to 10	Py +/- Po
G131972	534291	5470755	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131973	534292	5470755	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131974	534292	5470755	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131975	534292	5470754	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131976	534293	5470755	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131977	534294	5470754	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131978	534295	5470754	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131979	534296	5470754	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131981	534296	5470752	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131982	534297	5470752	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (2) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131983	534298	5470752	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (2) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131984	534298	5470751	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (2) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131985	534298	5470751	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (2) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131986	534298	5470750	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131987	534299	5470749	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131988	534298	5470748	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs.	1 to 2	Py +/- Po

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G131989	534299	5470749	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131990	534299	5470747	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (1) patchy, Goss (3) patchy, Carb (2) veins/blebs.	1 to 2	Py +/- Po. Sample of a small very gossanous shear zone. May have higher sulphide percent than 1 to 2% however the shear is so oxidized it is impossible to ID the sulphides.
G131991	534300	5470748	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131993	534301	5470747	Chip	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G131994	534301	5470746	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (1) patchy, Goss (3) patchy, Carb (2) veins/blebs	3 to 4	Py +/- Po
G131995	534301	5470745	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (1) patchy, Goss (3) patchy, Carb (2) veins/blebs	5 to 6	Py +/- Po
G131996	534300	5470745	Chip	TB08126305	Conglomerate	Sil (3) perv, Bi (1) patchy, Goss (3) patchy, Carb (2) veins/blebs	5 to 6	Py +/- Po
G131997	534301	5470743	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (1) patchy, Carb (2) veins/blebs	Trace	Py +/- Po
G131998	534303	5470744	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (2) patchy, Chl (1) perv, Goss (1) patchy, Carb (3) Veins/blebs	3 to 4	Py +/- Po
G131999	534303	5470743	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (2) patchy, Chl (1) perv, Goss (1) patchy, Carb (3) Veins/blebs	3 to 4	Py +/- Po
G132000	534302	5470741	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (2) patchy, Chl (1) perv, Goss (1) patchy, Carb (3) Veins/blebs	3 to 4	Py +/- Po
G132001	534304	5470742	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (2) patchy, Chl (1) perv, Goss (1) patchy, Carb (3) Veins/blebs	3 to 4	Py +/- Po
G132002	534302	5470740	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (2) patchy, Chl (1) perv, Goss (1) patchy, Carb (3) Veins/blebs	3 to 4	Py +/- Po
G132003	534303	5470739	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (2) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	4 to 5	Py +/- Po
G132004	534304	5470738	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (2) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	4 to 5	Py +/- Po
G132005	534306	5470740	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (2) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G132006	534306	5470740	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (2) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132008	534305	5470736	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	4 to 5	Py +/- Po
G132009	534306	5470736	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Goss (1) patchy, Carb (2) veins/blebs	4 to 5	Py +/- Po
G132010	534309	5470737	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (3) patchy, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G132011	534310	5470737	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (3) patchy, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G132012	534308	5470733	Channel	TB08126305	Conglomerate	Sil (3) perv, Bi (3) patchy, Goss (1) patchy, Carb (2) veins/blebs	1 to 2	Py +/- Po
G132013	534310	5470733	Channel	TB08126305	Conglomerate	Chl (1) perv.	1 to 2	Py +/- Po
G132014	534311	5470733	Channel	TB08126305	Conglomerate	Chl (1) perv.	1 to 2	Py +/- Po
G132015	534313	5470734	Channel	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Carb (2) veins/blebs	3 to 4	Py +/- Po
G132016	534313	5470732	Chip	TB08126305	Conglomerate	Sil (2) perv, Bi (1) patchy, Chl (1) perv, Carb (2) veins/blebs	3 to 4	Py +/- Po
G132017	534473	5470533	Channel - 1.3m	TB08131788	Fg Mafic Volcanic	sil (2) perv, goss (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132018	534474	5470534	Channel - 1.3m	TB08131788	Fg Mafic Volcanic	sil (2) perv, goss (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132019	534475	5470535	Channel - 1.2m	TB08131788	Fg Mafic Volcanic	sil (2) perv, goss (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132021	534476	5470535	Channel - 1.2m	TB08131788	Fg Mafic Volcanic	sil (2) perv, goss (1) patchy, carb (1) veinlets	1-2%	Py +/-Po
G132022	534477	5470536	Channel - 1.3m	TB08131788	Fg Mafic Volcanic	sil (2) perv, goss (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132023	534478	5470537	Channel - 1.25m	TB08131788	Fg Mafic Volcanic	sil (2) perv, goss (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132024	534479	5470538	Channel - 1.2m	TB08131788	Fg Mafic Volcanic	sil (2) perv, goss (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132025	534480	5470538	Channel - 1.2m	TB08131788	Fg Mafic Volcanic	sil (2) perv, goss (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132026	534482	5470538	Channel - 0.95m	TB08131788	Fg Mafic Volcanic	sil (2) perv, goss (1) patchy, carb (1) veinlets	1-2%	Py +/-Po
G132027	534483	5470537	Channel - 1.2m	TB08131788	Fg Mafic Volcanic	sil (3) perv, goss (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132028	534484	5470537	Channel - 1.0m	TB08131788	Fg Mafic Volcanic	sil (3) perv, goss (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132029	534484	5470538	Channel - 0.75m	TB08131788	Fg Mafic Volcanic	sil (3) perv, goss (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132030	534484	5470539	Channel - 0.7m	TB08131788	Fg Mafic Volcanic	sil (3) perv, goss (1) patchy, carb (1) veinlets	2-5%	Py +/-Po
G132031	534485	5470539	Channel - 0.65m	TB08131788	Fg Mafic Volcanic	sil (3) perv, goss (1) patchy, carb (1) veinlets	2-5%	Py +/-Po
G132032	534486	5470539	Channel - 0.7m	TB08131788	Fg Mafic Volcanic	sil (3-4) perv, goss (1) patchy, chl (1-2) perv, bi (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132033	534487	5470538	Channel - 1.05m	TB08131788	Fg Mafic Volcanic	sil (3-4) perv, goss (1) patchy, chl (1-2) perv, bi (1) patchy, carb (1) veinlets	1-2%	Py +/-Po
G132035	534488	5470538	Channel - 1.2m	TB08131788	Fg Mafic Volcanic	sil (3-4) perv, goss (1) patchy, chl (1-2) perv, bi (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132036	534489	5470539	Channel - 1.3m	TB08131788	Fg Mafic Volcanic	sil (3-4) perv, goss (1) patchy, chl (1-2) perv, bi (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132037	534490	5470540	Channel - 1.25m	TB08131788	Fg Mafic Volcanic	sil (3-4) perv, goss (1) patchy, chl (1-2) perv, bi (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132038	534491	5470541	Channel - 1.15m	TB08131788	Mafic Meta-sandstone	sil (3-4) perv, goss (1) patchy, chl (1-2) perv, bi (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132039	534493	5470540	Channel - 0.85m	TB08131788	Mafic Meta-sandstone	sil (4) perv, goss (1) patchy, chl (1) perv, bi (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132040	534494	5470540	Channel - 0.8m	TB08131788	Mafic Meta-sandstone	sil (4) perv, goss (1) patchy, chl (1) perv, bi (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132041	534494	5470542	Channel - 1.0m	TB08131788	Conglomerate(?)	sil (4) perv, goss (1) patchy, chl (1) perv, bi (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132042	534524	5470552	Channel - 0.7m	TB08131788	Conglomerate	sil (3) perv, goss (1) patchy, chl (2) perv (in matrix), carb (1) veinlets	Trace	Py +/-Po
G132043	534525	5470551	Channel - 0.8m	TB08131788	Conglomerate	sil (3) perv, goss (1) patchy, chl (2) perv (in matrix), carb (1) veinlets	Trace	Py +/-Po
G132044	534527	5470552	Channel - 1.0m	TB08131788	Conglomerate	sil (2) perv, goss (1) patchy, chl (2) perv (in matrix), bi (1) patchy, carb (1) veinlets	1-2%	Py +/-Po
G132045	534528	5470553	Channel - 0.75m	TB08131788	Conglomerate	sil (2) perv, goss (1) patchy, chl (2) perv (in matrix), bi (2) patchy, carb (1) veinlets/blebs	1-2%	Py +/-Po
G132046	534528	5470552	Channel - 0.8m	TB08131788	Conglomerate	sil (2) perv, goss (1) patchy, chl (2) perv (in matrix), bi (2) patchy, carb (1) veinlets/blebs	1-2%	Py +/-Po
G132047	534529	5470551	Chip - 1.0m	TB08131788	Conglomerate	sil (2) perv, goss (1) patchy, chl (2) perv (in matrix), bi (2) patchy, carb (1) veinlets/blebs	1-2%	Py +/-Po
G132048	534530	5470553	Channel - 0.7m	TB08131788	Conglomerate	sil (3) perv, goss (1) patchy, chl (2) perv (in matrix), carb (1) veinlets	1-2%	Py +/-Po

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132049	534530	5470553	Channel - 0.6m	TB08131788	Conglomerate	sil (3) perv, goss (1) patchy, chl (2) perv (in matrix), carb (1) veinlets	1-2%	Py +/-Po
G132050	534531	5470552	Chip - 0.6m	TB08131788	Conglomerate	sil (3) perv, goss (1) patchy, chl (2) perv (in matrix), carb (1) veinlets	1-2%	Py +/-Po
G132051	534532	5470552	Channel - 1.1m	TB08131788	Mg Felsic Volcanic	sil (3) perv, goss (2) patchy,	1-2%	Py +/-Po
G132052	534532	5470553	Channel - 0.85m	TB08131788	Mg Felsic Volcanic	sil (3) perv, goss (2) patchy,	Tr-1%	Py +/-Po, test parallel to E-W fractures
G132053	534533	5470552	Channel - 0.95m	TB08131788	Mg Felsic Volcanic	sil (3) perv, goss (2) patchy,	Tr-1%	Py +/-Po, test parallel to E-W fractures
G132054	534533	5470553	Channel - 1.15m	TB08131788	Mg Felsic Volcanic	sil (3) perv, goss (2) patchy,	Tr-1%	Py +/-Po, test parallel to E-W fractures through some gossan patches
G132055	534533	5470554	Channel - 1.25m	TB08131788	Mg Felsic Volcanic	sil (3) perv, goss (2) patchy,	Tr-1%	Py +/-Po, test parallel to E-W fractures through some gossan patches
G132056	534535	5470552	Chip - 0.92m	TB08131788	Mg Felsic Volcanic	sil (3) perv, goss (2) patchy,	Trace	Py +/-Po, chip across rubble between felsic vol unit and mafic meta s.s. unit
G132058	534535	5470554	Grab	TB08131788	Mafic Meta-Sandstone + Quartz Vein	sil (1) perv, chl (1) perv, carb (1) perv,	Trace	Py +/-Po, grab of qtz/plag vein with late chlorite. Includes wallrock (mafic meta s.s.)
G132059	534536	5470553	Channel - 0.9m	TB08131788	Mafic Meta-Sandstone	sil (1) perv, chl (1) perv, carb (1) perv,	Trace	Py +/-Po, test across mafic meta s.s. unit
G132060	534536	5470552	Chip - 0.65m	TB08131788	Mafic Meta-Sandstone	sil (1) perv, chl (1) perv, carb (1) perv, chip across gossanous rubble	Trace	Py +/-Po
G132061	534537	5470552	Channel - 0.8m	TB08131788	Mg Felsic Volcanic	sil (3) perv, chl (1) perv, goss (1) patchy, carb (1) veinlets	Trace	Py +/-Po
G132062	534538	5470555	Channel - 0.8m	TB08131788	Mg Felsic Volcanic	sil (3) perv, chl (1) perv, goss (1) patchy, carb (1) veinlets	1-2%	Py +/-Po
G132063	534539	5470555	Channel - 0.8m	TB08131788	Mg Felsic Volcanic	sil (3) perv, chl (1) perv, goss (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132064	534540	5470555	Channel - 0.9m	TB08131788	Conglomerate	sil (2) perv, chl (2) perv, goss (1) patchy, carb (1) veinlets	Tr-1%	Py +/-Po
G132065	534541	5470554	Chip - 0.8m	TB08131788	Conglomerate	sil (2) perv, chl (2) perv, goss (1) patchy, carb (1) veinlets,	Tr-1%	Py +/-Po, chip across some gossanous rubble
G132066	534561	5470555	Channel - 0.85m	TB08131788	Fg Felsic Volcanic	sil (3) perv, goss (2) patchy, carb (1) perv/veinlets,	Tr-1%	Py +/-Po, testing across some fractures
G132067	534561	5470558	Channel - 0.7m	TB08131788	Fg Felsic Volcanic	sil (3) perv, goss (2) patchy, carb (1) perv/veinlets	1-2%	Py +/-Po
G132068	534562	5470557	Channel - 0.4m	TB08131788	Fg Felsic Volcanic	sil (3) perv, goss (2) patchy, carb (1) perv/veinlets	2-3%	Py +/-Po

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G132069	534563	5470558	Channel - 0.8m	TB08131788	Fg Felsic Volcanic	goss (4) perv,	2-3%	Py +/-Po, testing across a small shear - quite gossanous
G132070	534563	5470557	Channel - 0.4m	TB08131788	Fg Felsic Volcanic	sil (3) perv, goss (2) patchy, carb (1) perv/veinlets,	2-3%	Py +/-Po, testing a small unit that looks slightly different than the host rock (striking parallel to the shear zone)
G132071	534564	5470557	Channel - 0.8m	TB08131788	Fg Felsic Volcanic	sil (3) perv, goss (2) patchy, carb (1) perv/veinlets	2-3%	Py +/-Po
G132072	534565	5470557	Channel - 0.85m	TB08131788	Fg Felsic Volcanic	goss (3) patchy, sil (3) perv	3-4%	Py +/-Po
G132073	534566	5470557	Channel - 0.7m	TB08131788	QFP	seric (2) perv, goss (1) patchy	Tr-1%	Py +/-Po
G132075	534538	5470863	Channel 0.83 m	TB08131788	conglomerate		1 to 2	1-2% disseminated pyrite, subhedral to euhedral
G132076	534537	5470863	Channel 0.85 m	TB08131788	conglomerate		1 to 2	1-2% disseminated pyrite, subhedral to euhedral
G132077	534535	5470861	Channel 1.24 m	TB08131788	conglomerate		1 to 2	1-2% disseminated pyrite, subhedral to euhedral
G132078	534533	5470862	Channel 0.99 m	TB08131788	conglomerate		2 to 5	2-5% disseminated pyrite
G132079	534533	5470862	Channel 0.86 m	TB08131788	conglomerate		2 to 5	2-5% disseminated pyrite
G132080	534533	5470864	Channel 0.79 m	TB08131788	conglomerate		2 to 5	2-5% disseminated pyrite
G132081	534532	5470864	Channel 0.82 m	TB08131788	conglomerate		2 to 5	2-5% disseminated pyrite
G132082	534522	5470862	chip 0.71 m	TB08131788	siltstone		1 to 2	1-2% fine grained disseminated pyrite
G132083	534530	5470862	Channel 0.88 m	TB08131788	conglomerate		1 to 2	1-2% disseminated pyrite, some fine grained
G132084	534528	5470862	Channel 1.00 m	TB08131788	conglomerate		1 to 2	1-2% disseminated pyrite, some fine grained
G132086	534527	5470862	Channel 1.12 m	TB08131788	conglomerate		1 to 2	1-2% disseminated pyrite, some fine grained
G132087	534526	5470862	Channel 1.10 m	TB08131788	conglomerate		1 to 2	1-2% disseminated pyrite, some fine grained
G132088	534525	5470861	Channel 1.02 m	TB08131788	conglomerate		1 to 2	1-2% disseminated pyrite, some fine grained
G132089	534526	5470864	Channel 0.66 m	TB08131788	conglomerate		5	5% fine grained disseminated pyrite

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G132090	534524	5470860	chip 0.95 m	TB08131788	conglomerate		1 to 2	1-2% disseminated pyrite, some fine grained
G132091	534524	5470860	chip 1.02 m	TB08131788	conglomerate		1 to 2	1-2% disseminated pyrite, some fine grained
G132092	534522	5470861	Channel 0.91 m	TB08131788	conglomerate		2 to 4	2-4% disseminated pyrite
G132093	534522	5470862	grab	TB08131788	conglomerate		2 to 4	2-4% disseminated pyrite
G132094	534522	5470863	chip 0.86 m	TB08131788	conglomerate		2 to 4	2-4% disseminated pyrite
G132095	534521	5470863	Channel 0.68 m	TB08131788	conglomerate		2 to 4	2-4% disseminated pyrite
G132096	534517	5470862	Channel 1.00 m	TB08131788	conglomerate		5	5% fine grained disseminated pyrite
G132097	534516	5470862	Channel 1.19 m	TB08131788	conglomerate		5	5% fine grained disseminated pyrite
G132098	534515	5470861	Channel 0.49 m	TB08131788	conglomerate		5	5% fine grained disseminated pyrite
G132099	534514	5470861	Channel 0.77 m	TB08131788	conglomerate		5	5% fine grained disseminated pyrite
G132100	534513	5470861	Channel 0.80 m	TB08133360	conglomerate		5	5% fine grained disseminated pyrite
G132101	534512	5470861	Channel 1.01 m	TB08133360	conglomerate		5	5% fine grained disseminated pyrite
G132102	534511	5470861	Channel 0.70 m	TB08133360	conglomerate		5	5% disseminated pyrite
G132103	534510	5470861	Channel 1.10 m	TB08133360	conglomerate		5	5% disseminated pyrite
G132104	534509	5470861	Channel 0.85 m	TB08133360	sandstone (interbedded with conglomerate)		2 to 4	2-4% disseminated pyrite
G132105	534507	5470861	Channel 1.18 m	TB08133360	conglomerate		1 to 2	1-2% disseminated pyrite, fine grained
G132106	534506	5470861	Channel 0.65 m	TB08133360	conglomerate		1 to 2	1-2% disseminated pyrite
G132107	534505	5470861	Channel 0.74 m	TB08133360	conglomerate		1 to 2	1-2% disseminated pyrite
G132109	534504	5470861	Channel 0.97 m	TB08133360	conglomerate, possibly sandstone		1 to 2	1-2% disseminated pyrite
G132110	534503	5470861	Channel 0.99 m	TB08133360	conglomerate		1 to 2	1-2% disseminated pyrite, very fine grained in places

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G132111	534502	5470861	Channel 1.13 m	TB08133360	conglomerate		1 to 2	1-2% disseminated pyrite
G132112	534501	5470863	Channel 0.78 m	TB08133360	conglomerate		1 to 2	1-2% disseminated pyrite, some very fine grained
G132113	534501	5470863	grab	TB08133360	conglomerate or QP, in shear zone		2 to 5	2-5% light coloured fine grained disseminated pyrite
G132114	534495	5470863	Channel 1.11 m	TB08133360	quartz porphyry		3 to 5	3-5% fine grained disseminated pyrite
G132115	534494	5470863	Channel 0.52 m	TB08133360	quartz porphyry		3 to 5	3-5% fine grained disseminated pyrite
G132116	534486	5470863	Channel 0.85 m	TB08133360	fine grained mafic volcanic		5	5% pyrite and pyrrhotite, disseminated
G132117	534486	5470863	Channel 0.68 m	TB08133360	fine grained mafic volcanic		2 to 3	2-3% disseminated pyrrhotite
G132118	534486	5470862	Channel 0.83 m	TB08133360	fine grained mafic volcanic		1 to 2	1-2% pyrrhotite, patchy
G132119	534485	5470862	Channel 0.98 m	TB08133360	fine grained mafic volcanic		1 to 2	1-2% pyrrhotite, patchy
G132120	534485	5470862	Channel 0.97 m	TB08133360	fine grained mafic volcanic		1 to 2	1-2% pyrrhotite, patchy
G132121	534484	5470861	Channel 0.78 m	TB08133360	fine grained mafic volcanic		1 to 2	1-2% pyrrhotite, patchy
G132122	534489	5470863	Channel 0.86 m	TB08133360	fine grained mafic volcanic		2	1% pyrite, disseminated and patchy. 1% pyrrhotite, patchy.
G132123	534483	5470863	Channel 0.85 m	TB08133360	fine grained mafic volcanic		2	1% pyrite, disseminated and patchy. 1% pyrrhotite, patchy.
G132125	534482	5470863	Channel 0.96 m	TB08133360	fine grained mafic volcanic		2	1% pyrite, disseminated and patchy. 1% pyrrhotite, patchy.
G132126	534481	5470863	Channel 0.98 m	TB08133360	fine grained mafic volcanic		2	1% pyrite, disseminated and patchy. 1% pyrrhotite, patchy.
G132127	534483	5470862	grab	TB08133360	fine grained mafic volcanic		2 to 3	2-3% disseminated pyrrhotite in shear zone
G132128	534232	5471316	Chip 0.8m	TB08133360	mafic intrusive		5%py, 3%po	localy sheard belbs of py and vy fg pc
G132129	534231	5471316	Chip 0.85m	TB08133360	mafic intrusive		5%py, 3%po	localy sheard belbs of py and vy fg pc
G132130	534230	5471316	Chip 0.8m	TB08133360	mafic intrusive		5%py, 3%po	localy sheard belbs of py and vy fg pc
G132131	534229	5471315	Chip 0.8m	TB08133360	mafic intrusive		5%py, 3%po	localy sheard belbs of py and vy fg pc
G132133	534228	5471313	Channlel 0.8m	TB08133360	mafic intrusive		5%py, 3%po	localy sheard belbs of py and vy fg pc
G132134	534229	5471310	Channel 1.0m	TB08133360	mafic intrusive		5%py, 3%po	localy sheard belbs of py and vy fg pc
G132135	534228	5471311	Channel 0.9m	TB08133360	mafic intrusive		5%py, 3%po	localy sheard belbs of py and vy fg pc
G132136	534227	5471310	Channel 0.76m	TB08133360	mafic intrusive		5%py, 3%po	localy sheard belbs of py and vy fg pc

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G132137	534225	5471311	Channel 1.12m	TB08133360	mafic intrusive		5%py, 3%po	localy sheard belbs of py and vy fg pc
G132138	534225	5471313	Channel 0.85m	TB08133360	mafic intrusive		5%py, 3%po	localy sheard belbs of py and vy fg pc
G132139	534224	5471313	Channel 0.8m	TB08133360	mafic intrusive		5%py, 3%po	localy sheard belbs of py and vy fg pc
G132140	534222	5471314	Channel 0.75m	TB08133360	mafic intrusive		5%py, 2%po	belbs of py and vy fg po, also encoundered local shears with si alteration and higher py content
G132141	534221	5471314	Channel 0.75m	TB08133360	mafic intrusive		5%py, 2%po	belbs of py and vy fg po, also encoundered local shears with si alteration and higher py content
G132142	534221	5471314	Channel 0.5m	TB08133360	mafic intrusive		5%py, 2%po	belbs of py and vy fg po, also encoundered local shears with si alteration and higher py content
G132143	534220	5471315	Channel 0.5m	TB08133360	mafic intrusive		5%py, 2%po	belbs of py and vy fg po, also encoundered local shears with si alteration and higher py content
G132144	534219	5471314	Channel 0.48m	TB08133360	mafic intrusive (alteration hampers protolith identification)		5%py, 2%po	belbs of py and vy fg po, also encoundered local shears with si alteration and higher py content
G132145	534218	5471316	Channel 0.7m	TB08133360	mafic intrusive (alteration hampers protolith identification)		5%py, 2%po	belbs of py and vy fg po, also encoundered local shears with si alteration and higher py content
G132146	534217	5471315	Channel 1.15m	TB08133360	mafic intrusive (alteration hampers protolith identification)		5%py, 2%po	belbs of py and vy fg po, also encoundered local shears with si alteration and higher py content
G132147	534218	5471313	Channel 0.8m	TB08133360	mafic intrusive (alteration hampers protolith identification)		5%py, tr po	fg py and some cubes in zone of high si alteration
G132148	534216	5471316	Channel 0.7m	TB08133360	mafic intrusive (alteration hampers protolith identification)		5%py, tr po	fg py and some cubes in zone of high si alteration
G132149	534215	5471315	Channel 0.75m	TB08133360	mafic intrusive (alteration hampers protolith identification)		5%py, tr po	fg py and some cubes in zone of high si alteration

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132150	534216	5471313	Chip 0.65m	TB08133360	mafic intrusive (alteration hampers protolith identification)		5%py, tr po	fg py and some cubes in zone of high si alteration
G132151	534214	5471317	Channel 0.7m	TB08133360	mafic intrusive (alteration hampers protolith identification)		5%py, tr po	fg py and some cubes in zone of high si alteration
G132152	534213	5471317	Channel 1.0m	TB08133360	mafic intrusive (alteration hampers protolith identification)		15%py	as blebs and dismenated
G132153	534212	5471317	Channel 0.3m	TB08133360	mafic intrusive (alteration hampers protolith identification)		15%py	as blebs and dismenated
G132154	534212	5471318	Channel 0.9m	TB08133360	mafic intrusive (alteration hampers protolith identification)		15%py	as blebs and dismenated
G132156	534209	5471318	Channel 0.85m	TB08133360	sediments m to fg, loc qz eyes, mafic to int comp		1%py 1%po	as very fg desimanted sulphides
G132157	534208	5471318	Channel 0.8m	TB08133360	sediments m to fg, loc qz eyes, mafic to int comp		1%py 1%po	as very fg desimanted sulphides
G132158	534207	5471318	Channel 0.8m	TB08133360	sediments m to fg, loc qz eyes, mafic to int comp		1%py 1%po	as very fg desimanted sulphides
G132159	534206	5471318	Channel 0.9m	TB08133360	sediments m to fg, loc qz eyes, mafic to int comp		1%py 1%po	as very fg desimanted sulphides
G132160	534204	5471319	Channel 1.0m	TB08133360	sediments m to fg, loc qz eyes, mafic to int comp		1%py 1%po	as very fg desimanted sulphides
G132161	534203	5471319	Channel 0.95m	TB08133360	sediments m to fg, loc qz eyes, mafic to int comp		1%py 1%po	as very fg desimanted sulphides

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132162	534202	5471319	Channel 0.75m	TB08133360	sediments m to fg, loc qz eyes, mafic to int comp		1%py 1%po	as very fg desimanted sulphides
G132163	534201	5471319	Channel 1.0m	TB08133360	sediments m to fg, loc qz eyes, mafic to int comp		1%py 1%po	as very fg desimanted sulphides
G132164	534200	5471319	Channel 0.85m	TB08133360	felsic volcanic		1%py	as fg desimanted sulphides
G132165	534199	5471319	Channel 0.8m	TB08133360	felsic volcanic		1%py	as fg desimanted sulphides
G132166	534198	5471317	Channel 1.2m	TB08133360	felsic volcanic		1%py	as fg desimanted sulphides
G132167	534197	5471317	Channel 0.7m	TB08133360	felsic volcanic		1%py	as fg desimanted sulphides
G132168	534196	5471318	Channel 1.0m	TB08133360	felsic volcanic		1%py	as fg desimanted sulphides
G132169	534195	5471319	Channel 1.0m	TB08133360	felsic volcanic		1%py	as fg desimanted sulphides
G132171	534194	5471319	Channel 0.8m	TB08133360	conglomerate in mafic matrix		2%	fg py and up to 5% py assocated with highter si altered zones
G132172	534193	5471319	Channel 0.65m	TB08133360	conglomerate in mafic matrix		2%	fg py and up to 5% py assocated with highter si altered zones
G132173	534192	5471319	Channel 0.8m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones
G132174	534191	5471319	Channel 0.7m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones
G132175	534191	5471318	Channel 0.6m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones
G132176	534230	5471315	Grab	TB08133360	mafic intrusive		35%	vy fg py and belbs of py with high degree of si alteration
G132177	534222	5471313	Grab	TB08133360	mafic intrusive		30%	belbs of py with high degree of si alteration
G132178	534219	5471313	Grab	TB08133360	mafic intrusive		30%	belbs of py with high degree of si alteration
G132179	534215	5471314	Grab	TB08133360	mafic intrusive		25%	fg py and cubes in highly Si altered zone
G132180	534191	5471319	Channel 0.5m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones
G132181	534190	5471319	Channel 0.8m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones
G132182	534189	5471319	Channel 0.6m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones
G132183	534189	5471320	Channel 0.7m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones
G132184	534188	5471322	Channel 0.9m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132185	534186	5471322	Channel 0.55m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones
G132186	534185	5471318	Channel 0.8m	TB08133360	fg mafic sediments		5%	fg py and up to 5% py assocated with highter si altered zones
G132187	534185	5471318	Channel 0.85m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones
G132188	534185	5471321	Channel 0.8m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones
G132189	534184	5471321	Channel 0.7m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones
G132190	534183	5471322	Channel 0.6m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones
G132191	534182	5471321	Channel 0.85m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones
G132193	534181	5471322	Channel 1.0m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones
G132194	534180	5471318	Channel 0.75m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones
G132195	534179	5471319	Channel 0.8m	TB08133360	fg mafic sediments		2%	fg py and up to 5% py assocated with highter si altered zones
G132196	534178	5471321	Channel 0.8m	TB08133360	felsic volcanic		10%	fg desimanited py , assocated with si alteration at contact of two units
G132197	534177	5471321	Channel 0.75m	TB08133360	felsic volcanic		10%	fg desimanited py , assocated with si alteration at contact of two units
G132198	534177	5471319	Channel 0.7m	TB08133360	felsic volcanic		10%	fg desimanited py , assocated with si alteration at contact of two units
G132199	534176	5471319	Channel 0.75m	TB08133360	felsic volcanic		10%	fg desimanited py , assocated with si alteration at contact of two units
G132200	534176	5471319	Channel 0.8m	TB08135043	felsic volcanic		tr	fg desimanted
G132201	534174	5471319	Channel 0.8m	TB08135043	felsic volcanic		tr	fg desimanted
G132202	534175	5471321	Channel 1.1m	TB08135043	felsic volcanic		tr	fg desimanted
G132203	534174	5471321	Channel 0.6m	TB08135043	felsic volcanic		tr	fg desimanted
G132204	534174	5471321	Channel 0.55m	TB08135043	mafic dike		0	dead, not altered
G132205	534173	5471319	Channel 0.6m	TB08135043	mafic dike		0	dead, not altered
G132206	534172	5471321	Channel 0.9m	TB08135043	felsic volcanic		tr	fg desimanted, with loc py veins
G132207	534163	5471322	Channel 0.6m	TB08135043	intermidate sediments silt size		5	fg desimanted, with loc py veins
G132208	534162	5471322	Channel 1.0m	TB08135043	intermidate sediments silt size		5	fg desimanted, with loc py veins

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132209	534163	5471323	Channel 0.9m	TB08135043	intermidate sediments silt size		5	fg desimanted, with loc py veins
G132210	534162	5471321	Channel 0.7m	TB08135043	mafic intrusive		8	fg py and vy fg po
G132211	534162	5471325	Channel 0.8m	TB08135043	intermidate sediments silt size		5	fg desimanted
G132212	534162	5471325	Channel 0.85m	TB08135043	intermidate sediments silt size		5	fg desimanted
G132213	534162	5471324	Channel 0.95m	TB08135043	intermidate sediments silt size		5	fg desimanted
G132214	534162	5471323	Channel 0.7m	TB08135043	intermidate sediments silt size		5	fg desimanted
G132216	534160	5471321	Channel 0.75m	TB08135043	mafic intrusive		8	fg py and vy fg po
G132217	534160	5471322	Chip 0.6m	TB08135043	mafic intrusive		8	fg py and vy fg po
G132218	534159	5471322	Channel 0.8m	TB08135043	mafic intrusive		8	fg py and vy fg po
G132219	534158	5471323	Chip 0.5m	TB08135043	mafic intrusive		8	fg py and vy fg po
G132220	534157	5471323	Channel 0.9m	TB08135043	intermidate sediments silt size		5	fg desimanted
G132221	534157	5471324	Channel 1.1m	TB08135043	intermidate sediments silt size		5	fg desimanted
G132222	534156	5471321	Channel 0.6m	TB08135043	mafic intrusive		8	fg py and vy fg po
G132223	534155	5471322	Chip 0.6m	TB08135043	mafic intrusive		8	fg py and vy fg po
G132224	534155	5471322	Channel 1.0m	TB08135043	mafic intrusive		8	fg py and vy fg po
G132225	534154	5471323	Channel 0.8m	TB08135043	f.g. felsic volcanic		3	small py blebs
G132226	534154	5471323	Channel 1.05m	TB08135043	f.g. felsic volcanic		3	small py blebs
G132227	534153	5471323	Channel 0.8m	TB08135043	f.g. felsic volcanic		3	small py blebs
G132228	534152	5471323	Channel 0.75m	TB08135043	f.g. felsic volcanic		3	small py blebs
G132229	534152	5471324	Channel 0.95m	TB08135043	f.g. felsic volcanic		3	small py blebs
G132231	534151	5471324	Channel 0.8m	TB08135043	f.g. felsic volcanic		3	small py blebs
G132232	534150	5471325	Channel 0.9m	TB08135043	f.g. felsic volcanic		3	small py blebs
G132233	534150	5471326	Channel 0.9m	TB08135043	f.g. felsic volcanic		3	small py blebs
G132234	534148	5471325	Channel 0.7m	TB08135043	f.g. felsic volcanic		3	small py blebs
G132235	534148	5471328	Channel 0.9m	TB08135043	intd sst		1	fg py and loc blebs
G132236	534148	5471328	Channel 0.65m	TB08135043	intd sst		1	fg py and loc blebs
G132237	534147	5471329	Channel 1.2m	TB08135043	intd sst		1	fg py and loc blebs
G132238	534145	5471329	Channel 1.0m	TB08135043	intd sst		1	fg py and loc blebs
G132239	534173	5471384	Channel 0.85m	TB08135043	felsic volancic feldspar por with loc clastic sections		tr	fg diseminated py

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132241	534172	5471384	Channel 0.9m	TB08135043	felsic volancic feldspar por with loc clastic sections		tr	fg diseminated py
G132242	534173	5471382	Channel 0.8m	TB08135043	felsic volancic feldspar por with loc clastic sections		tr	fg diseminated py
G132243	534173	5471381	Channel 0.8m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132244	534174	5471380	Channel 0.85m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132245	534173	5471379	Channel 0.85m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132246	534172	5471378	Channel 1.0m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132247	534171	5471377	Channel 0.7m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132248	534170	5471375	Channel 0.55m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132249	534171	5471374	Channel 0.65m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132250	534172	5471374	Channel 0.7m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132251	534171	5471372	Channel 0.8m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132252	534172	5471372	Channel 0.8m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132253	534173	5471371	Channel 0.85m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132254	534170	5471370	Channel 1.1m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132255	534171	5471370	Channel 0.9m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132256	534172	5471369	Channel 0.9m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132257	534169	5471366	Channel 1.0m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132258	534170	5471366	Channel 0.8m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132259	534170	5471365	Channel 0.75m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132260	534173	5471365	Channel 0.8m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132261	534172	5471364	Channel 0.8m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132262	534172	5471363	Channel 0.75m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132264	534172	5471362	Channel 0.7m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132265	534172	5471361	Channel 0.65m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132266	534170	5471361	Grab	TB08135043	felsic volancic feldspar por with loc clastic sections		0	milky qz vein no sulphides
G132267	534168	5471354	Grab	TB08135043	felsic volancic feldspar por with loc clastic sections		5	fg diseminated py, and very loc si alteration
G132268	534169	5471354	Channel 1.0m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132269	534170	5471354	Channel 0.95m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132270	534170	5471352	Channel 0.85m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132271	534169	5471350	Channel 1.0m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132272	534165	5471345	Channel 1.0m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132274	534165	5471344	Channel 1.0m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132275	534164	5471342	Channel 0.95m	TB08135043	felsic volancic feldspar por with loc clastic sections		1	fg diseminated py
G132276	533992	5471335	Channel 0.95m	TB08135043	fg mafic	sulphides dis(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	5%	py
G132277	533993	5471334	Channel 0.75m	TB08135043	fg mafic	sulphides dis(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	5%	py
G132278	533994	5471334	Channel 0.80m	TB08135043	fg mafic	sulphides dis(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	10%	py
G132279	533994	5471336	Channel 1.15m	TB08135043	fg mafic	sulphides dis(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	10%	py, +/-po
G132280	533995	5471337	Channel 1.0m	TB08135043	fg mafic	sulphides dis(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	15%	py, +/-po
G132281	533996	5471333	Channel 0.95m	TB08135043	fg mafic	sulphides dis, locally patchy(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	10%	py, +/-po
G132282	533997	5471333	Channel 1.20m	TB08135043	fg mafic	sulphides dis(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	10%	py, +/-po
G132284	533996	5471335	Channel 1.0m	TB08135043	fg mafic	sulphides dis(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	15%	py, +/-po

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132285	534000	5471332	Channel 1.2m	TB08135043	fg mafic	sulphides dis, stringers(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	10%	py, +/-po
G132286	534001	5471333	Channel 0.5m	TB08135043	fg mafic	sulphides dis, stringers(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	5%	py, +/-po
G132287	534001	5471334	Channel 0.9m	TB08135043	fg mafic	sulphides dis, locally patchy(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	10%	py, +/-po
G132288	534002	5471333	Channel 1.2m	TB08135043	fg mafic	sulphides dis(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	10%	py, +/-po
G132289	533997	5471337	Channel 0.9m	TB08135043	fg mafic	sulphides dis(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	5%	py, +/-po
G132290	533998	5471337	Channel 0.75m	TB08135043	fg mafic	sulphides dics, locally patchy(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	10%	py, +/-po
G132291	533999	5471336	Channel 0.95m	TB08135043	fg mafic	sulphides dis(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	15%	py, +/-po
G132292	534001	5471332	Channel 0.9m	TB08135043	fg mafic	sulphides dis, stringers(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	15%	py, +/-po
G132293	534002	5471331	Channel 0.9m	TB08135043	fg mafic	sulphides dis(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	10%	py, +/-po
G132294	534004	5471336	Channel 0.8m	TB08135043	fg mafic	sulphides dis(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	trace	py
G132295	534005	5471335	Channel 0.95m	TB08135043	fg mafic	sulphides dis(bi4,chl4,si3),2-3cm amg, dark gery to black, chl veinlets and veins	trace	py

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132296	534006	5471335	Channel 1.0m	TB08135043	fg mafic	sulphides dis(bi3,chl3,si1),2-3cm amg, dark gery to black, chl veinlets and veins	5%	py
G132297	534007	5471334	Channel 0.95m	TB08135043	fg mafic	sulphides dis(bi3,chl3,si1),2-3cm amg, dark gery to black, chl veinlets and veins	5%	py
G132298	534005	5471337	Channel 1.15m	TB08135043	fg mafic	sulphides dis(bi4,chl4,si3),2-3cm amg, dark gery to black, chl veinlets and veins	trace	py
G132299	534007	5471336	Channel 1.0m	TB08135043	fg mafic	sulphides dis(bi4,chl4,si3),2-3cm amg, dark gery to black, chl veinlets and veins	1%	py
G132300	534008	5471336	Channel 0.8m	TB08137713	fg mafic	sulphides dis(bi4,chl4,si3),2-3cm amg, dark gery to black, chl veinlets and veins	1%	py
G132301	534009	5471336	Channel 0.95m	TB08137713	fg mafic	sulphides (bi4,chl4,si3),2-3cm amg, dark gery to black, chl veinlets and veins	3%	py
G132302	534011	5471337	Channel 0.8m	TB08137713	fg mafic	sulphides dis, blebs(bi3,chl3,si3),2-3cm amg, dark gery to black, chl veinlets and veins	5%	py
G132303	534012	5471338	Channel 1.15m	TB08137713	fg mafic	sulphides blebs(bi3,chl3,si3),2-3cm amg, dark gery to black, chl veinlets and veins	3%	py
G132304	534011	5471335	Channel 1.20m	TB08137713	fg mafic	sulphides blebs(bi2,chl2,si2),2-3cm amg, dark gery to black, chl veinlets and veins	5%	py
G132305	534009	5471334	Channel 1.10m	TB08137713	fg mafic	sulphides disb(bi2,chl2,si2),2-3cm amg, dark gery to black, chl veinlets and veins	1%	py
G132306	534012	5471336	Channel 1.10m	TB08137713	fg mafic	sulphides blebs(bi3,chl3,si3),2-3cm amg, dark gery to black, chl veinlets and veins	5%	py
G132307	534013	5471336	Channel 1.20m	TB08137713	fg mafic	sulphides blebs, dis(bi3,chl3,si3),2-3cm amg, dark gery to black, chl veinlets and veins	5%	py
G132309	534014	5471337	Channel 1.30m	TB08137713	fg mafic	sulphides dis, blebs(bi3,chl3,si3),2-3cm amg, dark gery to black, chl veinlets and veins	3%	py

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132310	534016	5471337	Channel 0.8m	TB08137713	fg mafic	sulphides dis(bi3,chl3,si3),2-3cm amg, dark gery to black, chl veinlets and veins	5%	py
G132311	534017	5471336	Channel 0.65m	TB08137713	highly altered fg mafic	sulphides blebs(bi3,chl4,si4),strongly altered by chl and qtz veins, carbonates found within/around the vein	5%	py
G132312	534018	5471337	Channel 0.8m	TB08137713	highly altered fg mafic	sulphides blebs(bi3,chl4,si4),strongly altered by chl and qtz veins, carbonates found within/around the vein	5%	py
G132313	534001	5471331	Channel 1.0m	TB08137713	fg mafic	sulphides dis, stringers(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	15%	py,+/-po
G132314	534002	5471330	Channel 0.8m	TB08137713	fg mafic	sulphides stringers(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	10%	py,+/-po
G132315	534003	5471329	Channel 0.9m	TB08137713	fg mafic	sulphides dis(bi2,chl2,si1),2-3cm amg, dark gery to black, chl veinlets and veins	10%	py,+/-po
G132316	534006	5471333	Channel 1.15m	TB08137713	fg mafic	sulphides dis(bi3,chl3,si1),2-3cm amg, dark gery to black, chl veinlets and veins	10%	py
G132317	534006	5471332	Channel 0.60m	TB08137713	fg mafic	sulphides dis(bi3,chl3,si1),2-3cm amg, dark gery to black, chl veinlets and veins	15%	py
G132318	534006	5471331	Channel 0.7m	TB08137713	fg mafic	sulphides dis(bi2,chl2,si2),2-3cm amg, dark gery to black, chl veinlets and veins	15%	py
G132319	534006	5471330	Channel 1.10m	TB08137713	fg mafic	sulphides (bi2,chl2,si2),2-3cm amg, dark gery to black, chl veinlets and veins	5%	py
G132320	534006	5471328	Channel 1.20m	TB08137713	fg mafic	sulphides dis(bi2,chl2,si2),2-3cm amg, dark gery to black, chl veinlets and veins	5%	py
G132321	534007	5471327	Channel 1.20m	TB08137713	fg mafic	sulphides dis(bi2,chl2,si2),2-3cm amg, dark gery to black, chl veinlets and veins	5%	py

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132322	534002	5471329	Channel 1.0m	TB08137713	fg mafic	sulphides dis, stringers(bi3,chl1,si1),2-3cm amg, dark gery to black, chl veinlets and veins	15%	py,+/-po
G132323	534002	5471328	Channel 0.95m	TB08137713	fg mafic	sulphides dis,stringers(bi2,chl2,si1),dark gery to black, fine grain, 1-3mm chl veinlets, 2-3cm white, soft, amgs(?) found, some areas have 2-5mm white, soft, angular subhedral vein salvages(?) are found	10%	py,+/-po
G132324	534003	5471327	Channel 0.8m	TB08137713	fg mafic	sulphides (bi3,chl1,si1),dark gery to black, fine grain, 1-3mm chl veinlets, 2-3cm white, soft, amgs(?) found, some areas have 2-5mm white, soft, angular subhedral vein salvages(?) are found	trace	py
G132325	534004	5471326	Channel 0.75m	TB08137713	fg mafic	sulphides (bi3,chl1,si1),dark gery to black, fine grain, 1-3mm chl veinlets, 2-3cm white, soft, amgs(?) found, some areas have 2-5mm white, soft, angular subhedral vein salvages(?) are found	trace	py
G132326	534004	5471325	Channel 0.65m	TB08137713	fg mafic	sulphides (bi3,chl1,si1),dark gery to black, fine grain, 1-3mm chl veinlets, 2-3cm white, soft, amgs(?) found, some areas have 2-5mm white, soft, angular subhedral vein salvages(?) are found	5%	py
G132327	534005	5471325	Channel 0.55m	TB08137713	fg mafic	sulphides (bi3,chl1,si1),dark gery to black, fine grain, 1-3mm chl veinlets, 2-3cm white, soft, amgs(?) found, some areas have 2-5mm white, soft, angular subhedral vein salvages(?) are found	10%	py

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132328	534003	5471322	Channel 1.0m	TB08137713	fg mafic	sulphides (bi3,chl1,si1),dark gery to black, fine grain, 1-3mm chl veinlets, 2-3cm white, soft, amgs(?) found, some areas have 2-5mm white, soft, angular subhedral vein salvages(?) are found	10%	py
G132329	534003	5471320	Channel 1.05m	TB08137713	gabbro	sulphides dis, blebs, stringers(bi3,chl1,si1),med to coarse grain mafic, 1-3mm hbl, rough surface fabric @240, 2-3cm white, soft amg(?)	po 5%, py 25%	py, po
G132330	534004	5471318	Channel 1.1m	TB08137713	gabbro	sulphides dis, blebs, stringers(bi2,chl1,si1),med to coarse grain mafic, 1-3mm hbl, rough surface fabric @240, 2-3cm white, soft amg(?)	po 1%, py 20%	py,po
G132331	534005	5471319	Channel 0.85m	TB08137713	highly alteredfg mafic(?)	sulphides blebs, stringers(bi2,chl1,si1),highly sheared zone running @ 140, highly gossan, highly altered to figure out lithology	po 1%, py 20%	py,po
G132332	534006	5471319	Channel 0.75m	TB08137713	highly alteredfg mafic(?)	sulphides blebs, stringers(bi3,chl3,si4),highly sheared zone running @ 140, highly gossan, highly altered to figure out lithology	po 1%, py 20%	py,po
G132333	534006	5471317	Channel 0.8m	TB08137713	highly alteredfg mafic(?)	sulphides blebs, stringers(bi3,chl3,si4),highly sheared zone running @ 140, highly gossan, highly altered to figure out lithology	po 3%, py 20%	py,po
G132335	534005	5471317	Channel 1.10m	TB08137713	gabbro	sulphides dis, blebs(bi2,chl1,si1),	po 1%, py 15%	py,po
G132336	534004	5471316	Channel 0.7m	TB08137713	gabbro	sulphides dis(bi3,chl1,si1),"	po trace, py 15%	py,po
G132337	534002	5471315	Channel 0.9m	TB08137713	gabbro	sulphides dis(bi2,chl1,si1),"	10%	py,po
G132338	534006	5471315	Channel 1.0m	TB08137713	fg mafic(?)	sulphides dis, blebs(bi3,chl1,si1),highly sheared zone running @ 140, highly gossan, highly altered to figure out lithology	po 1%, py 25%	py,po

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132339	534003	5471314	Channel 0.95m	TB08137713	gabbro	sulphides dis(bi2,chl1,si1),med to coarse grain mafic, 1-3mm hbl, rough surface fabric @240, 2-3cm white, soft amg(?)	15%	py,po
G132340	534004	5471313	Channel 0.9m	TB08137713	gabbro	sulphides dis(bi2,chl1,si1),med to coarse grain mafic, 1-3mm hbl, rough surface fabric @240, 2-3cm white, soft amg(?)	po 1%, py 15%	py,po
G132341	534005	5471312	Channel 0.8m	TB08137713	gabbro	sulphides (bi2,chl1,si1),med to coarse grain mafic, 1-3mm hbl, rough surface fabric @240, 2-3cm white, soft amg(?)	po 1%, py 15%	py,po
G132342	534006	5471311	Channlel 1.10m	TB08137713	gabbro	sulphides (bi3,chl1,si1),med to coarse grain mafic, 1-3mm hbl, rough surface fabric @240, 2-3cm white, soft amg(?)	po 1%, py 15%	py,po
G132343	534003	5471310	Channel 0.5m	TB08137713	gabbro	sulphides (bi3,chl1,si1),med to coarse grain mafic, 1-3mm hbl, rough surface fabric @240, 2-3cm white, soft amg(?)	po 1%, py 15%	py,po
G132344	534004	5471310	Channel 0.85m	TB08137713	gabbro	sulphides dis, blebs(bi2,chl1,si1),med to coarse grain mafic, 1-3mm hbl, rough surface fabric @240, 2-3cm white, soft amg(?)	10%	py
G132345	534004	5471300	Channel 0.7m	TB08137713	fg mafic	sulphides dis(bi3,chl1,si2),fine grain, dark grey, rough fabric going @ 220, 2-3cm white, soft amg(?) visible	10%	py
G132346	534001	5471298	Channel 1.15m	TB08137713	fg mafic	sulphides dis(bi3,chl1,si2),fine grain, dark grey, rough fabric going @ 220, 2-3cm white, soft amg(?) visible	15%	py
G132347	534002	5471297	Channel 0.7m	TB08137713	fg mafic	sulphides dis(bi3,chl1,si2),fine grain, dark grey, rough fabric going @ 220, 2-3cm white, soft amg(?) visible	10%	py

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132348	534003	5471296	Channel 0.8m	TB08137713	fg mafic	sulphides dis(bi3,chl1,si2),fine grain, dark grey, rough fabric going @ 220, 2-3cm white, soft amg(?) visible	10%	py
G132349	534003	5471295	Channel 1.0m	TB08137713	fg mafic	sulphides dis(bi3,chl1,si2),fine grain, dark grey, rough fabric going @ 220, 2-3cm white, soft amg(?) visible	10%	py
G132350	534002	5471295	Channel 0.8m	TB08137713	fg mafic	sulphides dis, bleb(bi3,chl1,si2),fine grain, dark grey, rough fabric going @ 220, 2-3cm white, soft amg(?) visible	15%	py
G132351	533999	5471295	Channel 1.0m	TB08137713	fg mafic	sulphides dis(bi3,chl1,si2),fine grain, dark grey, rough fabric going @ 220, 2-3cm white, soft amg(?) visible	10%	py
G132352	534000	5471295	Channel 0.95m	TB08137713	fg mafic	sulphides dis, blebs(bi3,chl1,si2),fine grain, dark grey, rough fabric going @ 220, 2-3cm white, soft amg(?) visible	10%	py
G132353	533999	5471293	Channel 0.85m	TB08137713	fg mafic	sulphides dis(bi3,chl1,si2),fine grain, dark grey, rough fabric going @ 220, 2-3cm white, soft amg(?) visible	5%	py
G132354	534000	5471289	Channel 0.8m	TB08137713	fg mafic	sulphides dis, blebs(bi3,chl1,si1),dark gery to black, surface fabrib going @ 220	20%	py,+/-po
G132355	534001	5471288	Channel 0.8m	TB08137713	fg mafic	sulphides dis, blebs(bi3,chl1,si1),dark gery to black, surface fabrib going @ 221	15%	py,+/-po
G132356	534002	5471287	Channel 0.6m	TB08137713	fg mafic	sulphides dis, blebs(bi3,chl1,si1),dark gery to black, surface fabrib going @ 222	25%	py,+/-po
G132357	534001	5471286	Channel 0.9m	TB08137713	fg mafic	sulphides dis, blebs(bi3,chl1,si1),dark gery to black, surface fabrib going @ 223	25%	py,+/-po
G132358	534001	5471285	Channel 0.8m	TB08137713	fg mafic	sulphides dis, blebs(bi3,chl1,si1),dark gery to black, surface fabrib going @ 224	20%	py, +/-po

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132359	533999	5471285	Channel 0.7m	TB08137713	fg mafic	sulphides dis, blebs(bi3,chl1,si1),dark gery to black, surface fabrib going @ 225	20%	py,+/-po
G132360	533999	5471284	Channel 0.65m	TB08137713	pillows(?)	sulphides dis(bi3,chl1,si1),dark gery to black, surface fabrib going @ 220, at 48m pillow salvages replaced by green (chl?) mineral	20%	py, +/-po
G132361	533999	5471283	Channel 0.9m	TB08137713	pillows(?)	sulphides dis(bi3,chl1,si1),dark gery to black, surface fabrib going @ 220, at 48m pillow salvages replaced by green (chl?) mineral	20%	py, +/-po
G132362	533865	5471223	Channel 0.63 m	TB08137713	mafic volcanic		5	py, po, as
G132363	533864	5471223	Channel 0.99 m	TB08137713	mafic volcanic		5	py, po, as
G132365	533863	5471224	Channel 0.78 m	TB08137713	mafic volcanic		3	2% pyrrhotite, patchy clots and disseminated. Up to 1% patchy pyrite, locally.
G132366	533862	5471225	Channel 0.92 m	TB08137713	mafic volcanic		3	2% pyrrhotite, patchy clots and disseminated. Up to 1% patchy pyrite, locally.
G132367	533862	5471226	Channel 0.98 m	TB08137713	mafic volcanic		3	2% pyrrhotite, patchy clots and disseminated. Up to 1% patchy pyrite, locally.
G132368	533860	5471224	Channel 1.00 m	TB08137713	mafic volcanic		3	2% pyrrhotite, patchy clots and disseminated. Up to 1% patchy pyrite, locally.
G132369	533859	5471224	Channel 0.84 m	TB08137713	mafic volcanic		3	2% pyrrhotite, patchy clots and disseminated. Up to 1% patchy pyrite, locally.
G132370	533858	5471225	Channel 0.86 m	TB08137713	mafic volcanic		3	2% pyrrhotite, patchy clots and disseminated. Up to 1% patchy pyrite, locally.
G132371	533857	5471225	Channel 0.81 m	TB08137713	mafic volcanic		3	2% pyrrhotite, patchy clots and disseminated. Up to 1% patchy pyrite, locally.
G132372	533858	5471223	Channel 0.88 m	TB08137713	mafic volcanic		3	2% pyrrhotite, patchy clots and disseminated. Up to 1% patchy pyrite, locally.

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132373	533857	5471224	Channel 0.88 m	TB08137713	mafic volcanic		3	2% pyrrhotite, patchy clots and disseminated. Up to 1% patchy pyrite, locally.
G132374	533855	5471227	Channel 1.03 m	TB08137713	mafic volcanic		up to 3	2% patchy and disseminated pyrrhotite, <1% disseminated pyrite
G132375	533853	5471223	Channel 0.46 m	TB08137713	mafic volcanic		up to 3	2% patchy and disseminated pyrrhotite, <1% disseminated pyrite
G132376	533853	5471224	Channel 0.85 m	TB08137713	mafic volcanic		up to 3	2% patchy and disseminated pyrrhotite, <1% disseminated pyrite
G132377	533852	5471224	Channel 0.94 m	TB08137713	mafic volcanic		up to 3	2% patchy and disseminated pyrrhotite, <1% disseminated pyrite
G132378	533851	5471225	Channel 0.85 m	TB08137713	mafic volcanic		up to 3	2% patchy and disseminated pyrrhotite, <1% disseminated pyrite
G132380	533850	5471226	Channel 0.67 m	TB08137713	mafic volcanic		up to 3	2% patchy and disseminated pyrrhotite, <1% disseminated pyrite
G132381	533851	5471223	Channel 0.85 m	TB08137713	mafic volcanic		up to 3	2% patchy and disseminated pyrrhotite, <1% disseminated pyrite
G132382	533849	5471223	Channel 1.04 m	TB08137713	mafic volcanic		up to 3	2% patchy and disseminated pyrrhotite, <1% disseminated pyrite
G132383	533850	5471226	Channel 0.77 m	TB08137713	mafic volcanic		up to 3	2% patchy and disseminated pyrrhotite, <1% disseminated pyrite
G132384	533849	5471226	Channel 0.96 m	TB08137713	mafic volcanic		2	2% pyrrhotite, in patches
G132385	533849	5471229	Channel 1.00 m	TB08137713	mafic volcanic		2	2% pyrrhotite, in patches
G132386	533850	5471230	Channel 1.14 m	TB08137713	mafic volcanic		2	2% pyrrhotite, in patches
G132387	533850	5471231	Channel 1.04 m	TB08137713	mafic volcanic		2	2% pyrrhotite, in patches
G132388	533850	5471232	Channel 0.77 m	TB08137713	mafic volcanic		2	2% pyrrhotite, in patches
G132390	533852	5471235	Channel 0.82 m	TB08137713	mafic volcanic		less than 1	less than 1% pyrite or pyrrhotite, patchy
G132391	533851	5471235	Channel 0.70 m	TB08137713	mafic volcanic		less than 1	less than 1% pyrite or pyrrhotite, patchy
G132392	533850	5471136	Channel 0.87 m	TB08137713	mafic volcanic		less than 1	less than 1% pyrite or pyrrhotite, patchy
G132393	533852	5471238	Channel 0.79 m	TB08137713	mafic volcanic		less than 1	less than 1% pyrite or pyrrhotite, patchy

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132394	533849	5471237	Channel 1.02 m	TB08137713	mafic volcanic		less than 1	less than 1% pyrite or pyrrhotite, patchy
G132395	533850	5471249	Channel 0.89 m	TB08137713	mafic volcanic		less than 1	less than 1% pyrite or pyrrhotite, patchy
G132396	533849	5471240	Channel 0.75 m	TB08137713	intermediate(?) dyke		trace	trace disseminated pyrite
G132397	533850	5471240	Channel 0.80 m	TB08137713	mafic volcanic		less than 1	less than 1% pyrite or pyrrhotite, patchy
G132398	533849	5471241	Channel 1.14 m	TB08137713	intermediate(?) dyke		trace	trace disseminated pyrite
G132399	533849	5471242	Channel 0.63 m	TB08137713	mafic volcanic		less than 1	less than 1% pyrite or pyrrhotite, patchy
G132400	533849	5471243	Channel 1.05 m	TB08144904	mafic volcanic		less than 1	less than 1% pyrite or pyrrhotite, patchy
G132401	533851	5471244	Channel 0.39 m	TB08144904	mafic volcanic		2 to 3	gossan. 2-3% pyrite, patchy and stringers
G132402	533851	5471244	Channel 0.42 m	TB08144904	mafic volcanic		2 to 3	gossan. 2-3% pyrite, patchy and stringers
G132403	533851	5471245	Channel 0.51 m	TB08144904	mafic volcanic		1 to 2	1-2% pyrite disseminated and stringers
G132404	533850	5471246	Channel 0.91 m	TB08144904	mafic volcanic		up to 1	up to 1% pyrite, patchy and disseminated
G132405	533849	5471246	Channel 0.81 m	TB08144904	mafic volcanic		up to 1	up to 1% pyrite, patchy and disseminated
G132406	533821	5471233	Channel 0.82 m	TB08144904	mafic volcanic		3	2% arsenopyrite patchy and disseminated, 1% pyrite disseminated, trace chalcopyrite(?)
G132408	533819	5471233	Channel 0.85 m	TB08144904	mafic volcanic		3	2% arsenopyrite patchy and disseminated, 1% pyrite disseminated, trace chalcopyrite(?)
G132409	533819	5471233	Channel 0.78 m	TB08144904	mafic volcanic		2	1% pyrite patchy, 1% pyrrhotite, patchy.
G132410	533819	5471234	Channel 0.78 m	TB08144904	mafic volcanic		2	1% pyrite patchy, 1% pyrrhotite, patchy.
G132411	533818	5471234	Channel 0.72 m	TB08144904	mafic volcanic		2	1% pyrite patchy, 1% pyrrhotite, patchy.
G132412	533817	5471235	Channel 0.75 m	TB08144904	mafic volcanic		2	1% pyrite patchy, 1% pyrrhotite, patchy.
G132413	533817	5471235	Channel 0.70 m	TB08144904	mafic volcanic		2 to 3	2-3% pyrrhotite, patchy and fine grained disseminated

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132414	533817	5471236	Channel 0.67 m	TB08144904	mafic volcanic		4 to 5	2-3% pyrrhotite, patches. 2% patchy pyrite
G132415	533816	5471236	Channel 0.92 m	TB08144904	mafic volcanic		4 to 5	2-3% pyrrhotite, patches. 2% patchy pyrite
G132416	533815	5471236	Channel 0.87 m	TB08144904	mafic volcanic		2 to 3	2-3% pyrrhotite, patchy and fine grained disseminated
G132417	533815	5471236	Channel 1.18 m	TB08144904	mafic volcanic		2 to 3	2-3% pyrrhotite, patchy and fine grained disseminated
G132418	533814	5471237	Channel 1.35 m	TB08144904	mafic volcanic		7	5% pyrrhotite patches and fine grained disseminated. 2% pyrite disseminated, stringers and patches
G132419	533819	5471242	Channel 1.15 m	TB08144904	mafic volcanic		3	2% pyrite in patchy blebs, 1% fine grained disseminated pyrrhotite
G132421	533815	5471239	Channel 0.70 m	TB08144904	mafic volcanic		7	5% pyrrhotite patches and fine grained disseminated. 2% pyrite disseminated, stringers and patches
G132422	533814	5471240	Channel 0.74 m	TB08144904	mafic volcanic		7	5% pyrrhotite patches and fine grained disseminated. 2% pyrite disseminated, stringers and patches
G132423	533813	5471241	Channel 0.70 m	TB08144904	mafic volcanic		up to 4	3% pyrite, disseminated and stringers. Up to 1% arsenopyrite, patches.
G132424	533812	5471241	Channel 0.88 m	TB08144904	mafic volcanic		up to 4	3% pyrite, disseminated and stringers. Up to 1% arsenopyrite, patches.
G132425	533813	5471243	Channel 0.84 m	TB08144904	mafic volcanic		up to 4	3% pyrite, disseminated and stringers. Up to 1% arsenopyrite, patches.
G132426	533811	5471242	Channel 1.07 m	TB08144904	mafic volcanic		up to 4	3% pyrite, disseminated and stringers. Up to 1% arsenopyrite, patches.
G132427	533810	5471242	Channel 0.86 m	TB08144904	mafic volcanic		up to 4	3% pyrite, disseminated and stringers. Up to 1% arsenopyrite, patches.
G132428	533809	5471243	grab	TB08144904	mafic volcanic		7	5% pyrite, patchy, some euhedral. 1% pyrrhotite, patchy. 1% arsenopyrite, patchy.
G132429	533809	5471241	Channel 0.84 m	TB08144904	mafic volcanic		up to 4	3% pyrite, disseminated and stringers. Up to 1% arsenopyrite, patches.

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132430	533809	5471242	Channel 0.75 m	TB08144904	mafic volcanic		up to 4	3% pyrite, disseminated and stringers. Up to 1% arsenopyrite, patches.
G132431	533808	5471242	Channel 0.44 m	TB08144904	mafic volcanic		up to 4	3% pyrite, disseminated and stringers. Up to 1% arsenopyrite, patches.
G132432	533807	5471241	Channel 0.74 m	TB08144904	mafic volcanic		up to 4	3% pyrite, disseminated and stringers. Up to 1% arsenopyrite, patches.
G132433	533806	5471241	Channel 0.84 m	TB08144904	mafic volcanic		up to 4	3% pyrite, disseminated and stringers. Up to 1% arsenopyrite, patches.
G132434	533806	5471242	Channel 0.82 m	TB08144904	mafic volcanic		7 to 13	5-10% patchy, disseminated pyrite, some very fine grained (2 phases?). 2-3% pyrrhotite, patchy clots and stringers, also very fine grained disseminated.
G132435	533805	5471241	Channel 1.16 m	TB08144904	mafic volcanic		7 to 13	5-10% patchy, disseminated pyrite, some very fine grained (2 phases?). 2-3% pyrrhotite, patchy clots and stringers, also very fine grained disseminated.
G132436	533804	5471242	Channel 0.85 m	TB08144904	mafic volcanic		7 to 13	5-10% patchy, disseminated pyrite, some very fine grained (2 phases?). 2-3% pyrrhotite, patchy clots and stringers, also very fine grained disseminated.
G132437	533803	5471242	Channel 0.66 m	TB08144904	mafic volcanic		7 to 13	5-10% patchy, disseminated pyrite, some very fine grained (2 phases?). 2-3% pyrrhotite, patchy clots and stringers, also very fine grained disseminated.
G132438	533802	5471242	Channel 0.70 m	TB08144904	mafic volcanic		7 to 13	5-10% patchy, disseminated pyrite, some very fine grained (2 phases?). 2-3% pyrrhotite, patchy clots and stringers, also very fine grained disseminated.

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132439	533801	5471242	Channel 0.55 m	TB08144904	mafic volcanic		7 to 13	5-10% patchy, disseminated pyrite, some very fine grained (2 phases?). 2-3% pyrrhotite, patchy clots and stringers, also very fine grained disseminated.
G132441	533801	5471243	Channel 1.17 m	TB08144904	mafic volcanic		7 to 13	5-10% patchy, disseminated pyrite, some very fine grained (2 phases?). 2-3% pyrrhotite, patchy clots and stringers, also very fine grained disseminated.
G132442	533796	5471241	grab	TB08144904	mafic volcanic		15	15% pyrite, fine grained disseminated and patchy blebs
G132443	533796	5471242	Channel 0.57 m	TB08144904	mafic volcanic		10	10% fine grained disseminated and patchy pyrite
G132444	533794	5471243	Channel 0.50 m	TB08144904	mafic volcanic		5 to 10	5-10% pyrite, disseminated and in stringers. Magnetite?
G132445	533795	5471245	Channel 0.62 m	TB08144904	mafic volcanic		10	10% fine grained disseminated and patchy pyrite
G132446	533795	5471245	Channel 0.60 m	TB08144904	mafic volcanic		10	10% fine grained disseminated and patchy pyrite
G132447	533794	5471245	Channel 0.71 m	TB08144904	mafic volcanic		3	3% disseminated pyrite
G132448	533821	5471491	Channel 1.15 m	TB08144904	gabbro		2 to 5	2-5% patchy blebs of pyrite
G132449	533823	5471492	Channel 0.97 m	TB08144904	gabbro		2	1% patchy pyrite, 1% patchy pyrrhotite
G132450	533824	5471491	Channel 1.01 m	TB08144904	gabbro		2	1% patchy pyrite, up to 1% patchy fine grained pyrrhotite
G132451	533825	5471491	Channel 1.00 m	TB08144904	gabbro		2	1% patchy pyrite, up to 1% patchy fine grained pyrrhotite
G132452	533826	5471491	Channel 0.71 m	TB08144904	gabbro		2	1% patchy pyrite, up to 1% patchy fine grained pyrrhotite
G132453	533826	5471489	Channel 0.55 m	TB08144904	gabbro		1 to 2	1-2% medium grained disseminated pyrite
G132454	533828	5471492	Channel 0.80 m	TB08144904	gabbro		2	1% patchy pyrite, up to 1% patchy fine grained pyrrhotite
G132455	533829	5471492	Channel 1.08 m	TB08144904	gabbro		2	1% patchy pyrite, up to 1% patchy fine grained pyrrhotite
G132456	533830	5471492	Channel 0.90 m	TB08144904	gabbro		2	1% patchy pyrite, up to 1% patchy fine grained pyrrhotite

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G132457	533829	5471489	Channel 0.84 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, magnetite?
G132458	533832	5471491	Channel 0.49 m	TB08144904	gabbro		2	1% patchy pyrite, up to 1% patchy fine grained pyrrhotite
G132459	533832	5471491	Channel 0.57 m	TB08144904	gabbro		2	near shear zone. 1% patchy pyrite, up to 1% fine grained disseminated pyrrhotite
G132460	533832	5471491	grab	TB08144904	gabbro		5	shear zone. Up to 5% disseminated and stringers of pyrite
G132461	533833	5471491	Channel 1.10 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, some patchy blebs
G132462	533834	5471491	Channel 0.67 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, some patchy blebs
G132463	533834	5471491	Channel 0.71 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, some patchy blebs
G132464	533835	5471490	Channel 0.79 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, some patchy blebs
G132465	533835	5471490	Channel 0.76 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, some patchy blebs
G132466	533835	5471489	Channel 1.07 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, some patchy blebs
G132467	533836	5471488	Channel 1.11 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, some patchy blebs
G132469	533837	5471489	Channel 0.99 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, some patchy blebs
G132470	533838	5471490	Channel 1.08 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, some patchy blebs
G132471	533840	5471490	Channel 0.97 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, some patchy blebs
G132472	533841	5471491	Channel 0.93 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, some patchy blebs
G132473	533841	5471489	Channel 0.62 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, some patchy blebs
G132474	533842	5471489	Channel 0.90 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, some patchy blebs
G132476	533843	5471490	Channel 0.90 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, some patchy blebs
G132477	533844	5471490	Channel 0.84 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, some patchy blebs

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132478	533844	5471489	Channel 0.69 m	TB08144904	gabbro		up to 1	up to 1% disseminated pyrite, some patchy blebs
G132479	533844	5471487	Channel 1.17 m	TB08144904	gabbro		trace	no mineralization to trace pyrite, fine grained disseminated
G132480	533846	5471487	Channel 0.63 m	TB08144904	gabbro		trace	no mineralization to trace pyrite, fine grained disseminated
G132481	533846	5471489	Channel 0.98 m	TB08144904	gabbro		trace	no mineralization to trace pyrite, fine grained disseminated
G132482	533847	5471489	Channel 1.11 m	TB08144904	gabbro		trace	no mineralization to trace pyrite, fine grained disseminated
G132483	533847	5471488	Channel 0.51 m	TB08144904	gabbro		trace	no mineralization to trace pyrite, fine grained disseminated
G132484	533848	5471489	Channel 1.03 m	TB08144904	gabbro		trace	no mineralization to trace pyrite, fine grained disseminated
G132485	533849	5471488	Channel 1.17 m	TB08144904	gabbro		trace	no mineralization to trace pyrite, fine grained disseminated
G132486	533850	5471487	Channel 0.70 m	TB08144904	gabbro		trace	no mineralization to trace pyrite, fine grained disseminated
G132487	533851	5471487	Channel 1.00 m	TB08144904	gabbro		trace	no mineralization to trace pyrite, fine grained disseminated
G132488	533851	5471486	Channel 0.71 m	TB08144904	gabbro		trace	no mineralization to trace pyrite, fine grained disseminated
G132489	533853	5471487	Channel 0.92 m	TB08144904	gabbro		1	1% fine grained disseminated pyrite, subhedral to euhedral
G132490	533854	5471486	Channel 0.82 m	TB08144904	gabbro		1	1% fine grained disseminated pyrite, subhedral to euhedral
G132492	533855	5471487	Channel 0.73 m	TB08144904	gabbro		1	1% fine grained disseminated pyrite, subhedral to euhedral
G132493	533856	5471489	Channel 0.82 m	TB08144904	gabbro		1	1% fine grained disseminated pyrite, subhedral to euhedral
G132494	533857	5471488	Channel 0.41 m	TB08144904	gabbro		1	1% fine grained disseminated pyrite, subhedral to euhedral
G132495	533858	5471489	Channel 1.00 m	TB08144904	gabbro		1	1% fine grained disseminated pyrite, subhedral to euhedral
G132496	533859	5471488	Channel 0.93 m	TB08144904	gabbro		1	1% fine grained disseminated pyrite, subhedral to euhedral
G132497	533859	5471488	Channel 0.52 m	TB08144904	gabbro		1	1% fine grained disseminated pyrite, subhedral to euhedral
G132498	533859	5471487	Channel 0.73 m	TB08144904	gabbro		1	1% fine grained disseminated pyrite, subhedral to euhedral

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G132499	533860	5471486	Channel 1.27 m	TB08144904	gabbro		less than 1	less than 1% fine grained disseminated pyrite, some euhedral
G132500	533861	5471486	Channel 0.73 m	TB08144904	gabbro		less than 1	less than 1% fine grained disseminated pyrite, some euhedral
G134001	533862	5471486	Channel 0.78 m	TB08144903	gabbro		less than 1	less than 1% fine grained disseminated pyrite, some euhedral
G134002	533862	5471485	Channel 0.47 m	TB08144903	gabbro		less than 1	less than 1% fine grained disseminated pyrite, some euhedral
G134003	533863	5471486	Channel 0.90 m	TB08144903	gabbro		less than 1	less than 1% fine grained disseminated pyrite, some euhedral
G134004	533863	5471485	Channel 0.59 m	TB08144903	gabbro		less than 1	less than 1% fine grained disseminated pyrite, some euhedral
G134005	533864	5471485	Channel 0.58 m	TB08144903	gabbro		less than 1	less than 1% fine grained disseminated pyrite, some euhedral
G134006	533865	5471485	Channel 0.84 m	TB08144903	gabbro		less than 1	less than 1% fine grained disseminated pyrite, some euhedral
G134007	533866	5471486	Channel 0.56 m	TB08144903	gabbro		less than 1	less than 1% fine grained disseminated pyrite, some euhedral
G134008	533867	5471487	Channel 0.82 m	TB08144903	gabbro		less than 1	less than 1% fine grained sulphide, pyrite, possibly pyrrhotite
G134009	533868	5471487	Channel 0.48 m	TB08144903	gabbro		less than 1	less than 1% fine grained sulphide, pyrite, possibly pyrrhotite
G134010	533868	5471485	Channel 1.00 m	TB08144903	gabbro		less than 1	less than 1% fine grained sulphide, pyrite, possibly pyrrhotite
G134011	533870	5471486	Channel 0.69 m	TB08144903	gabbro		5	3% patchy pyrite, also disseminated. 2% patchy pyrrhotite
G134012	533871	5471484	Channel 0.43 m	TB08144903	gabbro		5	3% patchy pyrite, also disseminated. 2% patchy pyrrhotite
G134014	533869	5471486	Channel 0.61 m	TB08144903	gabbro		less than 1	less than 1% total sulphide, pyrite and pyrrhotite
G134015	533871	5471486	Channel 0.67 m	TB08144903	gabbro		5	3% patchy pyrite, also disseminated. 2% patchy pyrrhotite
G134016	533872	5471482	grab	TB08144903	gabbro		5	3% patchy pyrite, also disseminated. 2% patchy pyrrhotite
G134017	533876	5471485	Channel 0.69 m	TB08144903	gabbro		2	1% pyrite and 1% pyrrhotite, patchy
G134018	533876	5471483	Channel 0.84 m	TB08144903	gabbro		2	1% pyrite and 1% pyrrhotite, patchy
G134019	533877	5471484	Channel 0.93 m	TB08144903	gabbro		2	1% pyrite and 1% pyrrhotite, patchy

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G134020	533879	5471485	Channel 0.77 m	TB08144903	gabbro		2	1% pyrite and 1% pyrrhotite, patchy
G134021	533878	5471485	Channel 0.80 m	TB08144903	gabbro		2	1% pyrite and 1% pyrrhotite, patchy
G134022	533879	5471483	Channel 1.06 m	TB08144903	gabbro		trace	trace pyrite and pyrrhotite
G134023	533880	5471482	Channel 0.89 m	TB08144903	gabbro		trace	trace pyrite and pyrrhotite
G134025	533881	5471482	Channel 0.63 m	TB08144903	gabbro		trace	trace pyrite and pyrrhotite
G134026	533882	5471482	Channel 1.12 m	TB08144903	gabbro		trace	trace pyrite and pyrrhotite
G134027	533884	5471483	Channel 0.70 m	TB08144903	gabbro		2	1% fine grained disseminated pyrrhotite, 1% disseminated pyrite, some euhedral
G134028	533884	5471483	Channel 0.41 m	TB08144903	gabbro		2	1% fine grained disseminated pyrrhotite, 1% disseminated pyrite, some euhedral
G134029	533885	5471482	Channel 1.18 m	TB08144903	gabbro		2	1% fine grained disseminated pyrrhotite, 1% disseminated pyrite, some euhedral
G134030	533886	5471482	Channel 0.54 m	TB08144903	gabbro		1	1% fine grained disseminated pyrite
G134031	533887	5471481	Channel 0.64 m	TB08144903	gabbro		1	1% fine grained disseminated pyrite
G134032	533889	5471482	Channel 0.64 m	TB08144903	gabbro		1 to 2	1-2% disseminated pyrite, possibly arsenopyrite. Magnetite.
G134033	533889	5471482	Channel 0.57 m	TB08144903	gabbro		1 to 2	1-2% disseminated pyrite, possibly arsenopyrite. Magnetite.
G134034	533890	5471482	Channel 0.56 m	TB08144903	gabbro		1 to 2	1-2% disseminated pyrite, possibly arsenopyrite. Magnetite.
G134035	533892	5471482	Channel 0.76 m	TB08144903	gabbro		1 to 2	1-2% disseminated pyrite, possibly arsenopyrite. Magnetite.
G134036	533893	5471482	Channel 0.52 m	TB08144903	gabbro		3	3% fine grained disseminated pyrite and patchy blebs
G134037	533892	5471479	Channel 1.00 m	TB08144903	gabbro		3	3% fine grained disseminated pyrite and patchy blebs
G134039	533893	5471478	Channel 0.63 m	TB08144903	gabbro		3	3% fine grained disseminated pyrite and patchy blebs

Sample	Easting	Northing	Sample Type	Certificate #	Host Rock	Alteration	Sulphide %	Mineralization
G134040	533893	5471478	Channel 0.93 m	TB08144903	gabbro		3	3% fine grained disseminated pyrite and patchy blebs
G134041	533894	5471478	Channel 0.82 m	TB08144903	gabbro		3	3% fine grained disseminated pyrite and patchy blebs
G134042	533895	5471478	Channel 0.77 m	TB08144903	gabbro		2	2% very fine grained disseminated pyrite
G134043	533896	5471477	Channel 0.40 m	TB08144903	gabbro		2	2% very fine grained disseminated pyrite