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EXPLORATION REPORT

EL1/2010

BONDS RANGE

NW TASMANIA

Prepared for: Unity Mining Pty Ltd

Tim Callaghan, April 2012

SUMMARY

Exploration of EL1/2010 during 2012 was designed to follow up on the two high grade Au samples taken by CRA geologists in 1987. The remote location required a helicopter supported field program with mobilisation and demobilization in February 2012.

Field work involved re-establishing the base camp and re-clearing the baseline and grid lines 9200-10000N. Soil sampling was extended on lines 9200-9600N to 21000E to test around CRA's high grade rockchip samples. A total of 35 soils samples were submitted for multi element and Au analysis. No soil anomalies were generated by the extra sampling.

Geological reconnaissance focused mainly around the CRA samples with one additional traverse made in the vicinity of the Anio Creek drainage anomaly 2km to the south. A total of 45 rockchip samples were taken and submitted for multi element analysis. Only low level Au (0.01 – 0.1g/t Au) was returned from the sampling program, all associated with the hematite stockwork alteration zone. All attempts to replicate the CRA samples have now failed suggesting the mineralisation of the 10 Mile Creek Prospect is probably not economic.

Only one sample from the southern traverse was anomalous in Au despite the presence of similarly iron oxide altered porphyry.

Geochemical analysis indicates that the porphyry is a large fractionating calc-alkaline intrusion of dacitic to andesitic composition. The mineralogical association suggests the mineralisation and alteration are part of the Iron Oxide Copper Gold (IOCG) spectrum of deposits, although so far of low tenor.

As well as the 10 Mile Creek Prospect, panned concentrate stream sediment samples identified several other gold drainage anomalies to the southwest of the grid, one north of Anio Creek, and the other north of Romulus Pup on Backwater Creek. The alteration and geochemical anomaly remains open to the southwest and northeast and has not yet had first pass geological mapping, rockchip and soil sampling.

Recommendations for exploration activities for the 2013 field season include:

- Investigate the two Au drainage anomalies along strike to the southwest at Anio Creek and the headwaters of Backwater Creek.
- Establish a southern Base Camp to provide access to these work areas.
- Cut gridlines and soil sample lines 7000N, 7200N, 7400N, 7800N, 8200N and 8600N
- Geological reconnaissance sampling and mapping on lines 7000N, 7200N, 7400N, 7800N, 8200N and 8600N
- Cut a foot track up the fury river to the base of Romulus Pup to access panned concentrate Au sample sites.
- Geological reconnaissance sampling and mapping of Romulus Pup area.

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1 INTRODUCTION

EL1/2010 (Bonds Range) consists of 22km² licensed to Bendigo Mining Ltd, now Unity Mining. The EL was acquired as a vacant lease and is not constrained by expenditure requirements set out under MRT exploration release tender process. Only limited modern exploration has been conducted on the leases with very little groundwork and drilling completed.

The preliminary field work completed in February 2012 was the first year of active field exploration by Unity Mining and was the first field work completed in the area for 20 years.

1.2 Location and Access

EL1/2010 Bonds Range is located in NW Tasmania, south of the Cradle Mountain Link Road and east of Tullah (Figure 1), adjacent to the Cradle Mountain Lake St Clair World Heritage area. The EL is very remote with rugged topography consisting of steeply incised wooded slopes and alpine ridges. Exploration activities require helicopter access and support. A long foot access track from either Mount Cripps or the Cradle Mountain Link Road via Reynolds Falls had been used historically for emergency access.

Tasmanian Helicopters were contacted to access the EL in 2012 with the old CRA base camp re-established. Contract Track Cutters were mobilized on Sunday 5th February. Following aerial reconnaissance a decision was made to land at the northern camp site. Two sling loads of equipment were mobilized into the field.

All Field Staff and the camp were demobilized on Tuesday 14th February.

Communications consisted of both satellite phone and mobile phone. Scheduled communications were made twice daily.

The old CRA field camp, baseline and grid lines 9200N, 9400N, 9600N and 10000N were re-established by contract track cutters

1.3 Exploration Objectives, 2012

Recommended Objectives for the 2012 field season included:

- Inspection of MRT drill core, lamp for Scheelite.
- Rehabilitation of the campsites, grid baseline and helipad. Grid origin 10,000N, 20,000E is located 540m AMG south of the helipad. Baseline 20,000E bearing is AMG225° and grid line bearings are AMG135°.
- Re-cut gridlines 9200N, 9400N, 9600N and 10000N
- Extend soil sampling on lines 9200N (from 20750E), 9400N (from 20750E) and 9600N (from 20700E) to grid 21000E

- Geological reconnaissance sampling and mapping on lines 9200N, 9400N and 10000N to investigate the early CRA high grade Au samples
- Extending the grid and possibly soil sampling to the southwest
- Investigate the two Au drainage anomalies along strike to the southwest at Anio Creek and Romulus Pup.

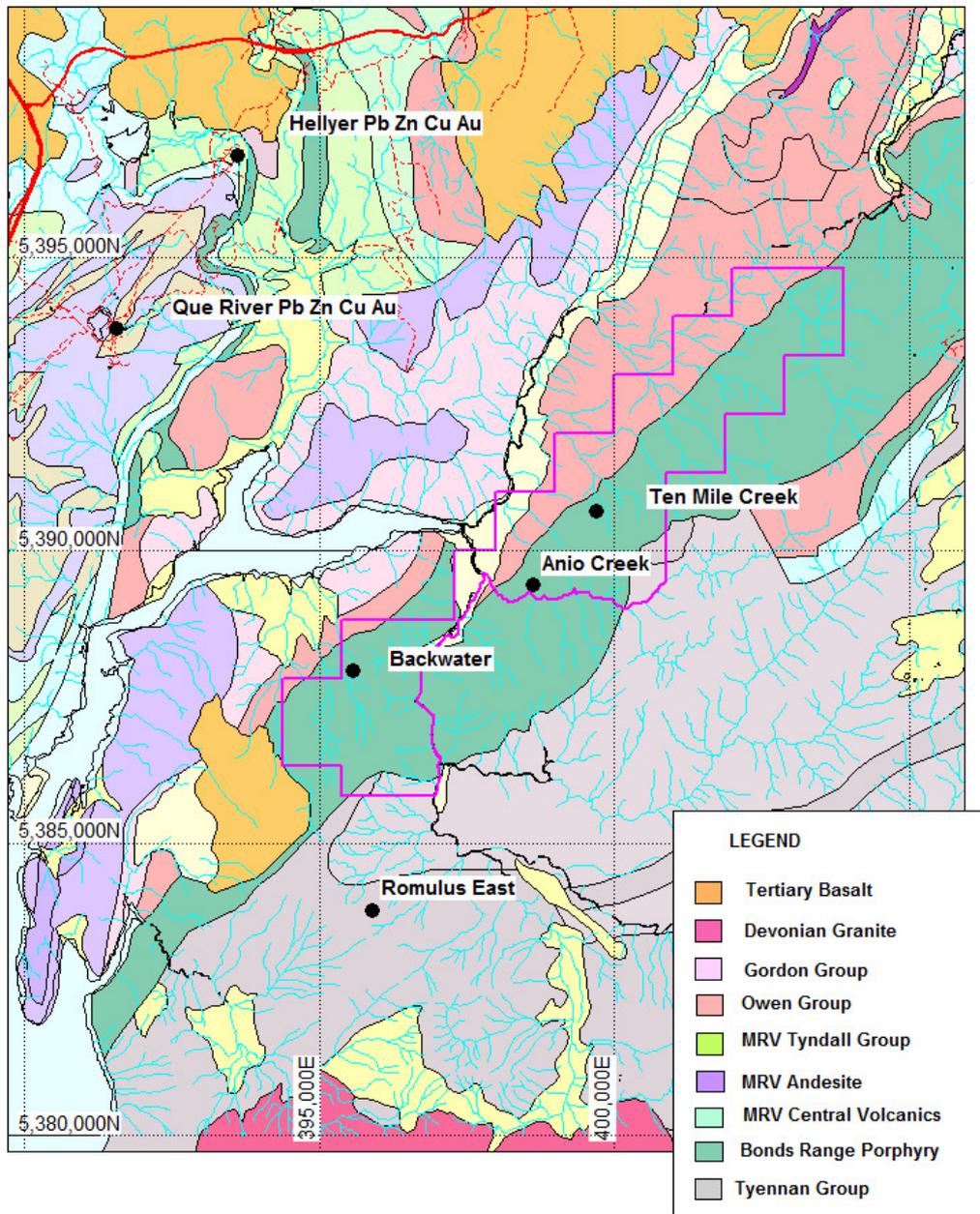


Figure 1. Location EL1/2010, Regional Geology and Prospects.

2 EXPLORATION HISTORY

2.1 Pickands Mather (mid 1960's)

The first modern exploration of the district was completed by Pickands Mather in the mid 1960's. Stream sediment sampling was completed as part of a regional program. Several basemetal anomalies were identified but not followed up. No Au determinations were involved with the program.

2.2 CRA Exploration (1974)

CRA completed Reconnaissance mapping and soil sampling over "Cambrian Tuffs and sericitic schists" in the south (Porter 1976). No significant basemetal mineralisation was identified. Again no gold determinations were involved with the program.

2.3 Alcoa (1978 – 1980)

Alcoa commenced exploration on "EL2/1978 Granite Tor" with a remote sensing style exploration program involving photo-geological interpretation, aeromagnetic survey and some stream sediment sampling.

Follow-up exploration focused on Sn/W mineralisation around the Granite Tor batholith to the south of the EL boundary.

2.4 Shell (1981 – 1984)

Shell completed a helicopter supported digital electromagnetic survey (DIGHEM) and several stream sediment surveys over the district. Ground follow up was mainly restricted to anomalies within the MRV although some follow up of anomalies in the Ordovician and Precambrian was completed at Ray's prospect and the Backwater Creek Prospect. Most DIGHEM anomalies were attributed to carbonaceous phyllites in the Precambrian.

Their work identified the Ten Mile Creek, Mt Swallow and Romulus East Au prospects and the Fury River Pb-Ba-As anomaly. A gossan in a silicified breccia at Romulus East returned a gold assay of 2.3 g/t.

2.5 CRA/Aberfoyle (1985-1992)

CRA commenced exploration within the district in 1985 focusing on previously identified prospects from the Shell Exploration program. Targets selected for initial follow up included the Fury River Pb-Ba-As, Romulus East Au, Rays Prospect Pb, Sophia As-Ba, Mt Swallow Au and 10 Mile Creek Au-Hematite stock work.

Initial work included reconnaissance mapping and sampling of the 10 Mile Creek and Romulus East Prospects. Two anomalous rockchip samples (1.04g/t and 8.08g/t Au) were obtained from the 10 Mile Creek prospect and the hematite stock work mineralisation identified (Poltock, 1987 in Funnell and Von Strokirch, 1987).

Aberfoyle and CRA formed a joint venture in 1988 and subsequent gridding, soil sampling and mapping identified the approximately 2km long by 50-200m wide northeast

trending hematite-chlorite alteration zone within the Bonds Range porphyry (Henman, 1989).

Aberfoyle withdrew from the JV in 1991 and CRA drilled four short man portable drill holes (Newnham, 1992). Three of the holes tested the hematite stockwork with two stopped short due to hard ground conditions for the equipment being used. Low level gold was detected (0.05 – 0.5g/t Au). The fourth hole tested a copper anomalous zone in chloritic rocks further to the east. Minor chalcopyrite in quartz veining was identified in drill core with corresponding elevated copper levels.

Follow up of Romulus East downgraded the prospect after a further 24 rock chips returned a best result of 0.64 g/t Au from a high graded sample.

2.6 Mineral Resources Tasmania, (1991).

Mineral Resources Tasmania completed a regional mapping program as part of the Mt Read Volcanics Project in 1991. Their work is presented as MRVP Map 7 and the accompanying MRVP Geological Report 4 (Pemberton et al, 1991).

2.7 Unity Mining Ltd, (2011-)

Unity Mining commenced exploration with a LIDAR survey and historic data compilation and review (Callaghan, 2011).

3 REGIONAL GEOLOGY

The regional geology is dominated by a NE trending belt of Late Cambrian felsic volcanics and sediments of the Mt Read Volcanics (MRV). The MRV unconformably overlie Precambrian quartzite and phyllite basement of the Tyennan Group to the east. Unconformably overlying the MRV to the west are the siliciclastic conglomerates and sandstones of the Owen Group and carbonates of the Gordon Group. The valley floors, formed over the Gordon Limestone are covered by thin Quaternary Glacial deposits.

The MRV within EL1/2010 is dominantly represented by the quartz-feldspar-biotite Bonds Range Porphyry. Regionally the Mt Read Volcanics host a number of significant base-metal sulphide and copper-gold deposits (Table 1). Most of the mineralisation within the MRV is considered to be hosted at the base of, or just below the Tyndall Group within the Central Volcanic Sequence and its correlates. The Hellyer and Que River deposits are located approximately 5km NW of the EL (Figure 1).

The Devonian House Top Granite outcrops 5km southwest of the EL. Regional gravity interpretation suggests much of the ERA is underlain by Devonian Granite (Leaman and Richardson, 2003).

The Devonian Granites are responsible for numerous and varied spatially associated mineral occurrences including tin-tungsten, base-metal sulphides, gold, magnetite and phosphate-fluorite. Some of the more significant deposits are listed in Table 2. Small scale granite related gold, tungsten and basemetal mineralisation is prevalent north of the EL in the Moira district.

The EL can be considered as prospective for Cambrian intrusion related mineralisation. The style of alteration and mineralisation identified by previous workers is analogous to the broad range of deposits categorized as iron-oxide copper-gold deposits. There is the possibility to for Devonian granite related mineralisation, particularly in the southwest.

Hellyer	16.5 Mt @ 13.9%Zn, 7.2% Pb, 0.38% Cu, 169g/t Ag, 2.55 g/t Au
Que River	3.3 Mt @ 13.3% Zn, 7.4% Pb, 0.7% Cu, 195g/t Ag, 3/3g/t Au
Mt Charter	6.1 Mt @ 0.5% Zn, 25.5g/t Ag, 1.22g/t Au, 9.7% Ba
Rosebery	34.03 Mt @ 17.3% Zn, 4.1% Pb, 0.57% Cu, 143g/t Ag, 2.2g/t Au
Hercules	3.33 Mt @ 17.3% Zn, 5.5% Pb, 0.45 Cu, 171g/t Ag, 2.1g/t Au
Henty-Mt Julia	2.83 Mt @ 12.5g/t Au
Mt Lyell	311 Mt @ 0.97% Cu, 0.31g/t Au

TABLE 2. DEVONIAN GRANITE RELATED DEPOSITS	
Renison Bell	24.54Mt @ 1.41% Sn
Mt Bischoff	10.54 Mt @ 1.1% Sn
Cleveland	12.4Mt 0.615 Sn, 0.25% Cu
Foley Zone	3.8Mt @ 0.28% WO ₃ , 0.02% MoS ₂ , 0.05% Sn
Aberfoyle	2.1Mt @ 0.91% Sn, 0.28% WO ₃
Anchor	2.39Mt @ 0.28% Sn
Storeys Creek	1.1Mt @ 1.09% WO ₃ , 0.18% Sn
King Island Field	23.8Mt @ 0.66% WO ₃
Kara	5.2Mt @ >30% Fe, minor WO ₃
Avebury	18.2Mt @ 0.95% Ni
Moina	18Mt @ 26% CaF ₂ , 0.1% Sn, 0.1% WO ₃
Hugo (Moina)	0.25Mt @ 5.5% Zn, 1g/t Au, 0.1% Bi
Stormont (Moina)	0.14Mt @ 3.44g/t Au, 0.21% Bi
Mt Farrell	0.9Mt @ 12.5% Pb, 2.5% Zn, 408g/t Ag
Magnet	0.63Mt @ 7.3% Zn, 7.3% Pb, 427g/t Ag

4 LOCAL GEOLOGY

The local Geology of the EL is dominated by rocks of the Cambro-Ordovician Owen Group, Ordovician Gordon Group, Cambrian MRV and the Precambrian Tyennan Group. Structurally the EL covers the eastern limb of a broad northeast trending syncline with the Gordon Group Limestone in the syncline axis.

4.1 Lithology

Owen Group

The Owen Group on the EL consists of fine grained siliciclastic sandstone and quartzose pebble conglomerates. The basal unit has been described as a pink to grey medium grained quartzite with a micaceous component. Overlying these is a pink siliciclastic conglomerate with interbedded sandstone. The upper unit is grey siliciclastic sandstone. All units strike northeast and young to the northwest (Henman, 1989).

Bonds Range Porphyry

The entire Cambrian sequence is dominated by the massive, pink to brown quartz-biotite-feldspar-hornblende Bonds Range porphyry of broadly felsic composition. The Bonds Range porphyry is a large intrusive body extending in excess of 50km in strike length and attaining a maximum width of 3.5km in the Tumbling Creek area (Pemberton et al, 1991). The porphyry is one of a series of high level domes and granitic intrusives on the eastern margin of the Mt Read Volcanics. Contact relationships have been identified as fracture controlled and intrusive, with late stage quartz-feldspar porphyritic dykes identified in the underlying Tyennan Group and the overlying Owen Group siliciclastics, (Pemberton et al, 1991). The western contact with the Cambro-Ordovician sediments is considered to be largely unconformable with two relatively minor reverse faults with 100-200m of movement (Henman, 1989).

The porphyry is dominantly a coarsely quartz-kfeldspar-biotite-hornblende porphyry with K-feldspar phenocrysts to 10mm in diameter in a fine grained microgranitic groundmass in many outcrops. Variations in phenocrysts size and abundance are common with some outcrops tending to more mafic compositions with more abundant biotite and hornblende. Much of the porphyry is strongly K-feldspar altered with biotite and hornblende commonly altered to chlorite. The porphyry is moderately strained with a mild foliation and elongation of porphyritic phenocrysts.

The Bonds Range porphyry appears to be a heterogeneous, multiphase intrusion with at least three different porphyries identified in the field:

- 1 Quartz-plagioclase-biotite-hornblende-kfeldspar porphyry with large phenocrysts of quartz and Kfeldspar to 10mm.
- 2 Quartz-hornblende-biotite-feldspar porphyry with phenocrysts 4-5mm and abundant biotite-hornblende (15-25%).
- 3 Fine grained quartz-plagioclase porphyry in a vitric matrix.

Several intrusive facies have been identified suggesting a differentiation trend to more felsic facies (Pemberton *et al* 1991). This is supported by whole rock and trace element geochemistry (Section 6) suggesting the main porphyry body was emplaced from a single magmatic source undergoing fractionation either insitu or from a deeper magmatic chamber.

Tyennan Group

The Tyennan Group outcrops along the eastern boundary of the EL. It is dominated by interlayered pelite and quartzite. The rocks have been strongly silicified, foliated and altered to greenschist facies.

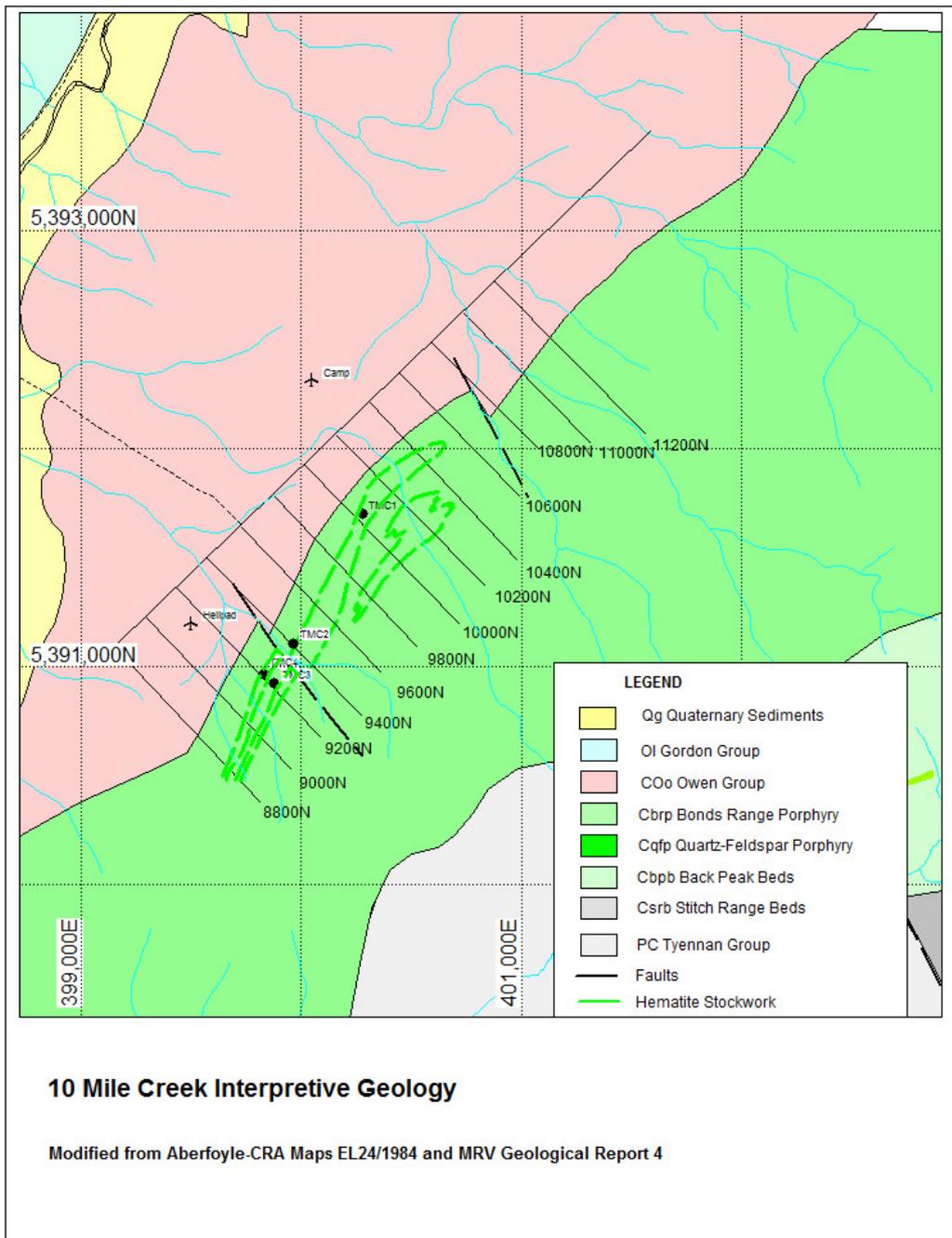


Figure 2. 10 Mile Creek Interpretive Geology

4.2 Mineralisation

Ten Mile Creek.

K feldspar alteration is prominent in most of the porphyry with the exception of the fine grained rhyolite.

An extensive alteration zone of hematite-chlorite has been identified at the Ten Mile Creek Prospect. The alteration zone consists of irregularly spaced stockwork veins of quartz and specular hematite to 10mm in width. The alteration is hosted in all facies of the Bonds Range Porphyry but particularly the biotite-hornblende rich porphyry facies. Strong pervasive chloritisation and hematization forms an associated halo around the stockwork, extending to the northeast but remains open to the southwest (Henman, 1989). The mineralisation and alteration has been mapped over a strike length of 2km striking NE broadly concordant with stratigraphy. The stockwork becomes weaker north of local grid 10400N. Similar although stronger hematite-silica alteration and specular hematite veining was located in samples along the southern traverse around 7600N indicating that the zone extends much further southwest.

Soil sampling over the stockwork veining is Fe, Au and Cu anomalous with peaks over the stock work breccia zone (see Section 4). Rockchip sampling has returned numerous anomalous Au values mainly in the 0.01-0.1g/t range although peak values to 8.08g/t Au were returned (Funnell and Von Strokirch, 1987). CRAE drilled 4 shallow holes with a man portable rig in 1992 (Newnham, 1992). Two holes stopped prematurely due to hard ground. Gold values were similar to those seen in rockchip samples with a peak value of 0.52ppm Au. Basemetal and gold values are reported to have been increasing down hole and the prospect was considered to have been poorly tested mainly due to the limitations of the rig.

The two highest grade rockchip samples (8.08 and 1.04g/t Au) were collected by CRA contract geologist Roger Poltock (Funnell and Von Strokirch, 1987). These samples were taken immediately east of the mapped hematite stockwork and were reported to have been from a medium grained porphyry with sericite altered feldspars and minor pyrite. Follow up sampling by Aberfoyle on a nearby grid line did not return significant gold (see Section 5). Extensive follow up rockchip sampling was completed in 2012 but again no significant gold above 0.1g/t Au was identified.

Mineragraphy completed by Aberfoyle identified minor chalcopyrite and a single grain of gold associated with the hematite alteration. Martitised magnetite was also observed although it is unclear if the magnetite was magmatic or hydrothermal. The mineralisation style best fits into the spectrum of IOCG deposits.

5 WORK COMPLETED 2011 – 2012

Work completed on EL1/2010 during 2011 - 2012 includes:

- A review and compilation of historic exploration data (Callaghan, 2011).
- Re establishment of the base camp, baseline and gridlines 9200N, 9400N, 9600N and 10000N.
- Soil sampling extended on lines 9200, 9400, 9600 to 21000E including a total of 35 samples. All samples were assayed by Australian Laboratory Services (ALS) for multi element analysis utilizing a four acid digest followed by ICP MS for 48 elements with Au analysed by fire assay. Soil Sample results are located in Appendix 1.
- Rockchip sampling lines 9200N, 9400N, 9600N including a total of 45 samples. Rockchip descriptions are located in Appendix 2. All samples were assayed by Australian Laboratory Services (ALS) for multi element analysis utilizing a four acid digest followed by ICP MS for 48 elements with Au analysed by fire assay. Rockchip Sample results are located in Appendix 3.

6 GEOCHEMISTRY

Several phases of stream sediment sampling and reconnaissance rock chip sampling have been completed on the tenement, culminating in the systematic gridding and soil sampling over the 10 Mile Creek Prospect. Additional soil sampling and rockchip sampling was completed in 2012, concentrating on the Ten Mile Creek area, particularly lines 9200N, 9400N and 9600N. The 2012 program was aimed at confirming the high grade mineralisation identified by CRA in 1987 (Funnell and Von Strokirch, 1988).

A rock chip sampling traverse was made just north of the Anio Creek area in a first pass investigation of the Anio Creek gold drainage anomaly.

6.1 Soil Sampling

A 200m spaced grid extending over 2.4km of strike length was established by CRA and extended by Aberfoyle in the late 1980's (Funnell and von Strokirch, 1988, Henman, 1989). C-horizon soil sampling was completed over the mapped hematite stockwork and chlorite altered Bonds Range Porphyry and analysed for Cu, Pb, Zn, Au, Ag, Fe and As. Soil sampling was extended to 21,000E in the Ten Mile Creek area as it was noted that the high Au samples taken by CRA were located further east than the earlier soil sampling surveys. No significant anomalism was identified in the soil sample extensions.

As noted in the exploration review (Callaghan, 2011) coherent Au and Fe anomalies are associated with the mapped hematite stockwork (Figures 3 and 4). The Fe anomaly is clearly associated with the hematite-chlorite alteration with some down slope dispersion of 50-100m. Fe and Au soil anomalies are open to the SW of line 8800N.

Copper forms a significant broad anomaly associated with the hematite altered Bonds Range Porphyry but appears to be more extensive and extends further northeast (Figure 5). It remains open to the northeast and warrants further investigation. Soil Cu is notably lower in the vicinity of the peak Au anomalism on lines 9200N and 9400N.

Although no significantly anomalous soil Pb and Zn values are observed, they do form broad low level anomalies dispersed around the alteration zone (Figures 6 and 7).

There are no significant soil anomalies for As and Ag.

The failure to identify soil anomalies adjacent to the CRA samples suggests this mineralisation style is not extensive.

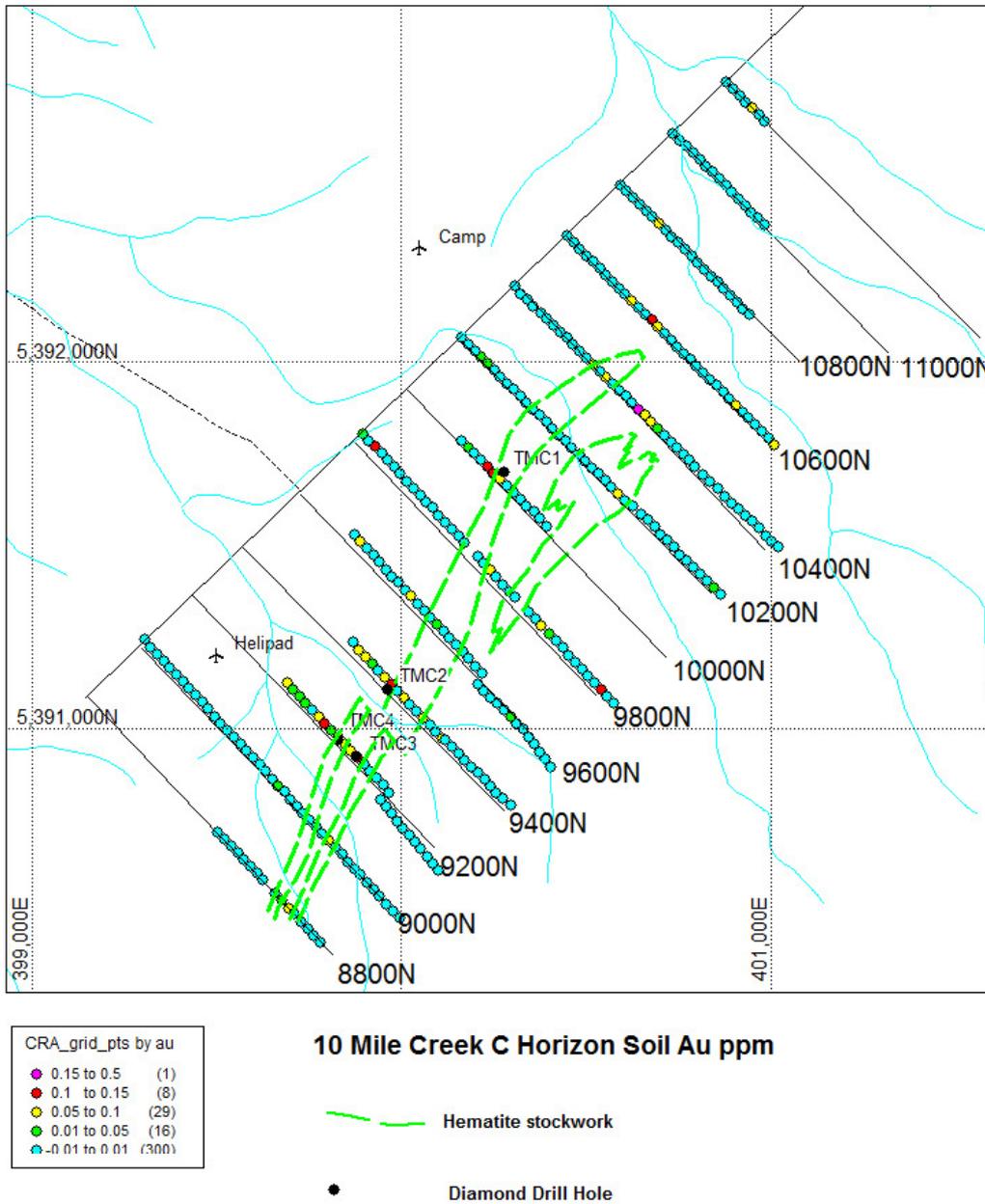


Figure 3. 10 Mile Creek C- Horizon Soil sample Au.

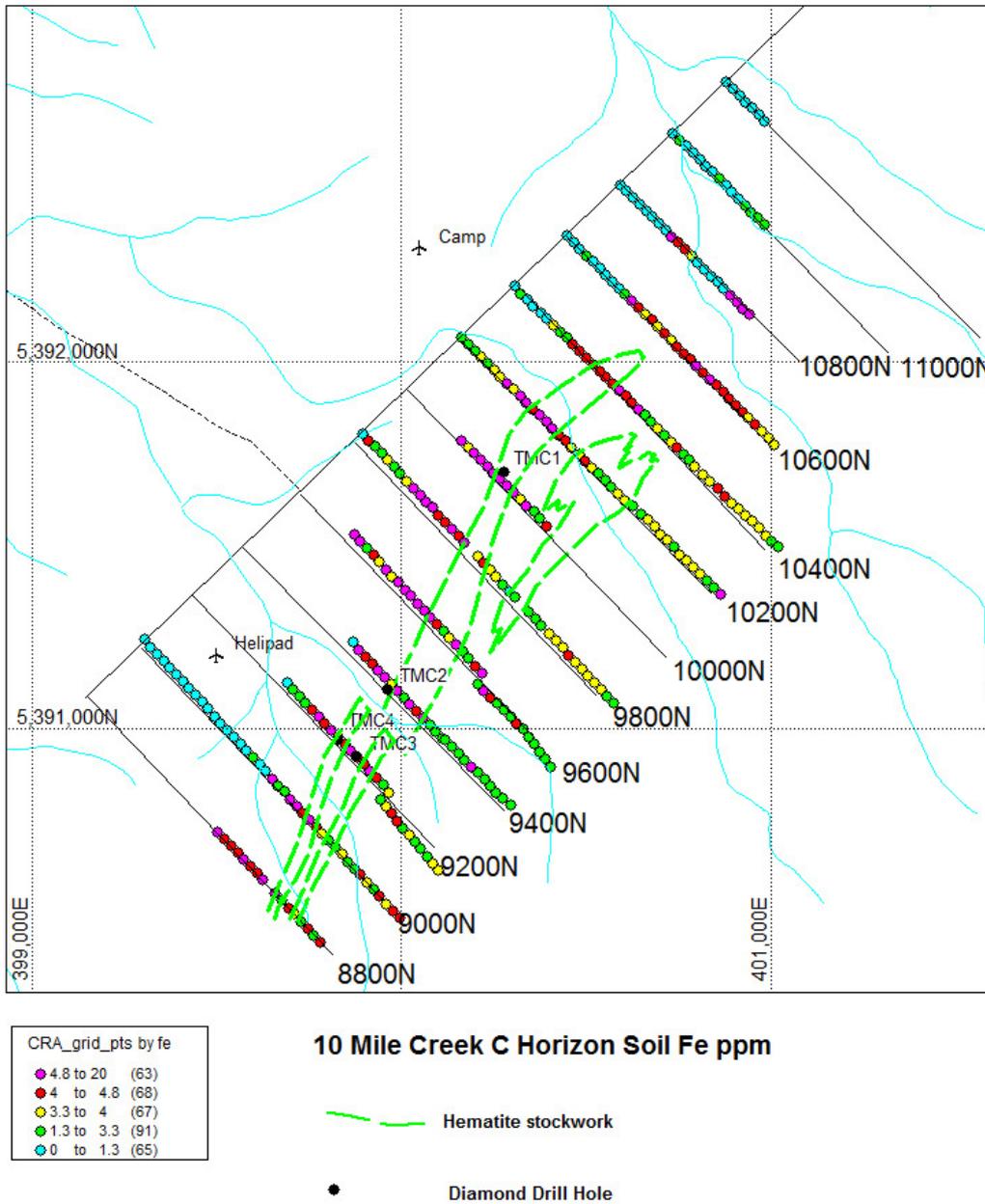


Figure 4. 10 Mile Creek C horizon soil sample Fe.

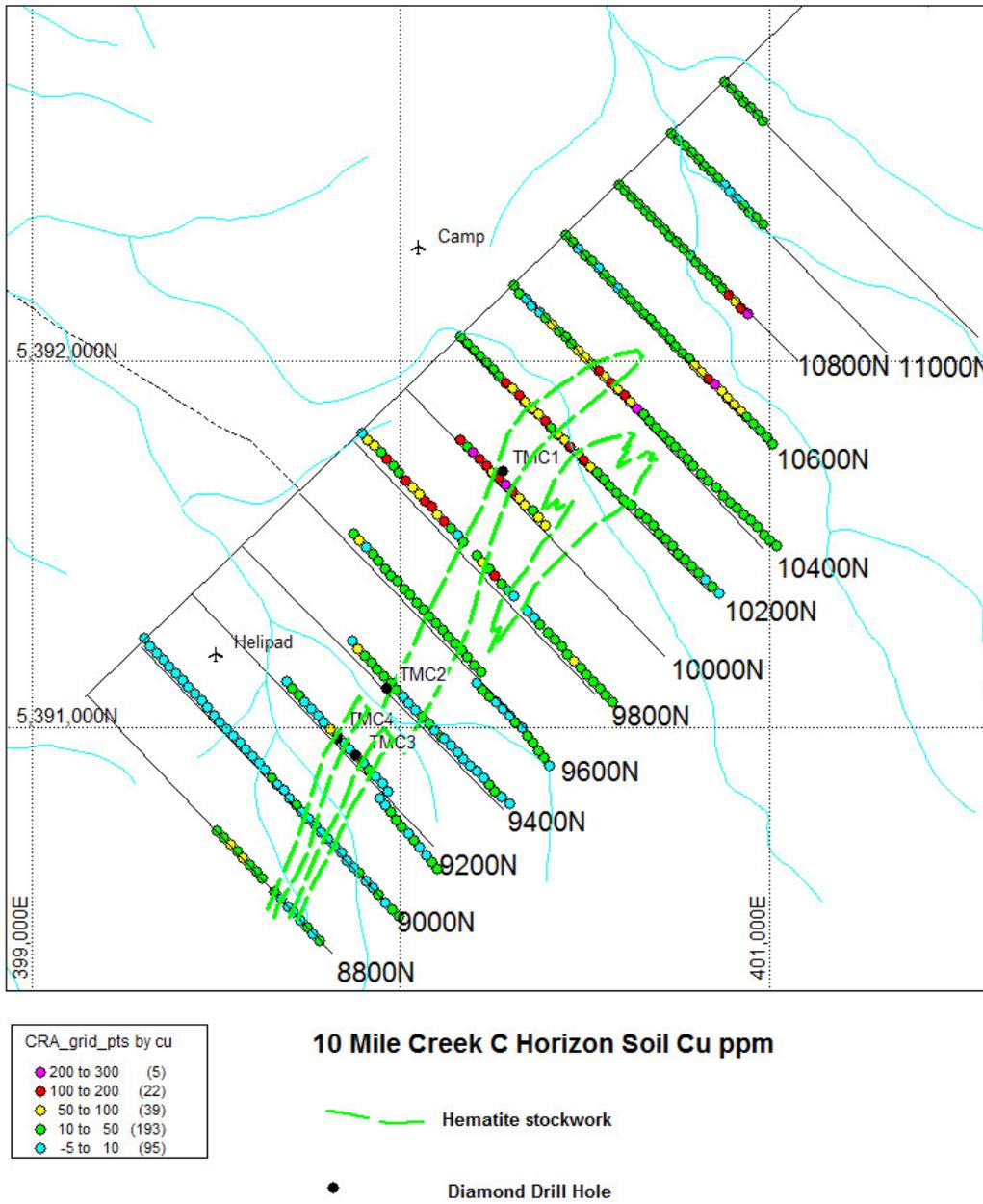


Figure 5. 10 Mile Creek C Horizon Soil Cu.

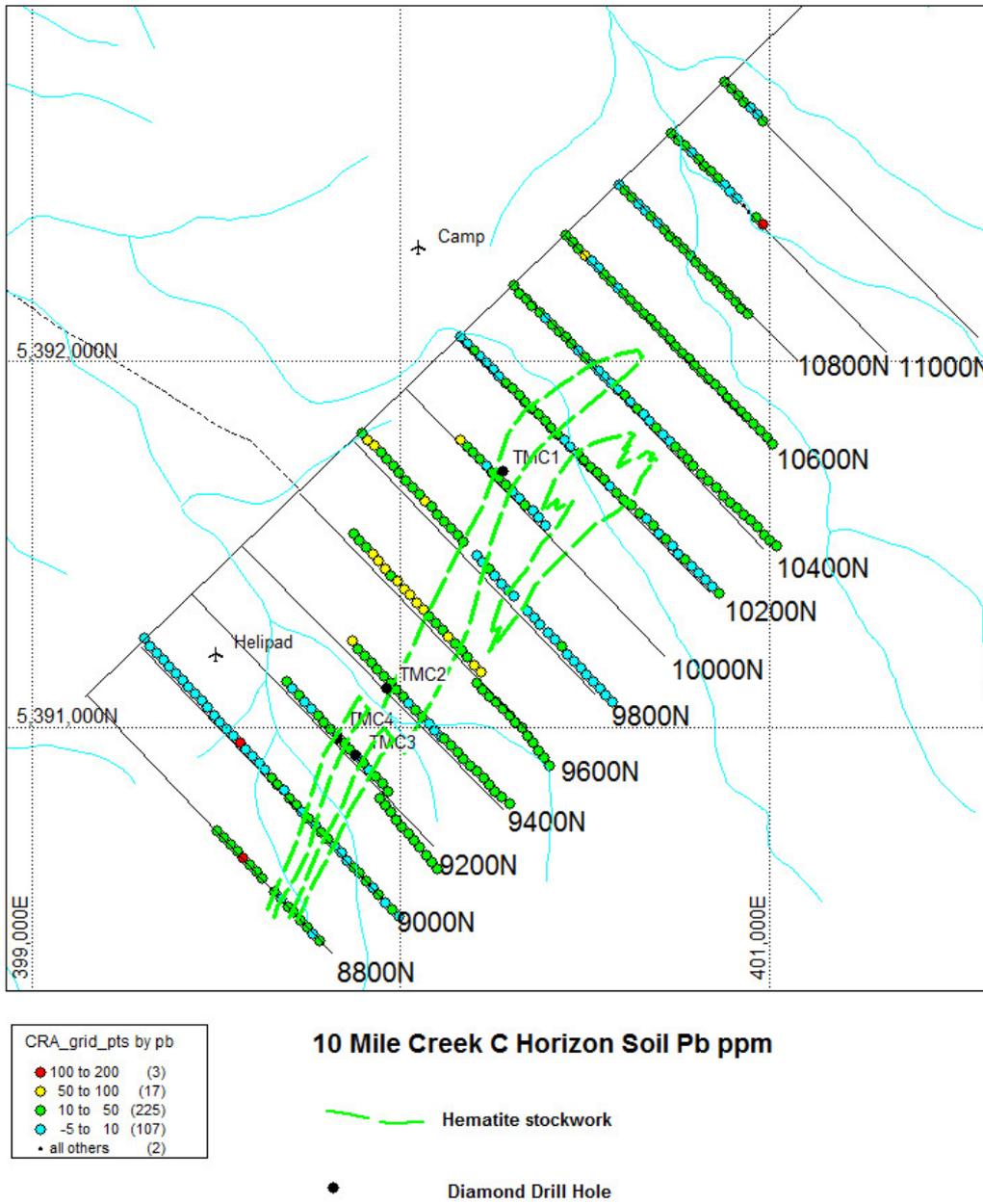


Figure 6. 10 Mile Creek C Horizon Pb

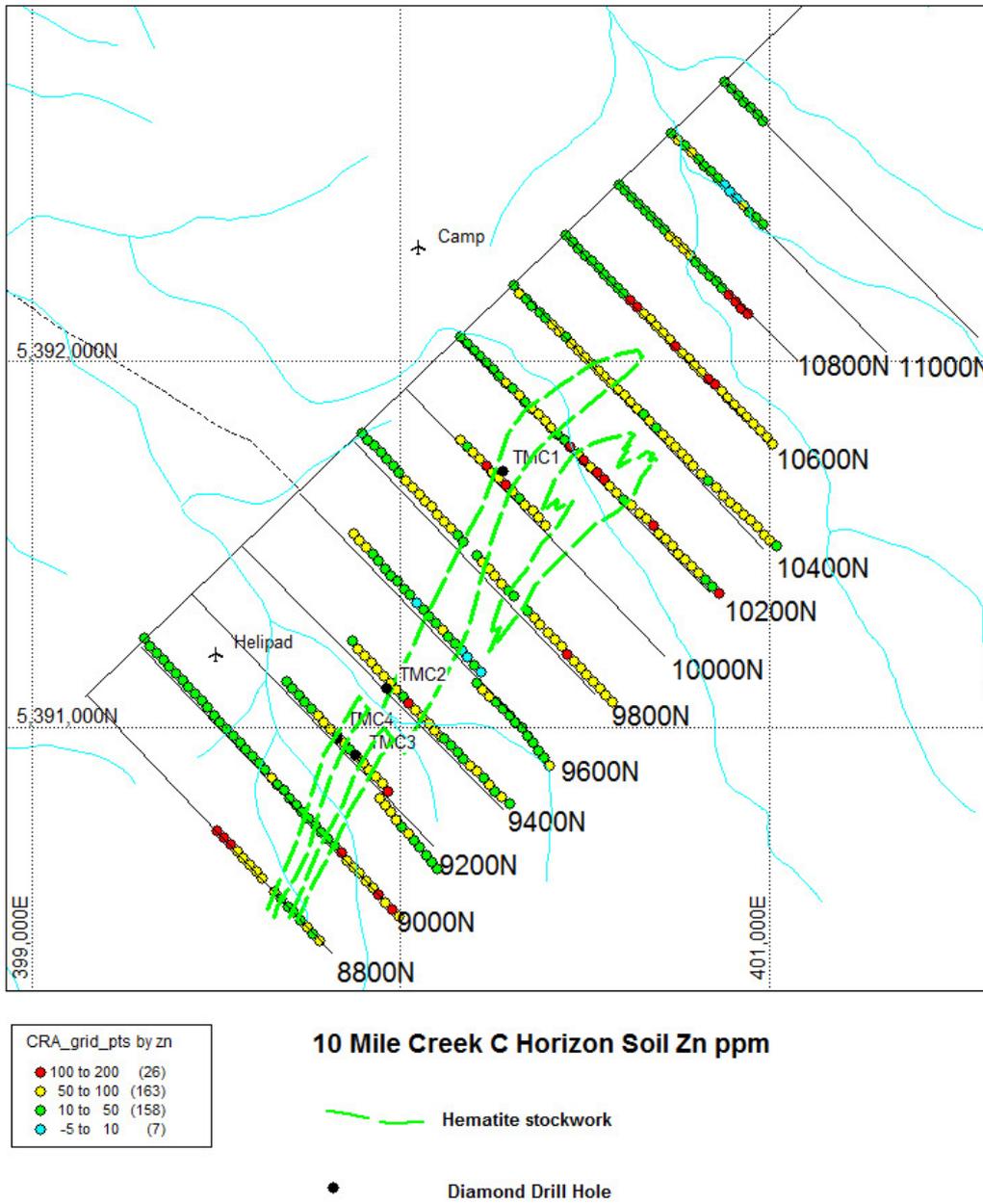


Figure 7. 10 Mile Creek C Horizon Soil Zn

6.2 Rock Chip Geochemistry

Historically Rockchip samples from the 10 Mile Creek Prospect were collected by CRA in 1985 (Poltock, 1987 in Funnell and Von Strokirch, 1987) and Aberfoyle in 1989 (Henman, 1989). Several significantly Au anomalous rockchip samples were returned from both campaigns. The first campaign returned two samples of 1.04 and 8.08g/t respectively from the upper reaches of 10 Mile Creek (Figure 8). Both samples were reported to be from sericitised quartz-feldspar porphyry and were located several hundred metres east of the hematite stockwork zone in 10 Mile Creek.

A further 35 rockchip samples were taken concentrating on the vicinity of the high grade Au samples taken by CRA in 1987 (Figure 8 and 9). Several samples were taken adjacent to the original samples collected with flagging tape from the original program was located. Despite the additional sampling the high grade samples were not replicated with only a peak value of 0.08g/t Au returned. Aberfoyle were also unable to replicate the CRA samples in 1989.

Numerous other rockchip samples with Au above detection ($>0.008\text{g/t}$) are spatially associated with the hematite stock work zone. The majority of these are low order 0.01-0.1 g/t Au anomalies. Four other samples were higher order, again associated with the hematite stockwork. Follow up sampling of the third highest grade sample on line 10,000N (Aberfoyle sample 431504) only returned moderately anomalous results. Similar to the soil sampling a zonation in copper anomalism is evident to the northeast (Figure 10).

There is a moderate metal association between Fe and Au (Figure 11) suggesting an association of low level Au with the hematite alteration zone. The two high grade Au samples have low Fe values suggesting they are not associated with the hematite alteration. The very high Fe grades (20-30%) are Au anomalous but do not demonstrate a linear relationship.

An Fe/Cu scatter plot demonstrates two distinct populations (Figure 14). There is a moderate positive correlation between Cu and Fe below 10% Fe. However high Fe rock chips ($>10\%$) have low Cu values.

There is possibly a weak correlation between Au and Cu, and Au and As for some samples although there again appears to be two populations (Figure 12 - 13). Many other metal associations such as W and U remain ambiguous. Additional scatter plots for different elements are located in Appendix 4.

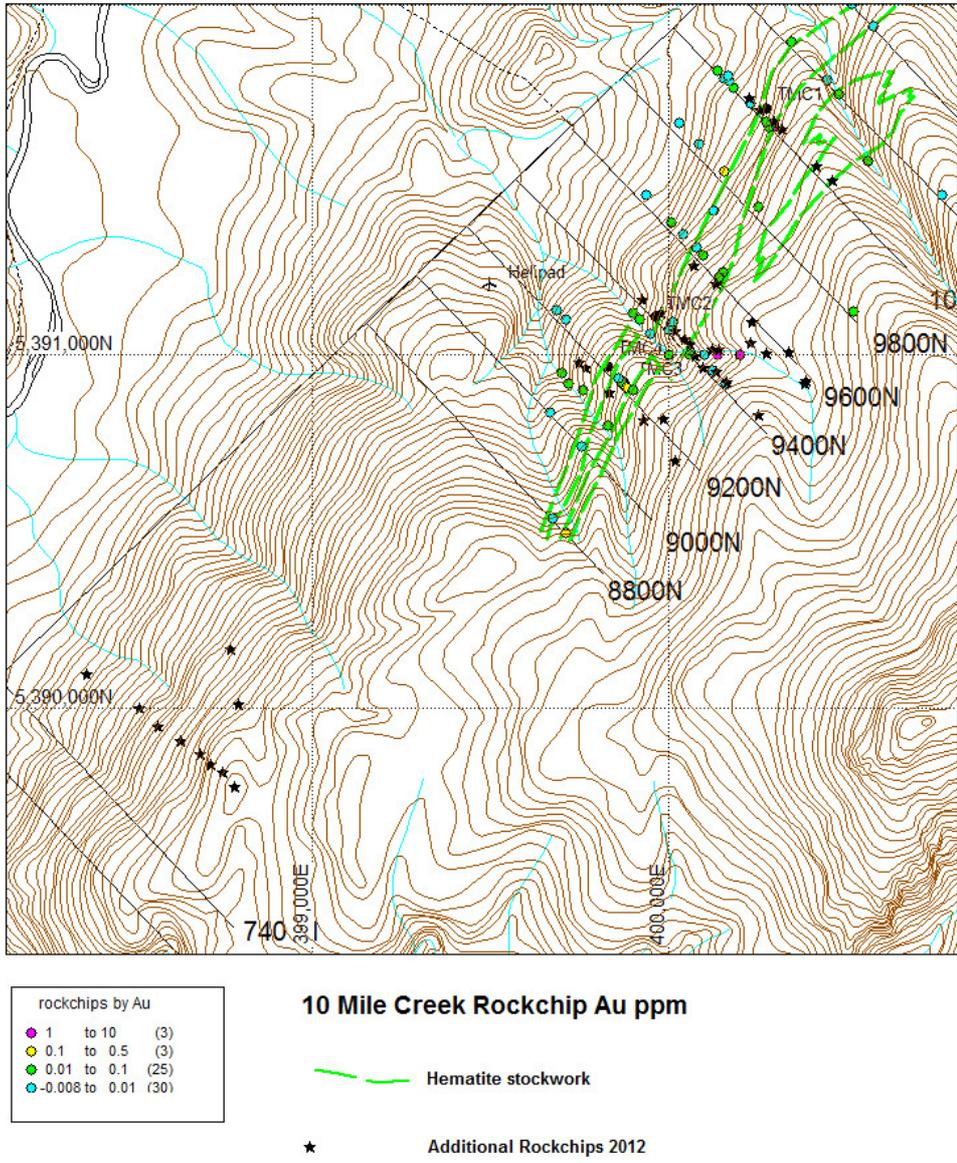


Figure 8. Additional rockchip samples 2012 field season.

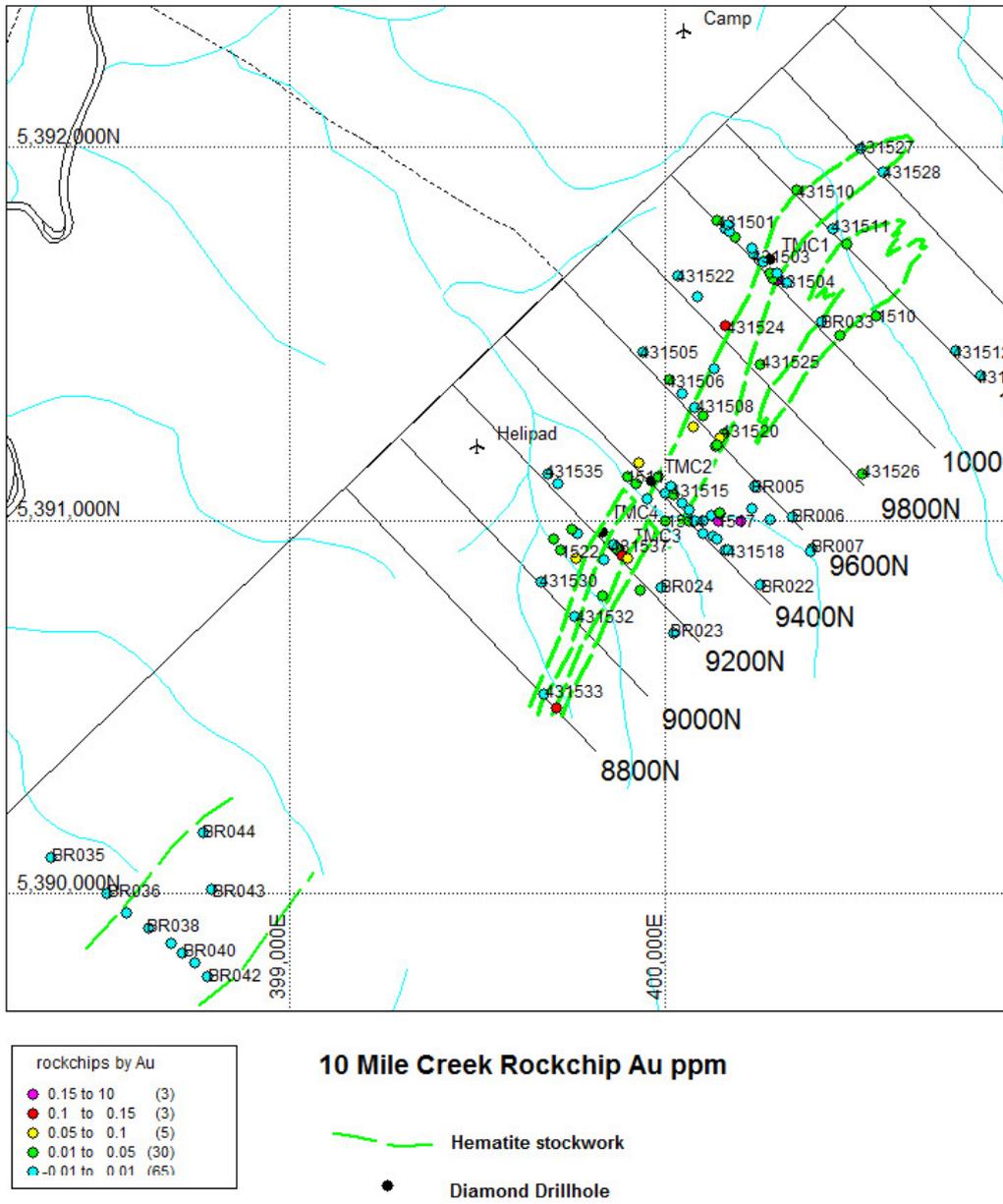


Figure 9. 10 Mile Creek Rockchip Au

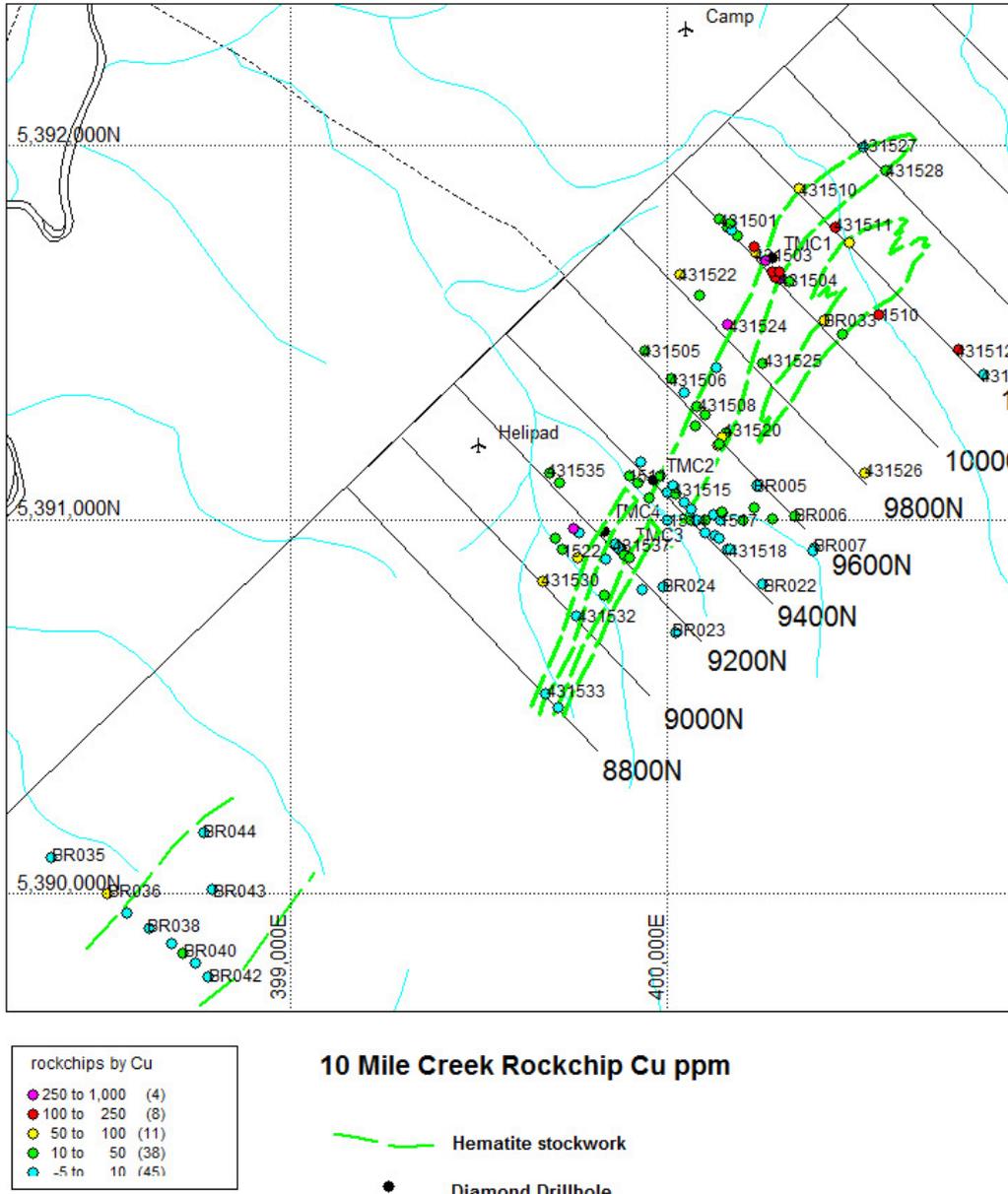


Figure 10. 10 Mile Creek Rockchip Cu

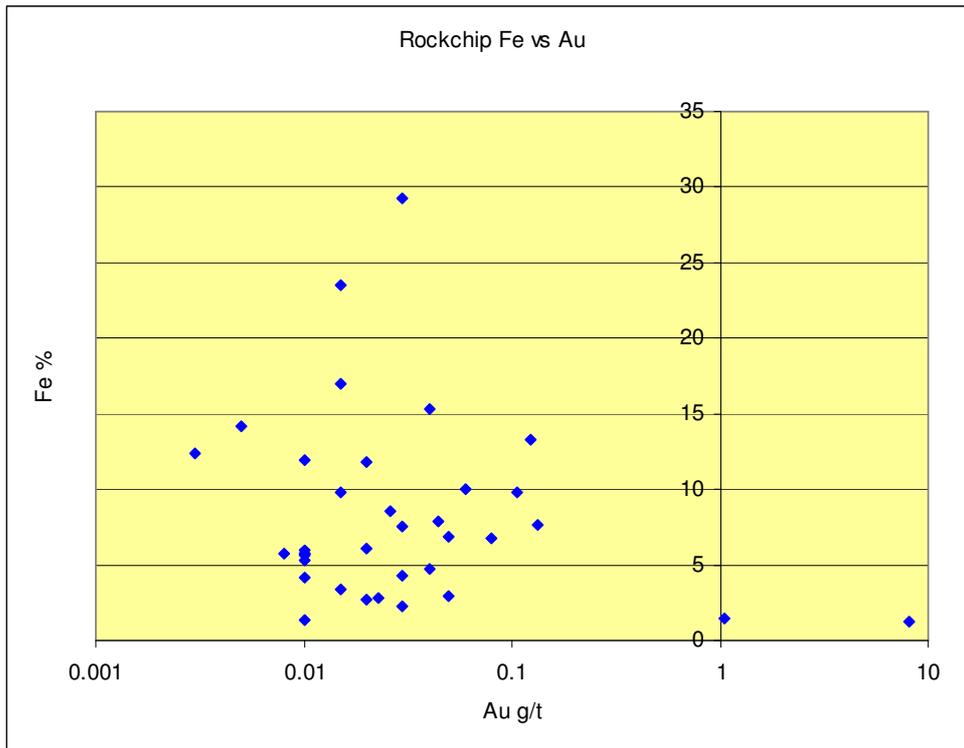


Figure 11. Rockchip Au vs Fe. There is a positive relationship between Fe and Au, possibly linear for Au and Fe <10%.

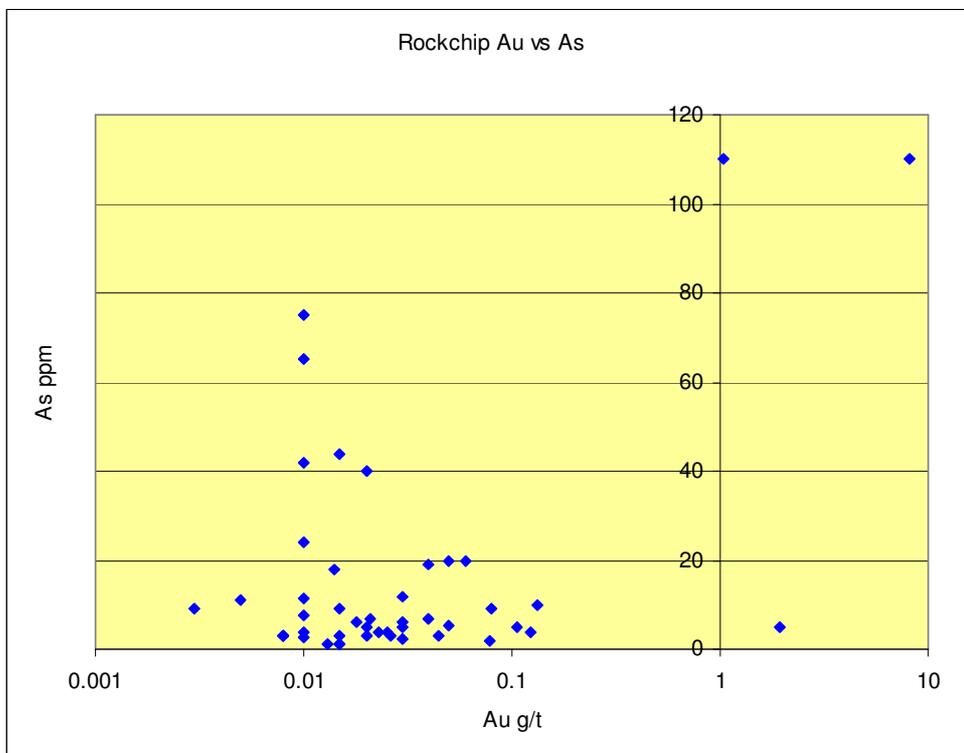


Figure 12. Rockchip Au vs As

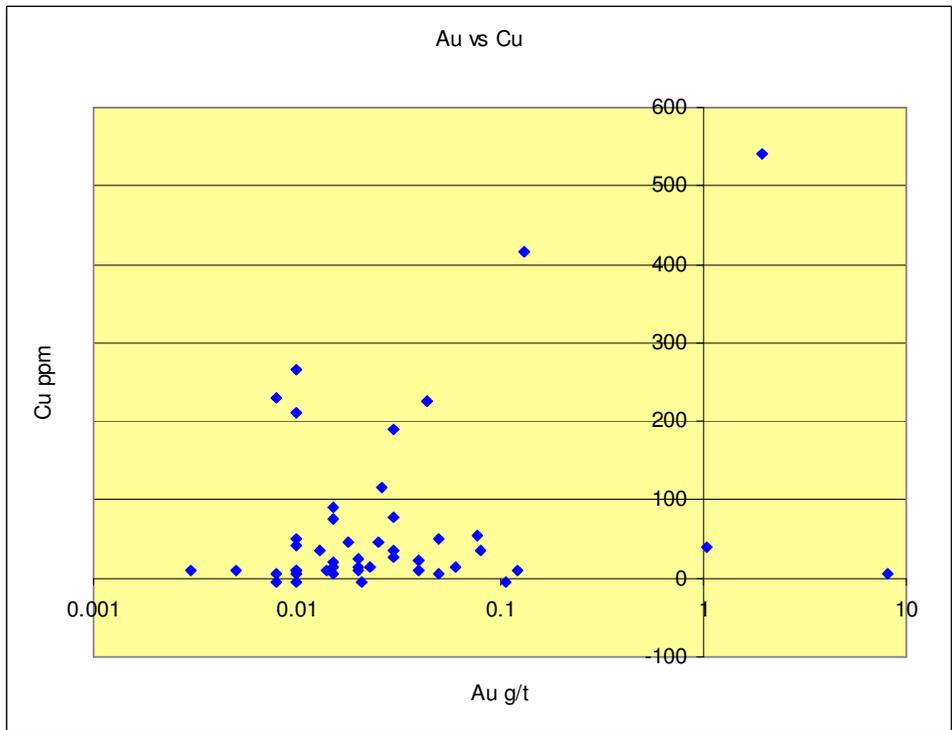


Figure 13. Rockchip Au vs Cu

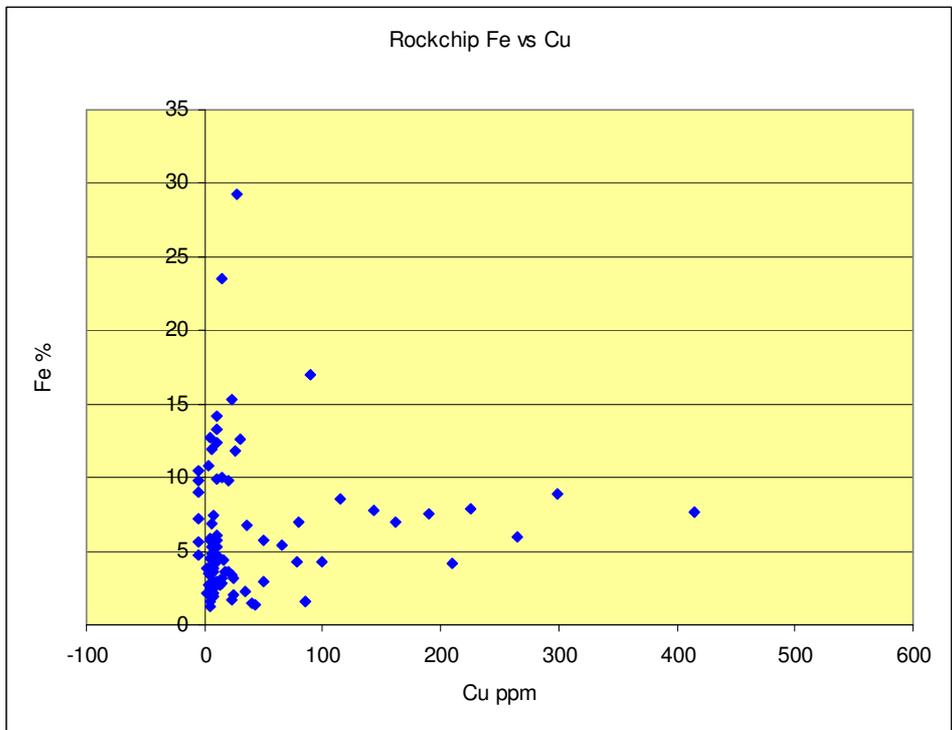


Figure 14. Rockchip Fe vs Cu

6.3 Lithochemistry

The 2012 rockchip sampling program included immobile element and limited whole rock geochemical analyses. Ti/Zr ratios for the Bonds Range Porphyry are quite high, approaching those expected for andesitic compositions with an average of 24.9. Cr levels are also relatively high averaging 53ppm. There is an obvious fractionation trend within the porphyry from a more andesitic composition to more dacitic composition as is evident on the Ti/Zr vs Cr plot (Figure 15). Ti/Zr and Ti/P ratios (0.1 – 0.2) suggest the porphyry is of MRV Suite 1 affinity according to the definitions of Crawford *et al* (1992). The fine quartz phyric rhyolite has a very low Ti/Zr ratio and is clearly a later intrusive phase.

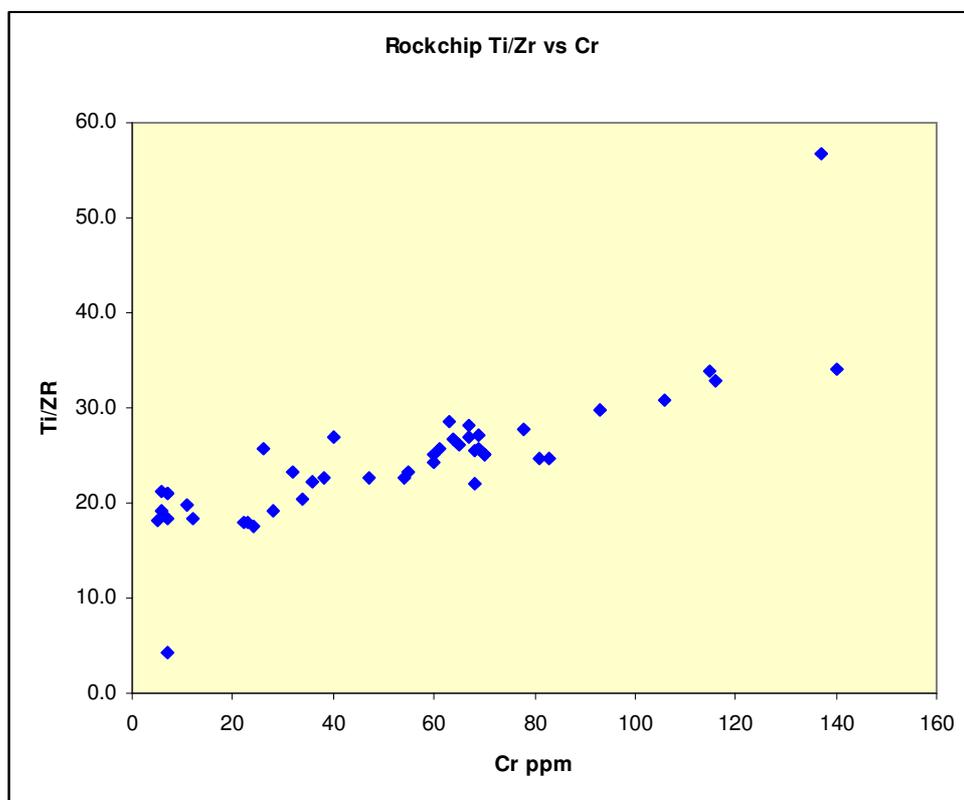


Figure 15. Rockchip Ti/Zr vs Cr. The linear relationship demonstrates a well developed fractionation trend within the differentiating porphyry intrusion.

The Bonds Range porphyry is clearly a large, calc-alkaline intrusion derived from a single felsic parent magma that has undergone significant fractionation either pre or post emplacement.

As expected from the intense K-feldspar alteration the potassium levels are high averaging 5.8% K₂O with a maximum of 7.2%.

A plot of rockchip Ti/Zr vs Fe% demonstrates two trends (Figure 16). One is a differentiation trend with a linear relationship between Ti/Zr and increasing Fe below

10%. The sporadic high grade Fe values (>10%) are associated with the hematite-chlorite alteration zone, particularly samples with specular hematite veining.

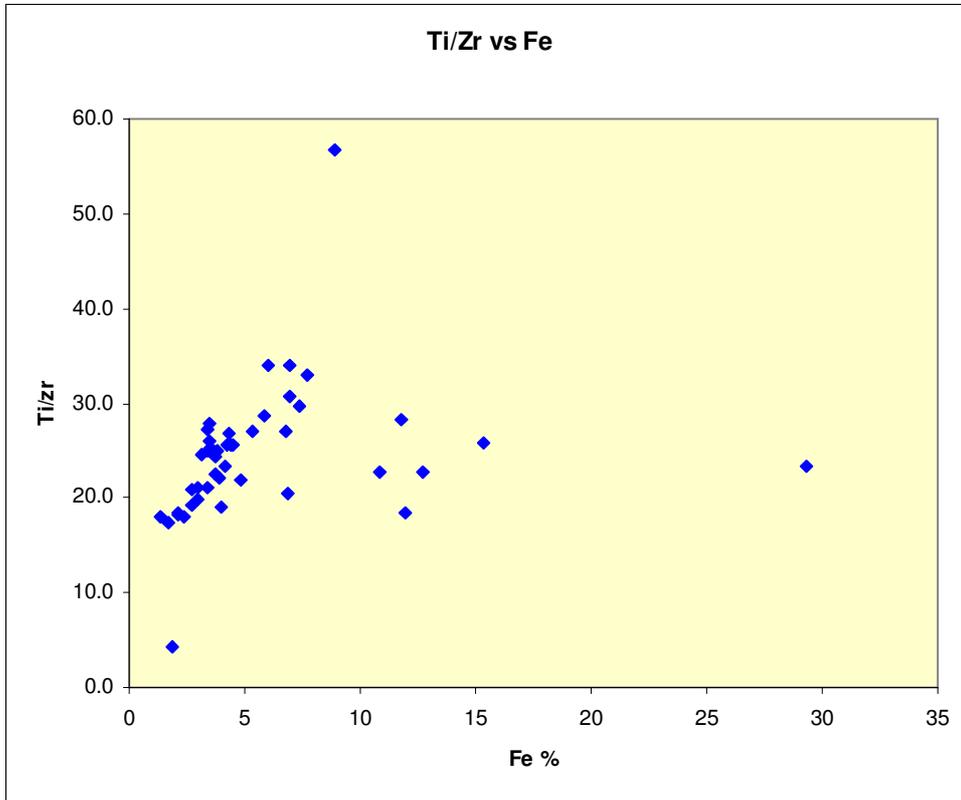


Figure 16. Rockchip Ti/Zr vs Fe%. There is a clear linear relationship between Ti/Zr and Fe<10% demonstrating the fractionation trend of the porphyry. The high Fe values (>10% Fe) are related to intense specular hematite veining.

7 DISCUSSION

The Bonds Range Porphyry is a differentiated calc-alkaline intrusive body ranging from a low MgO andesitic to dacitic composition. The well defined differentiation trend is best highlighted by increasing Fe, and Cr and increasing Ti/Zr ratios. The porphyry is highly potassic with strong pervasive K-feldspar alteration low Na₂O and low MgO. Increasing mafic minerals biotite and hornblende characterize the more mafic, phases of the porphyry. Ti/Zr and Ti/P ratios suggest it has MRV Suite 1 magmatic affinities as defined by Crawford *et al*, (1992). The larger intrusion has been later intruded by finer grained felsic quartz-feldspar porphyry with a spherulitic groundmass and chilled margins. The rhyolite is characterized by low Ti/Zr ratios and low Cr.

Strongly stressed and fractured rocks have late stage quartz-hematite stockwork veining and associated hematite-chlorite alteration. There is an obvious spatial and geochemical relationship between the Fe alteration and weak Cu-Au mineralisation in rockchip and soil sampling surveys. Porphyry hosting coarse hematite veining demonstrates a break from the differentiation trend to higher Fe values. Some magnetite is associated the porphyry although it is unclear if this is magmatic or hydrothermal in origin. Au shows a weak association with both Cu and Fe although the two highest grade Au samples break the trend and are relatively low in Fe (<5%).

Anomalous rockchip Au is broadly associated with the mapped alteration zone, with most samples being very low in the range 0.01-0.1g/t. The two highest grade rock chips taken by CRA geologists are located further up slope than the stock work mineralisation and are reported to be associated with sericitised porphyry and minor disseminated pyrite. Intensive rockchip sampling and additional soil sampling by both Aberfoyle and Unity geologists failed to replicate the high grade gold samples. No soil anomalies were identified in the vicinity of the high grade samples.

The soil and rockchip Cu anomalism associated with stronger chlorite alteration is more prominent to the northeast extending north from Line 9800N and remaining open to the northeast. Soil Au is more sporadic and loosely coincident with the hematite alteration zone although outliers further up and down slope are evident.

The K₂O alteration and Fe-Cu-Au association suggests the mineralisation fits into the iron-oxide-copper-gold (IOCG) spectrum. However the Au and Cu need to be at least an order of magnitude higher to be of economic interest. The lack of significant results from the intensive follow up of the CRA high grade samples suggests a high grade deposit of significant size is unlikely to exist near surface within the porphyry. However to be certain the prospect has been thoroughly tested a cut track could be cleared up the creek and followed by close spaced rockchip sampling and geological mapping.

The alteration zone remains open to the southwest along the strike of the porphyry. Gold drainage anomalies at Anio Creek and the headwaters of Backwater Creek near Romulus' Pup suggest the alteration system extends for a significant strike distance southwest. Both of these creeks drain the Bonds Range Porphyry. A geological traverse was made just north of Anio Creek on approximately grid 7600N (no grid lines were cut this far south). Similar quartz-hematite veined and altered porphyry was identified. No significant gold was identified from samples taken in this area with most

samples below detection. The source of the Anio Creek drainage anomaly remains untested.

A significant W drainage anomaly is associated with the 10 Mile Creek Prospect. There is no obvious relationship between Au and W from rockchip samples. However the potential for a Au-W association should be investigated. It is recommended the core at MRT be inspected and possibly some lamping and analysis of samples completed.

The Backwater Creek drainage anomaly off Romulus Pup is also anomalous for Sn (Figure 17). This anomaly is close to the Devonian Granite outcrop at Granite Tor and is probably responsible for the Sn anomaly. Field reconnaissance is recommended to assess the Au potential.

First vertical derivative aeromagnetic images highlight a complex magnetic signature to the porphyry with the Cu rich zone to the northeast associated with a higher magnetic intensity and Au zone with low magnetic intensity. Further investigation is required to see if this is meaningful and whether other highs and lows are significant (Figure 18).

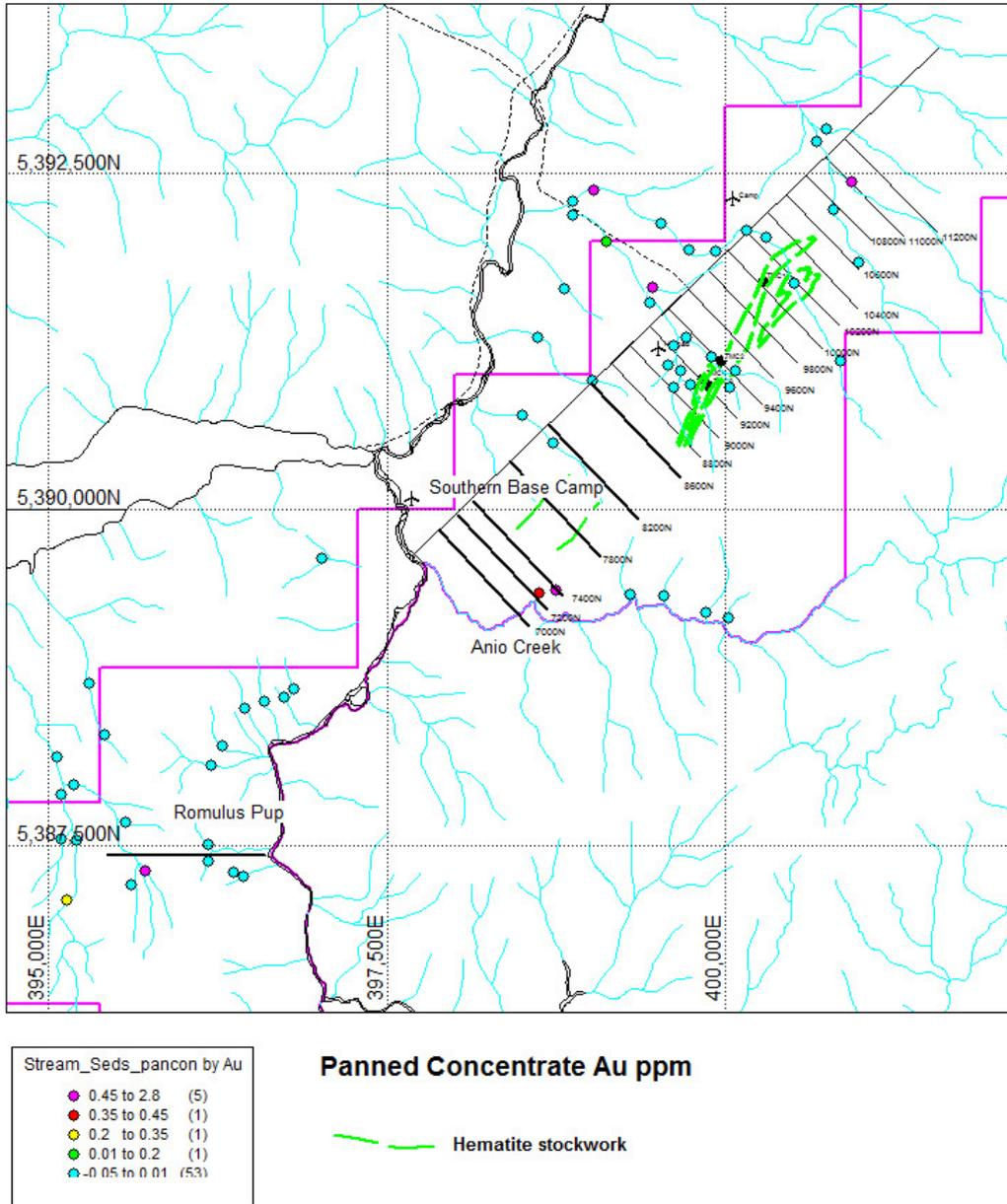
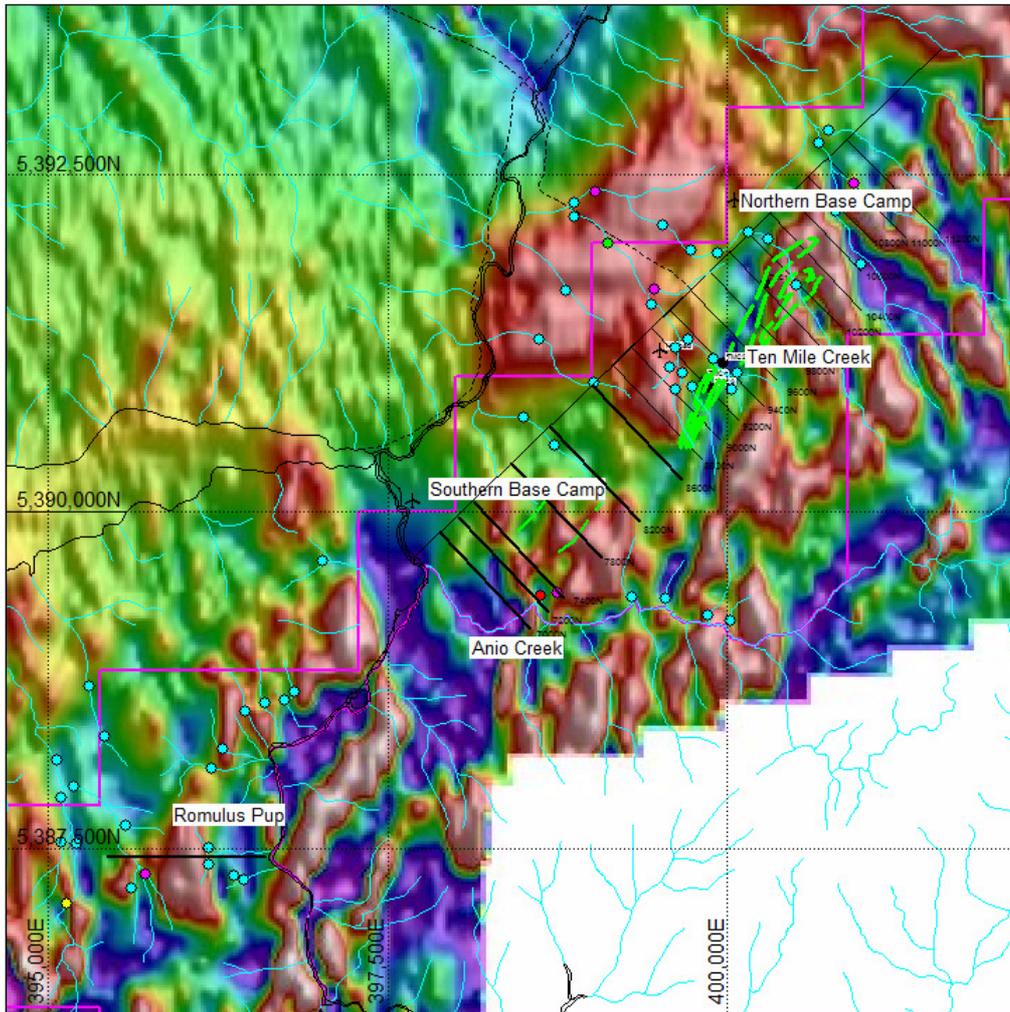


Figure 17. Stream Sediment Panned Concentrate Au and proposed gridding and reconnaissance sampling areas for 2013.



Stream_Seds_pancon by Au		
●	0.45 to 2.8	(5)
●	0.35 to 0.45	(1)
●	0.2 to 0.35	(1)
●	0.01 to 0.2	(1)
●	-0.05 to 0.01	(53)

Panned Concentrate Au ppm and 1VD TMI Image

— Hematite stockwork

Figure 18. 10 Mile Creek 1vd TMI Image, panned concentrate Au, prospect locations and proposed gridding for 2013 season.

8 RECOMMENDATIONS

Exploration to date suggests the mineralisation is of IOCG style although so far of low tenor. The mineralised zone is open both NE and SW and requires first pass field exploration.

Recommendations for exploration activities for the 2013 field season include:

- Investigate the two Au drainage anomalies along strike to the southwest at Anio Creek and the headwaters of Backwater Creek.
- Establish a Southern Base Camp to provide access to these work areas.
- Cut gridlines lines 7000N, 7200N, 7400N, 7800N, 8200N and 8600N
- Geological reconnaissance, soil sampling and mapping on lines 7000N, 7200N, 7400N, 7800N, 8200N and 8600N
- Cut a foot track up the Fury River to the base of Romulus Pup to facilitate access to panned concentrate Au sample sites and surrounds
- Geological reconnaissance sampling and mapping of Romulus Pup area.
- Inspection of MRT drill core, particularly for the presence of W.

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STATEMENT OF INDEPENDENCE

Tim Callaghan has no material interest or entitlement in the securities or assets of Unity Mining or any associated companies.

LIMITATIONS AND CONSENT

The report has been prepared for Unity Mining Ltd using historic information available to the Author at the time of writing. The opinions stated herein are given in good faith and with the belief that the basic assumptions are factual and correct and the interpretations reasonable.

This report is not intended for the use as a public document nor, in whole or in part, in a public document without written consent to the form and context in which it appears.

Coordinates in this report are recorded in AMG66 Zone 55

Appendix 1
Soil Sample Results

SampleID	Local_East	Local_Nort	SampleCor	AGD_East	AGD_Nortf	SoilHorizon	Au_ppm	Ag_ppm	Al_%	As_ppm	Ba_ppm	Be_ppm	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm
TMC001	21000	9200	3 m north	400100.2	5390614	B-C 500mm	<0.01	0.09	5.9	4	950	1.44	1.18	0.02	0.05	104
TMC002	20975	9200	3 m south	400084.2	5390633	B-C 300mm	<0.01	0.1	6.1	4.7	880	1.58	1.28	0.04	0.07	100.5
TMC003	20950	9200		400067.9	5390653	B-C 200mm	<0.01	0.04	3.92	1.5	670	1.36	0.42	0.02	0.05	112.5
TMC004	20925	9200		400051.8	5390672	B-C 300mm	<0.01	0.09	4.76	3.4	990	1.14	0.6	0.03	0.07	118.5
TMC005	20900	9200	3 m west	400035.7	5390691	B-C 300mm	<0.01	0.09	5.14	2.8	870	1.41	0.5	0.02	0.04	103
TMC006	20875	9200	3 m north	400019.7	5390710	B-C 400mm	<0.01	0.08	6.51	2.9	1070	1.75	0.69	0.06	0.06	103.5
TMC007	20850	9200	3 m north	400003.9	5390730	B-C 300mm	<0.01	0.11	5.52	2.7	950	1.34	0.88	0.03	0.05	101.5
TMC008	20825	9200	4 m south	399988	5390749	B-C 500mm	<0.01	0.13	7.03	4.4	910	1.57	1.22	0.02	0.05	94.9
TMC009	20800	9200	3 m north	399972.3	5390768	B-C 300mm	<0.01	0.07	7.66	3.6	870	1.9	1.21	0.09	0.07	98.4
TMC010	20775	9200		399957.2	5390788	B-C 300mm	<0.01	0.08	6.66	2.8	1270	1.4	0.28	0.05	0.05	135
TMC011	20750	9200	2 m south	399942	5390808	B-C 400mm	<0.01	0.12	4.54	3.5	1180	0.9	0.41	0.02	0.11	113
TMC012	21000	9400	4 m west	400294.5	5390793	B-C 400mm	<0.01	0.1	2.67	2.6	840	1.09	0.25	0.01	0.06	125
TMC013	20975	9400		400275.3	5390809	B-C 500mm	<0.01	0.08	4.97	2.1	1180	2.23	0.21	0.01	0.06	89.9
TMC014	20950	9400	1 m west	400255.7	5390825	B-C 400mm	<0.01	0.09	3.79	2.5	860	1.04	0.4	0.02	0.07	95.8
TMC015	20925	9400		400241.3	5390845	B-C 400mm	<0.01	0.13	3.39	4.4	950	1.16	0.33	0.01	0.14	98
TMC016	20900	9400		400224.2	5390862	B-C 300mm	<0.01	0.1	5.02	4.3	840	1.51	0.63	0.01	0.08	93.8
TMC017	20875	9400		400207.3	5390879	B-C 300mm	<0.01	0.14	4.93	3.8	1120	1.95	0.26	0.03	0.12	90.9
TMC018	20850	9400	1 m west	400188.6	5390896	B-C 300mm	<0.01	0.1	7.18	5.9	810	1.74	0.88	0.03	0.08	108.5
TMC019	20825	9400	2 m south	400170.1	5390914	B-C 300mm	<0.01	0.11	3.83	3	940	0.87	0.77	0.05	0.08	107
TMC020	20800	9400		400154.5	5390934	B-C 300mm	<0.01	0.08	5.09	3.9	960	1.72	0.79	0.02	0.07	113.5
TMC021	20775	9400		400136.9	5390952	B-C 600mm	<0.01	0.11	4.01	4	600	0.74	0.89	0.01	0.09	61.5
TMC022	20750	9400	3 m west	400118.7	5390969	B-C 500mm	<0.01	0.11	3.72	2.4	870	0.94	0.5	0.01	0.04	99.9
TMC023	21000	9600		400403.5	5390897	B-C 300mm	<0.01	0.09	4.56	2.4	830	2.14	0.58	0.06	0.07	84.2
TMC024	20975	9600		400388.8	5390918	B-C 300mm	<0.01	0.13	4.39	4.4	1010	1.5	1.3	0.05	0.09	56.9
TMC025	20950	9600		400374.6	5390938	B-C 500mm	<0.01	0.1	4.63	3.7	1000	1.61	1.37	0.03	0.08	61.4
TMC026	20925	9600	2 m east	400360.2	5390959	B-C 200mm	<0.01	0.09	4.15	10.1	740	1.41	5.37	0.03	0.03	107.5
TMC027	20900	9600		400345.8	5390979	B-C 300mm	<0.01	0.08	4.57	2.8	810	1.15	0.84	0.05	0.04	76.8
TMC028	20875	9600		400329.9	5390999	B-C 200mm	<0.01	0.07	2.21	2.9	480	0.48	0.26	0.02	0.06	82.3
TMC029	20850	9600		400312.1	5391016	B-C 500mm	<0.01	0.08	6	4.2	850	1.99	6.08	0.01	0.04	109.5
TMC030	20825	9600		400294.3	5391033	B-C 200mm		0.02	4.02	3.3	1200	1.03	3.4	0.03	0.09	81.6
TMC031	20800	9600		400277.8	5391052	B-C 700mm	<0.01	0.1	4.58	4.2	980	0.96	0.72	0.02	0.09	77
TMC032	20775	9600		400259.9	5391070	B-C 400mm	<0.01	0.01	4.64	2.2	920	1.52	0.49	0.02	0.06	107
TMC033	20750	9600	5 m west	400241.3	5391086	B-C 300mm	<0.01	0.04	6.77	5.5	960	1.53	1.5	0.02	0.08	96.8
TMC034	20725	9600		400223.1	5391105	B-C 300mm	<0.01	0.06	8.3	4.8	900	1.47	1.58	0.01	0.06	93.8
TMC035	20700	9600	2 m west	400206	5391122	B-C 300mm	<0.01	0.03	4.6	1.9	1070	0.8	0.35	0.04	0.05	122.5

SampleID	Fe_%	Ga_ppm	Ge_ppm	Hf_ppm	In_ppm	K_%	La_ppm	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm	Ni_ppm	P_ppm	Pb_ppm
TMC001	3.42	16.8	0.27	3	0.113	3.1	48.7	11.7	0.34	248	1.07	0.15	13.2	7.8	190	26.7
TMC002	3.54	16.85	0.22	3.2	0.133	3.02	47.2	13.2	0.32	897	1.58	0.16	13.3	8.7	360	25.5
TMC003	1.78	10.4	0.2	3.2	0.096	2.77	52.2	4.5	0.24	140	0.67	0.1	13.7	5.4	180	15.5
TMC004	2.54	12.4	0.24	3.5	0.08	3.25	55.6	5	0.25	253	1.37	0.15	16.1	5.5	250	23.8
TMC005	2.67	14.15	0.18	3	0.098	3.01	48.1	7.2	0.3	281	0.8	0.14	13.5	7.6	190	19
TMC006	3.32	15.55	0.3	3.3	0.093	3.94	49.4	9.1	0.33	797	1.01	0.11	13.9	6.8	240	26.4
TMC007	3.06	14.95	0.21	3.1	0.091	3.24	47	10.1	0.33	418	0.93	0.17	13.3	9.4	340	25
TMC008	4.12	19.1	0.29	3.5	0.128	3.2	42.5	21.4	0.42	569	1.48	0.21	15	15.9	310	22.3
TMC009	4.18	18.9	0.27	3.2	0.135	3.31	44.9	17.9	0.61	765	0.96	0.23	13.9	24.3	320	20.4
TMC010	3.3	16.65	0.26	3.7	0.074	4.16	63.2	7.3	0.58	407	0.99	0.37	16.4	16.9	230	21.6
TMC011	2.25	12.75	0.21	3.4	0.061	2.59	53.2	8.9	0.2	142	0.86	0.19	16.8	6.5	180	37.7
TMC012	1.69	7.18	0.24	3.1	0.055	2.15	58.7	3.2	0.18	121	1.31	0.07	16.8	5.2	120	24
TMC013	1.91	13.65	0.19	3.3	0.121	3.31	42.6	4.7	0.38	138	0.54	0.06	16	4.1	110	23
TMC014	1.66	10.5	0.18	3.3	0.046	2.05	45.4	4.2	0.19	131	1.33	0.06	17.3	4.6	180	23.7
TMC015	1.61	9.7	0.2	3.1	0.065	2.19	45.1	3.7	0.21	105	0.72	0.06	15.2	5.7	120	36.9
TMC016	2.72	16.15	0.2	2.5	0.095	2.73	43.3	3.9	0.32	133	1.34	0.06	12.3	6.5	230	27.8
TMC017	2.06	13.8	0.2	3	0.121	3.8	40.4	4.4	0.41	144	0.71	0.08	12.9	8.9	190	34.6
TMC018	4.86	19.1	0.28	3.1	0.17	2.7	47.1	17.6	0.39	222	1.26	0.12	15.2	11.7	170	33
TMC019	2.16	12.5	0.19	3	0.084	2.55	50	4.4	0.22	121	0.72	0.12	14.9	5.3	180	28.7
TMC020	3.09	15.4	0.23	3.4	0.104	3.52	52.7	5.3	0.43	159	0.93	0.08	14.3	9.1	160	23.6
TMC021	3.01	11.7	0.15	2	0.092	1.46	28	9.6	0.2	78	0.92	0.07	9.1	5.9	190	23.1
TMC022	2.29	12.75	0.23	2.8	0.061	2.61	46.2	4.7	0.18	99	1.09	0.11	14.5	4.7	110	19.5
TMC023	1.4	11.45	0.18	2.3	0.099	2.92	38.6	13.1	0.32	236	0.72	0.06	8.6	8.9	130	18.2
TMC024	2.38	10.55	0.16	2.5	0.063	2.61	29.3	7.6	0.3	259	1.82	0.24	9.1	10.2	270	26.7
TMC025	2.53	11.2	0.16	2.6	0.07	2.86	30.3	9.6	0.36	732	1.2	0.23	8.5	11.7	200	32.1
TMC026	2.56	13.65	0.19	3.2	0.074	2.44	51.1	5.1	0.37	212	2.03	0.2	13.9	10	200	24.7
TMC027	2.62	14.2	0.22	3.7	0.065	2.39	37.4	10.1	0.27	152	1.19	0.31	16.9	9.3	160	19.3
TMC028	1.44	6.14	0.15	2.2	0.028	1.12	37.6	4.6	0.08	135	2.11	0.08	11.8	6.3	100	16.8
TMC029	4.52	19.3	0.34	3.3	0.232	2.96	55.5	5.4	0.38	184	0.96	0.06	15.1	13.4	210	18.7
TMC030	1.41	10.05	0.19	3.9	0.09	3.09	37.4	4.3	0.2	123	1.17	0.07	16.6	4.2	160	28.5
TMC031	2.04	12.2	0.19	3.4	0.087	2.89	36.8	3.9	0.19	126	0.74	0.06	14.8	16.2	180	28.2
TMC032	2.34	14.95	0.15	3.8	0.108	3.76	53	4.9	0.27	119	0.72	0.08	17	8.4	170	20.2
TMC033	4.57	22.8	0.29	3.1	0.151	3.25	48.8	11.7	0.34	152	1.24	0.05	14.1	14.8	330	26.9
TMC034	5	23.6	0.24	3.2	0.155	3.44	48.6	16.7	0.36	171	1.43	0.09	14.5	16	250	23.2
TMC035	2.54	12.85	0.17	3.2	0.064	3.53	62.1	5.3	0.17	110	0.74	0.17	16.3	6.9	180	21.5

SampleID	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm
TMC001	237 <0.002		0.03	1.33	8.7	1	3.2	33.3	1.2 <0.05		16.3	0.234	1.11	3	67	7	15.9	44	92.9
TMC002	213 <0.002		0.06	1.22	8.9	2	3.1	33.3	1.14 <0.05		18.2	0.244	1.11	3.7	64	7	18.2	47	100.5
TMC003	163.5 <0.002		0.02	1.53	6.4	1	2.3	23.7	1.19 <0.05		13.8	0.234	0.85	2.7	38	6.1	15.2	23	94.9
TMC004	187.5 <0.002		0.03	1.25	6.7	1	2.5	35.3	1.3 <0.05		14.8	0.277	0.98	3	48	6.5	16.1	36	105.5
TMC005	187.5 <0.002		0.02	1.29	7.5	1	2.6	31.4	1.14 <0.05		15.3	0.229	1.01	2.9	50	6	14.3	38	93.6
TMC006	255 <0.002		0.02	1.59	7.1	1	2.5	41.3	1.13 <0.05		17.3	0.201	1.3	3.3	42	7.9	17.7	51	101
TMC007	212 <0.002		0.04	1.2	8.1	1	2.7	38.8	1.14 <0.05		15.8	0.236	1.11	3.2	55	5.8	15	47	96.9
TMC008	217 <0.002		0.04	1.43	10	2	3.4	38.1	1.27 <0.05		22.6	0.251	1.17	4	67	5.6	15.7	76	106
TMC009	210 <0.002		0.04	1.39	10.4	2	3.2	37.7	1.22 <0.05		23.6	0.236	1.12	4.1	72	4.7	15.7	91	95.7
TMC010	233 <0.002		0.02	1.26	10.2	1	3.5	47.8	1.46 <0.05		20.6	0.252	1.27	4.1	66	4.2	17.8	80	108.5
TMC011	154 <0.002		0.04	1.52	6.6	1	2.6	37.5	1.42 <0.05		15.1	0.283	0.96	3.3	46	5.3	17	62	102
TMC012	124 <0.002		0.03	1.23	6.1	1	2.1	25.9	1.39 <0.05		13.1	0.283	0.61	2.5	38	8.6	17.3	34	91
TMC013	212 <0.002		0.03	1.64	6.1	1	2.6	31.8	1.26 <0.05		14.7	0.211	1.11	2.8	33	6.3	14.5	54	96.8
TMC014	135 <0.002		0.05	0.97	4.2	1	1.7	31.4	1.26 <0.05		14.1	0.239	0.8	3.4	22	5.3	16.5	40	102.5
TMC015	134.5 <0.002		0.04	1.32	5.2	1	1.9	24.8	1.24 <0.05		14.7	0.242	0.76	2.7	33	4.7	14.7	53	92.2
TMC016	196 <0.002		0.07	1.1	6.2	1	2.4	25.4	1.04 <0.05		15.2	0.181	1.05	3.3	39	3.6	14.7	47	77.5
TMC017	230 <0.002		0.05	1.58	8.9	1	2.6	32.9	1.2 <0.05		15.6	0.202	1.15	2.1	49	3.2	14.8	56	85.8
TMC018	180.5 <0.002		0.06	1.39	9.4	2	3.2	31.5	1.36 <0.05		28.1	0.249	1.07	4.1	67	4.1	16.5	59	91.8
TMC019	177 <0.002		0.05	1.1	5.9	1	2.4	37.8	1.24 <0.05		14.9	0.257	0.94	2.6	42	6.2	14.8	38	89.2
TMC020	236 <0.002		0.03	1.4	9.7	1	2.8	30.3	1.15 <0.05		15.9	0.274	1.14	3.3	69	6.7	17.1	44	108.5
TMC021	110 <0.002		0.09	1.08	5.5	2	1.9	21	0.77 <0.05		12.7	0.175	0.64	2.2	46	3.2	9.4	39	60.7
TMC022	140 <0.002		0.02	1.21	5.7	1	2.6	29.8	1.18 <0.05		13.7	0.265	0.78	2.6	46	5.8	14.4	26	86
TMC023	205 <0.002		0.03	1.69	6.5	1	2	21	0.84 <0.05		12.7	0.127	1.12	2.6	36	6.9	12.2	50	71.1
TMC024	161 <0.002		0.06	0.86	5.9	1	2.5	32.4	0.78 <0.05		10.1	0.158	1	2.7	38	7.7	13.7	41	83
TMC025	166.5 <0.002		0.03	0.86	6.3	1	2.4	32.9	0.84 <0.05		12.2	0.142	1.13	3	38	5.3	12.8	47	78.1
TMC026	155.5 <0.002		0.03	1.2	7.9	1	3.4	30.8	1.12	0.14	14.6	0.237	0.87	3.4	48	9.3	14.8	30	100.5
TMC027	146 <0.002		0.02	0.8	8.3	1	3.2	35.7	1.49 <0.05		16.4	0.291	1.02	4	53	8.6	14.2	31	109
TMC028	78.7 <0.002		0.02	0.84	3.7	1	1.8	18.2	0.87 <0.05		7.3	0.193	0.45	1.7	17	7.1	9.1	21	67.5
TMC029	216 <0.002		0.02	2.46	9.6	1	3.6	21.9	1.3 <0.05		16.8	0.261	1.11	3.2	76	15.4	17.7	44	102.5
TMC030	147.5 <0.002		0.03	1.34	7.2	1	1.5	43.9	1.21 <0.05		12	0.29	0.82	2.8	36	16	16.8	37	122
TMC031	175.5 <0.002		0.05	1.23	8.1	1	3.3	33.5	1.24 <0.05		12.5	0.259	0.85	2.7	44	6.5	13.2	47	102.5
TMC032	221 <0.002		0.01	1.57	11.4 <1		2.5	33.3	1.5 <0.05		13.9	0.329	0.99	3.4	73	9.1	18	38	111
TMC033	251 <0.002		0.04	2.11	11	1	3.8	31.6	1.33 <0.05		18.9	0.247	1.18	3.3	86	8.3	17.1	68	91.2
TMC034	239 <0.002		0.04	1.48	11	1	4	33.9	1.37 <0.05		23.7	0.272	1.16	3.3	86	9.4	17.8	64	92.9
TMC035	218 <0.002		0.02	1.2	7.2	1	2.9	40.9	1.46 <0.05		13.6	0.275	1.14	3.2	49	7.2	18	35	91.2

Appendix 2

Rockchip sample descriptions

Spl ID	Easting	Northing	RL	Description
BR001	400071	5391252	598	Quartz_feldspar porphyry. Intense pervasive hematite alteration and specular hematite veins and crackle breccia. Trace Magnetite
BR002	400133	5391201	648	Medium grained quartz-feldspar porphyry with vitric matrix. Strongly silicified with minor chlorite-sericite alteration of feldspars and mafics.
BR003	400133	5391201	650	Quartz-feldspar-biotite-hornblende porphyry with large K-feldspar to 10mm. Abundant biotite and hornblende altered to chlorite. Pervasive kfeldspar alteration.
BR004	400135	5391205	650	Medium grained quartz-feldspar porphyry with vitric matrix. Strongly silicified with minor chlorite-sericite alteration of feldspars and mafics.
BR005	400235	5391094	692	Quartz-feldspar-biotite-hornblende porphyry with large K-feldspar to 10mm. Sericite altered feldspars. Pervasive Hematite alteration.
BR006	400337	5391009	709	Quartz-feldspar-biotite-hornblende porphyry with large K-feldspar to 10mm. Moderate chlorite-silica alteration and veining. Float in Creek.
BR007	400388	5390927	723	Quartz-feldspar-biotite-hornblende porphyry with large K-feldspar to 10mm. Sericite altered feldspars. Weak pervasive Hematite alteration.
BR008	400385	5390918	722	Fine grained, white to grey quartzite with weak hematite alteration.
BR009	400277	5391004	701	Red to pink, quartz-feldspar-hornblende porphyry. Strongly silicified and kfeldspar altered. Chlorite-sericite altered hornblende and plagioclase.
BR010	400230	5391033	693	Pale grey, phenocryst poor quartz-feldspar porphyry. Strong silica-sericite alteration. (near CRA sample in creek)
BR011	400143	5391017	667	Red, medium grained quartz-feldspar-biotite porphyry. Strong Kfeldspar-hematite alteration. (Microgranitic texture?)
BR011A	400145	5391020	667	Quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Weak kfeldspar alteration and chloritised mafics. Microgranitic texture?
BR012	400122	5391015	646	Pale-grey, very fine grained silicified quartz porphyry. Sparse quartz phenocrysts of 1-2mm.
BR013	399927	5391157	511	Quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Strongly hematite altered. Chloritised mafics.
BR014	399980	5391120	550	Quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Strongly hematite altered. Chloritised mafics.

Spl ID	Easting	Northing	RL	Description
BR015	400021	5391069	599	Quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Strongly hematite altered. Chloritised mafics. Specular hematite veins. Microgranitic texture?
BR016	400044	5391047	606	Quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Strongly hematite altered. Chloritised mafics. Specular hematite veins. Microgranitic texture?
BR017	400060	5391030	614	Quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Strongly hematite-kfeldspar altered. Chloritised mafics.
BR018	400075	5390999	635	Quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Weakly hematite altered. Chloritised mafics.
BR019	400099	5390965	648	Fine grained, quartz-feldspar-hornblende porphyry. Sparse phenocrysts in a silicified vtric matrix. Weak sericite alteration.
BR020	400136	5390951	671	Quartz-feldspar-biotite-hornblende porphyry Weak to moderate sericite-chlorite alteration.
BR021	400164	5390923	688	Medium grained quartz-feldspar-biotite-hornblende porphyry. Kfeldspar altered matrix. Quartz-chlorite stockwork veins.
BR022	400252	5390829	730	Quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Weakly hematite altered. Chloritised mafics and sericitised plagioclase.
BR023	400019	5390699	680	Medium grained quartz-feldspar-biotite-hornblende porphyry. Weak Kfeldspar altered matrix. Chloritised mafics.
BR024	399987	5390820	660	Medium grained crystal rich quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Weakly Kfeldspar alteration. Microgranitic texture.
BR025	399932	5390814	639	Purple, medium grained quartz-feldspar-biotite porphyry. Strong hematite alteration.
BR026	399836	5390894	586	Medium grained quartz-feldspar porphyry. Brecciated and veined Intense hematite alteration and specular hematite veining.
BR027	399766	5390965	546	Purple and red, quartz-feldspar-biotite-hornblende porphyry. Intense hematite alteration and veining. Brecciated.
BR028	399750	5390979	535	Purple quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Moderate hematite-sericite altered matrix.
BR029	400228	5391730	545	Coarse grained quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Granitic texture. Moderate Kfeldspar alteration. Abundant Chloritised mafics. Trace magnetite.
BR030	400258	5391695	556	Coarse grained quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Granitic texture. Moderate Kfeldspar alteration. Abundant Chloritised mafics. Trace magnetite.

Spl ID	Easting	Northing	RL	Description
BR031	400297	5391662	588	Medium grained quartz-feldspar-biotite-hornblende porphyry. Minor magnetite, Microgranitic. Strong chlorite-silica alteration.
BR032	400322	5391639	600	Coarse grained quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Granitic texture. Moderate Kfeldspar aiteration. Chloritised mafics. Trace magnetite.
BR033	400416	5391535	655	Coarse grained quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Micro granitic texture. Moderate Kfeldspar aiteration. Chloritised mafics.
BR034	400461	5391496	672	Coarse grained quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Granitic texture. Moderate Kfeldspar aiteration. Chloritised mafics. Trace magnetite.
BR035	398366	5390096	344	Hematite breccia. Intense pervasive hematite alteration and specular hematite veins and crackle breccia with angular sericitised clasts. Float.
BR036	398514	5390000	451	Coarse grained quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Granitic texture. Moderate Kfeldspar aiteration. Chloritised mafics. Trace magnetite.
BR037	398567	5389948	492	Coarse grained quartz-feldspar-hornblende-biotite porphyry. Abundant mafics (chloritised). Moderate hematite altered matrix.
BR038	398627	5389907	537	Purple quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Moderate hematite-sericite altered matrix.
BR039	398684	5389868	580	Coarse grained quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Weak hematite breccia and limonite stockwork veining. Bleached and sericitised?
BR040	398715	5389841	602	Coarse grained quartz-feldspar-biotite-hornblende porphyry with large K-feldspar and quartz to 10mm. Weak hematite breccia and limonite stockwork veining. Bleached and sericitised?
BR041	398747	5389816	609	Coarse grained quartz-feldspar-hornblende-biotite porphyry. Weak to moderate sericite-silica alteration. Chlorite veinlets.
BR042	398780	5389778	624	Coarse grained quartz-feldspar-hornblende-biotite porphyry. Weak to moderate Kfeldspar alteration. Chlorite veinlets. Possible Limonite after trace disseminated Py?
BR043	398791	5390011	585	Purple, coarse grained quartz-feldspar-hornblende-biotite porphyry. Intense silica-hematite breccia veining. Very hard. Bleached matrix.
BR044	398769	5390166	526	Purple, coarse grained quartz-feldspar-hornblende-biotite porphyry. Intense silica-hematite breccia veining. Very hard. Bleached matrix. Specular hematite veins.

Appendix 3
Rockchip Sample Results

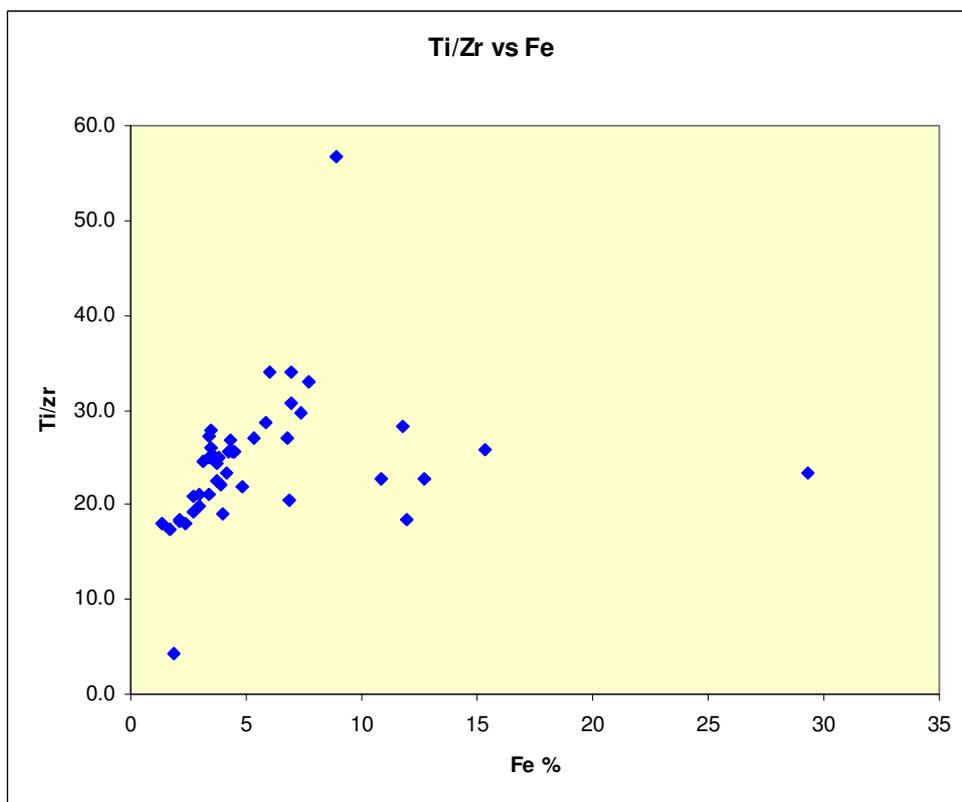
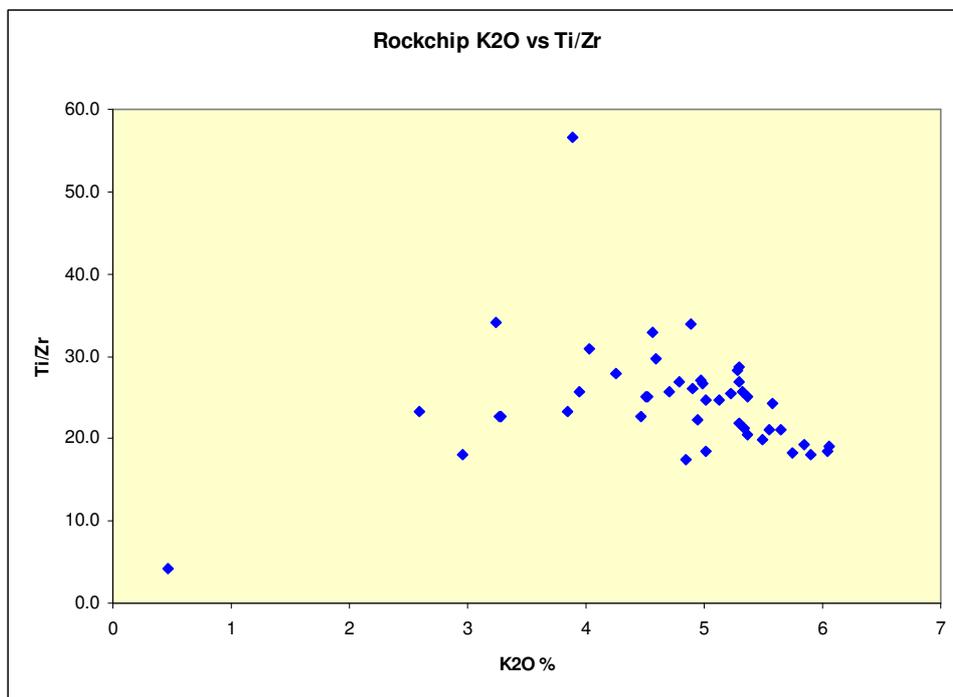
Sample_id	Au_ppm	Ag_ppm	Al_%	As_ppm	Ba_ppm	Be_ppm	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm
BR001	0.08	0.45	5.64	9	2080	2.13	86.3	0.01	0.5	62.8	2.2	40	4.9	35.1
BR002	-0.01	0.18	7.29	3.1	1600	2.88	1.12	0.04	0.18	101.5	4	6	9.22	23
BR003	0.03	0.47	6.46	2.4	1680	1.22	8.52	0.01	0.12	112.5	11.2	64	4.13	78.4
BR004	0.02	0.2	7.26	2.9	2290	2.25	2.32	0.02	0.14	48.7	3.9	7	5.42	13.5
BR005	-0.01	0.07	6.78	3	1600	2.34	0.23	0.01	0.06	153	1.6	36	5.63	8
BR006	-0.01	0.08	7.28	2.4	1490	3.26	0.21	0.05	0.09	98.9	8.8	83	5.08	18
BR007	-0.01	0.07	7.03	2.6	1110	3.05	0.28	0.03	0.1	111.5	6.6	70	5.62	7.4
BR008	-0.01	0.18	0.83	3.5	320	0.36	1.42	0.01	0.15	7.03	0.8	7	0.7	6.8
BR009	-0.01	0.24	7.27	11.3	3220	2.78	0.27	0.23	0.38	88.7	4.7	11	4.18	10.5
BR010	-0.01	0.17	6.52	5.5	>10000	2.54	0.55	0.02	0.18	120	1.6	24	4.66	23.2
BR011	-0.01	0.14	7.34	6.8	2600	2.41	0.74	0.04	0.3	111.5	3.1	5	6.38	7
BR012	0.01	0.49	6.37	11.6	3300	1.69	1.47	0.04	0.56	93.1	1.6	22	4.3	42.2
BR013	-0.01	0.09	6.77	4.7	1830	2.52	0.66	0.02	0.08	108.5	5.8	28	4.79	5.5
BR014	0.05	0.26	6.3	5.5	1590	2.32	2.66	0.02	0.12	67	13	34	6.21	6.6
BR015	0.04	0.44	4	6.8	1970	1.16	3.57	0.02	0.1	50.8	3.5	26	5.39	22.6
BR016	0.02	0.25	5.73	4.8	1750	1.57	2.12	0.01	0.08	102	14.8	67	10.85	25.3
BR017	-0.01	0.13	6.41	3.1	1370	1.95	0.13	0.07	0.13	109.5	10	61	8.17	4
BR018	-0.01	0.09	6.75	2.6	1210	1.99	0.15	0.02	0.04	103.5	6.9	69	6.05	4.2
BR019	-0.01	0.11	7.17	3.1	2180	2.33	0.19	0.03	0.15	93.7	3.6	7	9.85	7.5
BR020	-0.01	0.1	6.29	4	1010	2.25	1.08	0.01	0.05	76.7	9.7	93	8.18	7.7
BR021	-0.01	0.11	6.93	4.6	2080	1.95	0.2	0.04	0.09	92.6	7.2	60	3.78	4
BR022	-0.01	0.05	7.07	4.9	760	2.8	0.39	0.02	0.03	94.7	5.6	55	6.81	8.5
BR023	-0.01	0.09	6.86	6.2	1170	2.93	0.27	0.02	0.05	102	6.6	47	7.98	4.7
BR024	-0.01	0.07	6.85	2.1	1570	2.12	0.19	0.01	0.04	89.4	1.3	7	6.67	2.5
BR025	-0.01	0.09	7.03	2.9	2040	2.85	1.08	0.03	0.07	104.5	2.9	6	9.1	3.7
BR026	-0.01	0.3	4.68	7.7	1990	0.83	1.84	0.01	0.17	60.5	3.4	12	1.97	5.9
BR027	-0.01	0.13	5.71	8.8	570	3.27	2.05	0.02	0.11	44	5.2	38	7.04	3.5
BR028	-0.01	0.11	6.24	4.1	1230	1.89	4.5	0.01	0.05	91.6	5.9	63	6.68	4
BR029	0.01	0.19	6.87	2.8	1490	1.57	0.26	0.01	0.06	86.7	9	115	3.77	265
BR030	-0.01	0.17	6.82	4.1	1400	1.81	0.42	0.03	0.05	114	12.5	116	6.6	143.5
BR031	-0.01	0.21	7.8	3	1150	1.58	0.59	0.1	0.04	76.7	12.9	137	5.72	299
BR032	-0.01	0.26	6.74	2.6	1130	1.49	0.26	0.05	0.05	113	11.8	106	3.45	162
BR033	-0.01	0.12	6.98	2.4	1090	2.54	0.21	0.01	0.15	110	6.2	69	5.17	16.6
BR034	-0.01	0.1	6.69	2.3	1400	1.49	0.08	0.03	0.07	108.5	7.9	68	3.41	98.8
BR035	0.03	0.37	2.97	5.1	1230	0.86	19	0.01	0.07	55.3	27.2	32	3.25	27.1
BR036	-0.01	0.09	6.87	1.5	1410	2.01	0.26	0.03	0.06	172.5	7.6	68	5.67	5.9
BR037	-0.01	0.11	7.59	3.1	980	1.97	0.41	0.04	0.08	105	22.9	140	5.58	79.4
BR038	-0.01	0.12	7.03	3.3	1490	2.62	1.48	0.03	0.06	120.5	6.3	67	8.07	5.5
BR039	-0.01	0.1	7.06	3.1	1270	3.19	0.93	0.01	0.35	119	9.8	65	9.86	3.2
BR040	-0.01	0.06	7.29	4.6	770	3.98	0.22	0.03	0.06	116	9.6	78	8.62	4.4
BR041	-0.01	0.09	8.47	3	760	5.99	0.18	0.02	0.06	102	7.1	81	7.48	23.9
BR042	-0.01	0.06	7.15	3.1	860	4.28	0.2	0.02	0.04	127.5	10.2	70	7.86	2.3
BR043	-0.01	0.11	3.64	5.8	1050	1.13	0.76	0.01	0.12	66.7	2.8	23	3.01	5.9
BR044	-0.01	0.13	5.59	7.4	630	2.52	1.81	0.02	0.05	177	4.6	54	5.09	4.8
BR011A	-0.01	0.14	6.67	4.4	1660	2.58	0.41	0.1	0.13	76.6	12	60	6.33	6.1

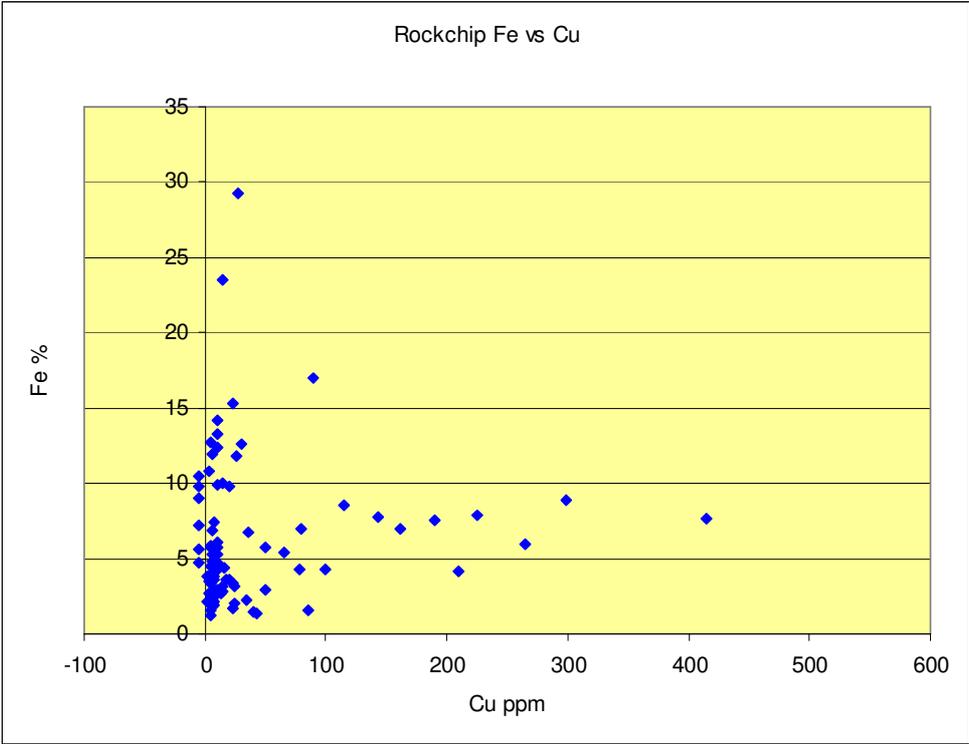
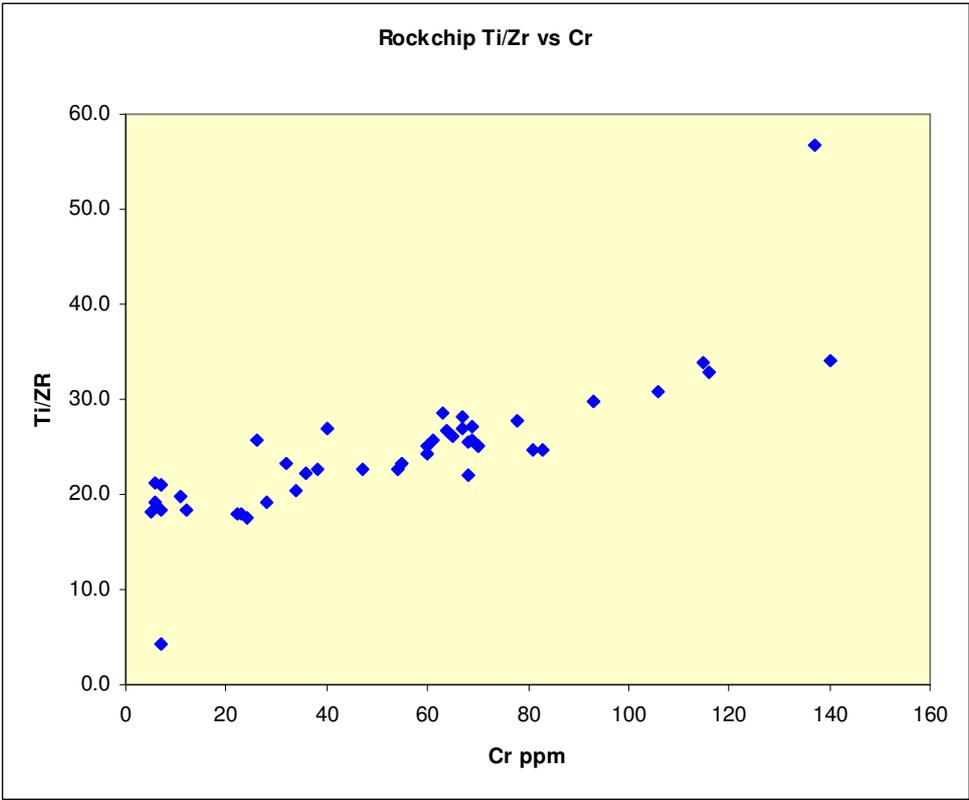
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BR001	6.75	21.7	0.17	2.4	0.093	4.79	28.8	2.9	0.18	132	1.89	0.07	10.2	10.7	220	176.5
BR002	3.4	19.5	0.16	4	0.199	5.34	45.2	5	0.44	253	0.51	0.05	13.1	4.5	340	54.1
BR003	4.28	16.55	0.18	3.2	0.091	4.99	53.4	7.8	0.96	754	0.26	0.09	14.6	24.8	280	35.7
BR004	2.71	16.9	0.1	4	0.114	5.65	23.4	4.2	0.34	197	0.45	0.1	13.4	3.8	210	42.1
BR005	3.87	17	0.21	3.2	0.164	4.94	78	5.4	0.33	142	0.54	0.06	14.2	9	290	25.2
BR006	3.61	24.1	0.17	4.2	0.203	5.12	40.1	13.8	1.11	624	0.29	0.06	17.2	20.8	450	22.6
BR007	3.64	18.65	0.18	3.4	0.126	4.52	56.9	12	0.79	370	0.31	0.25	15.4	28	330	31
BR008	1.9	2.4	-0.05	1.6	0.031	0.47	4.4	1.4	0.06	93	1.46	0.01	1.4	4.2	20	28.8
BR009	2.97	16.65	0.15	4	0.115	5.49	41.3	7.8	0.62	602	0.35	0.16	13	5.4	390	74.9
BR010	1.7	16.1	0.14	4.3	0.091	4.85	56.2	7	0.46	238	0.8	0.07	13	7.7	210	42.8
BR011	2.14	18.2	0.15	3.6	0.115	5.74	54.6	5.8	0.4	326	1.29	0.13	14	4.6	220	53.4
BR012	1.37	16.15	0.14	4	0.054	5.9	42.7	5.1	0.22	194	1.05	0.13	13.1	5.1	280	150
BR013	4	18.15	0.19	3.4	0.058	6.05	50.6	3.6	0.33	151	0.42	0.08	14.1	14.8	180	31.7
BR014	6.9	20.2	0.2	3.1	0.074	5.36	30.8	5.4	0.54	299	1.17	0.08	11.6	19.5	220	42.4
BR015	15.3	12.75	0.29	1.6	0.092	3.95	23.6	2.7	0.21	182	1.09	0.07	8.7	8	390	39.3
BR016	11.8	17.95	0.31	2.8	0.037	5.28	46.2	5.3	0.53	319	1.22	0.09	12.1	30.6	350	32.4
BR017	4.51	16.45	0.22	3	0.058	5.33	53.9	8.6	1	551	0.68	0.09	13.7	27	370	32.6
BR018	3.38	17.3	0.21	3.2	0.092	4.97	47.2	9.4	0.88	505	0.26	0.2	14.7	24.7	200	16.3
BR019	2.98	16.3	0.19	4	0.104	5.55	46	6.1	0.53	366	0.36	0.11	13.3	4	310	40.5
BR020	7.4	17.4	0.24	3.1	0.156	4.59	37.3	11.3	1.26	702	0.77	0.11	13.2	35.9	200	28.3
BR021	3.35	16.5	0.21	3.7	0.104	5.37	46.1	9.1	1.04	562	0.17	0.45	14.1	25.5	340	40.7
BR022	4.19	18.55	0.22	3.6	0.183	3.84	48.4	8.8	0.89	316	0.41	0.08	15.3	23	220	18.9
BR023	3.7	17.2	0.22	3.6	0.164	4.46	50.3	9.2	0.82	681	0.52	0.28	13.9	21.1	310	16.4
BR024	2.16	16.45	0.18	3.4	0.049	6.04	37.5	4.6	0.32	259	0.26	0.1	13.7	2.9	140	26
BR025	2.7	17.45	0.21	3.3	0.055	5.85	48.1	5.7	0.36	205	0.46	0.1	13.1	5.2	220	27.3
BR026	11.95	11.5	0.27	2.3	0.016	5.01	30.6	0.9	0.07	82	1.46	0.08	9	4.7	50	59.4
BR027	10.85	21	0.29	2.7	0.096	3.27	22.9	2.7	0.22	185	3.29	0.02	11.7	22.4	90	41.3
BR028	5.82	20.3	0.26	3	0.052	5.29	43.7	2.1	0.2	119	0.51	0.07	14.4	22.5	60	24.2
BR029	6	20.8	0.27	3.5	0.054	4.89	40.8	12	1.37	943	1.02	0.09	14	43.5	350	21.5
BR030	7.73	21.2	0.33	3.6	0.054	4.57	52	11.2	1.36	968	0.3	0.12	13.8	40.6	470	21.6
BR031	8.88	22.9	0.38	2.8	0.055	3.89	33.7	17.1	2.58	1560	0.49	0.23	12.6	51.3	650	17
BR032	6.95	24.9	0.33	3.5	0.054	4.03	51.7	12.1	1.59	1220	0.77	0.07	13.9	39.7	430	16
BR033	4.42	18.45	0.29	3.3	0.067	4.71	54.5	10.7	1.09	637	0.21	0.07	14.6	34.7	170	31.2
BR034	4.23	16.95	0.3	3.2	0.027	5.22	53.9	8.1	0.98	606	0.5	0.56	14.8	27.7	250	16.1
BR035	29.3	8.6	0.52	1.8	0.089	2.59	26.1	2.3	0.28	577	1.47	0.04	9.7	12.9	130	35.9
BR036	4.8	19.65	0.34	3.5	0.119	5.3	87.2	8.4	0.92	525	0.24	0.07	14.8	26.7	350	17.9
BR037	6.95	20.5	0.31	3.4	0.148	3.24	45.3	11.9	0.96	1360	0.51	0.05	15	51.3	670	22.8
BR038	5.32	21.9	0.31	3.1	0.098	5.3	57.7	6.3	0.95	508	0.67	0.08	15.2	24.6	170	32.1
BR039	3.47	18.35	0.29	3.2	0.062	4.9	57.2	17.8	0.91	1620	0.22	0.05	15.1	29.3	350	101
BR040	3.49	20.5	0.34	3.4	0.156	4.25	63.5	10.6	0.95	916	0.46	0.07	15.2	38.3	280	23.5
BR041	3.12	28.1	0.32	4	0.229	5.01	48.3	14.3	1.1	544	0.64	0.03	17.8	30.9	300	32.8
BR042	3.83	21.9	0.36	3.5	0.245	4.51	63.8	11.3	1.19	811	0.18	0.05	16	32.3	350	22
BR043	2.39	9.39	0.24	2.3	0.032	2.96	35.1	2.6	0.15	144	0.6	0.04	7.5	10.4	90	41.1
BR044	12.75	18.8	0.48	2.4	0.195	3.28	79.4	2.3	0.22	120	0.76	0.02	11.6	16.9	210	35
BR011A	3.76	17.75	0.31	3.2	0.143	5.58	33.9	11.8	1.19	860	0.22	0.13	14.6	33.5	410	52.2

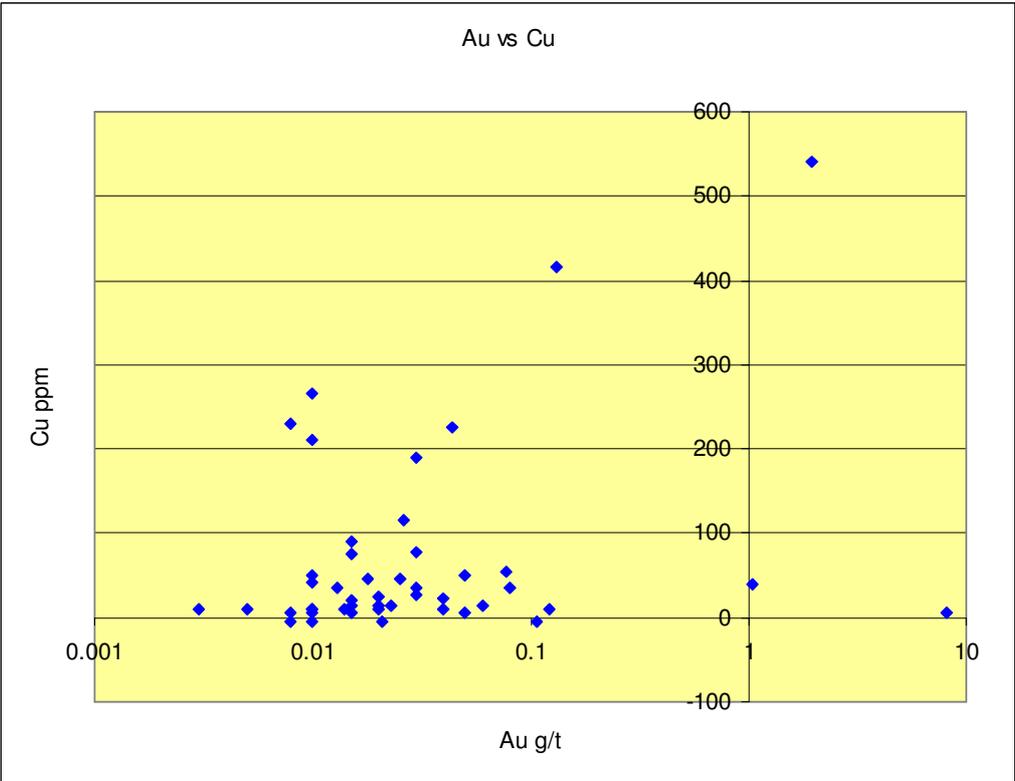
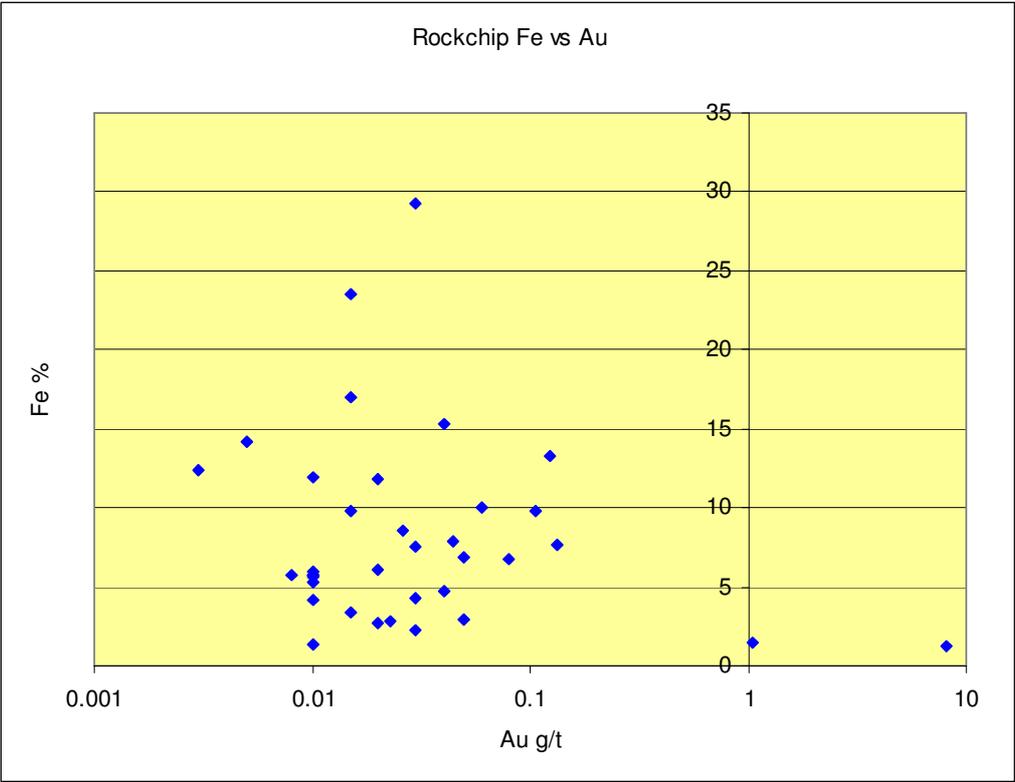
SampleID	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm
BR001	237	0.002	0.08	6.87	7.7	1	2.2	40.7	0.99	0.18	18.6	0.178	1.15	4.5	46	92	13.9	202	66
BR002	316	0.002	0.03	2.71	11.7	1	2.7	21.1	1.05	-0.05	13.1	0.268	1.65	4.4	63	12.3	20.9	113	126.5
BR003	209	0.002	0.02	1.57	10	1	3	45.5	1.38	-0.05	25	0.239	1.2	3.2	61	13.7	16.1	144	89.3
BR004	219	0.002	0.02	2.09	11.2	1	1.5	73.1	1.08	-0.05	14.6	0.256	1.52	3.9	58	8.7	20.7	87	122
BR005	282	0.002	0.01	3.21	9.3	1	2.9	41.2	1.24	-0.05	21	0.206	1.21	4	55	13.8	26	49	92.9
BR006	336	0.002	0.01	1.18	15.5	1	4.4	30.3	1.6	-0.05	25.1	0.294	1.58	5	99	8.7	24.2	93	119
BR007	280	0.002	0.02	1.41	11.1	1	3	38.7	1.42	-0.05	27.8	0.25	1.3	4	67	4.2	17.2	131	100
BR008	31.5	-0.002	0.02	1.03	1.1	-1	2.1	4.5	0.08	-0.05	1.3	0.023	0.13	0.9	6	10.5	2.9	54	53.7
BR009	184	0.002	0.07	3.27	11.3	1	1.7	86.9	0.98	-0.05	14.9	0.254	1.43	3.8	58	5.7	22.5	196	128.5
BR010	225	0.008	0.25	1.46	10.9	1	3.2	241	1.3	-0.05	24.4	0.216	1.34	5.8	58	9	32.8	74	123.5
BR011	229	0.002	0.05	2.83	7.5	1	1.9	78.7	1.2	-0.05	17.8	0.185	1.92	3.7	35	3.5	20.5	137	101.5
BR012	202	0.003	0.07	3.01	7.9	1	2.4	93.6	1.28	0.57	21.8	0.213	1.76	2.1	43	23	21.2	217	118
BR013	268	0.002	0.01	3.69	8.4	1	2	55.4	1.26	-0.05	23.3	0.188	1.53	3.6	42	19.1	20.8	65	98.2
BR014	269	0.002	0.02	5.12	9	1	2.2	50.6	1.03	0.16	19.4	0.192	1.48	4.6	60	39.3	17.6	100	94
BR015	185.5	0.003	0.02	6.76	5.7	1	6.1	46.8	0.7	0.47	14	0.116	0.88	5.6	54	235	17.4	54	45.1
BR016	253	0.002	0.01	3.97	9.3	1	7.2	43.5	1.1	0.17	22	0.216	1.3	3.9	76	241	18.2	110	76.6
BR017	250	0.002	0.02	2.57	10	1	3.4	40.8	1.26	-0.05	25.1	0.218	1.35	3.5	64	10	20.4	133	84.9
BR018	243	0.002	0.01	1.27	10.9	1	3	37	1.39	-0.05	24.7	0.243	1.25	4.5	67	5	17.3	107	89.4
BR019	215	0.003	0.02	1.7	11.7	1	1.5	73	1.03	-0.05	14.7	0.271	1.46	4.3	60	8.5	20.9	122	128.5
BR020	251	0.002	0.01	3.48	12	1	3.8	26.1	1.1	-0.05	21	0.275	1.08	4.2	95	8	19.6	140	92.3
BR021	245	0.002	0.01	1.05	13.2	1	2.3	70.3	1.24	-0.05	21.6	0.277	1.23	4.4	70	5.6	21.7	140	110.5
BR022	258	-0.002	0.01	1.63	11.5	1	3	25.2	1.4	-0.05	25.4	0.231	1.11	5.6	64	2.3	16.3	94	99.3
BR023	262	-0.002	0.01	1.85	11.8	1	2.5	39.1	1.23	-0.05	22.6	0.235	1.27	3.6	64	3	36.6	110	104
BR024	297	-0.002	0.01	1.44	6.9	1	1.3	48.9	1.15	-0.05	16.1	0.181	1.66	3.3	29	4.8	14.9	50	98.3
BR025	255	0.002	0.01	2.21	7.8	1	1.1	68	1.06	-0.05	16.4	0.189	1.67	3.6	36	6.6	26.1	57	98.5
BR026	173.5	0.003	0.05	4.64	4.2	1	3.2	63.5	0.74	0.36	12.5	0.128	1.06	4.6	56	123	13.9	87	69.4
BR027	196.5	-0.002	0.02	8	6.7	1	1.3	13.5	1.03	0.13	19.4	0.172	0.89	9.1	43	46.1	19	86	75.8
BR028	288	0.002	0.01	3.1	11.3	1	3.9	42.8	1.38	0.06	22.6	0.233	1.52	4.1	59	29.9	17.2	44	81.3
BR029	236	0.002	0.01	1.18	18.3	1	3.4	48.2	1.12	0.06	17.8	0.358	1.26	3.9	113	60.5	17	137	105.5
BR030	253	0.002	0.01	2.38	17.1	1	3	46.2	1.14	0.07	19.9	0.347	1.33	4.2	112	47.9	25.1	141	105.5
BR031	211	0.002	0.01	1.01	25.7	1	2.8	40.2	0.88	0.06	13.4	0.501	1.16	2.3	186	45.8	22	187	88.4
BR032	248	0.002	0.01	1.34	16.9	1	3	36.5	1.17	0.06	21.8	0.342	1.18	4.1	104	76.4	26.5	138	111
BR033	296	-0.002	0.02	1.4	11.5	1	3.1	29.7	1.34	-0.05	27.2	0.231	1.65	4.8	66	4.7	22.5	152	89.9
BR034	253	0.002	0.01	1.39	10.7	1	2.6	53.1	1.34	-0.05	25.2	0.237	1.3	4.8	61	12	16.2	116	92.9
BR035	118	0.004	0.02	3.49	5.9	1	20.9	32.1	0.64	4.59	12.3	0.123	0.72	6.2	131	412	13.3	76	52.7
BR036	298	0.002	0.01	0.97	14.7	1	3.6	42.7	1.38	0.07	30.4	0.236	1.53	9.1	90	8.6	36.5	91	107.5
BR037	173.5	-0.002	0.02	1.56	22	1	4.6	30	1.17	0.05	23.7	0.366	0.93	6	108	12.1	17.9	154	107.5
BR038	310	0.002	0.02	2.29	12.1	1	4.4	41.4	1.41	0.07	28.3	0.244	1.71	4.5	68	24.1	29.3	165	90.5
BR039	309	-0.002	0.02	1.85	12.4	1	3.1	24	1.38	-0.05	29.7	0.235	1.89	4.7	64	5.8	25	301	90.1
BR040	304	-0.002	0.02	2.23	15.6	2	3.9	23.7	1.38	-0.05	27.9	0.278	1.52	4.8	84	2	29.2	128	99.8
BR041	404	-0.002	0.01	1.79	17.5	1	3.4	8.6	1.67	-0.05	29.9	0.291	2.15	8.3	98	3	18.9	111	118
BR042	304	-0.002	0.01	1.81	14.5	1	4.2	19.4	1.5	-0.05	30.8	0.253	1.57	10.3	73	7.3	28.5	143	101
BR043	154	-0.002	0.02	1.55	4.9	1	1.2	27.6	0.63	-0.05	10.2	0.13	0.91	3.5	25	8.5	13.4	73	72.2
BR044	207	0.002	0.01	6.63	12.5	2	8.4	9.6	0.9	0.27	23.4	0.162	1.02	10.7	72	192.5	65.2	45	71.2
BR011A	282	0.002	0.02	2.25	11.6	1	4.2	48.2	1.34	-0.05	27.4	0.222	1.39	4.2	63	6.5	20.4	168	91.3

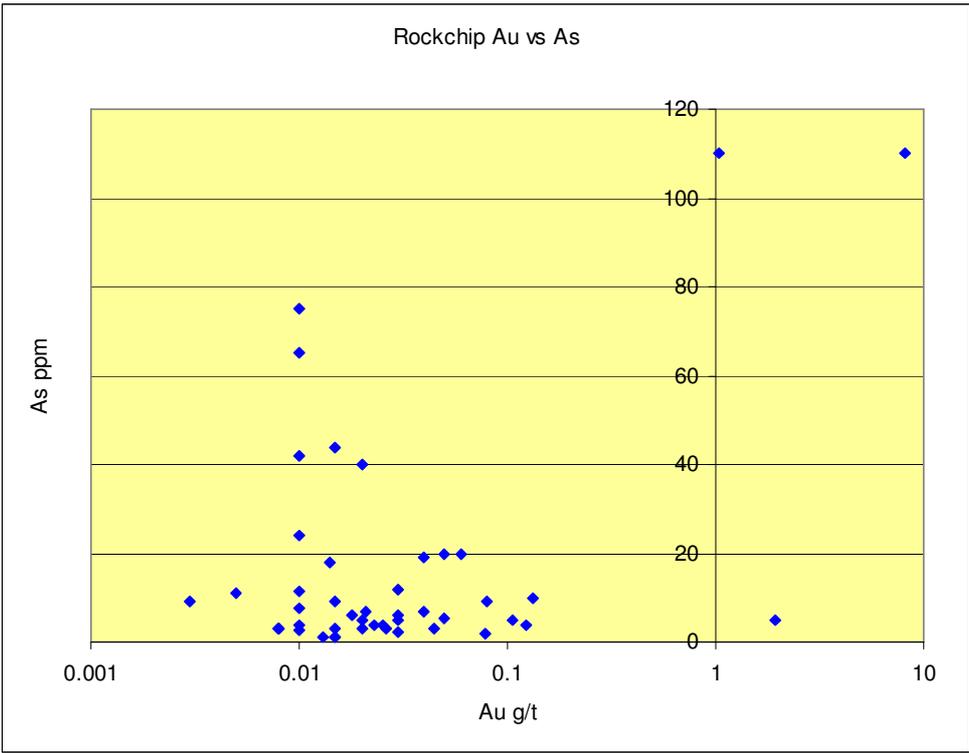
Appendix 4

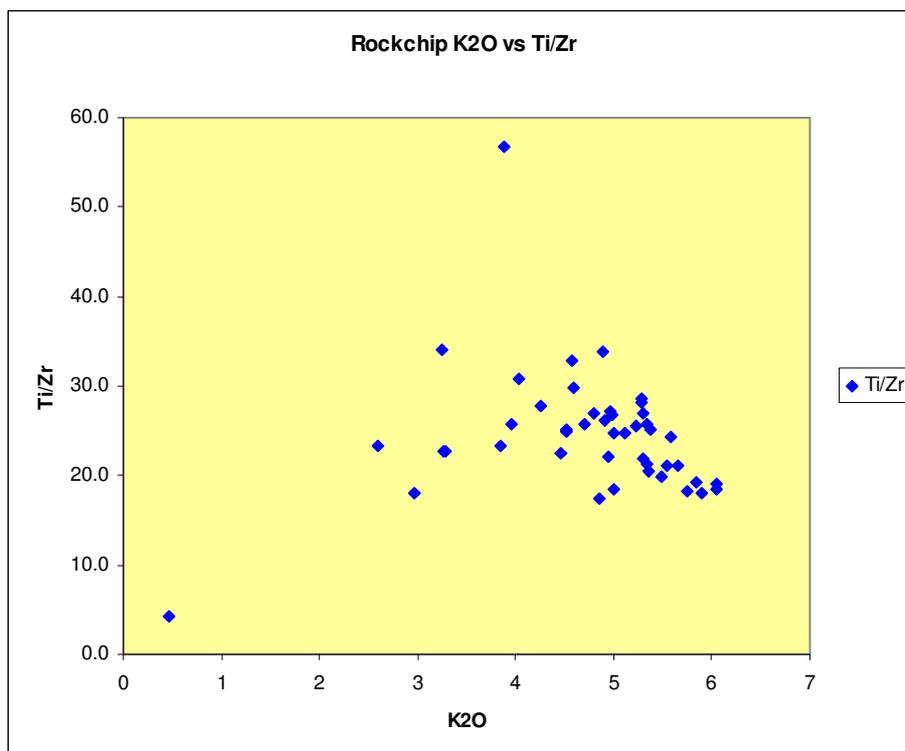
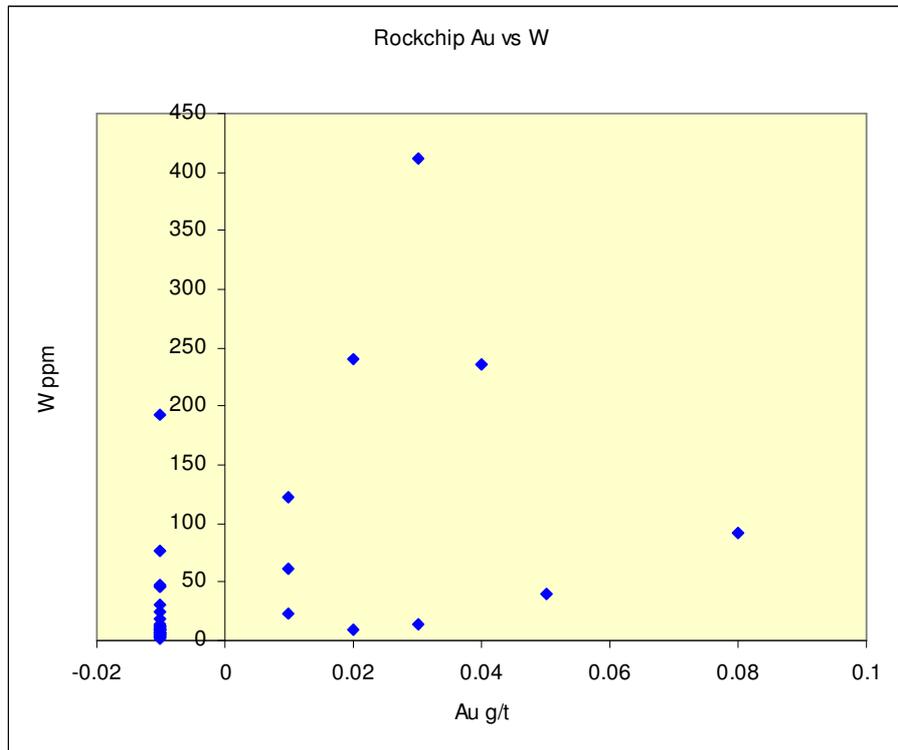
Geochemical Scatter Plots

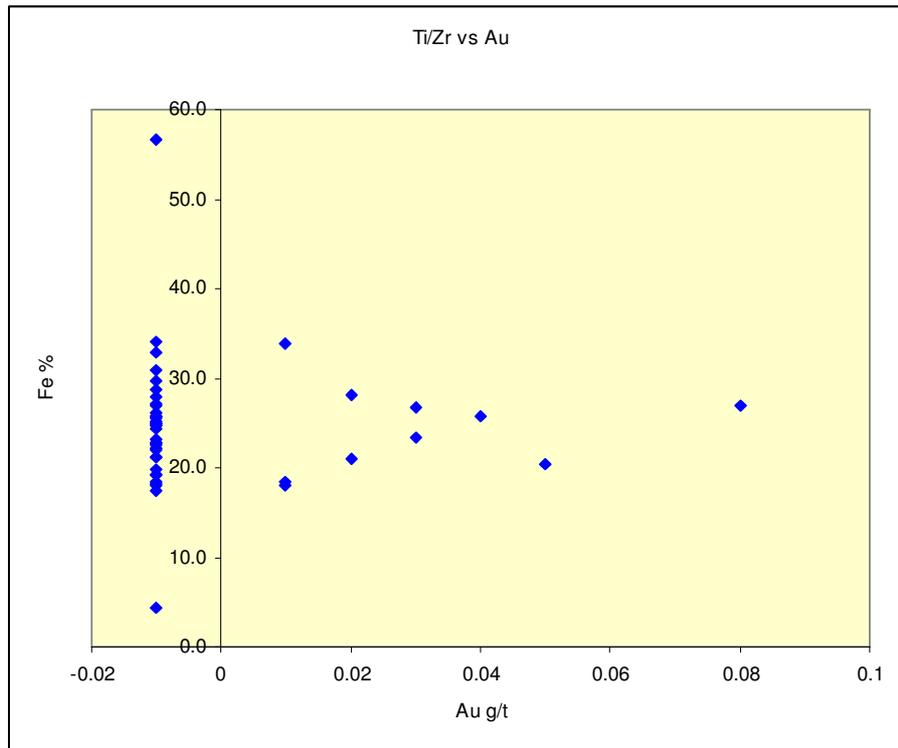












Appendix 5

Expenditure

Expenditure 2011-2012

Personnel	24,891
Grid cutting	32,678
Helicopter	13167
Geochem	1190
Admin	7192
TOTAL	\$79,118