Geological and Geochemical
ASSESSMENT REPORT ON THE

Whitehorse Mining District, Yukon

Claims: Dogmatic 1-20 (YD65773 – YD65792)
Dogmatic 21-40 (YD103855 – YD103874)
Dogmatic 41-212 (YE37001 – YE37172)

Location: 1. 40km SSW of Whitehorse
2. NTS Map Sheet 105 D 07
3. Latitude: 60° 24' 02"N
Longitude: 136°39' 45"W

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Work Performed from the 10th to 15th of August 2011

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1.0 Summary

From the 10th to 15th August 2011 a field program was completed on Golden Pacific's Dogmatic project located in the Yukon, Canada. The field program consisted of geochemical sampling, geological mapping and prospecting. A total of 35 rock chip samples and 314 soil samples were collected.

Results returned ten weakly anomalous soil samples across the property. Till cover may be hindering geochemical response in the area. Prospecting and rock sampling was completed. Channel sampling of a strongly altered outcrop returned 15 metres at 37.3ppb Au and 2.14g/t Ag. This outcrop was in close proximity and resembled a float sample that ran 2.14g/t AU.

Results from the 2011 returned weakly anomalous gold and silver around the project and warrants further work.

2.0 Introduction

This report has been prepared for Golden Pacific and outlines the work completed after a five day field programme on their Dogmatic Claim located 245 kilometres south of Whitehorse, Yukon, Canada. The field program was completed over five days with a field crew of four.

The aim of this fieldtrip was to follow up on anomalous geochemical results collected from a 2010 field programme.

3.0 Property Description and Location

The Dogmatic property is located approximately 45 km southeast of Whitehorse and 27 km north of Carcross on map sheet 105D07. The project is also 7 km east of the Yukon Highway 2 (Klondike Highway). The Dogmatic project is made up of 212 claim blocks.

Figure 1. Dogmatic location plan

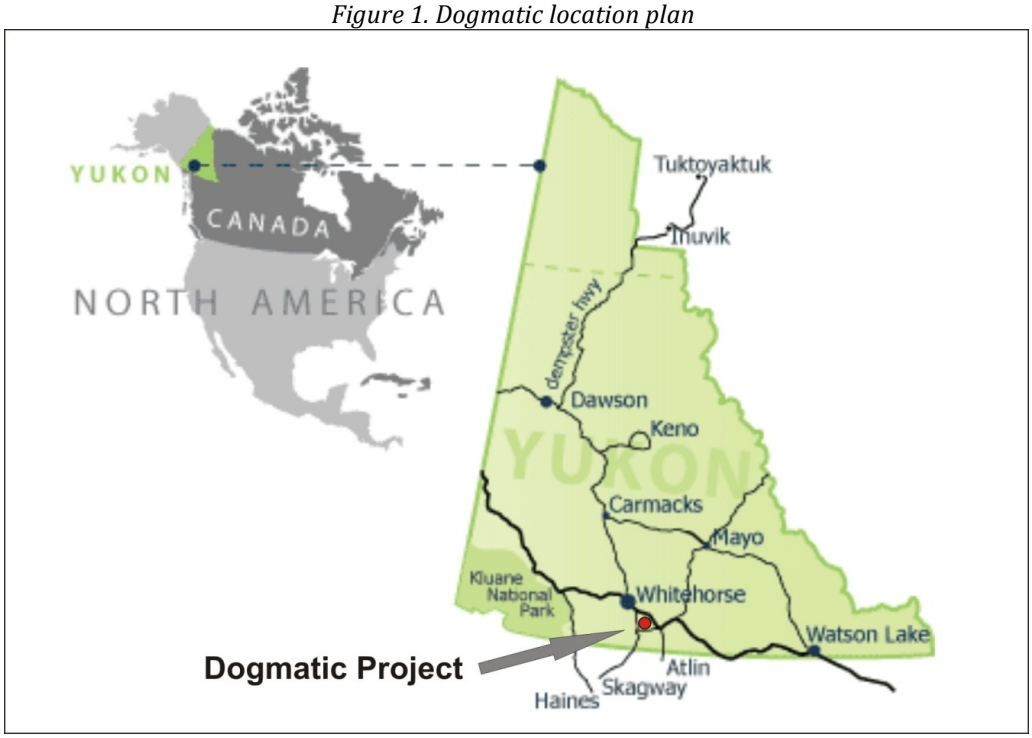


Table 1: List of claims

Claim Name	Grant Numbers	Registered Claim Holder	Operator	Expiry Date
Dogmatic 1-20	YD65773 – YD65792	Pika Exploration Inc	Golden Pacific Res.	2013/10/19
Dogmatic 21-40	YD103855 – YD103874	Pika Exploration Inc	Golden Pacific Res.	2013/10/19
Dogmatic 41-212	YE37001 – YE37172	Pika Exploration Inc	Golden Pacific Res.	2013/05/17

4.0 Access, Climate, Local Resources, Infrastructure and Physiography

4.1 Access

The target area is accessible by helicopter from Whitehorse. Access is also possible by an ATV trail located on the South Klondike. The ATV trail begins 2km away from the claim boundary.

Access to the site for the 2011 field program vas via a Robinson 44 from Horizon Helicopters who are based in Whitehorse. Two staff members were transported from Whitehorse, while the remaining two field staff were picked up along the Yukon Highway 2, 7 km west of the project.

Plate 1. Pickup by Horizon Helicopters in a Robinson 44, 7 km west of the project area



4.2 Climate

The Dogmatic project is located at latitude 60˚24'N and thus has a dry subarctic climate, Winters are cold with long dark nights. Summers are mild with long sunny days.

Whitehorse located 28 km to the north of the property experiences an annual temperature average with daily highs of 21 °C (69.8 °F) in July and average daily lows of −22 °C (−7.6 °F) in January. Whitehorse has little precipitation with an average annual snowfall of 145 cm (57.09 in) and 163 mm (6.4 in) of rainfall.

4.3 Local Resources, Infrastructure and Physiography

Whitehorse to the north provide services, supplies, equipment and personnel to meet most if not all of the demands of an exploration program. There is also assay laboratory in Whitehorse which has the capability of completing assays for gold and other elements.

The local geomorphology is predominantly characterized by moderate-steep terrain clad in Alpine tundra. There is wooded terrain in the northern section of the property in the lower relief. The elevation of the property varies from 1300-1700m+. Evidence of glaciation is evident throughout the property and work completed by the Yukon Geological Survey shows glacial retreat to the north east of the property.

Plate 2. View looking southwest across the project



5.0 Geological Setting

5.1 Regional Geology

The target area is underlain by rocks belonging to the Labarge group, a sedimentary unit consisting of a poorly sorted, medium bedded to massive sandstone and minor shale and limestone. Overlaying the sediments are volcanic rocks of the Carmacks group. The youngest rocks are intrusions of the mid-cretaceous Whitehorse suite, which are gray, medium to coarse grained, granitic, felsic rocks. The target area is cut by several faults, mostly E---W to SE---NW trending.

Figure 2. Regional geology

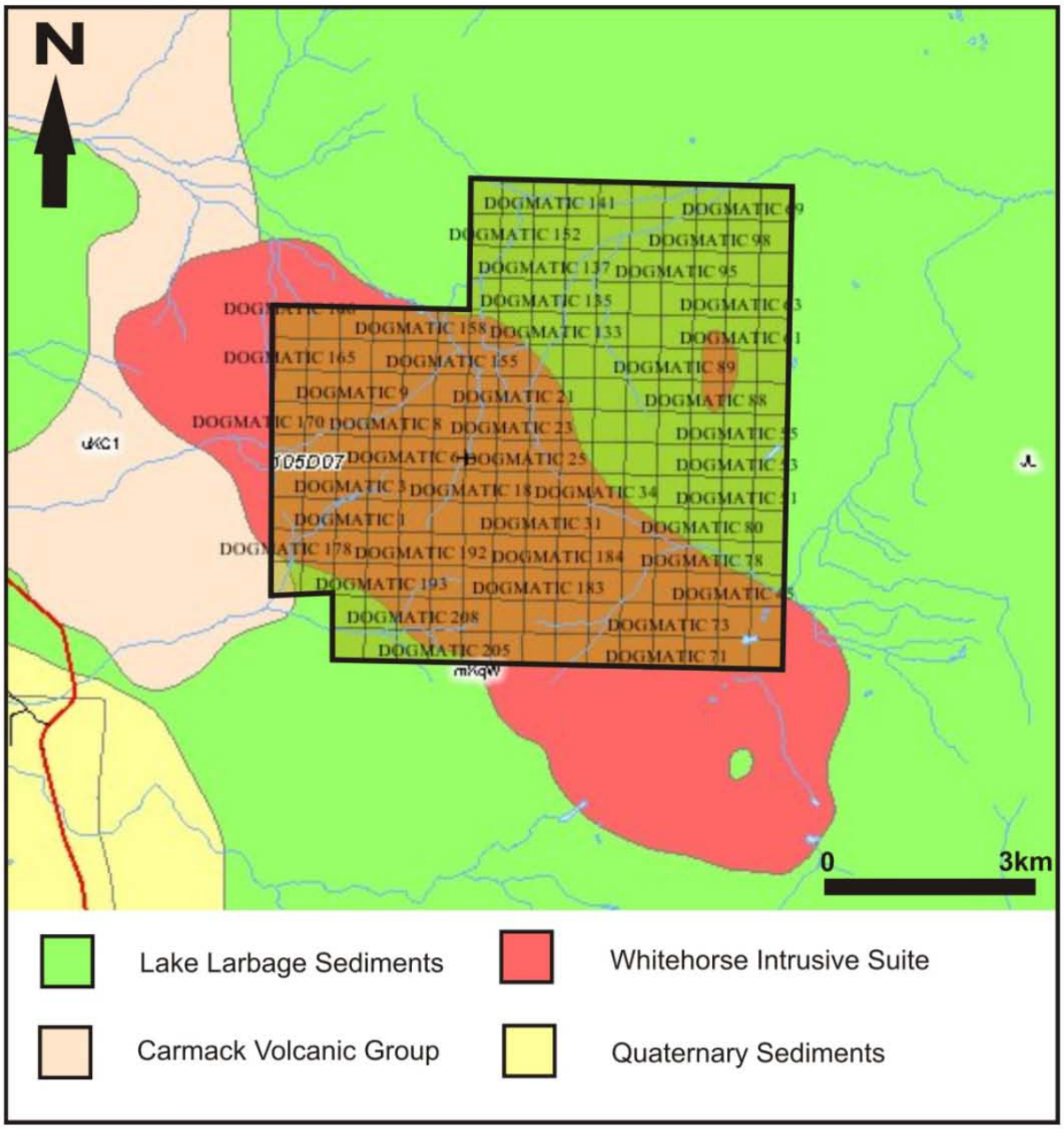
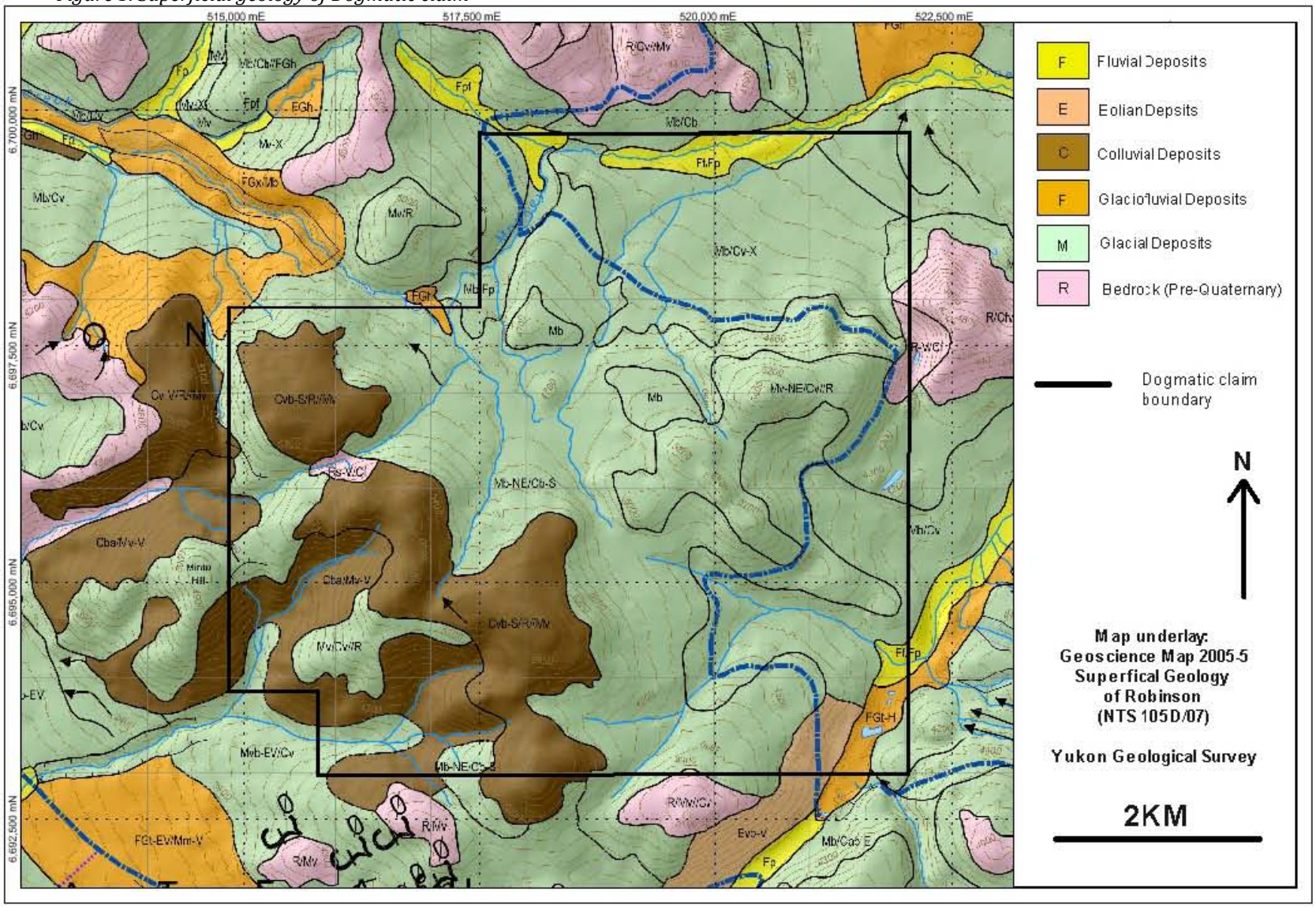


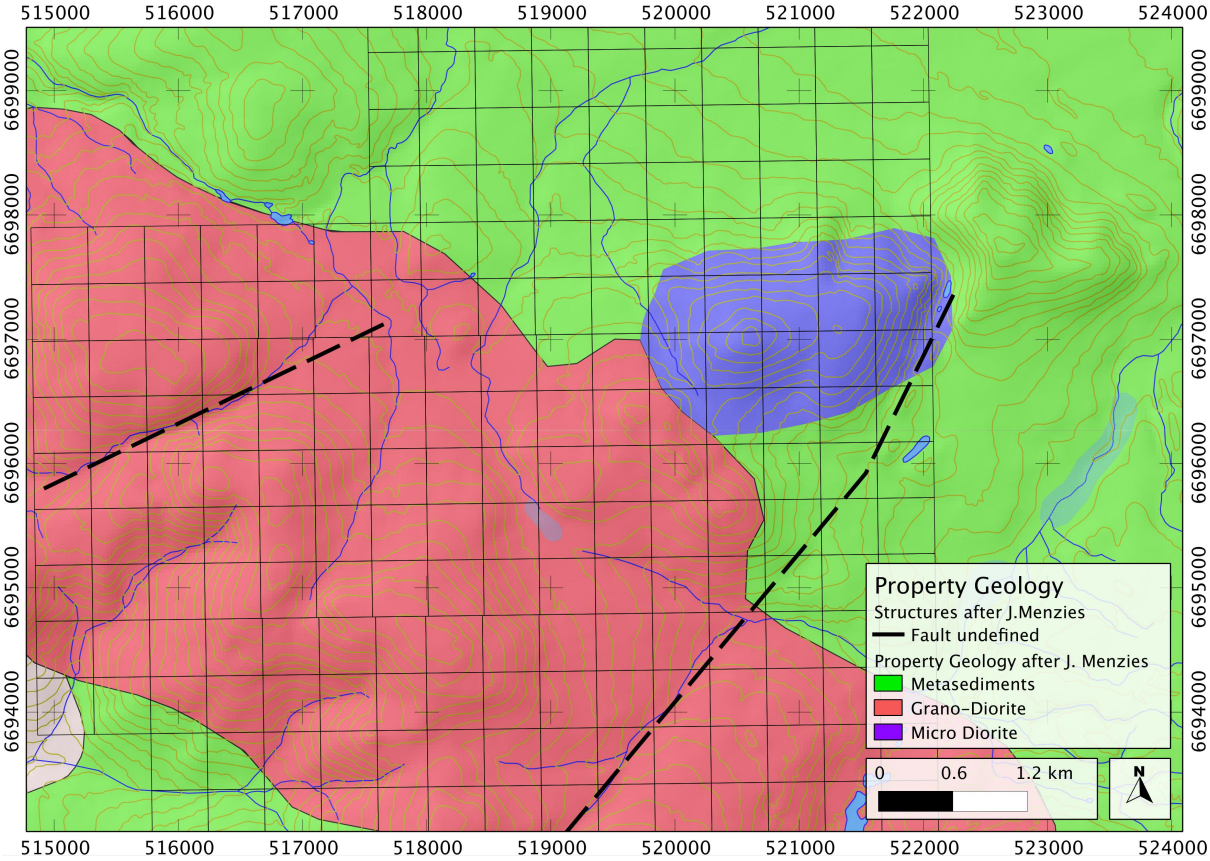
Figure 3. Superficial geology of Dogmatic claim



5.2 Project Geology

The claim is composed of the mid-cretaceous Whitehorse Suite intrusive package. The two main units on the project were a pale pink felsic grano-diorite and a micro diorite with varying amount of chlorite alteration. The micro diorite varied in grain size from fine grained equigranular to a coarser grained unit. Also small areas of biotite rich syenite? were identified in the project.

Figure 4. Property geology



Small dykes were located through the project area and were both felsic and mafic varying in size (<5m). Rock scree slopes around the project contained predominantly the intrusive suite but also contained minor amounts of limestone and also glaciated float material.

Plate 3. Pale pink brown felsic dyke - disseminated oxidised pyrite (515641E, 6696236N, 1507RL)



6.0 Mineralization

Previous sampling returned an anomalous float sample running 2.16g/t Au, 60g/t Ag and anomalous base metals . The anomalous boulder is located next to a 14m outcrop (The outcrop is striking north-south and near vertical dipping), which contains multigenerational quartz veining with varying intensity of clay alteration and silicification.

Seven two metre continuous channel samples were collected across the outcrop. On collection of the channel samples minor visible malachite and sulphide (disseminated pyrite, sphalerite?) were also visible in sections of the outcrop. These zones highly resembled the anomalous float material located close to the outcrop. The mineralised outcrop is located between an unaltered pale pink kspar rich grano-diorite and runs along a small topographic depression. This had very minor quartz veins and minor felsic dykes intruding it.

This may possibly be the result of a tensional shear running off a fault running northwest in the valley to the west.

Plate 4. Location of mineralised float (looking south west across project area)

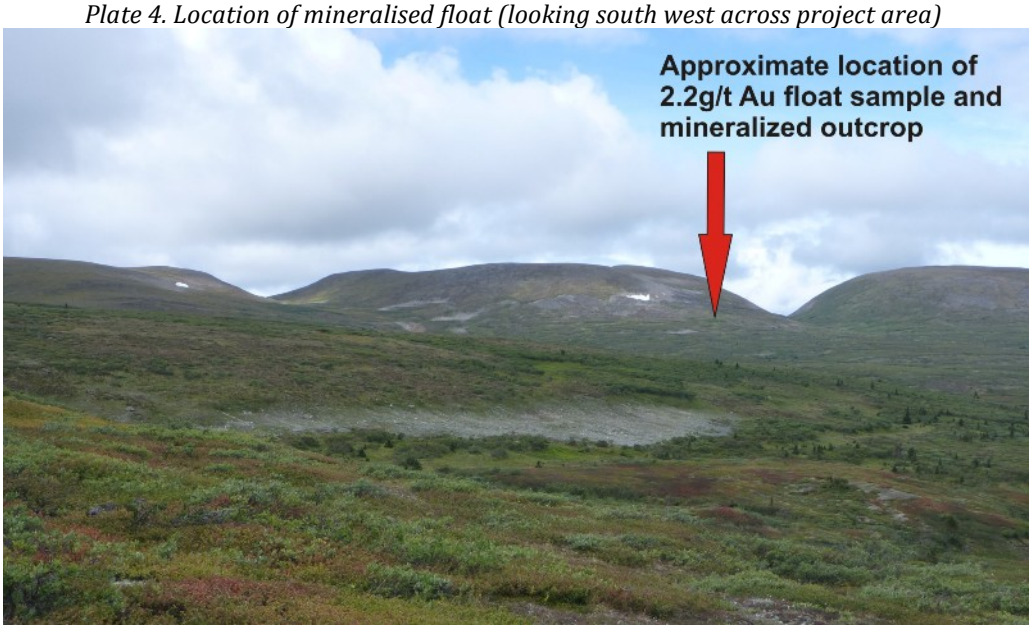


Plate 5. Mineralised outcrop which was channel sampled (Striking N-S), anomalous 2.2g/t Au float boulder located just out of frame (bottom left)

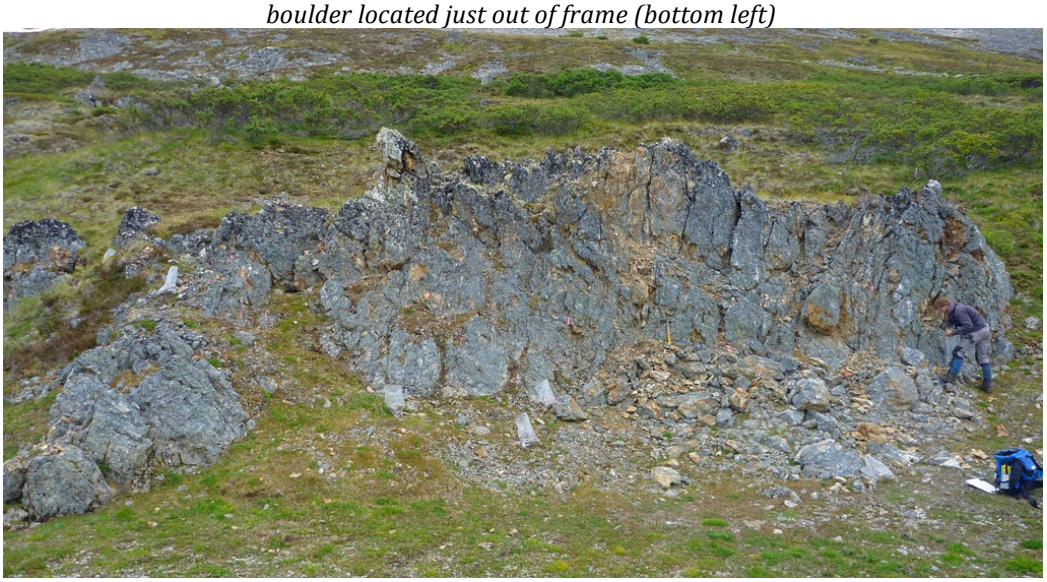


Plate 6. Multigenerational quartz veins are evident through the outcrop (from mm-cm scale)



Plate 7. Sample taken during the 2m continuous chip sampling of the 14m outcrop. Minor visible malachite on fracture face



Plate 8. Anomalous 2.2g/t Au float sample located just below outcrop. Visible malachite on the fracture face



The other known zone of mineralisation on the property returned a value of 0.1g/t Au. This is located approximately 4 kilometres to the east of the 2.16g/t Au float sample. This is a mafic dyke contacting with a micro-diorite?. This contact has been strongly eroded and there is minimal surface exposure, we were unable to find any similar material in the vicinity. Follow up sampling (7 grab samples) was completed through this area and was predominantly micro-diorite? with varying intensity of chlorite alteration. The rock groundmass has varying amounts of disseminated fresh/oxidised sulphides. There was very minor quartz veining in some of the samples and also one small zone (<1m) of brecciated outcrop that has been strongly silicified. The 0.1g/t Au grab sample was taken from a very small (approx 0.1m x 1.5m) mafic dyke remaining which has predominantly been eroded away.

Plate 9. Exposure where the 0.1g/t Au outcrop sample was collected (right of picture beside blue pack)



Plate 10. Specimen of sample that ran 0.1 g/t Au



7.0 Exploration

7.1 Historic exploration

The first exploration work to be conducted on the project area was by the Yukon Geological Survey, where wide spaced stream sediment sampling was completed. Anomalous results were obtained through the project area

Crispin Studer from Pika Exploration staked the project area and completed his first pass of geochemical sampling and prospecting in 2010. Rock chip, stream sediment and soil geochemical samples were collected across the project which returned anomalous results. These included a 2.2g/t Au result in a float boulder and 0.1g/t Au in outcrop. A full report on the work completed in 2010 is outlined in: *Studer, C, 2011, Yukon Mining Incentive Program Report on the Dogmatic Project. 61p.*

Plate 11. Crispin out prospecting on the Dogmatic Project



7.1 Exploration Introduction - 2011 Program

A five day field programme was completed on the Dogmatic project from the 10th August to the 15th August 2011. One weather day on the 13th of August prevented access to the project. The aim of this field trip was to follow up and expand on work completed by Crispin Studer in 2010. A total of 351 samples were collected with the soil samples being sent to Acme Labs and the rock chip sample to SGS Laboratories.

Table 2: Samples submitted to laboratory for analysis

Sample Type	Number Collected
Two metre continuous channel sample	7
Rock grab sample	28
Rock standard (QAQC)	1
Rock blank (QAQC)	2
ROCK SAMPLE TOTAL	**38**
Soil grid sample	289
Soil ridge and spur sample	9
Soil duplicate (QAQC)	11
Soil blank (QAQC)	4
SOIL TOTAL	**313**
SAMPLE TOTAL	**351**

Figure 5. Location of geochemical sampling completed during 2011 field programme

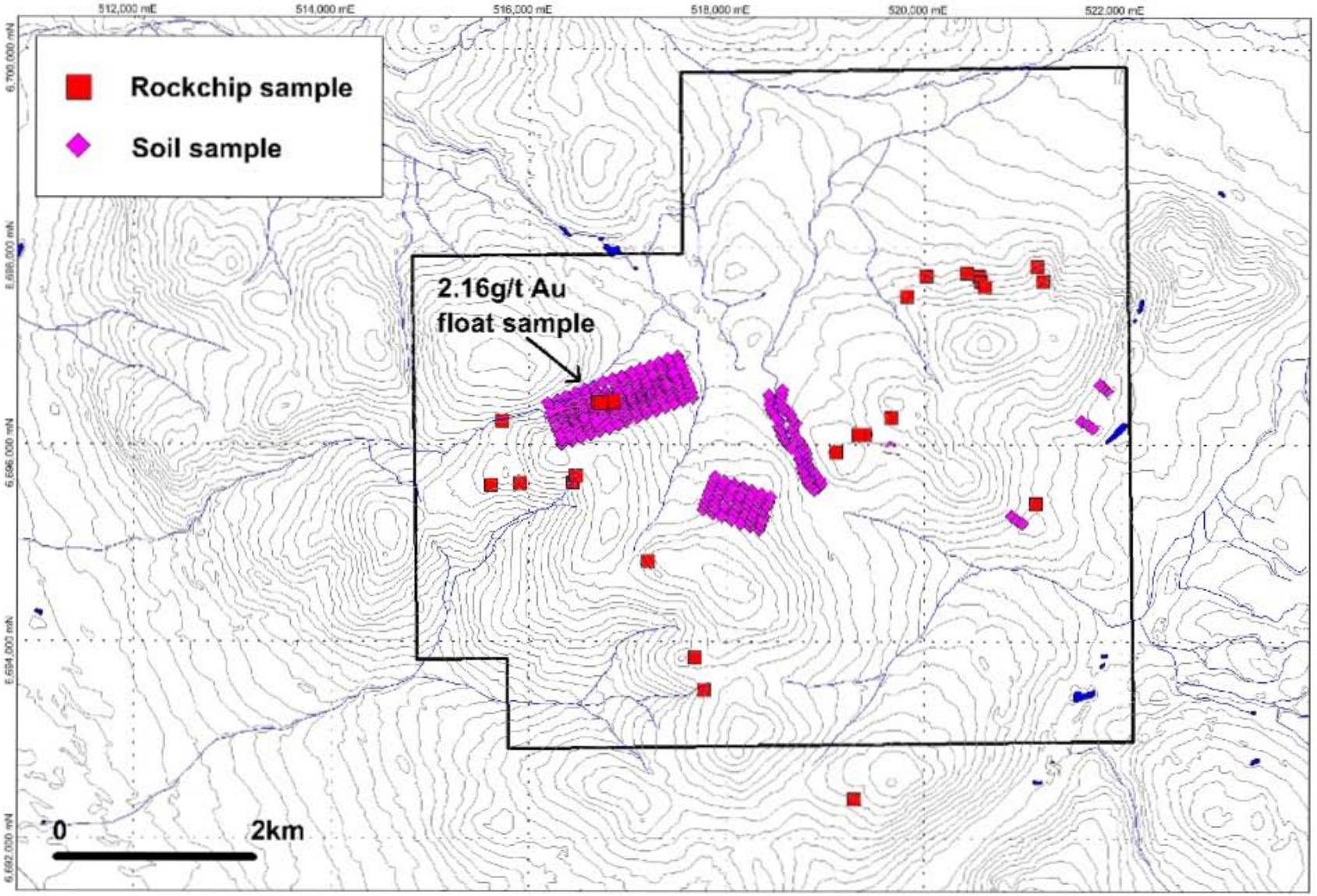
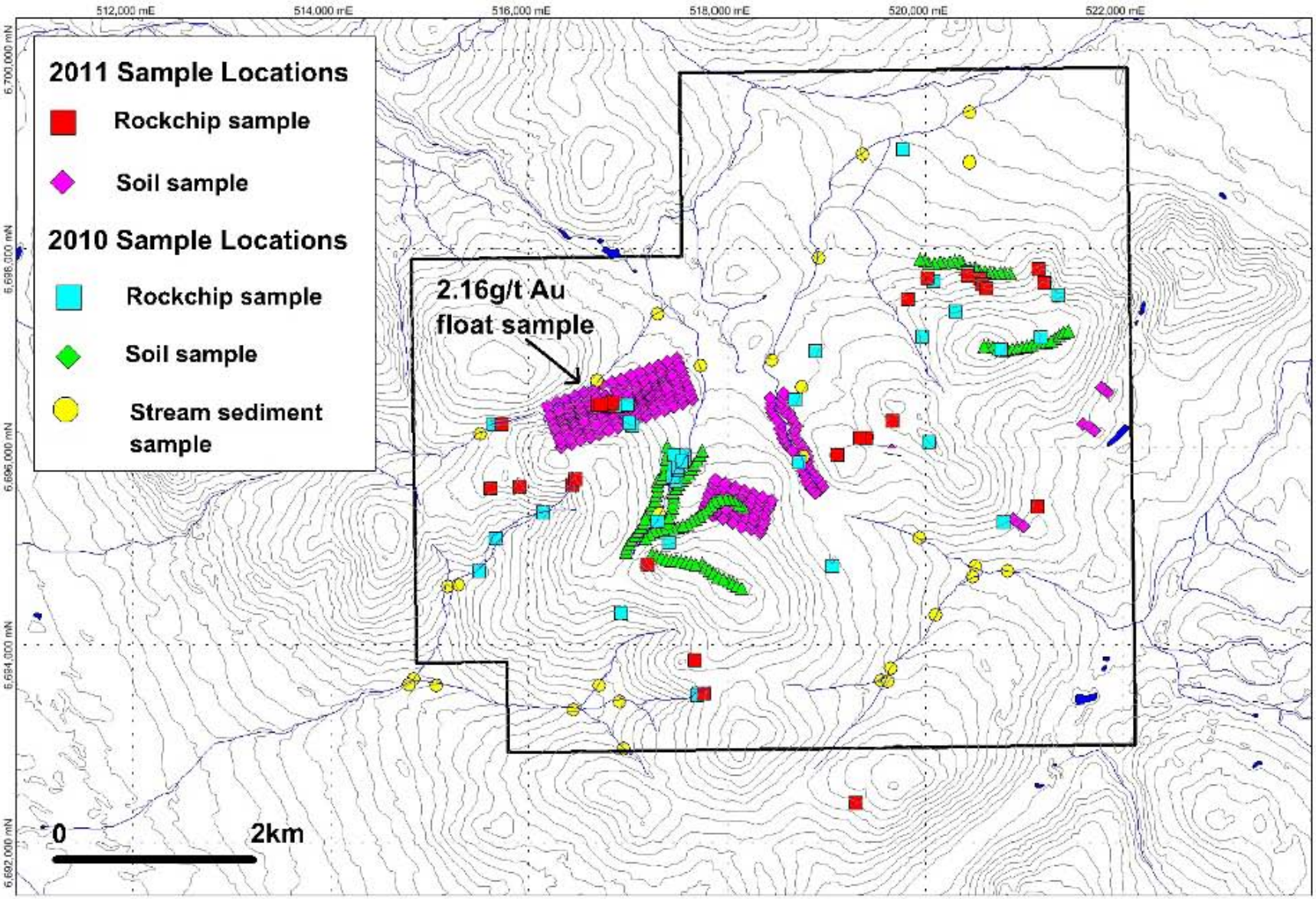


Figure 6. Total geochemical sampling completed 2010 and 2011 field season.



7.2 Soil sampling.

313 soil samples (including 11 duplicates and 4 blanks) were completed over the five field days. The soil sampling was broken down into three grids. The largest grid was completed over the anomalous 2.2g/t Au sample in the north western area of the project. This grid was completed with a total of 192 samples. The remaining two grids were located approximately 1 km to the west and south west and were following up on anomalous ridge and spur soil samples. The size of the western grid was 48 samples and the grid to the south was completed with 58 samples.

Nine samples were completed across three saddles that line up on the eastern side of the project. No previous sampling had been completed in this area and was testing a possible north east trending structure lining up with the saddles.

Soil samples were collected using a 1.2m long soil auger. About 500g of soil was collected and placed in a kraft paper bag. One piece of flagging tape and on aluminium tag marked with the sample number was used to mark the sample location.All soil samples were shipped to Carcross, air-dried and send to Acme laboratories in Whitehorse. The laboratory screened the samples to -180micron and assayed for 37 elements using an ICP-MS method.

7.3 Rock chip sampling.

35 rock chip samples were collected over the five days program. 7 of the rock samples were 2m continuous chip samples across the 15m outcrop located 2 metres from the anomalous 2.2g/t Au float sample. These samples were collected east-west to the north-south striking outcrop.

The remaining samples were rock grab samples collected while walking around the project area. These grab samples were taken from float, subcrop and outcrop exposures. Full details on the rock samples collected can be found in Appendix 2.

Two blanks and one standard were added to the batch for QAQC purposes. Representative samples were taken for all the rocks samples collected.

7.4 Geological mapping and prospecting

Over the five day field program, GPS style mapping and prospecting was conducted through the property. This was focused at following up on existing geochemical anomalies as well as prospecting for new zones of alteration/mineralization.



Small zones of intense clay alteration were found to the south of the anomalous zones. These altered zones were narrow limonitic oxidation and had varying intensity of mm-cm scale quartz veining. These altered zones also had varying amounts of oxidised sulphides through the groundmass and along the vein margins. These zones were predominantly located between unaltered felsic grano-diorites?

Plate 12. Small clay altered zone with limonitic fracture coating and minor quartz veining.



Plate 13. Scree slope on the eastern section of the project.



Plate 14. Small scree slopes with weak clay altered limontic fracture coated unit, minor quartz veining.



Plate 15. Creek on the project with numerous float material. Ranging from intrusive float, to limestone and glaciated float.

8.0 Results

8.1Rock sampling

Results from the 37 rock samples collected returned minimal anomalous gold values. Seven continuous channel samples (total 15m) were collected across the outcrop located close to last year's 2.14g/t Au float sample returned 37ppb Au and 2.14g/t Ag were returned.

The float sample of 2.14g/t Au was re sampled and returned a value of 0.3g/t Au.

Table 3. Results of channel sampling of 15m outcrop

Sample ID	Sample Type	Au (ppb)	Ag (ppm)
1274801	2m channel sample	27	6.05
1274802	2m channel sample	8	1.82
1274803	2m channel sample	366	8.62
1274804	2m channel sample	47	1.42
1274805	2m channel sample	24	1.72
1274806	2m channel sample	70	9.39
1274807	3m channel sample	18	2.07

Table 4. Composite of 15m channel sample

Sample ID	Sample Type	Au (ppb)	Ag (ppm)
1274801-1274807	15m continuous channel sample	37.3	2.14

Table 5. Anomalous Au and Ag rock samples

Sample ID	Sample Type	Au (ppb)	Ag (ppm)	Comments
1274808	Float	380	17.4	Resample of 2.14g/t Au float sample
1274809	Float	32	16.5	Large qz boulder float to the west of mineralized outcrop.
1274814	Outcrop	5	2.8	Clay altered unit outcropping at top of the steep rock shoot. Unit has been clay altered and strong oxidation of fracture face (limonitic). Unit is moderately fractured with minor mm scale qz veining.
1274837	Float	38	1.03	Minor amounts of float material. Pale blue, fine grained unit that is highly silicified. Strong qz veining and fracturing, minor (trace) amounts of fresh sulphide (pyrite).

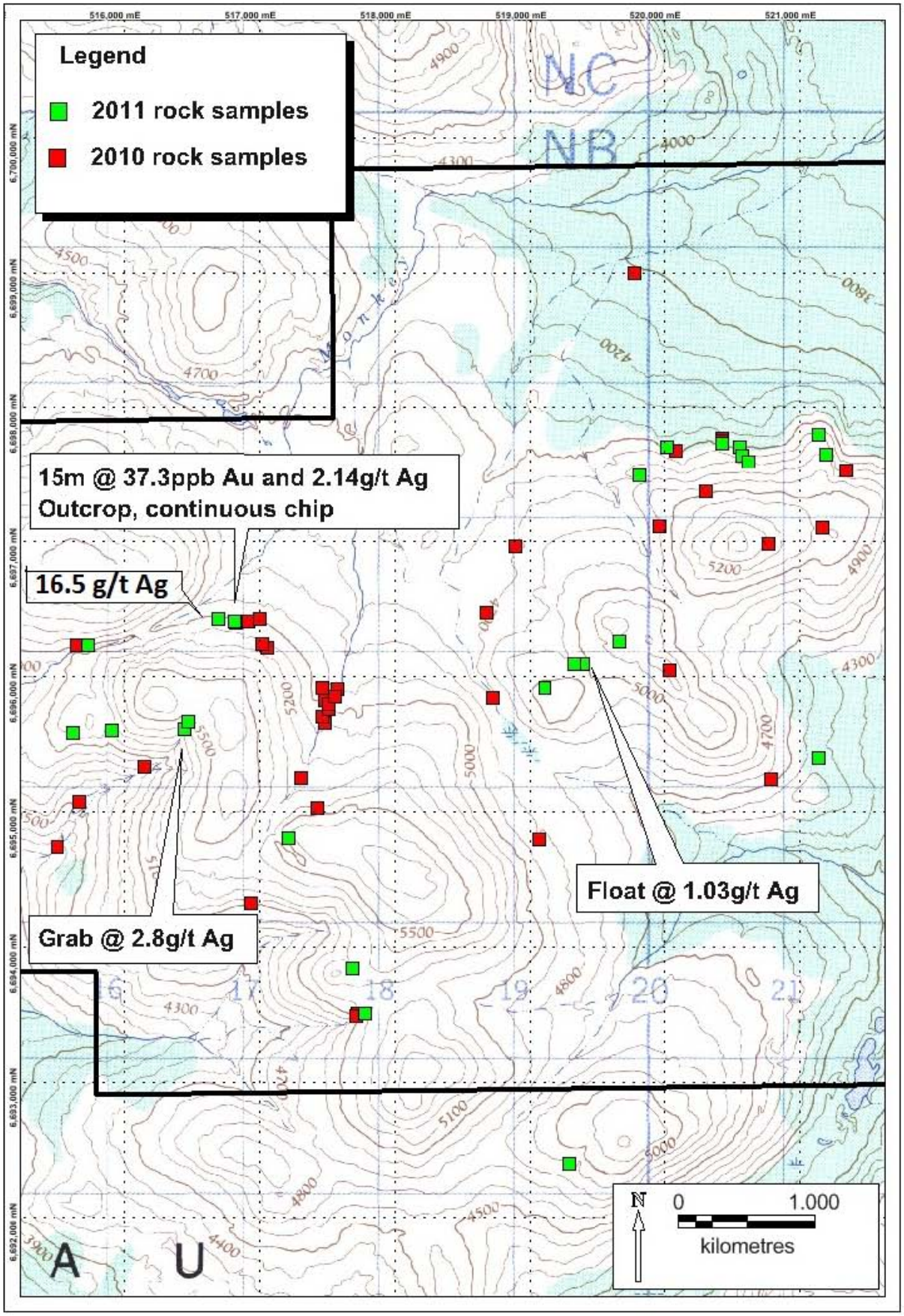


Figure 7. 2011 rock chip sampling

8.2 Soil sampling

From the 298 soil samples collected 11 samples have returned weakly anomalous values of 10ppb or higher with the highest value of 80ppb. One area of interest was the southernmost grid which returned three weakly anomalous results in close proximity to each other and warrants follow up.

Table 6. Anomalous 2011 soil samples

Sample Number	Slope	Depth (cm)	Parent Material	Rock %	Horizon	Au	Ag	As
1274569	Gentle	110	Colluvium	10-30%	B	80.2	70	7.1
1274610	Moderate	40	Colluvium	10-30%	B	22.1	88	6.4
1274708	Flat	100	Bedrock	<10%%	C	16.1	158	11
1274889	Moderate	40	Colluvium/Till	10-30%	B	13.8	88	5.2
1274724	Gentle	40	Till	10-30%	B	13.4	49	8.9
1274549	Moderate	60	Colluvium	10-30%	B	12.2	71	5.5
1274945	Flat	40	Colluvium	10-30%	B	10.3	41	6.1
1274639	Moderate	70	Colluvium/Till	<10%	B	10.2	58	6.6
1274979	Flat	80	Colluvium		B	10.1	109	6.6
1274980	Gentle	50	Till	10-30%	B	10	31	6.2
1274609	Gentle	50	Colluvium	10-30%	B	9.8	72	6.9

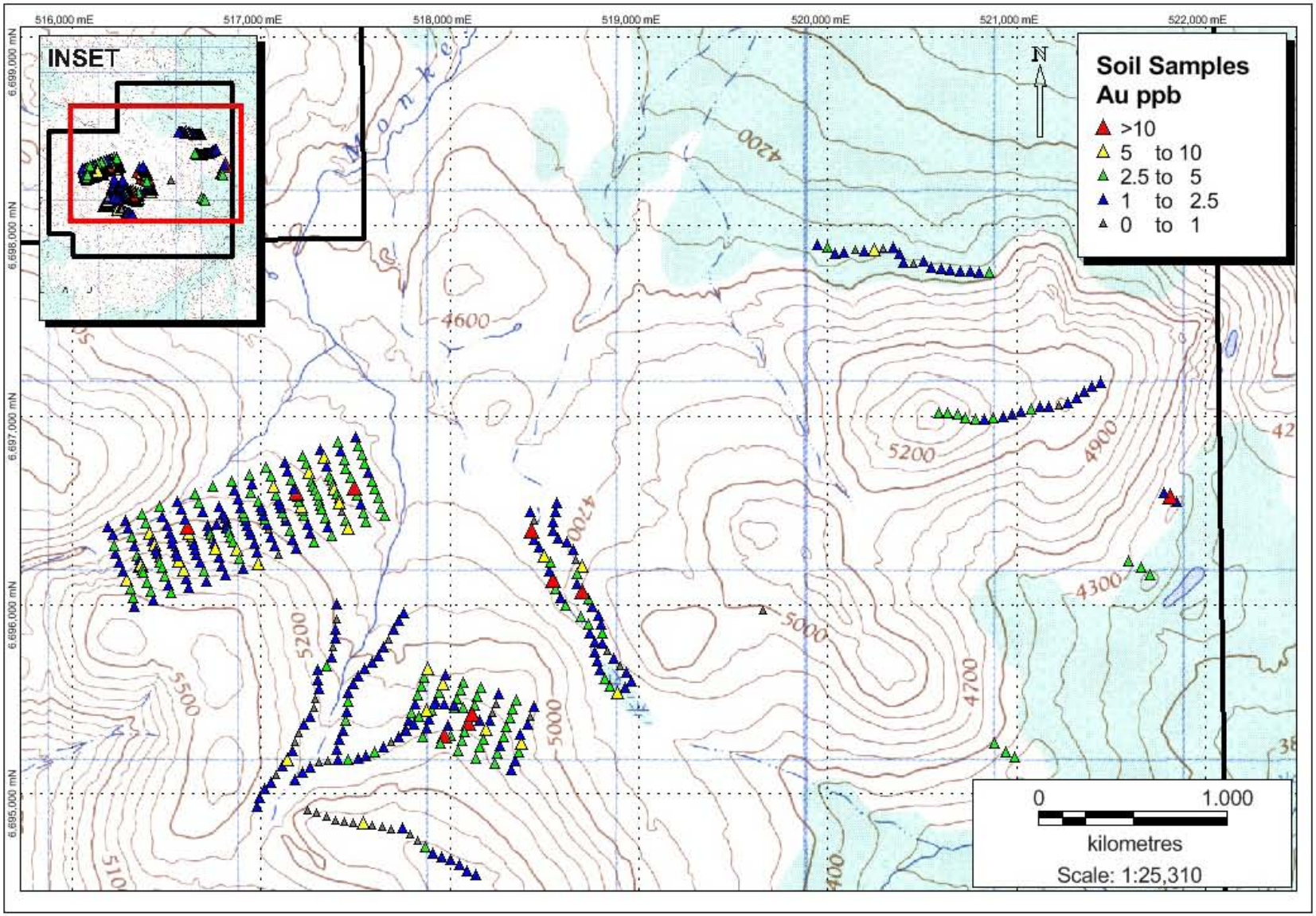


Figure 8. 2010 and 2011 thematic soil sampling

9.0 Interpretation & Conclusions

Results from the 2011 field program have returned weakly anomalous gold results across the property. No significant results were received after the completion of the 2011 field program.

The area of most interest was the 15m outcrop exposure in the centre of the property. This outcrop is located in close proximity (<3m) to a float sample that ran 2.14g/t Au. The outcrop was channel sampled and ran 15m at 37.3ppb Au and 2.14g/t Ag. The outcrop has been strongly silicified with multigenerational quartz veining and minor sulphides. The float sample that ran 2.14 g/t Au was re sampled and returned a value of 0.3g/t Au. From the sampling to date there is anomalous silver around the property with two float samples returning values greater than 16g/t Ag.

A number of small alteration zones were located around the property. At surface they are narrow and from assays received the majority are un mineralised.

The soil sampling to date has returned weakly anomalous results and could be a direct result of the till cover across the project. The till may be masking or reducing the geochemical response. My knowledge of sampling in this environment is limited and recommend that research is completed on the effectiveness of sampling in this environment and if there are other techniques that could be more effective.

The anomalous soil results should be followed up, each site should be visited and any outcrop, float material sampled. Also if possible test holes should be dug at each anomalous sample site and rock chips uncovered should be logged and sampled.

Results received warrant a follow up field program in 2012. However I believe that before a magnetic airborne survey is flown a 8 to 10 day field program should be completed. The primary aim of this field program would be an intensive rock sampling program to get a better understanding of extent of mineralization. To date the majority of results have been weakly anomalous to un-mineralized and very localised. Field program would also identify if north-south flight lines are the best orientation for the project

10.0 Statement of Costs

Table 7. Statement of costs

Activity	*Type of unit*	*Number of units*	*Total cost*
Transport	Helicopter		7,692.50
	Truck	6 days	250.00
	Shipping samples		300.00
Assaying	Assay rock	35 samples	2,267.48
	*Ass*ay soil	313	10,536.21
Personnel	Crew boss	6	2,400.00
Personnel	Field Assistance (2)	12	3,960.00
Personnel	Geologist	6	3,000.00
Room and board	For all crew / days	5 nights, 6 days	2,000.00
Supplies / rental	Sat phone, Radio,…		1,800.00
Total			**34,206.19**

11.0 Recommendations

- Research into how effectively soil sampling is being used in similar terrains in the surrounding area.

- Research into other geochemical/geophysical methods that could be used effectively on the project.

- Anomalous soil samples need to be ground checked. This involves locating soil sample sites and where possible digging a hole and taking a sample of the rock chips for analysis.

- Prospecting and rock sampling to be completed. Follow up anomalous rock samples and complete reconnaissance around project

- Airborne magnetic survey (north-south flight lines) - Follow up field program should be completed before magnetics are flown.

12.0 Budget

Table 8. Budget 2012 field program

Activity	*Type of unit*	*Number of units*	*Unit cost*	*Total cost*
Field program - 8days				
Transport	Helicopter	8	1500	12000
	Truck	8	75	600
	Shipping samples	1	300	300
Assaying	Assay rock	100	60	6000
	*Ass*ay soil	200	32.5	6500
Personnel	Crew boss	8	400	3200
	Field Assistance (2)	16	330	5280
	Geologist	8	500	4000
Miscellaneous	Other related costs			5000
			Total	**40,000**
Airborne Magnetic Survey				???

12.0 Qualifications

I, Crispin Studer, have worked in the exploration industry since 2007 as an employee for several exploration companies in the Yukon. I have done several different jobs from soil and stream sediment sampling programs to prospecting. I'm the owner and manager of Pika Exploration Inc.



Crispin Studer

13.0 References

YUKON GEOLOGICAL SURVEY, 1985, GSC OPEN FILE 1218.

BOND, J.D., MORISON, S. AND MCKENNA, K. SURFICIAL GEOLOGY OF ROBINSON (1:50 000 SCALE). YUKON GEOLOGICAL SURVEY, GEOSCIENCES MAP 2055-5.

GORDEY, S.P. (COMP), 2008, BEDROCK GEOLOGY, WHITEHORSE (105D), GEOLOGICAL SURVEY OF CANADA, OPEN FILE 5640, SCALE 1:250 000.

DUK-RODKIN, A. 2008, GLACIAL LIMITS OF WHITEHORSE, YUKON TERRITORY (105D), GEOLOGICAL SURVEY OF CANADA, OPEN FILE 3810, SCALE 1:250 000.

Studer, C, 2011, Yukon Mining Incentive Program Report on the Dogmatic Project.

Appendix 1 - Geochemical rock chip sample summary

Sample_ID	Date	Easting	Northing	RL	Zone	Sample Method	Sample Type	Comments
1274801	10/08/2011	516824	6696406	1548	8	2m continous channel	Outcrop	Continous chanel samples started at most eastern edge of outcrop
1274802	10/08/2011	516822	6696406	1548	8	2m continous channel	Outcrop	14m outcrop explosure
1274803	10/08/2011	516820	6696406	1548	8	2m continous channel	Outcrop	14m outcrop explosure
1274804	10/08/2011	516818	6696407	1548	8	2m continous channel	Outcrop	14m outcrop explosure
1274805	10/08/2011	516816	669407	1548	8	2m continous channel	Outcrop	14m outcrop explosure
1274806	10/08/2011	516814	6696407	1548	8	2m continous channel	Outcrop	14m outcrop explosure
1274807	10/08/2011	516812	6696407	1548	8	2m continous channel	Outcrop	14m outcrop explosure
1274808	10/08/2011	516823	6696410	1546	8	Grab	Float	Resample of anomalous float sample (I071564) Pale orange brown/cream clay altered unit. Stockworking qz veins from mm to cm scale (multiple generations) Visible malachite through fracture faces + limonite fracture coating . Larger qz veins has isolated vuggy texture.
1274809	10/08/2011	516694	6696426	1541	8	Grab	Float	Large qz boulder float to the west of mineralized outcrop. Qz is white to pale grey.
1274810	10/08/2011	515731	6696233	1521	8	Grab	Outcrop	Very pale pink/brown felsic dyke. Disseminated oxidised pyrite + green clay mineral? Across fracture faces. Visibile magnetite through groundmass
1274811	10/08/2011	515615	6695586	1545	8	Grab	Float	Float sample taken just off the ridgeline. Clay altered unit with 2mm silica veins. No visible sulphides visible in unit. Strong limonite fracture coating
1274812	10/08/2011	515906	6695603	1543	8	Grab	Float	Very minor float of white weakly carbonceous unit. Appears to have a silica overprint. Strong sulfur smell when broken wth geo tool. Dark grey mineral on frature faces (fine grained sulphide). Minor amounts of this unit have been sighted around the claim.

1274813	10/08/2011	516439	6695614		8	Grab	Float	Sample was collected up a steep rock shoot. Predomianlty the float material in shoot is unaltered felsic intrusive. Sample taken has been silicified with mm to cm scale qz veining. Minor brecciaton (weak) in sections of sample. Also carbonate veining (calcite - minor fizz), limonitic oxidation of fracture faces.
1274814	10/08/2011	516470	6695672	1641	8	Grab	Outcrop	Clay altered unit outcropping at top of the steep rock shoot. Unit has been clay altered and strong oxidation of fracture face (limonitic). Unit is moderatly fractured with minor mm scale qz veining. Sample is 5m away from sample 1274815 at same elevation
1274815	10/08/2011	516473	6695672	1641	8	Grab	Outcrop	Similar to sample 1274814 but has increased silicification and less clay alteration. Unit is pale blue grey with strong limonite fracture coating. Mm scale qz veining, veins are pale brown grey.
1274816	11/08/2011	517208	6694811	1665	8	Grab	Float	Isolated float in centre of small canyon. Unit is pale pinkish cream. Qz stockworking (pale white/grey), high vein density (>30 per metre), mm to cm scale veins. Only one piece of float material found beteewn unaltered granitic unit.
1274817	11/08/2011	517364	694710		8	Grab	Subcrop/outcrop	At top of canyon on true right is small (<10m) altered zone. Dissemniated hematite fracture coating. Fine qz veins through groundmass (<2mm)
1274818	11/08/2011	517680	6693842	1590	8	Grab	Subcrop/outcrop	Moderately silicified host rock with cm scale qz veins. Qz veins are grey -dk grey (fine grained sulphides?) Minor limonitic fracture coating. Also <5cm pale pink dyke cutting silicified unit.
1274819	11/08/2011	519107	6695917	1545	8	Grab	Float	At top of ridge is predomiantly unaltered blue grey granite. Sample is cherty? Siliceous unit, minor limonite fracture coating. Cross cutting (stockworking) qz veins. No visible sulphides
1274820	12/08/2011	520428	6697736	1368	8	Grab	Outcrop	Chloritised granodiorite? With very minor disseminated sulphide. Minor cross cutting qz veins (mm scale) Minor oxidised pyrite cubes (<3mm), mod magnetic reposnse throughout groundmass
1274821	12/08/2011	520553	6697704	1371	8	Grab	Float	Sample taken in large rock scree, close to anomalous 0.1g/t Au sample. Sample is pale granite with disseminated sulphides (pyrte/chalcopyrite). No veining.Magnetic response (visible magnatite grains).
1274822	12/08/2011	520573	6697646	1399	8	Grab	Float	Float material sampled on scree slope. Only one angular boulder found (approx 60cm diameter). Sample is highly silicified, strong limonitic fracture coating, with mm scale cross cutting veins.
1274823	12/08/2011	520620	6697598	1420	8	Grab	Outcrop	Chlorite rich unite (diorite?) which is simialr to sample 1274820. Disseminated sulphides and calcite along francture faces. Magnetic response throughout groundmass
1274824	12/08/2011	521143	6697799	1413	8	Grab	Outcrop	Fine grained dark grey groundmass with qz phenocrysts (approx 4mm max). Non magnetic. Disseminated sulphides and traces of pyrite on fracture faces. Minor limonitic staining. Strike 130/60W
1274825	12/08/2011					STANDARD		

1274826	12/08/2011	521199	6697655	1455	8	Grab	Outcrop	Small depression cutting the ridgeline. Sample is taken from a highly fractured outcrop (strike 005/085E).Dark
1274827	12/08/2011				8	Grab	Outcrop	Sample taken from outcrop on scree face. Highly fractured with strong oxidation of all fracture faces. Rock is medium blue grey, very fine grained. Visible sulphides through the groundmass (minor)
1274828	14/08/2011	517772	6693507	1520	8	Grab	Outcrop	Outcrop exposure, highly weathered and clay altered. Strong limonitic fracture coating
1274829	14/08/2011	519295	6692402	1492	8	Grab	Float	Sample is taken over approximately a 5m wide alteration zone. Sample is between unaltered kspar rich granite. Smaple is clay altered (pale yellow/cream/brown). Contains qz veining (stockwork, mm scale. Minor oxidised pyrite + limonitic fracture coating
1274830	14/08/2011					BLANK		
1274831	14/08/2011	521136	6695399	1344	8	Grab	Float	Sample taken from random float through saddle. Unit is fine grained, blue grey. Has multiple fracture faces. Platey silver mineral overlying oxidation on fracture faces. Patchy oxidation.
1274832	15/08/2011	520019	6697705	1368	8	Grab	Float	Small brecciated zone in outcrop. Utcrop striking N/S and dipping vertical. Brecciation is chloritic rich fragments in siliceous matrix. Brecciation is very isloated to small <1m pods. Outcrop surrounding sample is a fine grained chloritic rich intrusive.
1274833	15/08/2011	519817	6697494	1430	8	Grab	Outcrop/float	Sample is taken from float and outcrop. Fine grained blue/grey microdiorite. Chloritic rich groundmass. Whispy qz veins with disseminated sulphides (pyrite) throughout groundmass
1274834	15/08/2011	519665	6696266	1569	8	Grab	Outcrop/float	Medium cream brwn unit with hairline veining/fractures. Patchy limonitic oxidation. No visible sulphides
1274835	15/08/2011					BLANK		
1274836	15/08/2011	519400	6696096	1520	8	Grab	Outcrop	Highly oxidised zone of float/outcrop/subcrop unit in fine grained pale blue grey unit. Has very strong limontic fracture coating. Hairline veining through unti but no sulphides
1274837	15/08/2011	519336	6696094	1518	8	Grab	Float	Sample taken 2m west of sample 1274836. Minor amounts of float material. Pale blue, fine grained unit that is highly silicified. Strong qz veining and fracturing. Also minor (trace) amounts of fresh sulphide (pyrite). Less limonitic oxidation compared to sample 1274836
1274838	15/08/2011				8	Grab	Float	Crispin collected float sample while completing soil sampling. Silcified blue grey fine grey uni with moderate clay alteration.

Appendix 2 - Geochemical soil sample summary

Sample Number	Easting	Northing	Slope	Slope Aspect	Drainage	Depth (cm)	Colour	Parent Material	Rock %	Sample Composition	Horizon	Clast Shape	Sampler	Date	Comment
1274851	516986	6696224	Moderate	N	Moist	40	Brown	Colluvium	30-50%	Silty	B	Sub-Rounded	JP		
1274852	516979	6696281	Moderate	N	Dry	30	Brown	Bedrock	<10%	Silty	B	-	JP		Sample Between Boulders
1274853	516965	6696325	Gentle	N	Dry	30	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		
1274854	516947	6696375	Gentle	N	Dry	30	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		
1274855	516936	6696398	Gentle	N	Dry	50	Brown	Bedrock	10-30%	Sandy	B/C	Sub-Rounded	JP		
1274856	516925	6696420	Gentle	N	Dry	40	Brown	Bedrock	10-30%	Sandy	C	Sub-Rounded	JP		
1274857	516917	6696449	Gentle	N	Dry	40	Brown	Bedrock	10-30%	Sandy	C	Sub-Rounded	JP		
1274858	516912	6696469	Gentle	N	Moist	60	Brown	Bedrock	10-30%	Sandy	C	Angular	JP		
1274859	516903	6696492	Gentle	N	Dry	30	Brown	Bedrock	10-30%	Sandy	C	Angular	JP		Glacial deposit on the top
1274860	516894	6696515	Gentle	N	Dry	30	Brown	Bedrock	10-30%	Sandy	C	Round	JP		Glacial deposit on the top
1274861	516894	6696515	Gentle	N	Dry	30	Brown	Bedrock	10-30%	Sandy	C	Round	JP		**Duplicate of 1274860**
1274862	516881	6696562	Moderate	N	Dry	40	Brown	Colluvium/Till	30-50%	Sandy	B	Sub-Rounded	JP		B horizon or glacial deposit
1274863	516859	6696612	Moderate	N	Dry	30	Brown	Colluvium/Till	30-50%	Sandy	B	Sub-Rounded	JP		Glacial deposit
1274864	516844	6696657	Moderate	N	Dry	30	Brown	Colluvium/Till	30-50%	Sandy	B	Sub-Rounded	JP		Glacial deposit
1274865	516747	6696631	Moderate	NW	Dry	40	Brown	Colluvium/Till	30-50%	Sandy	B	Sub-Rounded	JP		Glacial deposit
1274866	516780	6696521	Moderate	NW	Dry	40	Brown	Gravel	30-50%	Sandy	B	Angular	JP		
1274867	516799	6696482	Moderate	NW	Dry	30	Brown	Colluvium	30-50%	Sandy	B	Angular	JP		
1274868	516811	6696462	Moderate	NW	Dry	30	Brown	Bedrock	30-50%	Sandy	B	Sub-Rounded	JP		With glacial clasts
1274869	516819	6696434	Flat	-	Moist	40	Brown	Colluvium	30-50%	Sandy	B	Round	JP		With glacial clasts
1274870	516820	6696413	Flat	-	Dry	60	Brown	Bedrock	<10%	Silty	B	-	JP		Close to the outcrop. Cu+
1274871	516820	6696408	-	-	-	-	-	-	-	-	-	-	JP		**Duplicate of 1274870 (5m)**
1274872	516833	6696386	Gentle	N	Moist	40	Brown	Colluvium	30-50%	Sandy	B	Angular	JP		
1274873	516840	6696364	Gentle	N	Dry	50	Brown	Colluvium	10-30%	Sandy	B	Angular	JP		
1274874	516850	6696336	Flat	-	Moist	110	Brown	Bedrock	<10%	Sandy	B	-	JP		Wet at the bottom of hole
1274875	516869	6696294	Steep	N	Dry	30	Brown	Colluvium	50-70%	Sandy	B	Sub-Rounded	JP		
1274876	516888	6696246	Moderate	N	Moist	30	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		
1274877	516905	6696194	Steep	N	Moist	30	Grey	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		Glacial deposit

1274878	516714	6696129	Moderate	NW	Dry	30	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	JP		With A clasts
1274879	516697	6696178	Moderate	NW	Moist	40	Grey	Colluvium/Till	10-30%	Sandy	B	Sub-Rounded	JP		Glacial deposit
1274880	-	-	-	-	-	-	-	-	-	-	-	-	JP		**BLANK**
1274881	516681	6696226	Moderate	NW	Moist	40	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	JP		
1274882	516763	6696426	Flat	-	Moist	40	Brown	Colluvium	10-30%	Sandy	B	Angular	JP		Between two lines
1274883	516660	6696269	Moderate	N	Dry	30	Brown	Colluvium	<10%	Sandy	B	-	JP		
1274884	516652	6696297	Moderate	NW	Dry	40	Brown	Colluvium	<10%	Sandy	B	-	JP		
1274885	516646	6696320	Flat	-	Dry	50	Brown	Colluvium	10-30%	Sandy	B	Angular	JP		
1274886	516640	6696341	Gentle	NW	Moist	50	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	JP		
1274887	516631	6696365	Gentle	NW	Moist	40	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		
1274888	516619	6696385	Gentle	NW	Moist	40	Brown	Colluvium/Till	10-30%	Sandy	B	Sub-Rounded	JP		
1274889	516612	6696413	Moderate	NW	Wet	40	Brown	Colluvium/Till	10-30%	Sandy	B	Sub-Rounded	JP		
1274890	516595	6696458	Gentle	NW	Moist	30	Brown	Colluvium	30-50%	Sandy	B	Angular	JP		
1274891	516578	6696508	Moderate	NW	Moist	40	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		
1274892	516559	6696552	Gentle	NW	Moist	30	Brown	Colluvium/Till	50-70%	Sandy	B	Sub-Rounded	JP		With some gravel
1274893	516369	6696482	Gentle	SE	Moist	40	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		
1274894	516390	6696435	Moderate	NW	Moist	40	Brown	Colluvium	10-30%	Sandy	B	Angular	JP		
1274895	516411	6696384	Moderate	NW	Moist	30	Brown	Colluvium	10-30%	Sandy	B	Angular	JP		
1274896	516423	6696340	Steep	NW	Moist	50	Brown	Colluvium	30-50%	Sandy	B	Angular	JP		
1274897	516434	6696320	Steep	NW	Moist	60	Brown	Colluvium	30-50%	Clay	B	Angular	JP		
1274898	516441	6696298	Moderate	NW	Wet	70	Brown	Colluvium	30-50%	Sandy	B	Angular	JP		
1274899	516451	6696274	Moderate	NW	Moist	60	Brown	Colluvium	30-50%	Sandy	B	Angular	JP		
1274900	516451	6696274	-	-	-	-	-	-	-	-	-	-	JP		**Duplicate of 1274899**
1274901	516459	6696251	Moderate	NW	Moist	60	Brown	Colluvium	10-30%	Sandy	B	Angular	JP		
1274902	516467	6696229	Moderate	NW	Moist	50	Brown	Colluvium	10-30%	Sandy	B	Angular	JP		
1274903	516475	6696202	Moderate	NW	Moist	30	Brown	Colluvium	10-30%	Sandy	B	Angular	JP		Bottom of a slope
1274904	516492	6696157	Moderate	NW	Moist	40	Brown	Colluvium	10-30%	Sandy	B	Angular	JP		
1274905	516512	6696110	Moderate	NW	Wet	50	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		Glacial deposit
1274906	516524	6696064	Moderate	NW	Moist	60	Brown	Colluvium	10-30%	Sandy	B	Angular	JP		

1274907	516433	6696026	Gentle	NW	Wet	40	Brown	Colluvium/Till	30-50%	Sandy	B	Sub-Rounded	JP		Glacial deposit
1274908	516330	6695995	Gentle	NW	Moist	20	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	JP		Glacial deposit, many roots
1274909	516288	6696137	Gentle	NW	Moist	60	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	JP		3m from the edge
1274910	-	-	-	-	-	-	-	-	-	-	-	-	JP		**BLANK**
1274911	516250	6696226	Steep	NW	Wet	30	Brown	Colluvium	50-70%	Gravel	B	Sub-Rounded	JP		angular & Sub-Rounded clast
1274912	516231	6696274	Steep	NW	Wet	30	Brown	Colluvium	50-70%	Gravel	B	Angular	JP		
1274913	516215	6696374	Flat	-	Wet	20	Brown	Colluvium	50-70%	Gravel	B	Angular	JP		15m from station - talus slope
1274914	517185	6696304	Gentle	N	Moist	40	Brown	Colluvium	30-50%	Sandy	B	Angular	JP		with some clay
1274915	517165	6696347	Gentle	N	Moist	40	Brown	Colluvium	30-50%	Sandy	B	Angular	JP		some Sub-Rounded clast/till
1274916	517150	6696396	Flat	-	Moist	70	Brown	Bedrock	10-30%	Sandy	B	Angular	JP		C horizon is very thin
1274917	517135	6696447	Gentle	N	Wet	50	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		
1274918	517124	6696465	Gentle	N	Wet	80	Brown	Bedrock	30-50%	Sandy	C	Angular	JP		may be colluvium
1274919	517112	6696489	Gentle	N	Wet	30	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		
1274920	517108	6696514	Gentle	N	Wet	40	Brown	Bedrock	10-30%	Sandy	C	Angular	JP		with few Sub-Rounded clast
1274921	517099	6696537	Gentle	N	Wet	50	Brown	Colluvium/Till	50-70%	Gravel	B	Sub-Rounded	JP		few angular clast, colluvium of glacial deposit
1274922	517092	6696559	Gentle	N	Wet	40	Brown	Colluvium/Till	30-50%	Sandy	C	Sub-Rounded	JP		
1274923	517082	6696583	Flat	-	Wet	50	Brown	Till	30-50%	Sandy	B	Sub-Rounded	JP		Glacial deposit
1274924	517064	6696630	Gentle	N	Wet	60	Brown	Colluvium	30-50%	Sandy	B	Angular	JP		
1274925	517051	6696680	Gentle	N	Moist	50	Brown	Colluvium	50-70%	Gravel	B	Sub-Rounded	JP		
1274926	517029	6696727	Flat	-	Moist	100	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		
1274927	517217	6696791	Flat	-	Saturated	120	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	JP		may be alluvium
1274928	517240	6696750	Flat	-	Moist	80	Brown	Colluvium	10-30%	Sandy	B	Angular	JP		with few Sub-Rounded clast
1274929	517252	6696702	Gentle	N	Moist	40	Brown	Till	30-50%	Sandy	B	Sub-Rounded	JP		grey/brown colour = till
1274930	517270	6696655	Gentle	N	Moist	30	Brown	Till	30-50%	Sandy	B	Sub-Rounded	JP		with few angular clast, may be colluvium
1274931	517277	6696631	Gentle	N	Wet	60	Brown	Till	30-50%	Sandy	B	Sub-Rounded	JP		
1274932	517290	6696608	Gentle	N	Wet	50	Brown	Till	50-70%	Gravel	B	Sub-Rounded	JP		
1274933	517298	6696582	Gentle	NE	Wet	70	Brown	Till	50-70%	Sandy	B	Sub-Rounded	JP		
1274934	517308	6696558	Gentle	NE	Wet	90	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		

1274935	517315	6696532	Gentle	N	Wet	70	Brown	Colluvium	30-50%	Sandy	B	Angular	JP		with gravel felsic clast
1274936	517323	6696507	Gentle	NE	Wet	30	Brown	Colluvium/Till	50-70%	Gravel	B	Sub-Rounded	JP		
1274937	517323	6696507	-	-	-	-	-	-	-	-	-	-	JP		**Duplicate of 1274936**
1274938	517343	6696465	Flat	-	Wet	40	Brown	Colluvium/Till	30-50%	Sandy	B	Sub-Rounded	JP		10m from a rocky talus
1274939	517356	6696418	Moderate	NE	Wet	60	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		top of the talus slope
1274940	517374	6696370	Gentle	NE	Moist	70	Brown	Colluvium/Till	30-50%	Sandy	B	Sub-Rounded	JP		
1274941	517558	6696439	Flat	-	Moist	50	Brown	Colluvium/Till	30-50%	Sandy	B	Sub-Rounded	JP		
1274942	517543	6696487	Flat	-	Moist	40	Brown	Till	30-50%	Sandy	B	Sub-Rounded	JP		
1274943	517528	6696533	Flat	-	Moist	50	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		
1274944	517507	6696584	Gentle	N	Moist	50	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	JP		few angular clast
1274945	517493	6696626	Flat	-	Moist	40	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	JP		
1274946	517474	6696675	Flat	-	Moist	30	Grey	Till	30-50%	Sandy	B	Sub-Rounded	JP		
1274947	517451	6696721	Flat	-	Wet	40	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		dark brown, may be alluvium
1274948	517441	6696767	Gentle	N	Moist	40	Brown	Till	30-50%	Sandy	B	Sub-Rounded	JP		brown/grey
1274949	517424	6696817	Flat	-	Moist	120	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	JP		Clay with sand
1274950	517405	6696862	Flat	-	Moist	40	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	JP		Clay with sand
1274951	518325	6695132	Moderate	NE	Moist	40	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		Bottom of a talus; rocky
1274952	518343	6695177	Moderate	NE	Moist	40	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	JP		
1274953	518362	6695224	Moderate	NE	Moist	80	Brown	Colluvium	10-30%	Sandy	B	Angular	JP		With grey clay
1274954	518378	6695270	Moderate	NE	Moist	100	Brown	Colluvium	30-50%	Clay	B	Sub-Rounded	JP		Sandy clay
1274955	518369	6695320	Moderate	NE	Moist	80	Grey	Colluvium	10-30%	Clay	B	Angular	JP		50% grey clay, 50% brown sand
1274956	518412	6695368	Moderate	NE	Wet	80	Brown	Colluvium	30-50%	Clay	B	Sub-Rounded	JP		With sand
1274957	518427	6695414	Moderate	NE	Wet	70	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		With grey clay
1274958	518446	6695464	Moderate	NE	Wet	100	Brown	Colluvium	30-50%	Clay	B	Sub-Rounded	JP		With sand. 2 B horizons, 2nd B horizon and organic material at 80cm. Grey/blue clay at the bottom of the hole.
1274959	518258	6695530	Gentle	N	Wet	90	Grey	Colluvium/Till	30-50%	Sandy	B	Sub-Rounded	JP		With clay, 2 B horizons

1274960	518242	6695480	Gentle	N	Moist	80	Brown	Colluvium/Till	10-30%	Sandy	B	Sub-Rounded	JP		2 B horizons, 2nd at 60cm
1274961	518223	6695432	Gentle	N	Wet	120	Grey	Colluvium/Till	30-50%	Clay	B	Sub-Rounded	JP		With sand
1274962	518209	6695388	Gentle	N	Moist	70	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		With grey clay
1274963	518191	6695342	Moderate	N	Moist	60	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		With clay, few angular clasts, & 2 B horizons
1274964	518177	6695293	Moderate	N	Moist	100	Brown	Colluvium	30-50%	Clay	B	Sub-Rounded	JP		With sand, & dark grey clay at the bottom of hole
1274965	518156	6695249	Moderate	N	Wet	120	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	JP		With sand
1274966	518139	6695192	Moderate	N	Saturated	90	Brown	Colluvium	30-50%	Clay	B	Sub-Rounded	JP		With sand and gravel
1274967	517765	6695340	Moderate	NW	Moist	50	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		
1274968	517781	6695388	Moderate	NW	Saturated	70	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		With clay
1274969	517796	6695432	Moderate	NW	Moist	50	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	JP		Few angular clasts
1274970	517815	6695478	Gentle	NW	Wet	70	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	JP		With sand
1274971	517832	6695525	Gentle	NW	Moist	70	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	JP		Top of a little slope
1274972	517850	6695575	Gentle	NW	Wet	100	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	JP		Brown/yellow colour
1274973	517866	6695621	Gentle	NW	Moist	50	Brown	Colluvium/Till	30-50%	Sandy	B	Sub-Rounded	JP		
1274974	517882	6695665	Gentle	NW	Moist	60	Brown	Colluvium/Till	30-50%	Sandy	B	Sub-Rounded	JP		
1274975	518072	6695595	Gentle	NW	Wet	70	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	JP		With sand
1274976	518040	6695503	Gentle	N	Moist	50	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	JP		Few angular clasts
1274977	518001	6695313	Moderate	N	Moist	40	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	JP		
1274978	517968	6695313	Gentle	N	Moist	80	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	JP		With dark grey clay
1274979	517968	6695313	-	-	-	-	-	-	-	-	-	-	JP		**Duplicate of 1274978**
1274501	517093	6696270	Flat	-	Dry	50	Brown	Bedrock	30-50%	Gravel	C	Angular	CG	10.8.11	may be colluvium or till
1274502	517073	6696314	Gentle	N	Dry	50	Brown	Bedrock	<10%	Silty	C	Sub-Rounded	CG	10.8.11	may be colluvium or till
1274503	517053	6696362	Gentle	N	Dry	60	Brown	Bedrock	10-30%	Sandy	C	Sub-Rounded	CG	10.8.11	may be colluvium or till
1274504	517039	6696405	Gentle	N	Dry	60	Brown	Bedrock	<10%	Sandy	C	Sub-Rounded	CG	10.8.11	may be colluvium or till
1274505	517030	6696428	Gentle	N	Dry	50	Grey	Bedrock	30-50%	Sandy	C	Angular	CG	10.8.11	may be colluvium or till
1274506	517021	6696454	Gentle	N	Dry	40	Brown	Bedrock	10-30%	Sandy	C	Sub-Rounded	CG	10.8.11	may be colluvium or till
1274507	517016	6696478	Gentle	N	Dry	60	Brown	Bedrock	10-30%	Sandy	C	Sub-Rounded	CG	10.8.11	may be colluvium or till

1274508	517006	6696502	Gentle	NE	Dry	60	Brown	Bedrock	10-30%	Sandy	C	Sub-Rounded	CG	10.8.11	may be colluvium or till
1274509	516996	6696522	Gentle	NE	Moist	50	Brown	Colluvium	10-30%	Gravelly Clay	B	Sub-Rounded	CG	10.8.11	
1274510	516989	6696549	Moderate	NE	Dry	50	Brown	Bedrock	10-30%	Sandy	C	Sub-Rounded	CG	10.8.11	may be colluvium or till
1274511	516989	6696549	-	-	-	-	-	-	-	-	-	-	CG	10.8.11	**Duplicate of 1274510**
1274512	516947	6696597	Moderate	NE	Moist	60	Brown	Colluvium	30-50%	Gravelly Clay	B	Sub-Rounded	CG	10.8.11	
1274513	516955	6696642	Flat	-	Dry	70	Brown	Bedrock	<10%	Sandy	C	Sub-Rounded	CG	10.8.11	may be colluvium or till
1274514	516937	6696687	Gentle	NE	Dry	60	Brown	Bedrock	10-30%	Sandy	C	Sub-Rounded	CG	10.8.11	may be colluvium or till
1274515	516653	6696588	Moderate	NW	Dry	40	Brown	Bedrock	10-30%	Sandy	C	Sub-Rounded	CG	10.8.11	may be colluvium or till
1274516	516673	6696541	Moderate	NW	Dry	50	Brown	Bedrock	30-50%	Sandy	C	Sub-Rounded	CG	10.8.11	may be colluvium or till
1274517	516690	6696494	Gentle	NW	Dry	50	Brown	Colluvium	10-30%	Gravelly Clay	B	Sub-Rounded	CG	10.8.11	
1274518	516711	6696447	Gentle	NW	Dry	100	Orange	Bedrock	10-30%	Sandy	C	Sub-Rounded	CG	10.8.11	may be colluvium or till
1274519	516719	6696421	Flat	-	Dry	120	Brown	Bedrock	10-30%	Sandy	C	Sub-Rounded	CG	10.8.11	In valley near orange flagged rock
1274520	516724	6696398	Moderate	NW	Moist	60	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	CG	10.8.11	
1274521	516731	6696378	Gentle	NW	Dry	60	Brown	Colluvium	10-30%	Gravelly Clay	B	Sub-Rounded	CG	10.8.11	
1274522	516740	6696351	Gentle	N	Dry	40	Grey	Colluvium	-	Silty	B	-	CG	10.8.11	No rocks
1274523	516749	6696329	Moderate	N	Dry	40	Brown	Colluvium	-	Silty	B	-	CG	10.8.11	No rocks
1274524	516757	6696303	Moderate	N	Dry	80	Brown	Colluvium	10-30%	Silty	B	Sub-Rounded	CG	10.8.11	
1274525	516776	6696258	Moderate	N	Dry	40	Brown	Colluvium	10-30%	Silty	B	Sub-Rounded	CG	10.8.11	
1274526	516791	6696207	Steep	N	Dry	40	Brown	Colluvium	10-30%	Sandy	C	Sub-Rounded	CG	10.8.11	
1274527	516811	6696163	Steep	N	Dry	40	Brown	Colluvium	30-50%	Sandy	C	Sub-Rounded	CG	10.8.11	
1274528	516621	6696095	Moderate	N	Dry	40	Brown	Colluvium	10-30%	Silty	B	Sub-Rounded	CG	10.8.11	
1274529	516604	6696142	Moderate	N	Moist	60	Grey	Colluvium	10-30%	Clay	B	Sub-Rounded	CG	10.8.11	
1274530	-	-	-	-	-	-	-	-	-	-	-	-	CG	11.8.11	**BLANK**
1274531	516590	6696190	Steep	N	Moist	50	Brown	Colluvium	10-30%	Gravelly Clay	B	Sub-Rounded	CG	11.8.11	
1274532	516567	6696236	Moderate	N	Moist	60	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	CG	11.8.11	
1274533	516560	6696259	Moderate	N	Moist	60	Brown	Colluvium	<10%	Silty	B	Sub-Rounded	CG	11.8.11	
1274534	516553	6696282	Moderate	N	Moist	70	Brown	Colluvium	30-50%	Silty	B	Sub-Rounded	CG	11.8.11	

1274535	516542	6696306	Moderate	N	Dry	70	Yellow	Bedrock	10-30%	Sandy	C	Sub-Rounded	CG	11.8.11	may be colluvium or till
1274536	516532	6696329	Moderate	N	Moist	40	Brown	Colluvium	30-50%	Gravel	B	Sub-Rounded	CG	11.8.11	
1274537	516528	6696352	Moderate	N	Moist	40	Brown	Colluvium	<10%	Clay	B	Sub-Rounded	CG	11.8.11	
1274538	516518	6696379	Moderate	N	Dry	40	Brown	Colluvium	10-30%	Gravel	C	Angular	CG	11.8.11	
1274539	516502	6696425	Steep	N	Moist	60	Brown	Colluvium	10-30%	Sandy	C	Angular	CG	11.8.11	
1274540	516478	6696471	Moderate	NW	Dry	60	Brown	Bedrock	10-30%	Sandy	C	Angular	CG	11.8.11	may be colluvium or till
1274541	516465	6696522	Gentle	SE	Dry	50	Grey	Colluvium	10-30%	Silty	B	Sub-Rounded	CG	11.8.11	
1274542	516283	6696450	Gentle	SE	Dry	50	Brown	Colluvium	10-30%	Silty	B	Sub-Rounded	CG	11.8.11	
1274543	516299	6696406	Steep	NW	Moist	40	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	CG	11.8.11	
1274544	516314	6696359	Steep	NW	Wet	80	Brown	Colluvium	10-30%	Clay	B	Angular	CG	11.8.11	
1274545	516330	6696312	Steep	NW	Wet	60	Brown	Colluvium	30-50%	Gravelly Clay	B	Sub-Rounded	CG	11.8.11	
1274556	?	?	?	?	?	?	?	?	?	?	?	?	CG	11.8.11	**MISSING DATA**
1274557	516346	6696261	Steep	NW	Wet	40	Brown	Colluvium	30-50%	Gravel	B	Sub-Rounded	CG	11.8.11	
1274548	516355	6696242	Moderate	NW	Wet	60	Brown	Colluvium	30-50%	Clay	B	Sub-Rounded	CG	11.8.11	
1274549	516365	6696212	Moderate	NW	Moist	60	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	CG	11.8.11	
1274550	516365	6696212	-	-	-	-	-	-	-	-	-	-	CG	11.8.11	**Duplicate of 1274549**
1274551	516372	6696190	Moderate	NW	Moist	90	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	CG	11.8.11	
1274552	516380	6696171	Moderate	NE	Moist	80	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	CG	11.8.11	
1274553	516397	6696124	Moderate	NE	Moist	70	Brown	Colluvium	10-30%	Silty	B	Sub-Rounded	CG	11.8.11	
1274554	516416	6696074	Moderate	NE	Moist	70	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CG	11.8.11	
1274555	516323	6696040	Moderate	N	Wet	110	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	CG	11.8.11	
1274556	516307	6696088	Moderate	N	Moist	100	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	CG	11.8.11	
1274557	516272	6696181	Steep	N	Wet	70	Brown	Colluvium	50-70%	Gravel	B	Angular	CG	11.8.11	
1274558	516222	6696318	Steep	N	Wet	40	Brown	Colluvium	30-50%	Gravelly Clay	B	Angular	CG	11.8.11	
1274559	516188	6696415	Moderate	SE	Dry	40	Brown	Colluvium	<10%	Silty	B	Sub-Rounded	CG	11.8.11	
1274560	517279	6696335	Gentle	NE	Dry	50	Brown	Colluvium	10-30%	Sandy	C	Sub-Rounded	CG	12.8.11	
1274561	517259	6696380	Gentle	NE	Dry	50	Brown	Colluvium	30-50%	Gravel	C	Sub-Rounded	CG	12.8.11	

1274562	517245	6696429	Gentle	NE	Dry	40	Brown	Colluvium	10-30%	Gravel	B	Sub-Rounded	CG	12.8.11	
1274563	517225	6696474	Gentle	NE	Moist	50	Brown	Colluvium	10-30%	Gravelly Clay	B	Sub-Rounded	CG	12.8.11	
1274564	517218	6696500	Gentle	NE	Moist	100	Brown	Colluvium	10-30%	Silty	B	Sub-Rounded	CG	12.8.11	
1274565	517213	6696523	Gentle	NE	Dry	60	Brown	Colluvium	30-50%	Sandy	C	Sub-Rounded	CG	12.8.11	
1274566	517201	6696547	Gentle	NE	Dry	60	Brown	Colluvium	30-50%	Sandy	C	Sub-Rounded	CG	12.8.11	
1274567	517201	6696547	-	-	-	-	-	-	-	-	-	-	CG	12.8.11	**Duplicate of 1274566**
1274568	517191	6696573	Gentle	NE	Moist	90	Brown	Colluvium	30-50%	Sandy	C	Sub-Rounded	CG	12.8.11	
1274569	517185	6696594	Gentle	NE	Moist	110	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CG	12.8.11	
1274570	517176	6696617	Flat	-	Moist	70	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CG	12.8.11	
1274571	517161	6696663	Gentle	N	Moist	70	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CG	12.8.11	some clay
1274572	517138	6696711	Flat	-	Dry	70	Brown	Colluvium	30-50%	Gravel	C	Sub-Rounded	CG	12.8.11	
1274573	517124	6696758	Flat	-	Dry	50	Brown	Colluvium	30-50%	Gravel	B	Sub-Rounded	CG	12.8.11	
1274574	517312	6696825	Flat	-	Dry	40	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	CG	12.8.11	
1274575	517335	6696782	Flat	-	Dry	70	Brown	Colluvium	10-30%	Sandy	B	Angular	CG	12.8.11	
1274576	517348	6696735	Flat	-	Wet	80	Brown	Colluvium	10-30%	Gravelly Clay	B	Angular	CG	12.8.11	
1274577	517364	6696685	Flat	-	Saturated	70	Brown	Colluvium	10-30%	Gravelly Clay	B	Angular	CG	12.8.11	
1274578	517377	6696666	Flat	-	Wet	80	Brown	Colluvium	-	Clay	B	-	CG	12.8.11	No rocks, in swampy area
1274579	517383	6696639	Flat	-	Wet	90	Brown	Colluvium	-	Clay	B	-	CG	12.8.11	No rocks, in swampy area
1274580	517386	6696617	Flat	-	Moist	40	Brown	Colluvium	10-30%	Sandy	B	Angular	CG	12.8.11	Some clay
1274581	517398	6696591	Flat	-	Moist	50	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	CG	12.8.11	Some clay
1274582	517412	6696569	Gentle	NE	Dry	70	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CG	12.8.11	
1274583	517416	6696545	Gentle	NE	Moist	80	Brown	Colluvium	30-50%	Gravelly Clay	B	Sub-Rounded	CG	12.8.11	
1274584	517431	6696497	Gentle	NE	Moist	40	Brown	Colluvium	10-30%	Silty	B	Sub-Rounded	CG	12.8.11	
1274585	517449	6696452	Gentle	NE	Moist	30	Brown	Colluvium	10-30%	Silty	B	Sub-Rounded	CG	12.8.11	
1274586	517464	6696407	Gentle	NE	Moist	60	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	CG	12.8.11	
1274587	517657	6696475	Gentle	NE	Moist	60	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CG	12.8.11	
1274588	517638	6696518	Gentle	NE	Moist	70	Grey	Colluvium	30-50%	Sandy	B	Sub-Rounded	CG	12.8.11	

1274589	517620	6696566	Gentle	NE	Moist	40	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	CG	12.8.11	
1274590	517603	6696613	Gentle	NE	Dry	70	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CG	12.8.11	
1274591	517585	6696658	Gentle	NE	Dry	40	Brown	Colluvium	10-30%	Silty	B	Angular	CG	12.8.11	
1274592	517567	6696706	Gentle	NE	Moist	50	Brown	Colluvium	<10%	Silty	B	Sub-Rounded	CG	12.8.11	
1274593	517551	6696753	Gentle	NE	Moist	50	Brown	Colluvium	10-30%	Gravelly Clay	B	Sub-Rounded	CG	12.8.11	
1274594	517536	6696800	Gentle	NE	Moist	40	Brown	Colluvium	10-30%	Gravelly Clay	B	Sub-Rounded	CG	12.8.11	
1274595	517500	6696893	Flat	-	Moist	50	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CG	12.8.11	Some clay
1274596	-	-	-	-	-	-	-	-	-	-	-	-	CG	12.8.11	**BLANK**
1274597	518235	6695166	Moderate	NE	Moist	100	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	CG	14.8.11	
1274598	518250	6695216	Gentle	NE	Dry	40	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	CG	14.8.11	
1274599	518266	6695259	Gentle	NE	Moist	90	Brown	Colluvium	<10%	Clay	B	Sub-Rounded	CG	14.8.11	
1274600	517516	6696847	Gentle	NE	Wet	100	Grey	Colluvium	10-30%	Sandy	B	Sub-Rounded	CG	14.8.11	
1274601	518283	6695304	Gentle	NE	Moist	80	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	CG	14.8.11	
1274602	518301	6695356	Gentle	NE	Moist	110	Grey	Colluvium	<10%	Clay	B	Angular	CG	14.8.11	
1274603	518319	6695402	Gentle	NE	Moist	110	Brown	Colluvium	<10%	Clay	B	Sub-Rounded	CG	14.8.11	
1274604	518334	6695450	Gentle	E	Dry	70	Grey	Colluvium	10-30%	Silty	B	Sub-Rounded	CG	14.8.11	
1274605	518353	6695495	Gentle	E	Moist	80	Grey	Colluvium	10-30%	Gravelly Clay	B	Sub-Rounded	CG	14.8.11	
1274606	518165	6695562	Gentle	NE	Dry	70	Brown	Colluvium	10-30%	Gravelly Clay	B	Sub-Rounded	CG	14.8.11	
1274607	518147	6695517	Gentle	NE	Moist	70	Grey	Colluvium	10-30%	Clay	B	Sub-Rounded	CG	14.8.11	
1274608	518132	6695469	Gentle	NE	Moist	80	Brown	Colluvium	<10%	Clay	B	Sub-Rounded	CG	14.8.11	
1274609	518117	6695423	Gentle	NE	Dry	50	Brown	Colluvium	10-30%	Gravelly Clay	B	Sub-Rounded	CG	14.8.11	
1274610	518096	6695375	Moderate	N	Dry	40	Brown	Colluvium	10-30%	Sandy	B	Angular	CG	14.8.11	
1274611	518080	6695330	Gentle	N	Moist	60	Brown	Colluvium	<10%	Clay	B	Sub-Rounded	CG	14.8.11	
1274612	518062	6695281	Gentle	N	Moist	70	Grey	Colluvium	<10%	Clay	B	Angular	CG	14.8.11	
1274613	518046	6695233	Gentle	N	Moist	70	Grey	Colluvium	<10%	Clay	B	Sub-Rounded	CG	14.8.11	
1274614	517858	6695302	Gentle	NW	Wet	80	Brown	Colluvium	<10%	Clay	B	Sub-Rounded	CG	14.8.11	
1274615	517877	6695349	Gentle	NW	Wet	80	Brown	Colluvium	<10%	Clay	B	Sub-Rounded	CG	14.8.11	

1274616	517888	6695395	Gentle	NW	Wet	90	Brown	Colluvium	<10%	Clay	B	Sub-Rounded	CG	14.8.11	
1274617	517906	6695443	Moderate	N	Moist	70	Brown	Colluvium	<10%	Clay	B	Sub-Rounded	CG	14.8.11	
1274618	517906	6695443	-	-	-	-	-	-	-	-	-	-	CG	14.8.11	**Duplicate of 1274617**
1274619	517926	6695489	Gentle	N	Moist	80	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CG	14.8.11	Some clay
1274620	517941	6695536	Gentle	N	Wet	120	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CG	14.8.11	
1274621	517960	6695585	Gentle	N	Moist	60	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CG	14.8.11	
1274622	517977	6695630	Gentle	N	Dry	40	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CG	14.8.11	
1274623	518056	6695554	Gentle	N	Dry	80	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CG	14.8.11	
1274624	518021	6695457	Gentle	N	Dry	60	Brown	Colluvium	30-50%	Sandy	B	Angular	CG	14.8.11	
1274625	517987	6695362	Gentle	N	Wet	50	Brown	Colluvium	<10%	Clay	B	Angular	CG	14.8.11	
1274626	517953	6695270	Gentle	NW	Wet	110	Brown	Colluvium	10-30%	Clay	B	Sub-Rounded	CG	14.8.11	
1274627	518924	6695562	Flat	-	Saturated	90	Brown	Alluvium	<10%	Clay	B	Round	CG	15.8.11	In swampy area
1274628	518960	6695601	Gentle	S	Moist	80	Brown	Colluvium/Till	30-50%	Sandy	B	Sub-Rounded	CG	15.8.11	some angular clasts
1274629	518932	6695645	Gentle	SW	Dry	40	Brown	Colluvium/Till	30-50%	Sandy	B	Sub-Rounded	CG	15.8.11	
1274630	518899	6695681	Gentle	SW	Moist	50	Brown	Colluvium/Till	30-50%	Sandy	B	Sub-Rounded	CG	15.8.11	some angular clasts
1274631	518867	6695722	Gentle	SW	Dry	60	Brown	Colluvium/Till	10-30%	Sandy	B	Angular	CG	15.8.11	
1274632	518830	6695757	Gentle	SW	Dry	80	Brown	Colluvium/Till	<10%	Silty	B	Sub-Rounded	CG	15.8.11	
1274633	518809	6695802	Gentle	SW	Dry	40	Orange	Colluvium/Till	30-50%	Sandy	B	Sub-Rounded	CG	15.8.11	some angular clasts
1274634	518805	6695852	Gentle	W	Dry	60	Brown	Colluvium/Till	<10%	Silty	B	Sub-Rounded	CG	15.8.11	
1274635	518802	6695902	Gentle	SW	Dry	90	Brown	Colluvium/Till	<10%	Silty	B	Angular	CG	15.8.11	
1274636	518785	6695950	Moderate	SW	Dry	50	Brown	Colluvium/Till	<10%	Sandy	B	Angular	CG	15.8.11	
1274637	518756	6695993	Moderate	SW	Dry	70	Brown	Colluvium/Till	<10%	Sandy	B	Sub-Rounded	CG	15.8.11	
1274638	518731	6696036	Moderate	SW	Dry	110	Brown	Colluvium/Till	<10%	Sandy	B	Sub-Rounded	CG	15.8.11	some angular clasts
1274639	518697	6696072	Moderate	SW	Moist	70	Brown	Colluvium/Till	<10%	Silty	B	Sub-Rounded	CG	15.8.11	some clay
1274640	518670	6696115	Gentle	W	Dry	60	Brown	Colluvium/Till	10-30%	Sandy	B	Sub-Rounded	CG	15.8.11	
1274641	518673	6696165	Moderate	W	Moist	120	Grey	Colluvium/Till	30-50%	Gravelly Clay	B	Sub-Rounded	CG	15.8.11	some angular clasts
1274642	518697	6696210	Moderate	NW	Moist	110	Brown	Colluvium/Till	10-30%	Sandy	B	Sub-Rounded	CG	15.8.11	

1274643	518663	6696244	Gentle	NW	Dry	40	Brown	Colluvium/Till	10-30%	Sandy	B	Sub-Rounded	CG	15.8.11	
1274644	518650	6696292	Gentle	W	Dry	70	Brown	Colluvium/Till	10-30%	Sandy	B	Sub-Rounded	CG	15.8.11	
1274645	518622	6696336	Gentle	W	Dry	50	Grey	Colluvium/Till	10-30%	Sandy	B	Sub-Rounded	CG	15.8.11	
1274646	518573	6696352	Flat	-	Dry	40	Brown	Till	10-30%	Sandy	B	Sub-Rounded	CG	15.8.11	
1274647	518547	6696395	Flat	-	Dry	30	Brown	Till	50-70%	Gravel	B	Sub-Rounded	CG	15.8.11	
1274648	518547	6696395	-	-	-	-	-	-	-	-	-	-	CG	15.8.11	**Duplicate of 1274647**
1274649	518543	6696445	Flat	-	Dry	50	Brown	Till	<10%	Sandy	B	Sub-Rounded	CG	15.8.11	
1274650	518558	6696493	Flat	-	Dry	40	Brown	Till	50-70%	Gravel	B	Sub-Rounded	CG	15.8.11	
1274651	518563	6696544	Moderate	W	Dry	50	Brown	Till	30-50%	Sandy	B	Sub-Rounded	CG	15.8.11	
1274701	520884	6695271	Steep	SE	Moist	30	Brown	Colluvium	30-50%	Gravelly Clay	B	Angular	CS	14.8.11	
1274702	520943	6695222	Flat	-	Moist	70	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	CS	14.8.11	
1274703	520990	6695198	Steep	NW	Moist	40	Brown	Colluvium	30-50%	Gravelly Clay	B	Angular	CS	14.8.11	
1274704	521593	6696234	Steep	SE	Moist	50	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CS	14.8.11	
1274705	521660	6696204	Flat	-	Moist	70	Brown	Colluvium	<10%%	Sandy	B	Angular	CS	14.8.11	
1274706	521707	6696164	Flat	-	Moist	40	Brown	Till	10-30%	Sandy	B	Rounded	CS	14.8.11	
1274707	521846	6696548	Steep	NW	Moist	30	Brown	Colluvium	30-50%	Sandy	B	Angular	CS	14.8.11	
1274708	521815	6696576	Flat	-	Moist	100	Brown	Bedrock	<10%%	Silty	C	Angular	CS	14.8.11	Contains Silicified rock chips
1274709	521781	6696599	Moderate	SE	Dry	50	Brown	Colluvium	30-50%	Silty	B	Rounded	CS	14.8.11	
1274710	518884	6695538	Gentle	SE	Moist	60	Brown	Till	30-50%	Sandy	B	Rounded	CS	15.8.11	
1274711	518846	6695574	Gentle	SE	Wet	60	Grey	Till	10-30%	Gravelly Clay	B	Rounded	CS	15.8.11	
1274712	518817	6695613	Steep	SE	Moist	30	Brown	Colluvium	10-30%	Gravelly Clay	B	Rounded	CS	15.8.11	
1274713	518794	6695658	Steep	SE	Moist	50	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CS	15.8.11	
1274714	518781	6695705	Gentle	SE	Moist	40	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	CS	15.8.11	
1274715	518766	6695755	Gentle	SE	Moist	40	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	CS	15.8.11	
1274716	518763	6695806	Gentle	SE	Moist	40	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CS	15.8.11	
1274717	518741	6695851	Gentle	SE	Moist	40	Brown	Colluvium	10-30%	Sandy	B	Sub-Rounded	CS	15.8.11	
1274718	518696	6695939	Moderate	E	Moist	70	Brown	Colluvium	10-30%	Sandy	B	Rounded	CS	15.8.11	

1274719	519659	6695973	Gentle	E	Moist	50	Brown	Colluvium	30-50%	Sandy	B	Rounded	CS	15.8.11	
1274720	518614	6696000	Gentle	E	Moist	40	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	CS	15.8.11	
1274721	518730	6695903	Moderate	SE	Moist	60	Brown	Colluvium	30-50%	Sandy	B	Sub-Rounded	CS	15.8.11	
1274722	518584	6696042	Gentle	E	Moist	120	Brown	Till	<10%%	Sandy	B	Rounded	CS	15.8.11	
1274723	518561	6696087	Moderate	E	Moist	30	Brown	Till	10-30%	Silty	B	Sub-Rounded	CS	15.8.11	
1274724	518546	6696135	Gentle	E	Moist	40	Brown	Till	10-30%	Silty	B	Sub-Rounded	CS	15.8.11	
1274725	518524	6696180	Gentle	E	Moist	50	Brown	Till	10-30%	Gravelly Clay	B	Sub-Rounded	CS	15.8.11	
1274726	518532	6696231	Gentle	E	Moist	40	Brown	Till	10-30%	Gravelly Clay	B	Sub-Rounded	CS	15.8.11	
1274727	518498	6696264	Gentle	E	Moist	30	Brown	Till	30-50%	Silty	B	Sub-Rounded	CS	15.8.11	
1274728	518471	6696305	Gentle	E	Moist	40	Brown	Till	30-50%	Sandy	B	Sub-Rounded	CS	15.8.11	
1274729	518448	6696349	Gentle	E	Moist	40	Brown	Till	30-50%	Gravelly Clay	B	Sub-Rounded	CS	15.8.11	
1274730	518448	6696349	-	-	-	-	-	-	-	-	-	-	CS	15.8.11	**Duplicate of 1274729**
1274980	518435	6696397	Gentle	E	Moist	50	Brown	Till	10-30%	Silty	B	Rounded	CS	15.8.11	
1274981	518443	6696449	Flat	-	Moist	40	Orange	Till	10-30%	Sandy	B	Sub-Rounded	CS	15.8.11	
1274982	518428	6696498	Flat	-	Moist	30	Brown	Till	30-50%	Gravelly Clay	B	Rounded	CS	15.8.11	

Appendix 3 – Assay certificate for rock samples

Certificate of Analysis

Work Order: VC111254

To: **ACCOUNTS PAYABLE**
SGS VANCOUVER INC
8282 SHERBROOKE ST.
VANCOUVER BC V5X 4R6

Date: Sep 27, 2011

P.O. No.	:	CRISPIN STUDER-PIKA EXPLORATION
Project No.	:	-
No. Of Samples	:	38
Date Submitted	:	Aug 30, 2011
Report Comprises	:	Pages 1 to 7 (Inclusive of Cover Sheet)

Comments:

Boron for information values only.

Certified By : _____

Albert Hung
Senior Chemist & Coordinator

SGS Minerals Services Geochemistry, Vancouver, BC is ISO 9001:2008 certified.

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Final : VC111254 Order: CRISPIN STUDER-PIKA EXPLORATION

Element	WtKg	Au	Al	B	Ba	Ca	Cr	Cu	Fe	K
Method	WGH79	FAA515	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B
Det.Lim.	0.001	5	0.01	10	5	0.01	1	0.5	0.01	0.01
Units	kg	ppb	%	ppm	ppm	%	ppm	ppm	%	%
1274801	3.255	27	0.11	50	31	0.02	12	46.2	0.49	0.10
1274802	4.140	8	0.23	50	46	0.03	99	47.7	1.08	0.20
1274803	4.175	366	0.22	50	713	0.03	12	111	1.16	0.21
1274804	4.025	47	0.25	50	54	0.03	100	67.1	0.98	0.22
1274805	4.835	24	0.17	50	45	0.01	13	61.7	0.80	0.14
1274806	3.885	70	0.17	50	172	<0.01	153	165	0.52	0.14
1274807	5.400	18	0.13	50	800	<0.01	17	118	0.67	0.11
1274808	2.185	380	0.20	50	2420	0.02	134	916	0.82	0.19
1274809	1.735	32	0.13	40	73	0.01	15	80.7	0.62	0.08
1274810	2.460	<5	0.23	60	30	<0.01	99	6.5	0.63	0.15
1274811	2.455	<5	0.14	40	427	0.66	10	12.3	1.19	0.09
1274812	2.820	<5	0.01	60	12	>15	5	0.6	0.02	<0.01
1274813	1.875	<5	0.09	50	801	3.24	8	33.0	1.67	0.06
1274814	1.910	<5	0.24	40	157	3.14	6	98.1	1.10	0.16
1274815	3.100	<5	0.19	50	703	0.20	128	11.3	0.38	0.12
1274816	3.120	<5	0.21	50	45	0.03	6	5.6	0.76	0.12
1274817	2.470	<5	0.26	50	64	0.04	89	24.0	0.79	0.14
1274818	2.505	<5	0.36	60	78	0.19	10	5.5	1.45	0.09
1274819	3.260	8	1.93	60	119	0.73	66	67.5	3.14	0.25
1274820	3.215	<5	3.20	60	84	1.38	67	23.1	6.39	0.08
1274821	2.560	<5	0.77	60	449	0.56	23	26.0	2.87	0.21
1274822	2.545	<5	0.05	70	164	3.81	114	2.0	0.38	0.01
1274823	3.145	<5	5.96	50	88	4.03	57	29.4	6.17	0.18
1274824	2.875	<5	2.60	80	563	1.39	79	41.5	3.47	1.24
1274825	0.075	34	3.78	40	131	0.28	623	473	13.7	0.07
1274826	2.615	11	2.32	60	138	1.04	32	32.5	2.77	0.47
1274827	2.920	8	2.74	60	102	1.81	74	56.3	3.62	0.07
1274828	2.990	6	0.42	50	247	0.18	5	3.4	2.35	0.25
1274829	2.520	5	0.37	50	145	0.03	59	6.1	1.15	0.26
1274830	0.080	12	1.00	60	77	0.62	30	21.7	1.95	0.07
1274831	2.605	<5	0.94	60	105	0.84	44	38.6	1.45	0.21
1274832	2.575	<5	0.72	70	76	0.89	79	46.1	1.55	0.16
1274833	2.370	<5	2.04	50	70	6.61	163	21.2	4.84	0.14
1274834	2.645	<5	1.32	50	185	2.92	51	19.5	3.30	0.27
1274835	0.080	667	1.11	60	109	0.75	44	7850	2.54	0.10
1274836	2.440	<5	0.82	60	251	6.26	68	44.6	2.67	0.15
1274837	1.900	38	1.77	60	136	5.82	207	82.1	3.14	0.09
1274838	2.530	7	0.85	50	158	3.13	43	65.5	3.60	0.26

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Element	Li	Mg	Mn	Na	Ni	P	S	Sr	Ti	V
Method	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B
Det.Lim.	1	0.01	2	0.01	0.5	50	0.01	0.5	0.01	1
Units	ppm	%	ppm	%	ppm	ppm	%	ppm	%	ppm
1274801	<1	<0.01	43	<0.01	2.3	60	<0.01	2.4	<0.01	3
1274802	<1	0.02	78	0.01	3.4	140	<0.01	3.5	<0.01	7
1274803	<1	0.01	99	0.01	2.8	220	0.04	6.9	<0.01	7
1274804	<1	0.02	144	0.01	3.3	150	<0.01	4.6	<0.01	7
1274805	<1	0.01	70	0.01	2.5	80	<0.01	2.7	<0.01	4
1274806	<1	0.01	44	0.01	4.6	60	0.01	2.8	<0.01	6
1274807	<1	<0.01	57	0.01	3.6	70	0.04	6.6	<0.01	7
1274808	<1	0.01	38	0.01	3.0	100	0.08	10.8	<0.01	7
1274809	<1	0.02	108	<0.01	2.5	<50	<0.01	1.6	<0.01	3
1274810	<1	0.02	109	0.07	2.0	<50	<0.01	2.1	<0.01	<1
1274811	<1	0.03	409	<0.01	9.2	120	<0.01	9.1	<0.01	4
1274812	1	11.4	88	0.02	2.8	430	<0.01	94.7	<0.01	<1
1274813	<1	0.06	1340	0.01	1.7	70	0.02	21.6	<0.01	2
1274814	<1	0.05	725	0.01	2.7	270	<0.01	358	<0.01	3
1274815	1	0.02	237	0.02	2.9	70	0.02	9.2	<0.01	2
1274816	<1	0.03	79	0.06	1.3	120	<0.01	3.4	<0.01	3
1274817	<1	0.02	167	0.06	2.0	100	<0.01	9.4	<0.01	3
1274818	6	0.18	246	0.06	3.1	410	<0.01	8.3	0.05	19
1274819	19	1.08	523	0.15	12.2	1020	0.07	63.8	0.23	95
1274820	47	3.86	668	0.11	16.2	1990	0.08	114	0.02	232
1274821	6	0.51	476	0.04	9.9	860	0.15	23.3	<0.01	51
1274822	<1	2.27	182	0.01	5.8	110	<0.01	245	<0.01	8
1274823	19	3.32	1180	0.42	22.1	450	0.09	424	0.04	234
1274824	15	1.61	284	0.25	34.6	2600	0.07	121	0.42	131
1274825	8	0.16	833	0.02	191	480	0.03	15.7	0.24	213
1274826	13	0.78	194	0.26	13.2	890	0.50	108	0.22	99
1274827	36	1.31	544	0.09	19.0	990	0.39	45.6	0.23	106
1274828	1	0.07	542	0.02	1.8	430	<0.01	8.2	<0.01	4
1274829	<1	0.02	44	0.05	1.4	300	0.16	16.3	<0.01	4
1274830	7	0.55	319	0.06	20.6	510	0.04	28.4	0.10	46
1274831	8	0.37	282	0.12	26.0	1220	0.21	79.7	0.19	45
1274832	3	0.36	407	0.11	11.1	790	<0.01	70.7	0.17	46
1274833	44	4.09	1280	0.09	137	980	0.39	635	<0.01	103
1274834	13	0.81	350	0.05	11.5	900	<0.01	58.5	<0.01	42
1274835	8	0.58	415	0.08	29.4	530	0.65	37.2	0.10	51
1274836	9	0.86	672	0.05	127	900	0.03	122	0.02	92
1274837	32	1.56	2150	0.05	200	610	0.10	272	0.05	97
1274838	9	0.86	848	0.03	19.4	1470	0.29	214	<0.01	21

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Final : VC111254 Order: CRISPIN STUDER-PIKA EXPLORATION

Element	Zn	Zr	Ag	As	Be	Bi	Cd	Ce	Co	Cs
Method	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B
Det.Lim.	1	0.5	0.01	1	0.1	0.02	0.01	0.05	0.1	0.05
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1274801	77	1.5	6.05	5	0.2	0.04	0.37	7.40	0.6	0.40
1274802	187	2.6	1.82	8	0.5	0.10	0.66	12.3	1.5	0.74
1274803	237	2.3	8.62	25	0.6	0.07	2.65	18.6	1.9	0.90
1274804	180	2.4	1.42	5	0.8	0.14	0.60	19.8	2.2	0.72
1274805	84	2.4	1.72	9	0.6	0.22	0.29	22.2	1.6	0.40
1274806	116	2.4	9.39	20	0.4	0.12	2.14	12.0	1.1	0.37
1274807	246	1.7	3.07	19	0.4	0.07	0.85	15.6	1.3	0.37
1274808	332	2.2	>10	70	0.7	0.06	6.11	9.74	0.8	0.90
1274809	59	1.6	>10	22	0.2	0.11	0.46	6.10	1.3	0.34
1274810	19	18.9	0.17	<1	0.3	0.36	0.06	58.3	0.5	0.27
1274811	25	7.5	0.62	1	0.8	0.28	0.21	25.0	4.3	1.04
1274812	21	0.6	0.02	<1	<0.1	<0.02	0.95	0.61	0.6	<0.05
1274813	93	3.9	0.66	3	0.9	0.07	1.08	9.56	1.8	0.95
1274814	112	8.7	2.80	7	1.8	7.98	1.46	35.5	5.7	2.60
1274815	146	5.1	0.52	1	1.1	0.24	0.56	19.5	1.7	1.75
1274816	24	4.9	0.04	<1	0.2	0.27	0.03	63.0	0.8	0.60
1274817	16	18.0	0.13	2	0.5	0.91	0.06	38.0	1.0	0.66
1274818	28	6.4	0.04	1	0.6	0.13	0.06	47.3	2.6	0.62
1274819	188	6.9	0.27	9	0.4	0.21	0.67	23.9	9.5	1.08
1274820	90	4.2	0.06	1	0.3	0.02	0.15	22.0	27.6	0.93
1274821	51	4.6	0.10	8	0.3	0.24	0.27	40.5	10.3	0.95
1274822	19	0.6	<0.01	<1	0.3	<0.02	0.13	1.38	1.0	<0.05
1274823	64	3.4	0.06	3	0.2	0.10	0.15	5.39	25.2	2.59
1274824	60	12.5	0.06	6	0.4	0.03	0.09	67.2	16.6	1.99
1274825	153	42.2	0.20	5	0.6	0.16	0.10	39.3	68.4	1.31
1274826	52	4.5	0.15	16	0.5	0.25	0.12	22.5	7.5	2.41
1274827	93	10.3	0.17	19	0.8	0.26	0.36	19.2	11.5	0.55
1274828	34	7.2	0.04	21	1.8	0.26	0.08	68.0	2.7	7.87
1274829	24	11.3	0.07	12	0.5	0.33	0.05	80.5	0.9	1.20
1274830	34	8.4	0.16	4	0.2	0.04	0.14	9.13	6.8	0.30
1274831	22	6.5	0.04	10	0.3	0.35	0.07	25.8	7.2	0.80
1274832	34	7.4	0.10	5	0.3	0.05	0.20	20.9	7.2	1.16
1274833	56	6.2	0.06	7	0.8	0.11	0.10	27.3	29.9	0.97
1274834	68	1.5	0.08	15	0.7	0.26	0.20	26.5	10.1	3.98
1274835	55	9.1	2.65	13	0.2	1.20	0.41	9.86	9.7	0.36
1274836	187	6.8	0.71	50	0.8	0.11	1.65	26.3	11.2	3.24
1274837	1190	6.8	1.03	25	0.7	0.14	6.74	17.3	16.0	1.62
1274838	81	3.6	0.16	25	0.5	<0.02	0.32	35.5	11.2	6.49

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Final : VC111254 Order: CRISPIN STUDER-PIKA EXPLORATION

Element	Ga	Ge	Hf	Hg	In	La	Lu	Mo	Nb	Pb
Method	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B
Det.Lim.	0.1	0.1	0.05	0.01	0.02	0.1	0.01	0.05	0.05	0.2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1274801	0.5	<0.1	0.06	0.05	<0.02	4.2	<0.01	5.17	0.29	246
1274802	0.9	<0.1	0.08	0.15	<0.02	6.8	0.02	16.9	0.18	165
1274803	1.0	<0.1	0.06	0.80	<0.02	10.2	0.02	23.6	0.14	1470
1274804	1.0	<0.1	0.07	0.05	<0.02	10.7	0.02	5.67	0.12	152
1274805	0.8	<0.1	0.07	0.06	<0.02	12.1	0.02	6.92	0.17	165
1274806	0.8	<0.1	0.07	0.25	<0.02	6.7	0.01	16.3	0.13	948
1274807	0.8	<0.1	0.06	0.55	0.02	8.6	0.01	25.3	0.11	964
1274808	0.9	<0.1	<0.05	1.21	0.02	5.4	0.02	42.0	0.11	6550
1274809	0.6	<0.1	<0.05	0.07	<0.02	3.3	<0.01	12.5	0.23	299
1274810	1.7	<0.1	0.74	0.01	<0.02	26.6	0.17	1.15	1.98	35.5
1274811	0.7	<0.1	0.22	0.04	<0.02	13.1	0.05	113	0.11	62.5
1274812	<0.1	<0.1	<0.05	<0.01	<0.02	1.9	0.03	0.63	0.12	2.4
1274813	0.4	<0.1	0.12	0.01	<0.02	4.9	0.13	18.1	0.13	186
1274814	0.9	<0.1	0.30	0.12	0.07	18.6	0.13	46.4	0.07	242
1274815	0.8	<0.1	0.19	0.02	0.02	10.1	0.06	22.0	0.09	167
1274816	1.4	<0.1	0.24	<0.01	<0.02	35.1	0.13	1.85	0.84	18.6
1274817	1.1	<0.1	0.66	<0.01	<0.02	21.0	0.12	1.07	0.25	9.1
1274818	2.6	0.1	0.28	<0.01	0.02	23.9	0.14	2.40	1.25	16.5
1274819	8.7	0.1	0.25	<0.01	0.11	10.8	0.15	1.83	1.22	8.9
1274820	11.0	0.1	0.08	<0.01	0.04	10.0	0.12	0.39	0.08	2.0
1274821	3.4	<0.1	0.16	<0.01	<0.02	20.9	0.14	3.10	0.11	10.6
1274822	0.2	<0.1	<0.05	<0.01	<0.02	2.2	0.03	1.04	0.13	1.6
1274823	12.4	<0.1	<0.05	<0.01	0.06	2.8	0.05	0.34	0.06	2.4
1274824	9.8	0.2	0.24	<0.01	0.02	32.3	0.16	1.95	1.88	5.0
1274825	20.8	0.1	0.87	0.03	0.09	18.8	0.12	1.58	2.27	20.0
1274826	8.3	0.1	0.14	<0.01	0.03	10.8	0.09	2.10	1.03	4.1
1274827	12.3	0.3	0.32	<0.01	0.03	9.6	0.13	3.37	0.65	11.4
1274828	1.4	<0.1	0.23	0.07	<0.02	34.4	0.18	2.66	0.09	28.7
1274829	1.8	<0.1	0.45	0.05	0.03	44.6	0.08	6.16	0.11	10.9
1274830	3.6	<0.1	0.21	0.04	<0.02	4.3	0.07	3.83	0.38	1.9
1274831	4.3	0.1	0.25	<0.01	0.03	12.9	0.09	1.12	1.62	3.0
1274832	3.1	<0.1	0.27	<0.01	<0.02	10.8	0.07	0.52	0.93	7.5
1274833	6.7	<0.1	0.11	<0.01	0.05	13.2	0.14	0.44	0.08	3.4
1274834	4.3	<0.1	<0.05	<0.01	0.03	13.0	0.14	0.36	0.10	10.6
1274835	4.0	<0.1	0.14	0.18	0.04	4.7	0.08	417	0.36	5.8
1274836	2.8	<0.1	0.21	<0.01	0.04	15.1	0.22	12.3	0.16	12.8
1274837	6.6	<0.1	0.20	0.04	0.06	10.1	0.17	8.87	0.18	837
1274838	2.9	<0.1	0.07	0.02	0.02	17.8	0.08	1.85	0.05	15.3

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Final : VC111254 Order: CRISPIN STUDER-PIKA EXPLORATION

Element	Rb	Sb	Sc	Se	Sn	Ta	Tb	Te	Th	Tl
Method	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B	ICM14B
Det.Lim.	0.2	0.05	0.1	1	0.3	0.05	0.02	0.05	0.1	0.02
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1274801	4.2	23.2	0.4	<1	<0.3	<0.05	0.03	<0.05	1.3	0.04
1274802	8.1	30.8	1.5	<1	<0.3	<0.05	0.07	<0.05	1.6	0.08
1274803	8.2	126	1.7	<1	<0.3	<0.05	0.10	<0.05	2.0	0.08
1274804	8.4	33.2	1.6	<1	<0.3	<0.05	0.09	0.22	3.0	0.08
1274805	6.0	43.5	0.4	<1	<0.3	<0.05	0.08	0.16	5.3	0.05
1274806	5.8	93.9	0.4	<1	<0.3	<0.05	0.05	<0.05	2.4	0.05
1274807	4.7	56.7	0.4	<1	<0.3	<0.05	0.07	<0.05	4.3	0.04
1274808	7.4	335	1.6	<1	<0.3	<0.05	0.06	<0.05	0.7	0.07
1274809	4.1	109	0.2	<1	<0.3	<0.05	0.03	<0.05	1.8	0.04
1274810	6.5	1.79	0.4	<1	<0.3	<0.05	0.38	<0.05	31.0	0.05
1274811	3.5	6.10	1.0	<1	<0.3	<0.05	0.13	<0.05	11.2	0.06
1274812	<0.2	0.36	0.2	<1	<0.3	<0.05	0.05	<0.05	0.2	<0.02
1274813	2.4	15.7	0.9	<1	<0.3	<0.05	0.24	<0.05	3.7	0.07
1274814	5.8	40.1	1.4	<1	<0.3	<0.05	0.37	0.08	12.2	0.08
1274815	5.2	5.19	0.6	<1	<0.3	<0.05	0.15	<0.05	6.5	0.06
1274816	4.8	0.38	0.7	<1	0.4	<0.05	0.31	<0.05	33.7	0.05
1274817	5.5	0.38	1.0	<1	<0.3	<0.05	0.27	<0.05	25.0	0.05
1274818	4.5	0.25	1.7	<1	1.8	<0.05	0.33	<0.05	25.7	0.04
1274819	16.1	0.39	9.3	<1	0.7	<0.05	0.40	<0.05	5.9	0.13
1274820	3.3	0.08	15.1	<1	<0.3	<0.05	0.39	<0.05	1.4	0.03
1274821	11.7	0.36	4.7	<1	<0.3	<0.05	0.35	0.05	13.6	0.10
1274822	0.5	0.17	0.3	<1	<0.3	<0.05	0.07	<0.05	0.2	<0.02
1274823	15.1	0.31	14.4	<1	<0.3	<0.05	0.12	<0.05	0.3	0.23
1274824	59.2	0.52	6.5	<1	1.1	<0.05	0.65	<0.05	15.4	0.42
1274825	8.5	0.44	40.2	<1	2.1	<0.05	0.44	<0.05	7.2	0.11
1274826	32.2	0.76	8.3	<1	0.8	<0.05	0.30	0.14	4.5	0.24
1274827	3.6	1.11	10.0	<1	0.7	<0.05	0.33	0.09	4.2	0.05
1274828	10.6	1.44	1.0	<1	<0.3	<0.05	0.48	<0.05	25.2	0.13
1274829	7.9	1.52	1.6	<1	<0.3	<0.05	0.35	<0.05	23.0	0.10
1274830	2.9	0.22	3.8	<1	<0.3	<0.05	0.22	<0.05	1.0	0.05
1274831	20.0	0.36	2.4	<1	1.3	<0.05	0.31	<0.05	3.1	0.23
1274832	11.1	0.45	3.7	<1	0.8	<0.05	0.24	<0.05	3.4	0.08
1274833	5.1	0.28	19.7	<1	<0.3	<0.05	0.47	<0.05	1.0	0.04
1274834	10.9	0.42	6.4	<1	<0.3	<0.05	0.37	<0.05	3.8	0.10
1274835	3.8	1.24	3.9	1	0.4	<0.05	0.23	0.29	1.1	0.09
1274836	6.7	2.55	9.5	<1	0.3	<0.05	0.43	<0.05	4.4	0.13
1274837	4.7	1.54	8.0	2	0.5	<0.05	0.33	0.06	3.0	0.12
1274838	10.3	0.75	3.1	<1	<0.3	<0.05	0.43	<0.05	3.2	0.06

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Final : VC111254 Order: CRISPIN STUDER-PIKA EXPLORATION

Element	U	W	Y	Yb	Ag
Method	ICM14B	ICM14B	ICM14B	ICM14B	AAS42E
Det.Lim.	0.05	0.1	0.05	0.1	0.3
Units	ppm	ppm	ppm	ppm	g/t
1274801	3.53	<0.1	0.50	<0.1	N.A.
1274802	4.73	<0.1	0.94	<0.1	N.A.
1274803	5.83	<0.1	1.24	0.1	N.A.
1274804	3.91	<0.1	1.19	0.1	N.A.
1274805	3.40	<0.1	1.05	<0.1	N.A.
1274806	3.85	<0.1	0.69	<0.1	N.A.
1274807	4.78	<0.1	0.95	<0.1	N.A.
1274808	5.76	<0.1	0.77	<0.1	17.4
1274809	3.62	<0.1	0.46	<0.1	16.5
1274810	2.88	0.2	9.57	1.2	N.A.
1274811	1.07	<0.1	3.25	0.4	N.A.
1274812	0.44	<0.1	4.66	0.2	N.A.
1274813	8.01	<0.1	9.56	0.9	N.A.
1274814	1.82	<0.1	11.0	1.0	N.A.
1274815	2.59	<0.1	3.88	0.4	N.A.
1274816	5.74	0.5	7.58	0.9	N.A.
1274817	2.20	0.1	7.22	0.9	N.A.
1274818	3.55	0.6	9.84	1.0	N.A.
1274819	1.40	0.5	12.5	1.1	N.A.
1274820	0.41	<0.1	10.6	0.9	N.A.
1274821	1.96	<0.1	9.27	1.0	N.A.
1274822	0.34	<0.1	3.78	0.2	N.A.
1274823	0.07	<0.1	3.39	0.3	N.A.
1274824	2.05	0.8	16.0	1.2	N.A.
1274825	1.19	0.1	7.99	0.9	N.A.
1274826	1.40	0.5	8.30	0.7	N.A.
1274827	1.28	0.8	9.91	0.9	N.A.
1274828	5.38	<0.1	12.3	1.3	N.A.
1274829	3.75	0.1	5.63	0.6	N.A.
1274830	0.27	11.4	6.20	0.5	N.A.
1274831	0.63	0.8	8.66	0.7	N.A.
1274832	0.82	0.5	6.88	0.6	N.A.
1274833	0.23	<0.1	12.9	1.0	N.A.
1274834	1.24	<0.1	10.3	1.0	N.A.
1274835	0.34	27.8	6.63	0.6	N.A.
1274836	1.96	0.2	15.5	1.5	N.A.
1274837	1.59	0.3	12.0	1.2	N.A.
1274838	0.54	<0.1	8.98	0.6	N.A.

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Appendix 4 – Assay certificate for soil samples

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **Pika Exploration Inc**
Box 218
Carcross Yukon Y0B 1B0 Canada

Submitted By:	Crispin Studer
Receiving Lab:	Canada-Whitehorse
Received:	August 30, 2011
Report Date:	November 01, 2011
Page:	1 of 12

CERTIFICATE OF ANALYSIS WHI11001386.1

CLIENT JOB INFORMATION

Project:	Dogmatic
Shipment ID:	
P.O. Number	
Number of Samples:	313

SAMPLE DISPOSAL

STOR-PLP	Store After 90 days Invoice for Storage
STOR-RJT	Store After 90 days Invoice for Storage

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	313	Dry at 60C sieve 100g to -80 mesh			VAN
1F03	313	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
RJSV	309	Saving all or part of Soil Reject			WHI

ADDITIONAL COMMENTS

Invoice To: Pika Exploration Inc
Box 218
Carcross Yukon Y0B 1B0
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Pika Exploration Inc**
Box 218
Carcross Yukon Y0B 1B0 Canada

Project: Dogmatic
Report Date: November 01, 2011

CERTIFICATE OF ANALYSIS WHI11001386.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1274851	Soil	0.67	25.75	20.89	64.6	84	16.5	7.5	512	2.11	6.3	4.6	5.1	7.1	34.0	0.27	0.72	0.30	43	0.54	0.081
1274852	Soil	1.07	16.62	16.92	49.7	28	15.0	7.2	438	2.26	8.4	1.6	2.2	3.0	13.0	0.20	0.69	0.29	44	0.12	0.043
1274853	Soil	0.85	13.24	16.13	34.6	45	7.4	2.9	293	1.23	2.4	2.3	1.4	0.5	13.6	0.13	0.43	0.20	21	0.11	0.081
1274854	Soil	1.76	19.15	25.29	61.9	119	11.5	8.0	2346	2.14	6.1	4.8	1.7	1.0	19.4	0.38	0.67	0.28	37	0.19	0.116
1274855	Soil	1.85	11.50	18.97	45.2	85	4.3	3.5	277	1.87	2.4	9.4	1.5	3.1	9.5	0.19	1.81	0.24	16	0.07	0.084
1274856	Soil	8.64	12.89	55.69	64.0	117	8.0	8.6	1512	2.80	4.9	8.9	1.1	2.3	12.6	0.24	0.90	0.30	35	0.12	0.110
1274857	Soil	1.36	18.59	22.16	53.4	48	15.8	6.4	350	2.63	7.1	13.6	1.1	3.9	13.4	0.11	0.56	0.28	47	0.15	0.081
1274858	Soil	1.35	23.93	26.82	65.3	59	18.8	8.8	544	2.83	7.6	19.3	3.7	4.5	15.8	0.11	0.84	0.30	46	0.16	0.093
1274859	Soil	1.48	12.57	11.63	48.1	31	9.3	4.1	1031	2.06	6.4	1.2	2.8	5.8	11.1	0.14	0.81	0.26	45	0.08	0.044
1274860	Soil	1.55	12.60	19.26	48.3	78	12.8	5.9	306	2.52	7.5	4.2	2.1	5.8	13.9	0.14	0.70	0.33	55	0.13	0.065
1274861	Soil	1.25	14.41	24.99	47.5	53	13.9	5.8	255	2.36	7.7	2.6	2.4	6.7	14.6	0.15	0.73	0.27	51	0.15	0.060
1274862	Soil	0.72	14.75	12.16	38.5	45	10.6	6.2	429	1.79	4.6	1.5	1.6	3.1	16.5	0.14	0.52	0.15	39	0.20	0.062
1274863	Soil	0.97	25.12	18.20	55.3	114	16.1	7.9	471	2.45	6.7	3.9	2.0	2.5	27.6	0.12	0.72	0.21	51	0.34	0.094
1274864	Soil	0.71	18.88	12.44	45.5	61	12.5	6.6	380	2.11	5.7	2.0	3.7	7.6	16.7	0.20	0.73	0.14	42	0.27	0.082
1274865	Soil	1.09	17.48	15.31	52.4	76	12.7	5.8	341	2.23	5.7	2.4	3.8	4.4	25.7	0.26	0.72	0.19	46	0.32	0.086
1274866	Soil	0.90	10.49	15.54	42.6	53	4.9	3.6	303	1.87	2.0	7.7	1.2	25.6	15.5	0.16	0.56	0.12	24	0.21	0.064
1274867	Soil	1.76	11.33	17.77	40.8	73	8.1	3.7	201	2.20	5.2	2.1	1.5	4.9	11.1	0.18	0.96	0.25	42	0.09	0.064
1274868	Soil	0.83	12.44	12.42	36.2	47	9.4	5.1	188	2.04	5.5	1.2	2.0	7.9	12.6	0.23	0.58	0.17	43	0.17	0.055
1274869	Soil	1.05	16.31	14.87	37.1	49	16.6	6.4	240	2.27	5.5	3.1	1.6	2.9	16.0	0.16	0.85	0.19	51	0.19	0.084
1274870	Soil	1.25	24.51	26.72	77.1	121	18.0	9.2	527	3.12	6.7	16.3	2.6	2.1	24.7	0.10	0.68	0.28	64	0.22	0.119
1274871	Soil	1.04	27.35	38.47	80.4	160	20.4	11.9	596	3.23	6.6	8.5	2.2	2.3	23.1	0.12	0.64	0.24	73	0.20	0.111
1274872	Soil	1.03	13.62	18.09	66.4	54	9.6	5.5	439	2.07	4.3	3.3	2.6	0.5	14.8	0.27	0.47	0.20	38	0.15	0.081
1274873	Soil	1.16	22.98	25.87	66.8	93	17.2	7.7	543	2.69	8.9	4.6	2.6	2.6	20.6	0.10	0.65	0.28	52	0.20	0.092
1274874	Soil	1.09	21.47	19.71	57.1	50	16.9	7.7	501	2.49	9.2	5.3	3.2	3.6	16.7	0.06	0.61	0.24	46	0.18	0.080
1274875	Soil	0.68	22.87	15.50	57.8	74	17.1	7.4	405	2.21	7.3	2.2	5.5	5.0	23.9	0.23	0.65	0.20	45	0.27	0.078
1274876	Soil	0.64	23.82	15.36	62.8	78	18.1	6.9	378	2.34	6.8	3.0	2.6	9.7	27.9	0.18	0.60	0.21	46	0.38	0.089
1274877	Soil	0.52	15.47	12.36	39.1	80	10.8	5.7	387	1.76	4.8	2.5	2.3	8.5	21.5	0.16	0.50	0.28	36	0.30	0.064
1274878	Soil	0.72	17.90	16.52	63.4	57	14.2	7.0	444	2.35	6.1	3.3	2.4	6.3	27.9	0.19	0.46	0.22	48	0.27	0.084
1274879	Soil	0.60	17.30	13.69	52.0	54	12.0	5.9	359	1.94	4.5	2.1	2.7	7.7	22.3	0.23	0.48	0.18	39	0.33	0.073
1274880	Rock Pulp	4.04	25.33	2.52	37.1	229	21.8	7.6	322	2.01	3.3	0.3	3.0	1.1	31.1	0.18	0.31	0.07	46	0.66	0.056

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Project: Dogmatic
Report Date: November 01, 2011

CERTIFICATE OF ANALYSIS WHI11001386.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1274851	Soil	27.1	29.0	0.51	221.6	0.057	2	1.47	0.018	0.10	0.2	3.7	0.11	0.03	23	0.2	0.03	4.9
1274852	Soil	14.0	25.4	0.42	102.1	0.051	2	1.47	0.006	0.07	0.3	2.3	0.12	0.02	20	0.2	0.02	6.0
1274853	Soil	16.1	14.2	0.21	133.2	0.019	1	0.86	0.020	0.06	0.1	0.8	0.07	0.05	29	0.1	<0.02	3.2
1274854	Soil	17.6	21.5	0.33	330.3	0.020	2	1.57	0.018	0.10	0.2	1.6	0.18	0.09	28	0.3	0.02	5.7
1274855	Soil	54.6	10.1	0.14	144.9	0.004	1	0.96	0.005	0.07	0.1	0.7	0.09	0.03	19	<0.1	<0.02	2.5
1274856	Soil	25.8	17.6	0.20	216.8	0.012	<1	1.05	0.006	0.08	0.2	1.9	0.17	0.06	21	<0.1	<0.02	4.1
1274857	Soil	25.1	31.2	0.49	165.2	0.031	1	2.12	0.006	0.07	0.2	3.2	0.15	0.03	15	0.4	0.03	6.4
1274858	Soil	48.8	32.4	0.53	287.0	0.026	1	2.14	0.007	0.09	0.3	4.0	0.16	0.03	20	0.2	0.02	6.0
1274859	Soil	13.4	20.7	0.25	84.2	0.067	1	0.91	0.006	0.08	0.3	2.1	0.08	<0.02	39	0.2	<0.02	5.7
1274860	Soil	21.6	30.8	0.40	114.4	0.074	1	1.81	0.005	0.05	0.4	3.1	0.13	0.02	35	0.2	<0.02	6.9
1274861	Soil	17.1	29.5	0.41	102.8	0.075	2	1.62	0.006	0.05	0.4	3.0	0.13	<0.02	32	0.3	0.04	6.4
1274862	Soil	18.0	19.5	0.33	97.6	0.051	1	1.02	0.011	0.06	0.2	2.0	0.06	<0.02	17	<0.1	<0.02	3.3
1274863	Soil	29.7	28.9	0.53	256.1	0.039	1	1.85	0.018	0.10	0.2	3.1	0.14	0.05	21	0.1	0.02	5.9
1274864	Soil	23.1	22.4	0.35	142.5	0.049	<1	1.27	0.011	0.07	0.2	3.1	0.07	<0.02	10	0.2	<0.02	3.8
1274865	Soil	22.0	23.9	0.40	171.6	0.041	1	1.23	0.012	0.09	0.3	2.7	0.09	0.05	26	0.1	<0.02	4.9
1274866	Soil	52.3	9.8	0.21	202.6	0.020	1	0.76	0.010	0.06	0.2	2.8	0.04	<0.02	16	<0.1	<0.02	2.6
1274867	Soil	20.2	18.6	0.28	65.3	0.041	<1	1.21	0.005	0.07	0.3	1.9	0.09	0.03	69	0.2	0.02	5.5
1274868	Soil	16.1	18.4	0.27	91.9	0.055	<1	1.34	0.008	0.06	0.3	2.3	0.06	<0.02	30	0.1	0.02	4.6
1274869	Soil	20.8	31.1	0.49	127.0	0.060	1	1.83	0.007	0.06	0.2	2.6	0.10	0.04	28	0.3	<0.02	4.6
1274870	Soil	47.7	37.0	0.69	422.1	0.033	1	2.78	0.009	0.08	0.2	4.0	0.18	0.07	23	0.2	<0.02	7.4
1274871	Soil	31.3	40.5	0.88	408.7	0.037	<1	2.96	0.015	0.09	0.1	4.4	0.17	0.06	26	0.2	0.03	8.1
1274872	Soil	16.5	19.9	0.34	121.5	0.011	<1	1.33	0.008	0.07	0.1	0.6	0.08	0.04	18	0.3	<0.02	4.2
1274873	Soil	26.5	33.5	0.55	210.5	0.034	1	2.19	0.009	0.10	0.3	3.3	0.15	0.04	22	0.2	<0.02	6.9
1274874	Soil	25.5	29.6	0.48	149.5	0.044	<1	1.98	0.007	0.07	0.3	3.4	0.14	0.02	9	0.2	0.03	5.9
1274875	Soil	21.7	29.7	0.50	152.7	0.061	1	1.64	0.015	0.09	0.2	3.5	0.12	0.03	19	0.2	0.04	5.4
1274876	Soil	25.3	30.4	0.54	170.7	0.067	1	1.54	0.015	0.11	0.2	4.1	0.10	<0.02	12	0.3	<0.02	4.9
1274877	Soil	22.3	20.4	0.33	111.7	0.054	1	0.97	0.016	0.07	0.2	2.9	0.07	<0.02	16	0.1	0.04	3.2
1274878	Soil	26.6	24.8	0.52	219.8	0.049	1	1.65	0.014	0.07	0.2	3.3	0.11	0.03	15	0.2	<0.02	5.2
1274879	Soil	22.6	22.6	0.37	146.2	0.049	<1	1.26	0.015	0.08	0.2	3.0	0.08	<0.02	12	0.1	<0.02	4.0
1274880	Rock Pulp	5.1	32.9	0.50	75.6	0.109	4	1.05	0.053	0.06	9.3	3.7	0.05	0.04	18	0.3	0.03	3.8

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Project: Dogmatic
Report Date: November 01, 2011

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Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1274881	Soil	0.74	19.61	17.03	63.1	41	15.7	6.8	424	2.34	6.4	2.2	1.6	4.2	20.3	0.12	0.52	0.21	45	0.23	0.076
1274882	Soil	1.24	32.91	60.50	110.9	154	18.3	9.4	635	3.04	7.0	11.2	2.2	2.9	28.7	0.35	0.78	0.24	62	0.33	0.099
1274883	Soil	0.75	23.96	18.16	70.2	58	16.9	8.0	587	2.38	7.2	2.7	1.6	3.3	23.7	0.18	0.56	0.25	45	0.27	0.092
1274884	Soil	0.61	18.96	14.59	58.3	42	13.0	6.1	400	2.00	5.7	2.1	1.3	2.3	18.2	0.15	0.47	0.21	39	0.20	0.082
1274885	Soil	1.00	22.69	20.38	65.2	58	15.8	8.1	549	2.54	8.1	3.5	2.0	3.4	15.1	0.14	0.78	0.22	46	0.18	0.082
1274886	Soil	0.69	14.64	15.41	45.9	33	11.6	5.8	350	2.02	5.1	1.8	2.8	9.9	18.4	0.17	0.53	0.16	42	0.25	0.078
1274887	Soil	0.63	15.05	14.89	42.8	27	10.7	7.2	433	1.90	4.6	1.8	4.2	9.0	21.1	0.20	0.62	0.19	40	0.27	0.070
1274888	Soil	1.00	15.63	38.88	46.5	71	11.0	6.4	438	1.96	5.3	2.3	5.4	12.3	19.9	0.24	0.75	0.21	38	0.26	0.076
1274889	Soil	0.77	15.66	15.87	42.3	88	9.6	5.9	344	1.81	5.2	1.6	13.8	3.7	21.0	0.16	0.71	0.18	38	0.26	0.071
1274890	Soil	1.61	12.49	19.13	45.5	30	9.9	4.5	180	2.40	6.3	1.4	1.7	7.4	11.1	0.20	0.97	0.25	49	0.11	0.042
1274891	Soil	0.54	11.15	10.49	30.6	50	8.4	4.4	249	1.44	3.7	1.5	1.4	5.7	9.1	0.19	0.55	0.13	26	0.13	0.047
1274892	Soil	1.25	18.57	20.87	62.9	60	15.1	7.4	559	2.34	6.4	1.9	2.2	4.5	24.8	0.38	0.89	0.22	46	0.30	0.088
1274893	Soil	0.79	18.33	12.04	56.0	78	12.1	5.2	289	2.07	8.1	1.3	4.8	0.4	25.1	0.24	0.58	0.25	46	0.31	0.084
1274894	Soil	1.17	18.79	28.86	64.2	72	11.4	8.3	510	2.85	4.7	3.3	2.6	5.4	33.3	0.14	0.83	0.21	55	0.61	0.096
1274895	Soil	0.95	18.49	19.86	61.3	50	13.5	7.6	549	2.37	5.9	2.6	5.5	5.0	22.2	0.15	0.59	0.23	43	0.30	0.072
1274896	Soil	0.79	22.04	18.84	69.6	89	14.0	6.8	459	2.18	5.1	3.2	2.2	6.8	29.2	0.25	0.64	0.20	39	0.46	0.075
1274897	Soil	0.72	18.02	18.02	61.9	72	13.7	6.6	433	1.95	4.9	2.3	7.3	7.6	24.0	0.19	0.58	0.20	38	0.38	0.067
1274898	Soil	0.74	24.82	18.88	63.6	109	15.9	6.6	480	2.15	5.9	2.9	1.5	5.3	29.8	0.15	0.65	0.21	38	0.43	0.078
1274899	Soil	0.68	21.29	15.31	55.5	91	12.5	6.0	335	1.99	5.5	2.7	1.9	7.1	29.5	0.17	0.65	0.20	38	0.55	0.069
1274900	Soil	0.67	20.45	16.31	56.5	84	12.8	6.3	355	2.13	5.5	2.6	1.3	8.1	27.9	0.17	0.61	0.19	41	0.52	0.070
1274901	Soil	0.37	13.58	7.83	33.0	66	7.2	3.7	189	1.21	3.0	1.5	0.8	3.3	17.6	0.08	0.32	0.11	24	0.24	0.050
1274902	Soil	0.67	18.15	16.45	50.9	58	13.7	7.0	439	2.05	5.5	2.1	4.0	4.6	21.5	0.12	0.52	0.20	39	0.31	0.071
1274903	Soil	0.67	18.76	14.91	57.7	59	13.4	6.3	377	2.10	5.5	2.3	4.2	8.4	21.8	0.20	0.54	0.20	40	0.34	0.069
1274904	Soil	0.73	23.08	19.81	68.0	58	16.0	7.0	383	2.40	6.8	2.9	3.1	9.5	26.4	0.19	0.62	0.22	44	0.44	0.076
1274905	Soil	0.57	17.64	12.81	49.1	64	11.8	5.6	327	1.88	5.2	2.0	2.1	8.3	23.5	0.21	0.59	0.17	38	0.43	0.072
1274906	Soil	0.78	23.14	18.03	57.7	81	14.8	5.8	308	2.11	5.7	3.0	4.6	9.9	27.0	0.14	0.59	0.18	38	0.53	0.057
1274907	Soil	0.66	16.99	15.62	48.7	55	13.4	7.3	500	2.00	5.1	1.8	2.4	12.4	24.5	0.27	0.55	0.16	38	0.41	0.068
1274908	Soil	0.97	27.77	29.49	68.0	91	18.2	8.6	626	2.77	7.1	4.8	2.4	11.7	31.4	0.12	0.67	0.39	49	0.40	0.072
1274909	Soil	0.63	18.67	14.19	49.3	82	13.2	5.4	295	1.92	4.7	2.7	5.4	10.0	24.2	0.12	0.50	0.24	36	0.45	0.064
1274910	Rock Pulp	3.62	24.71	2.37	34.7	206	20.3	7.2	299	1.85	3.1	0.3	1.0	1.0	26.9	0.16	0.29	0.08	41	0.59	0.050

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1274881	Soil	21.1	28.0	0.46	177.6	0.041	<1	1.86	0.012	0.09	0.2	2.9	0.13	0.03	6	0.2	<0.02	5.7
1274882	Soil	28.2	35.0	0.70	421.6	0.032	1	2.51	0.015	0.11	0.2	4.0	0.13	0.04	30	0.2	0.02	6.9
1274883	Soil	23.6	29.1	0.52	208.3	0.043	1	2.00	0.017	0.10	0.2	3.1	0.14	0.05	21	0.3	0.03	6.1
1274884	Soil	19.2	23.9	0.40	164.3	0.037	1	1.62	0.013	0.08	0.2	2.4	0.12	0.04	14	0.2	<0.02	5.3
1274885	Soil	26.6	29.7	0.46	182.2	0.033	<1	1.95	0.009	0.09	0.3	3.0	0.13	0.03	22	0.3	0.03	5.8
1274886	Soil	23.0	21.8	0.33	119.9	0.054	<1	1.18	0.010	0.06	0.3	2.5	0.07	<0.02	12	<0.1	<0.02	3.9
1274887	Soil	26.1	20.7	0.38	152.5	0.052	1	1.10	0.013	0.06	0.2	3.0	0.07	<0.02	15	<0.1	<0.02	3.1
1274888	Soil	26.2	20.8	0.34	130.7	0.059	1	1.06	0.012	0.07	0.3	2.7	0.08	<0.02	15	0.2	<0.02	3.3
1274889	Soil	18.1	19.7	0.33	115.5	0.047	1	1.08	0.012	0.07	0.3	2.3	0.07	<0.02	27	0.1	0.02	3.4
1274890	Soil	15.4	21.3	0.29	88.3	0.070	<1	1.04	0.006	0.08	0.3	2.4	0.08	<0.02	26	0.2	0.03	5.6
1274891	Soil	16.6	13.7	0.23	101.2	0.031	<1	0.84	0.007	0.05	0.1	1.8	0.05	<0.02	14	0.1	<0.02	2.4
1274892	Soil	18.4	27.1	0.42	137.0	0.056	1	1.30	0.012	0.10	0.3	2.7	0.09	0.04	47	0.2	<0.02	4.7
1274893	Soil	17.2	26.5	0.42	140.2	0.036	1	1.43	0.010	0.09	0.3	1.4	0.10	0.04	19	0.1	0.02	5.3
1274894	Soil	29.2	21.3	0.45	634.1	0.029	1	1.76	0.013	0.14	0.2	5.5	0.10	0.05	38	0.5	<0.02	5.4
1274895	Soil	22.7	28.0	0.46	265.4	0.031	<1	1.69	0.011	0.11	0.2	3.3	0.11	0.03	25	0.2	<0.02	5.0
1274896	Soil	25.4	25.3	0.43	237.0	0.037	1	1.53	0.015	0.10	0.2	3.7	0.10	0.03	25	0.2	<0.02	4.7
1274897	Soil	22.2	25.5	0.44	181.8	0.048	<1	1.39	0.014	0.09	0.3	3.3	0.09	0.02	19	0.1	<0.02	4.3
1274898	Soil	21.8	27.1	0.46	226.9	0.039	2	1.68	0.018	0.10	0.2	3.5	0.11	0.04	22	0.2	0.02	5.0
1274899	Soil	22.9	24.1	0.45	222.2	0.048	<1	1.39	0.018	0.10	0.2	3.5	0.09	0.04	21	0.2	<0.02	4.6
1274900	Soil	23.8	24.1	0.45	226.3	0.056	1	1.40	0.017	0.10	0.2	3.7	0.09	0.03	14	0.2	0.03	4.3
1274901	Soil	12.6	13.5	0.26	102.6	0.040	<1	0.93	0.026	0.06	0.1	1.9	0.06	0.02	10	0.2	<0.02	3.0
1274902	Soil	19.7	26.3	0.43	179.7	0.036	1	1.63	0.014	0.09	0.2	3.1	0.11	0.03	16	0.3	<0.02	4.8
1274903	Soil	24.0	25.9	0.41	157.8	0.057	<1	1.50	0.015	0.11	0.2	3.6	0.10	<0.02	13	0.2	<0.02	4.6
1274904	Soil	24.9	29.7	0.52	159.3	0.066	1	1.64	0.019	0.13	0.2	4.3	0.11	0.02	19	0.3	<0.02	5.1
1274905	Soil	21.8	23.2	0.39	139.4	0.064	2	1.19	0.017	0.08	0.3	3.2	0.08	<0.02	11	0.2	<0.02	4.0
1274906	Soil	24.3	27.3	0.44	161.9	0.061	1	1.43	0.018	0.11	0.2	4.1	0.10	0.02	18	0.2	<0.02	4.7
1274907	Soil	25.1	22.1	0.38	127.4	0.073	1	1.12	0.021	0.11	0.2	3.6	0.08	<0.02	15	0.2	<0.02	3.7
1274908	Soil	35.4	33.2	0.65	274.6	0.065	1	1.95	0.016	0.13	0.2	6.0	0.12	0.02	27	0.3	<0.02	5.7
1274909	Soil	24.9	25.1	0.42	166.9	0.057	1	1.35	0.015	0.09	0.2	3.8	0.07	<0.02	15	0.2	<0.02	4.2
1274910	Rock Pulp	4.6	30.4	0.47	67.8	0.101	4	0.97	0.047	0.07	8.4	3.3	0.05	0.04	20	0.3	<0.02	3.6

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Project: Dogmatic
Report Date: November 01, 2011

CERTIFICATE OF ANALYSIS WHI11001386.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1274911	Soil	0.96	19.43	26.98	75.5	66	12.1	6.7	638	2.54	4.8	2.8	2.0	6.2	19.5	0.25	0.63	0.35	38	0.29	0.077
1274912	Soil	0.73	19.90	23.00	62.0	55	12.2	6.9	637	2.15	4.5	3.4	2.1	11.8	22.4	0.27	0.58	0.28	36	0.38	0.075
1274913	Soil	0.85	15.36	20.93	53.6	34	9.6	6.3	641	2.05	4.3	2.5	2.1	11.1	18.8	0.19	0.59	0.24	33	0.31	0.053
1274914	Soil	1.56	25.49	33.10	58.7	68	21.4	8.5	483	2.59	5.6	3.1	1.5	4.3	20.9	0.19	1.56	0.23	40	0.21	0.074
1274915	Soil	1.07	16.73	13.40	46.9	60	10.3	5.5	665	2.08	5.6	1.1	1.0	0.6	18.0	0.20	0.60	0.26	48	0.13	0.067
1274916	Soil	1.47	20.20	23.06	55.1	55	18.1	7.8	426	2.66	5.8	8.3	3.3	1.2	12.7	0.16	1.25	0.30	41	0.14	0.081
1274917	Soil	1.10	17.46	18.90	37.5	53	10.8	6.0	385	1.90	4.8	2.6	1.7	7.4	17.3	0.11	0.73	0.16	35	0.30	0.092
1274918	Soil	1.98	16.04	19.13	38.0	87	7.5	5.6	359	2.10	1.9	2.8	0.9	21.3	12.6	0.10	0.94	0.17	21	0.18	0.061
1274919	Soil	1.15	10.78	11.79	36.9	54	9.2	4.5	348	1.92	4.2	0.8	3.2	2.9	14.9	0.22	0.52	0.20	46	0.14	0.046
1274920	Soil	1.34	18.09	30.90	47.2	29	9.4	6.4	473	2.24	3.8	4.3	1.8	20.9	10.1	0.19	1.03	0.20	29	0.09	0.050
1274921	Soil	0.97	18.49	12.24	42.0	63	12.6	6.9	364	1.93	5.2	1.1	2.3	2.4	21.0	0.31	0.62	0.16	42	0.28	0.089
1274922	Soil	0.89	15.38	16.91	43.7	40	12.1	6.5	341	1.93	4.2	1.5	1.3	12.3	18.2	0.18	0.65	0.15	35	0.24	0.076
1274923	Soil	0.64	15.76	10.49	35.2	34	11.9	6.1	299	1.94	5.9	1.4	4.8	7.3	21.9	0.13	0.70	0.24	44	0.31	0.062
1274924	Soil	1.22	19.25	18.17	67.4	68	11.4	8.3	586	3.01	3.4	3.7	5.6	3.2	12.3	0.20	0.39	0.17	46	0.20	0.110
1274925	Soil	1.44	18.58	21.52	70.6	124	14.0	9.0	475	2.96	4.1	6.0	4.2	5.2	14.1	0.28	0.58	0.17	40	0.20	0.113
1274926	Soil	2.00	23.63	20.43	68.6	231	16.5	6.8	336	2.89	6.6	13.1	4.0	5.7	32.0	0.09	0.68	0.26	49	0.35	0.118
1274927	Soil	0.98	13.82	13.37	47.3	40	9.1	6.2	432	2.55	5.2	4.9	3.4	12.2	20.0	0.16	0.54	0.18	52	0.22	0.044
1274928	Soil	0.54	17.14	14.38	63.1	21	6.5	6.0	220	3.16	2.8	4.8	4.6	21.6	16.3	0.20	0.37	0.13	79	0.24	0.055
1274929	Soil	0.67	18.45	10.38	52.7	42	16.9	7.1	301	2.28	7.5	1.9	5.7	3.2	26.1	0.13	0.60	0.19	52	0.32	0.061
1274930	Soil	0.65	18.51	11.20	47.3	54	15.9	7.1	314	2.33	7.9	1.1	3.9	3.6	27.7	0.13	0.55	0.20	51	0.30	0.058
1274931	Soil	0.57	19.10	10.19	48.2	44	15.3	6.7	307	2.19	6.9	1.2	4.3	5.3	30.5	0.08	0.54	0.16	50	0.35	0.060
1274932	Soil	0.61	16.21	9.70	40.2	44	12.6	6.1	300	1.95	6.7	1.1	4.8	6.3	24.2	0.13	0.59	0.15	46	0.35	0.072
1274933	Soil	0.80	19.14	11.60	43.0	60	14.8	6.8	323	2.11	7.1	1.4	4.9	5.9	26.0	0.13	0.67	0.18	49	0.37	0.073
1274934	Soil	1.29	15.59	11.61	43.6	55	14.1	6.1	315	2.15	6.3	35.9	3.2	3.0	18.1	0.09	0.53	0.20	46	0.21	0.055
1274935	Soil	5.55	19.72	20.18	47.4	68	9.9	6.1	555	2.11	5.2	43.7	2.8	19.5	18.9	0.13	0.58	0.23	30	0.30	0.050
1274936	Soil	0.67	14.91	11.55	41.0	47	12.6	7.6	445	1.88	6.4	1.0	4.0	7.3	24.8	0.15	0.59	0.31	41	0.40	0.080
1274937	Soil	0.68	14.96	11.46	38.6	45	13.0	7.5	464	1.86	6.5	1.2	3.9	8.0	25.7	0.15	0.63	0.36	41	0.40	0.081
1274938	Soil	0.60	14.52	8.03	35.4	42	12.3	6.2	265	1.85	6.6	2.3	2.9	3.8	19.3	0.11	0.61	0.16	44	0.24	0.044
1274939	Soil	0.77	15.82	12.64	55.0	52	13.7	6.6	473	2.18	6.0	3.1	2.4	2.4	17.4	0.16	0.64	0.19	43	0.21	0.064
1274940	Soil	0.54	9.68	9.22	31.6	34	8.5	4.3	254	1.57	4.2	1.0	3.4	8.2	19.8	0.11	0.48	0.12	35	0.33	0.067

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Project: Dogmatic
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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1274911	Soil	27.2	22.5	0.35	319.4	0.039	1	1.34	0.015	0.10	0.2	4.0	0.08	0.03	30	0.2	<0.02	4.2
1274912	Soil	29.8	22.1	0.39	277.6	0.056	1	1.20	0.015	0.10	0.2	4.0	0.08	<0.02	26	0.1	<0.02	4.0
1274913	Soil	29.3	19.4	0.31	256.7	0.036	<1	1.08	0.012	0.09	0.2	3.6	0.08	<0.02	16	0.1	0.02	3.3
1274914	Soil	19.8	29.4	0.44	258.1	0.022	1	1.67	0.009	0.10	0.2	3.2	0.13	0.02	22	0.2	0.03	4.7
1274915	Soil	10.8	25.6	0.32	119.3	0.061	<1	1.59	0.009	0.08	0.2	1.6	0.13	0.04	32	0.3	<0.02	5.7
1274916	Soil	25.6	28.9	0.41	220.6	0.025	1	1.95	0.007	0.09	0.2	1.9	0.14	0.03	22	0.4	<0.02	5.6
1274917	Soil	27.7	20.3	0.32	322.3	0.052	<1	1.10	0.013	0.07	0.2	2.8	0.07	<0.02	16	0.2	<0.02	3.6
1274918	Soil	46.4	11.9	0.19	288.5	0.010	<1	0.90	0.007	0.10	0.1	3.3	0.07	<0.02	15	0.1	<0.02	2.1
1274919	Soil	9.9	20.8	0.31	101.3	0.093	<1	0.99	0.007	0.08	0.3	1.9	0.07	<0.02	29	0.2	<0.02	5.7
1274920	Soil	41.9	16.3	0.24	142.1	0.024	<1	1.23	0.006	0.07	0.2	3.9	0.08	<0.02	20	<0.1	<0.02	3.6
1274921	Soil	18.1	23.5	0.35	117.4	0.059	1	1.34	0.013	0.07	0.3	2.6	0.08	<0.02	20	0.2	<0.02	3.9
1274922	Soil	25.3	20.5	0.32	123.8	0.050	<1	1.04	0.011	0.06	0.3	2.9	0.07	<0.02	11	0.1	<0.02	3.5
1274923	Soil	21.9	21.9	0.39	115.7	0.076	1	1.14	0.018	0.06	0.3	3.3	0.07	<0.02	7	<0.1	0.02	3.6
1274924	Soil	37.4	17.9	0.46	246.7	0.012	<1	1.84	0.008	0.09	0.1	2.9	0.12	0.02	9	<0.1	<0.02	6.6
1274925	Soil	35.8	20.9	0.29	231.5	0.009	1	1.90	0.009	0.11	0.2	2.9	0.11	0.03	43	<0.1	<0.02	4.0
1274926	Soil	42.7	40.1	0.49	425.8	0.025	1	2.48	0.011	0.11	0.2	5.9	0.18	0.04	39	<0.1	0.07	6.5
1274927	Soil	28.1	17.5	0.35	216.0	0.055	<1	1.45	0.011	0.06	0.1	3.2	0.07	<0.02	13	<0.1	0.03	4.4
1274928	Soil	33.1	13.3	0.35	167.6	0.046	<1	1.45	0.011	0.09	<0.1	3.3	0.06	<0.02	<5	<0.1	<0.02	5.1
1274929	Soil	17.5	30.4	0.60	193.1	0.101	1	1.72	0.017	0.10	0.3	3.3	0.11	<0.02	9	<0.1	0.05	5.5
1274930	Soil	14.1	28.7	0.58	142.0	0.096	<1	2.00	0.014	0.11	0.3	3.6	0.14	<0.02	18	<0.1	<0.02	5.8
1274931	Soil	17.9	29.7	0.56	146.5	0.094	1	1.73	0.018	0.09	0.3	3.8	0.11	<0.02	8	<0.1	<0.02	5.1
1274932	Soil	19.7	25.0	0.41	97.7	0.091	<1	1.24	0.019	0.07	0.3	3.1	0.07	<0.02	6	<0.1	<0.02	3.9
1274933	Soil	20.6	28.0	0.46	117.2	0.091	<1	1.43	0.019	0.08	0.3	3.6	0.09	<0.02	15	<0.1	0.03	4.6
1274934	Soil	24.2	28.3	0.47	251.6	0.046	1	1.79	0.011	0.06	0.2	3.3	0.10	<0.02	25	<0.1	0.04	5.2
1274935	Soil	47.8	18.7	0.31	235.9	0.028	<1	1.23	0.012	0.08	0.2	4.0	0.08	<0.02	16	<0.1	<0.02	3.1
1274936	Soil	20.3	22.5	0.40	103.5	0.089	<1	1.03	0.022	0.08	0.3	2.9	0.08	<0.02	8	<0.1	<0.02	3.5
1274937	Soil	21.7	22.3	0.39	105.6	0.088	1	0.99	0.023	0.08	0.3	3.0	0.08	<0.02	11	<0.1	0.02	3.5
1274938	Soil	14.9	24.5	0.42	92.6	0.079	<1	1.35	0.015	0.06	0.4	2.8	0.08	<0.02	7	<0.1	<0.02	4.0
1274939	Soil	19.6	26.0	0.41	159.6	0.043	<1	1.44	0.010	0.06	0.2	2.4	0.08	<0.02	11	<0.1	0.02	5.1
1274940	Soil	19.9	16.4	0.33	78.8	0.064	<1	0.76	0.021	0.06	0.2	2.3	0.04	<0.02	<5	<0.1	<0.02	2.7

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1274941	Soil	0.64	17.30	9.42	40.9	70	14.9	6.8	280	2.11	8.3	0.8	4.7	4.6	23.2	0.16	0.69	0.17	49	0.29	0.056
1274942	Soil	1.23	14.44	8.93	43.7	33	15.6	6.2	295	2.13	6.9	3.9	2.8	2.4	18.6	0.12	0.64	0.19	49	0.24	0.049
1274943	Soil	0.60	13.73	8.54	34.9	40	13.2	6.7	305	1.96	6.9	1.0	2.3	5.9	21.2	0.18	0.58	0.14	43	0.27	0.057
1274944	Soil	0.63	13.69	9.54	42.7	60	13.4	6.5	254	2.09	7.7	1.1	4.2	1.1	20.5	0.15	0.63	0.18	46	0.34	0.070
1274945	Soil	0.53	16.45	9.83	38.0	41	13.1	6.4	191	1.76	6.1	1.1	10.3	3.4	18.3	0.14	0.60	0.16	45	0.29	0.053
1274946	Soil	0.51	15.13	7.84	32.6	75	11.1	6.4	314	1.70	5.5	0.8	4.4	5.2	31.0	0.13	0.58	0.31	42	0.41	0.068
1274947	Soil	0.77	17.90	5.58	67.9	53	19.1	14.5	381	3.26	5.0	0.4	2.6	3.4	24.4	0.11	0.33	0.12	67	0.29	0.042
1274948	Soil	0.49	23.88	7.13	58.3	12	16.9	12.4	351	2.86	6.4	1.0	2.7	6.4	33.9	0.05	0.45	0.10	64	0.37	0.037
1274949	Soil	0.79	21.23	6.59	56.3	27	16.3	13.6	255	2.90	6.3	0.5	1.1	4.5	28.8	0.07	0.42	0.10	68	0.27	0.024
1274950	Soil	0.57	18.90	6.10	48.7	12	13.9	11.9	269	2.79	6.9	0.6	3.7	3.5	26.4	0.04	0.40	0.09	65	0.22	0.034
1274951	Soil	0.73	20.84	7.27	48.4	9	22.0	11.0	250	2.52	8.0	0.6	1.7	6.3	18.1	0.04	0.53	0.13	49	0.14	0.018
1274952	Soil	0.66	19.42	7.07	41.3	16	15.1	9.0	247	2.42	5.9	0.9	1.4	4.2	25.7	0.03	0.40	0.10	51	0.29	0.032
1274953	Soil	1.66	27.33	10.05	61.7	32	20.7	18.6	488	3.30	8.5	1.7	3.2	6.4	19.0	0.05	0.63	0.19	66	0.18	0.027
1274954	Soil	1.11	22.49	10.90	46.6	18	18.5	9.5	266	2.94	7.2	1.3	5.0	5.8	21.9	0.04	0.44	0.15	65	0.22	0.026
1274955	Soil	0.64	19.53	5.56	49.5	9	15.2	12.2	281	2.80	6.7	0.5	1.5	4.1	20.9	0.03	0.35	0.09	60	0.24	0.032
1274956	Soil	0.36	22.53	4.25	68.6	10	12.7	16.0	484	3.53	4.1	0.7	1.0	4.5	24.0	0.04	0.22	0.06	74	0.27	0.031
1274957	Soil	0.64	35.92	4.97	66.9	14	14.2	15.6	360	3.56	5.3	0.5	0.8	4.5	15.7	0.05	0.27	0.07	81	0.17	0.027
1274958	Soil	0.97	26.78	8.49	52.6	41	22.5	11.8	277	3.04	7.9	0.8	1.1	4.8	16.9	0.06	0.57	0.15	63	0.16	0.021
1274959	Soil	0.48	20.42	4.27	46.1	6	11.6	10.6	233	2.50	5.2	0.3	1.4	2.9	14.9	0.04	0.29	0.13	58	0.18	0.022
1274960	Soil	0.34	19.88	2.83	46.5	5	6.7	14.0	303	2.66	2.0	0.4	0.9	2.0	25.0	0.03	0.09	0.06	66	0.46	0.083
1274961	Soil	0.74	14.75	5.52	38.8	29	11.1	10.3	176	2.40	5.2	0.3	0.9	1.8	22.0	0.03	0.20	0.09	63	0.24	0.035
1274962	Soil	0.40	29.40	4.07	58.0	31	9.9	13.7	284	3.06	4.1	0.3	1.5	2.1	18.0	0.03	0.20	0.27	77	0.34	0.059
1274963	Soil	0.76	21.28	12.00	62.0	117	19.6	8.8	716	2.05	7.2	1.2	5.7	5.3	31.4	0.26	0.56	0.22	44	0.61	0.065
1274964	Soil	0.83	26.37	16.86	64.0	113	20.7	8.9	473	2.25	7.3	1.7	3.9	8.7	27.8	0.36	0.62	0.19	46	0.49	0.067
1274965	Soil	0.65	24.30	12.91	75.5	169	20.8	7.0	309	2.52	8.5	1.2	3.2	6.4	29.0	0.22	0.64	0.22	51	0.53	0.070
1274966	Soil	0.50	19.00	13.18	51.8	101	15.1	6.4	303	1.99	5.5	1.7	3.8	6.3	27.1	0.19	0.54	0.18	42	0.41	0.064
1274967	Soil	0.67	20.46	13.05	54.4	141	18.0	7.2	618	2.10	6.9	4.4	4.3	4.3	20.6	0.21	0.53	0.18	41	0.41	0.068
1274968	Soil	0.45	18.08	12.20	52.4	90	13.7	5.9	309	1.73	4.2	3.6	1.9	6.6	22.5	0.20	0.44	0.15	34	0.40	0.063
1274969	Soil	0.39	9.80	8.61	30.1	35	7.8	3.9	255	1.32	3.0	1.8	2.5	5.8	16.3	0.13	0.34	0.15	26	0.22	0.041
1274970	Soil	0.31	21.02	12.66	53.3	92	17.0	7.7	334	1.82	4.6	7.8	2.3	6.0	23.4	0.25	0.51	0.19	41	0.38	0.056

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Project: Dogmatic
Report Date: November 01, 2011

CERTIFICATE OF ANALYSIS WHI11001386.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1274941	Soil	13.8	27.7	0.48	128.9	0.085	1	1.75	0.016	0.08	0.4	3.4	0.10	<0.02	21	<0.1	0.04	4.8
1274942	Soil	15.6	35.9	0.56	137.2	0.086	<1	1.63	0.013	0.06	0.4	2.9	0.09	<0.02	13	<0.1	0.02	5.4
1274943	Soil	15.7	25.2	0.42	96.5	0.067	<1	1.32	0.015	0.07	0.3	2.9	0.07	<0.02	8	<0.1	0.03	3.7
1274944	Soil	14.0	27.9	0.46	77.6	0.061	1	1.79	0.011	0.06	0.3	2.2	0.10	0.02	22	0.1	<0.02	5.3
1274945	Soil	15.5	26.2	0.42	104.1	0.076	<1	1.56	0.013	0.06	0.3	2.9	0.08	<0.02	8	0.1	0.04	4.6
1274946	Soil	18.0	24.1	0.40	76.8	0.089	<1	0.97	0.029	0.06	0.3	2.8	0.05	<0.02	<5	<0.1	0.02	3.4
1274947	Soil	9.8	30.4	1.12	203.3	0.196	2	2.47	0.013	0.28	0.1	2.4	0.12	<0.02	15	0.2	0.02	5.8
1274948	Soil	37.2	24.2	0.89	231.3	0.121	<1	2.11	0.018	0.20	<0.1	4.9	0.11	<0.02	14	0.3	0.02	4.9
1274949	Soil	11.2	23.7	0.86	185.4	0.135	<1	2.52	0.015	0.17	<0.1	3.1	0.12	<0.02	17	0.2	<0.02	5.4
1274950	Soil	12.4	22.5	0.83	201.8	0.112	<1	2.21	0.016	0.23	<0.1	3.2	0.12	<0.02	14	0.2	0.02	4.9
1274951	Soil	13.2	27.8	0.58	150.4	0.088	1	1.81	0.008	0.10	<0.1	2.7	0.11	<0.02	6	0.2	0.02	4.3
1274952	Soil	18.4	23.9	0.64	222.8	0.089	2	1.54	0.015	0.07	0.1	3.5	0.08	<0.02	18	0.2	<0.02	4.1
1274953	Soil	25.0	35.1	0.68	251.0	0.148	<1	2.22	0.009	0.09	0.2	5.4	0.13	<0.02	52	0.3	0.02	5.4
1274954	Soil	15.8	32.3	0.64	212.0	0.127	1	1.90	0.009	0.09	0.2	4.1	0.10	<0.02	20	0.2	<0.02	5.4
1274955	Soil	9.1	22.4	0.81	225.7	0.117	<1	1.97	0.010	0.25	<0.1	2.4	0.12	<0.02	16	<0.1	<0.02	4.4
1274956	Soil	19.7	18.0	1.41	325.2	0.216	<1	2.58	0.007	0.70	<0.1	2.3	0.24	<0.02	12	<0.1	0.03	5.3
1274957	Soil	11.0	20.9	1.26	286.9	0.214	1	2.69	0.009	0.63	<0.1	2.4	0.26	<0.02	9	0.2	0.03	5.3
1274958	Soil	15.5	30.2	0.75	299.6	0.131	1	2.31	0.010	0.25	0.2	2.7	0.14	<0.02	12	<0.1	0.03	5.1
1274959	Soil	8.7	16.7	0.82	269.6	0.105	2	1.83	0.013	0.43	<0.1	1.6	0.18	<0.02	14	0.2	0.02	4.0
1274960	Soil	18.5	10.8	1.08	374.4	0.128	1	2.07	0.024	0.54	<0.1	1.9	0.17	<0.02	8	<0.1	<0.02	4.1
1274961	Soil	6.0	18.0	0.79	215.6	0.105	1	1.83	0.013	0.32	0.1	1.7	0.12	<0.02	7	<0.1	<0.02	4.7
1274962	Soil	8.3	15.5	1.18	394.1	0.139	1	2.43	0.020	0.70	<0.1	1.9	0.22	<0.02	6	0.2	<0.02	4.8
1274963	Soil	15.7	32.9	0.60	197.8	0.062	2	1.65	0.025	0.14	0.2	3.4	0.18	0.03	30	<0.1	0.02	4.9
1274964	Soil	19.6	35.3	0.56	196.9	0.075	2	1.60	0.027	0.16	0.2	4.0	0.16	<0.02	23	0.1	0.02	5.1
1274965	Soil	17.6	36.8	0.62	208.7	0.064	1	2.11	0.020	0.17	0.2	4.3	0.17	0.02	23	<0.1	0.02	6.0
1274966	Soil	18.3	30.1	0.48	184.7	0.061	1	1.67	0.019	0.10	0.2	3.6	0.12	<0.02	17	<0.1	0.02	4.9
1274967	Soil	18.2	28.4	0.49	197.2	0.034	1	1.67	0.016	0.10	0.2	2.9	0.12	0.02	20	<0.1	0.03	4.5
1274968	Soil	21.3	22.4	0.42	290.7	0.033	1	1.33	0.017	0.08	0.2	2.9	0.09	<0.02	20	0.1	<0.02	3.8
1274969	Soil	15.4	15.5	0.25	170.4	0.026	<1	0.69	0.014	0.04	0.1	1.6	0.05	<0.02	6	<0.1	<0.02	2.2
1274970	Soil	19.0	30.7	0.54	236.6	0.045	<1	1.59	0.019	0.09	0.2	3.5	0.13	0.02	22	0.1	<0.02	4.7

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Project: Dogmatic
Report Date: November 01, 2011

CERTIFICATE OF ANALYSIS WHI11001386.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1274971	Soil	0.48	12.07	7.91	36.3	40	11.8	5.4	252	1.64	5.4	0.9	2.6	2.0	17.2	0.13	0.43	0.12	36	0.32	0.059
1274972	Soil	0.67	23.88	12.94	56.3	110	14.5	6.1	283	2.13	8.6	1.2	3.4	6.0	24.1	0.22	0.76	0.14	44	0.45	0.081
1274973	Soil	0.47	19.74	10.39	46.6	77	13.7	8.5	282	2.11	7.1	1.9	2.6	5.0	16.2	0.21	0.53	0.13	40	0.29	0.064
1274974	Soil	0.69	20.52	10.86	58.1	90	16.0	5.6	265	2.08	6.4	1.6	6.7	6.2	21.3	0.12	0.59	0.14	42	0.39	0.064
1274975	Soil	0.38	23.71	15.67	60.2	55	28.8	11.9	362	3.10	5.2	3.0	2.9	13.0	30.0	0.23	0.52	0.13	75	0.62	0.078
1274976	Soil	0.60	15.08	9.95	48.2	56	13.4	5.7	288	1.89	5.8	1.4	3.7	2.1	15.8	0.17	0.45	0.17	37	0.19	0.059
1274977	Soil	0.70	23.28	16.31	61.4	93	18.1	8.3	488	2.50	8.5	1.9	2.8	7.3	33.6	0.15	0.69	0.19	47	0.53	0.053
1274978	Soil	0.51	24.98	12.62	59.6	114	19.5	7.0	242	2.11	6.8	2.4	3.2	7.9	25.1	0.32	0.64	0.19	47	0.43	0.059
1274979	Soil	0.42	23.76	12.99	60.5	109	18.5	7.7	419	2.14	6.6	1.4	10.1	7.8	25.5	0.30	0.63	0.18	43	0.39	0.068
1274980	Soil	0.49	12.27	7.59	44.3	31	11.3	5.0	268	1.89	6.2	0.7	10.0	1.2	17.0	0.08	0.43	0.16	41	0.24	0.048
1274981	Soil	1.95	11.30	10.92	75.5	30	11.0	7.6	432	3.01	5.6	0.9	0.9	0.4	12.1	0.17	0.37	0.14	58	0.23	0.125
1274982	Soil	0.84	10.96	11.04	50.6	65	8.8	4.5	279	2.06	5.3	1.0	2.2	0.2	13.8	0.33	0.46	0.17	41	0.15	0.086
1274501	Soil	0.94	22.59	18.61	53.6	83	30.5	11.1	641	2.45	3.2	3.0	0.8	3.2	22.6	0.12	0.50	0.15	36	0.32	0.090
1274502	Soil	0.68	11.06	9.23	34.3	32	9.6	5.0	280	1.97	6.1	0.8	1.7	3.9	9.4	0.20	0.50	0.14	45	0.13	0.034
1274503	Soil	2.11	11.01	86.20	40.6	43	5.9	5.0	666	1.83	3.6	3.0	1.4	6.7	8.8	0.21	0.51	0.21	16	0.14	0.055
1274504	Soil	3.73	4.23	36.60	31.6	74	2.4	2.8	560	1.29	3.0	2.9	0.5	10.6	9.4	0.11	0.46	0.40	6	0.15	0.049
1274505	Soil	6.91	27.09	145.7	122.4	172	7.2	3.4	201	1.64	5.0	6.3	1.6	0.6	13.8	0.42	4.54	0.29	25	0.14	0.075
1274506	Soil	1.49	9.75	18.75	35.8	90	7.7	3.8	211	1.87	4.9	0.9	3.8	2.2	14.7	0.31	0.53	0.24	52	0.18	0.035
1274507	Soil	1.30	13.47	19.41	44.9	36	9.2	6.5	601	2.29	5.4	2.5	1.6	11.5	15.8	0.21	0.61	0.15	33	0.18	0.049
1274508	Soil	1.28	12.04	15.53	37.2	44	10.9	4.7	208	2.13	5.5	1.3	1.5	2.9	11.8	0.42	0.73	0.16	43	0.14	0.046
1274509	Soil	1.08	10.90	8.87	38.9	36	10.7	4.7	200	2.07	5.9	1.6	2.2	3.6	16.3	0.18	0.58	0.16	47	0.21	0.036
1274510	Soil	0.66	11.71	8.21	30.8	46	8.8	5.1	232	1.77	5.6	1.0	0.7	2.6	15.3	0.11	0.43	0.12	43	0.22	0.046
1274511	Soil	0.75	12.66	10.05	36.9	69	9.4	5.0	313	1.76	4.9	1.9	2.9	1.3	14.1	0.13	0.50	0.13	39	0.19	0.061
1274512	Soil	0.68	16.59	10.85	43.3	60	12.3	6.0	301	2.05	6.0	1.2	3.5	2.0	18.9	0.14	0.52	0.15	45	0.24	0.065
1274513	Soil	1.42	13.34	12.92	46.3	60	10.3	5.3	318	2.17	5.3	2.2	2.0	0.7	11.4	0.16	0.52	0.20	41	0.11	0.061
1274514	Soil	0.54	10.17	8.22	28.5	13	8.1	5.7	341	1.52	4.4	0.9	4.3	5.7	15.8	0.17	0.43	0.05	33	0.29	0.071
1274515	Soil	0.56	13.04	8.65	34.0	28	9.7	5.5	321	1.63	4.8	1.4	2.5	5.8	15.6	0.13	0.49	0.05	34	0.27	0.073
1274516	Soil	0.57	11.60	8.98	31.1	39	9.3	5.5	314	1.50	4.5	1.1	3.0	5.7	19.0	0.14	0.44	0.04	32	0.30	0.075
1274517	Soil	0.75	13.16	10.95	35.2	37	11.3	5.5	262	1.90	5.2	1.3	1.2	3.1	14.1	0.12	0.48	0.07	41	0.18	0.045
1274518	Soil	0.19	20.64	2.93	61.0	16	20.5	25.0	1076	4.41	1.0	0.7	<0.2	1.4	93.9	0.10	0.32	<0.02	128	1.01	0.097

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1274971	Soil	11.8	21.5	0.37	104.2	0.032	1	1.16	0.012	0.06	0.2	1.8	0.07	0.02	11	<0.1	0.02	3.6
1274972	Soil	17.9	28.6	0.49	133.8	0.060	1	1.34	0.023	0.12	0.2	3.7	0.11	<0.02	26	<0.1	0.02	4.1
1274973	Soil	15.6	22.9	0.43	140.6	0.043	1	1.31	0.015	0.06	0.1	2.9	0.09	<0.02	10	0.1	<0.02	3.7
1274974	Soil	16.5	29.4	0.50	138.2	0.056	1	1.42	0.016	0.11	0.2	3.5	0.10	<0.02	14	<0.1	0.02	4.2
1274975	Soil	23.0	51.1	1.40	387.6	0.093	1	2.48	0.029	0.07	<0.1	5.7	0.07	<0.02	16	<0.1	0.02	7.0
1274976	Soil	15.0	24.5	0.44	150.9	0.033	1	1.55	0.013	0.07	0.2	2.0	0.11	0.02	14	<0.1	<0.02	4.4
1274977	Soil	21.3	31.6	0.62	257.7	0.049	1	1.77	0.024	0.13	0.2	3.8	0.15	0.02	28	<0.1	0.04	5.3
1274978	Soil	18.0	33.3	0.57	178.2	0.067	1	1.63	0.021	0.16	0.2	3.7	0.14	<0.02	22	0.1	0.02	4.9
1274979	Soil	19.2	32.7	0.54	189.4	0.068	<1	1.51	0.021	0.14	0.2	3.7	0.14	<0.02	16	<0.1	0.03	4.7
1274980	Soil	10.7	25.7	0.46	105.6	0.047	<1	1.47	0.011	0.05	0.2	1.9	0.08	<0.02	12	0.1	0.03	4.9
1274981	Soil	12.3	16.1	0.27	109.8	0.006	<1	1.22	0.007	0.08	0.2	0.9	0.12	0.04	15	0.1	<0.02	4.3
1274982	Soil	9.6	24.0	0.30	97.9	0.021	<1	1.79	0.006	0.05	0.1	0.6	0.08	0.06	50	0.3	0.03	5.1
1274501	Soil	28.3	19.8	0.25	408.7	0.018	<1	0.99	0.026	0.09	0.1	3.8	0.07	<0.02	19	<0.1	<0.02	2.8
1274502	Soil	11.3	19.9	0.30	101.1	0.046	<1	1.27	0.009	0.05	0.2	1.7	0.06	<0.02	15	<0.1	<0.02	3.9
1274503	Soil	30.0	10.9	0.16	195.6	0.005	<1	1.22	0.006	0.08	0.2	1.1	0.08	0.02	32	0.1	<0.02	2.6
1274504	Soil	19.6	4.4	0.07	277.1	0.002	<1	0.63	0.007	0.10	<0.1	1.2	0.09	<0.02	26	<0.1	<0.02	1.2
1274505	Soil	31.9	15.6	0.19	233.9	0.006	<1	1.10	0.008	0.06	0.1	0.5	0.12	0.05	24	0.1	0.04	3.5
1274506	Soil	8.5	20.4	0.27	134.7	0.081	<1	1.22	0.008	0.06	0.2	1.6	0.10	0.02	28	0.2	0.03	6.1
1274507	Soil	31.2	17.4	0.28	245.2	0.020	<1	1.31	0.010	0.07	0.2	2.8	0.08	<0.02	36	<0.1	<0.02	3.7
1274508	Soil	12.9	24.0	0.33	94.9	0.041	<1	1.39	0.009	0.05	0.2	1.8	0.08	0.02	34	0.2	0.02	4.7
1274509	Soil	13.2	24.0	0.39	148.1	0.053	<1	1.22	0.011	0.07	0.3	2.2	0.08	<0.02	19	0.2	0.02	4.7
1274510	Soil	12.4	20.3	0.32	108.3	0.048	<1	1.11	0.014	0.06	0.2	2.0	0.07	<0.02	15	<0.1	<0.02	3.8
1274511	Soil	15.2	20.4	0.32	128.3	0.033	<1	1.17	0.011	0.07	0.2	1.8	0.07	0.03	28	0.1	<0.02	3.8
1274512	Soil	14.3	24.5	0.44	141.3	0.044	<1	1.63	0.015	0.07	0.3	2.2	0.09	0.03	23	0.1	<0.02	5.1
1274513	Soil	18.1	24.0	0.33	134.1	0.015	1	1.47	0.008	0.06	0.2	1.2	0.16	0.05	12	<0.1	0.03	5.8
1274514	Soil	18.2	15.1	0.26	84.6	0.039	1	0.61	0.018	0.05	0.2	2.1	0.06	<0.02	<5	<0.1	0.03	2.3
1274515	Soil	19.7	17.0	0.30	96.8	0.039	<1	0.83	0.014	0.06	0.2	2.5	0.07	<0.02	10	<0.1	<0.02	2.8
1274516	Soil	20.1	16.8	0.28	88.2	0.039	<1	0.67	0.015	0.05	0.2	2.4	0.06	<0.02	5	<0.1	0.04	2.3
1274517	Soil	17.2	21.0	0.33	140.1	0.033	1	1.21	0.011	0.06	0.2	2.6	0.09	0.02	19	<0.1	0.02	4.1
1274518	Soil	11.3	20.1	1.67	2993	0.070	<1	3.22	0.107	0.10	<0.1	7.3	0.07	<0.02	<5	<0.1	<0.02	7.3

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Project: Dogmatic
Report Date: November 01, 2011

CERTIFICATE OF ANALYSIS WHI11001386.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1274519	Soil	1.16	12.79	18.92	54.5	35	10.7	6.0	493	2.02	4.4	5.5	1.1	4.8	11.9	0.16	0.44	0.08	28	0.14	0.068
1274520	Soil	1.16	19.48	18.59	68.4	41	16.9	8.9	647	2.66	7.8	3.2	1.6	2.6	17.8	0.13	0.63	0.08	47	0.21	0.084
1274521	Soil	0.88	17.27	16.85	67.2	41	14.7	7.2	523	2.23	6.9	2.6	3.6	2.5	13.2	0.17	0.49	0.14	41	0.16	0.072
1274522	Soil	0.42	13.19	6.78	28.4	30	6.1	4.2	418	1.04	2.8	1.0	0.3	0.7	14.3	0.13	0.20	0.03	20	0.18	0.063
1274523	Soil	0.69	19.44	14.96	60.8	53	16.0	7.4	547	2.24	7.0	2.2	1.9	2.3	16.1	0.16	0.47	0.13	42	0.18	0.074
1274524	Soil	0.65	17.14	13.06	54.4	37	15.5	6.9	403	2.14	6.7	2.5	5.4	3.3	12.5	0.15	0.47	0.11	42	0.16	0.059
1274525	Soil	0.65	18.08	13.13	60.4	33	14.7	6.5	377	2.15	6.4	2.6	1.3	4.3	15.4	0.16	0.44	0.11	41	0.19	0.059
1274526	Soil	0.59	18.87	12.08	50.7	48	13.7	6.4	409	2.03	5.8	1.7	2.0	6.9	19.6	0.17	0.45	0.08	39	0.31	0.067
1274527	Soil	0.57	16.15	12.91	43.7	34	13.1	6.7	423	1.90	5.7	1.6	1.1	7.0	17.0	0.18	0.46	0.08	38	0.24	0.048
1274528	Soil	0.72	15.46	12.41	49.7	43	11.5	5.3	337	1.91	5.1	2.2	1.5	8.3	17.6	0.17	0.46	0.08	36	0.30	0.057
1274529	Soil	0.69	23.41	14.60	70.0	87	17.1	7.4	429	2.48	7.9	2.2	1.1	5.9	19.8	0.16	0.51	0.15	45	0.28	0.064
1274530	Rock Pulp	3.67	19.67	2.28	32.8	171	19.8	6.9	290	1.82	3.0	0.2	0.4	0.8	23.9	0.14	0.23	<0.02	40	0.57	0.046
1274531	Soil	0.58	12.07	9.23	42.9	23	11.6	5.0	313	1.86	4.6	1.6	5.3	5.9	12.8	0.15	0.39	0.06	36	0.21	0.055
1274532	Soil	0.60	16.91	12.68	59.8	12	13.0	5.8	385	2.08	6.3	2.0	5.5	3.1	18.9	0.14	0.52	0.18	39	0.25	0.061
1274533	Soil	0.57	13.44	10.45	53.1	41	12.0	5.6	353	1.85	5.2	1.8	1.8	2.8	19.3	0.13	0.36	0.16	36	0.30	0.057
1274534	Soil	0.69	15.64	12.35	50.9	32	13.5	7.1	424	2.20	6.6	1.9	2.0	2.3	16.3	0.14	0.60	0.13	44	0.26	0.062
1274535	Soil	0.79	18.08	20.62	44.1	25	22.8	8.3	534	2.62	2.7	3.9	0.7	14.8	12.2	0.18	0.55	0.05	45	0.18	0.035
1274536	Soil	0.68	14.44	13.36	64.6	48	12.5	6.0	376	2.04	5.1	2.7	1.4	3.6	17.8	0.21	0.42	0.12	39	0.27	0.067
1274537	Soil	0.72	14.77	14.49	48.8	47	14.1	6.1	391	2.04	4.7	2.5	1.8	3.7	18.6	0.10	0.41	0.10	38	0.26	0.064
1274538	Soil	1.04	15.91	16.32	60.4	34	13.0	7.4	529	2.24	3.3	4.1	1.0	5.4	13.9	0.19	0.53	0.08	30	0.19	0.062
1274539	Soil	1.21	15.94	15.84	53.0	25	24.6	10.7	958	2.69	3.1	3.5	1.3	3.9	19.9	0.16	0.46	0.07	33	0.25	0.085
1274540	Soil	0.90	14.20	13.70	49.4	47	12.8	6.5	409	2.08	4.2	3.2	2.1	3.8	22.0	0.10	0.44	0.07	35	0.32	0.055
1274541	Soil	0.83	16.18	9.82	44.7	113	11.8	6.1	352	1.88	8.3	1.4	3.4	2.2	25.3	0.13	0.52	0.08	41	0.41	0.080
1274542	Soil	0.86	12.72	10.45	51.8	60	9.2	5.1	383	1.86	7.3	1.3	1.3	0.4	14.6	0.37	0.50	0.09	40	0.20	0.077
1274543	Soil	2.38	16.74	24.19	63.1	165	14.0	11.3	836	3.20	5.7	2.7	1.6	6.7	40.9	0.20	0.95	0.11	45	0.48	0.085
1274544	Soil	1.59	22.05	23.23	62.5	124	29.6	12.8	850	3.29	5.1	2.6	2.7	8.3	28.1	0.21	0.64	0.11	39	0.41	0.070
1274545	Soil	0.77	15.86	15.54	53.4	30	12.2	6.6	457	2.08	5.4	2.0	1.6	5.9	18.1	0.17	0.54	0.11	38	0.30	0.059
1274546	Soil	0.73	16.23	14.79	55.5	34	12.8	6.3	424	2.02	5.0	2.2	3.5	6.5	17.5	0.18	0.51	0.09	39	0.29	0.061
1274547	Soil	0.74	18.90	15.23	63.9	57	14.0	6.7	407	2.21	5.8	2.5	2.6	4.9	22.8	0.22	0.53	0.13	41	0.36	0.072
1274548	Soil	0.59	19.17	11.90	51.8	68	12.9	6.1	398	1.91	4.9	2.3	1.9	4.8	24.2	0.17	0.50	0.10	38	0.46	0.065

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Project: Dogmatic
Report Date: November 01, 2011

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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1274519	Soil	33.0	16.1	0.30	246.5	0.008	<1	1.32	0.008	0.07	0.2	2.3	0.11	<0.02	9	<0.1	<0.02	3.4
1274520	Soil	22.4	28.8	0.55	296.1	0.029	2	2.07	0.014	0.10	0.2	3.0	0.18	0.04	16	0.2	0.06	6.0
1274521	Soil	21.2	25.9	0.46	197.2	0.023	<1	1.85	0.013	0.09	0.2	2.6	0.14	0.04	10	0.2	0.05	5.3
1274522	Soil	11.2	9.9	0.22	115.8	0.025	<1	0.92	0.025	0.04	0.1	1.1	0.08	0.03	<5	0.2	<0.02	2.9
1274523	Soil	19.9	25.8	0.49	214.7	0.026	<1	1.93	0.013	0.09	0.2	2.7	0.14	0.05	24	0.1	<0.02	5.6
1274524	Soil	18.6	25.7	0.46	154.4	0.030	<1	1.68	0.011	0.08	0.2	2.9	0.12	0.03	5	<0.1	0.04	4.9
1274525	Soil	21.4	25.4	0.46	172.7	0.034	<1	1.64	0.013	0.09	0.2	3.3	0.11	0.03	11	0.2	<0.02	4.6
1274526	Soil	21.3	23.8	0.42	166.6	0.043	<1	1.29	0.017	0.08	0.2	3.6	0.10	<0.02	6	<0.1	<0.02	4.0
1274527	Soil	21.6	22.7	0.39	134.9	0.043	<1	1.15	0.014	0.07	0.2	3.3	0.10	<0.02	11	0.1	0.03	3.8
1274528	Soil	22.7	20.8	0.36	148.2	0.038	<1	1.12	0.013	0.08	0.2	3.3	0.09	<0.02	6	<0.1	0.02	3.6
1274529	Soil	19.6	28.1	0.54	211.3	0.035	<1	2.09	0.017	0.12	0.2	4.4	0.15	0.04	12	0.1	0.04	6.0
1274530	Rock Pulp	4.3	29.0	0.47	71.0	0.073	4	0.93	0.047	0.06	7.0	3.4	0.06	0.04	10	0.2	0.02	3.4
1274531	Soil	20.0	18.8	0.32	112.9	0.028	<1	0.95	0.009	0.05	0.1	2.3	0.08	<0.02	10	<0.1	0.02	3.2
1274532	Soil	16.4	23.3	0.46	161.2	0.036	1	1.51	0.016	0.08	0.2	2.3	0.19	0.04	7	<0.1	<0.02	4.9
1274533	Soil	17.2	21.8	0.40	175.2	0.025	<1	1.37	0.015	0.08	0.2	2.4	0.12	0.04	8	0.2	0.04	4.3
1274534	Soil	19.6	25.6	0.45	156.2	0.026	<1	1.42	0.011	0.07	0.2	2.4	0.11	0.03	11	0.1	0.06	4.5
1274535	Soil	34.0	25.4	0.27	266.9	0.014	<1	1.08	0.008	0.08	<0.1	6.4	0.08	<0.02	13	<0.1	0.03	2.9
1274536	Soil	22.6	23.1	0.40	216.2	0.023	<1	1.52	0.012	0.08	0.2	3.0	0.10	0.03	18	0.2	0.03	4.3
1274537	Soil	23.2	23.1	0.39	238.7	0.021	<1	1.49	0.012	0.07	0.2	3.2	0.13	0.04	13	0.1	0.03	4.2
1274538	Soil	29.0	17.7	0.28	259.1	0.015	<1	1.10	0.009	0.08	0.1	3.7	0.09	<0.02	13	<0.1	<0.02	2.9
1274539	Soil	29.5	24.0	0.43	428.9	0.007	<1	1.51	0.008	0.14	<0.1	4.1	0.13	<0.02	5	<0.1	<0.02	3.4
1274540	Soil	25.2	21.7	0.40	387.9	0.021	<1	1.31	0.013	0.08	0.2	3.3	0.09	0.03	14	0.1	0.02	3.8
1274541	Soil	25.1	23.1	0.41	189.7	0.033	<1	1.36	0.014	0.07	0.2	3.1	0.11	0.04	23	<0.1	0.04	4.0
1274542	Soil	17.2	21.3	0.32	126.4	0.016	<1	1.51	0.009	0.07	0.1	0.9	0.12	0.06	20	0.2	<0.02	4.4
1274543	Soil	24.6	22.4	0.49	986.4	0.008	<1	1.45	0.009	0.13	<0.1	7.7	0.11	0.05	39	<0.1	0.03	3.5
1274544	Soil	33.8	22.9	0.40	684.9	0.020	<1	1.13	0.013	0.10	0.1	6.9	0.09	0.03	26	0.1	0.04	2.7
1274545	Soil	24.8	22.2	0.40	194.3	0.035	<1	1.30	0.013	0.08	0.2	3.6	0.10	0.02	8	<0.1	0.04	3.7
1274546	Soil	26.0	22.8	0.39	182.1	0.038	<1	1.27	0.014	0.08	0.2	3.6	0.10	0.02	20	0.1	0.03	3.9
1274547	Soil	26.7	24.0	0.43	223.8	0.035	<1	1.46	0.016	0.09	0.2	3.7	0.11	0.03	14	0.2	0.04	4.5
1274548	Soil	23.4	22.5	0.41	185.3	0.037	<1	1.36	0.018	0.09	0.2	3.4	0.11	0.04	17	0.2	0.03	4.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1274549	Soil	0.50	19.91	13.60	50.9	71	13.5	5.8	345	1.93	5.5	2.4	12.2	7.7	25.8	0.19	0.62	0.24	38	0.40	0.061
1274550	Soil	0.52	22.22	13.50	56.4	98	13.1	6.1	340	1.90	5.3	2.7	8.5	7.6	30.3	0.18	0.61	0.22	37	0.53	0.074
1274551	Soil	0.54	22.11	15.87	54.2	88	13.5	6.8	409	2.01	5.4	2.9	2.6	8.6	26.3	0.17	0.60	0.20	40	0.46	0.064
1274552	Soil	0.53	23.33	14.43	53.2	93	14.2	6.5	402	2.06	5.4	3.2	2.5	8.2	24.9	0.13	0.56	0.20	40	0.41	0.060
1274553	Soil	0.65	19.50	15.35	52.9	71	12.4	6.2	377	2.01	5.2	2.7	2.7	9.7	26.7	0.20	0.61	0.20	38	0.47	0.060
1274554	Soil	0.67	19.11	16.27	57.1	69	12.8	6.5	429	2.12	5.3	3.0	2.5	13.5	25.6	0.21	0.58	0.19	39	0.46	0.072
1274555	Soil	0.73	21.88	19.82	61.7	66	14.5	8.1	588	2.32	6.0	3.4	3.6	18.1	21.8	0.33	0.61	0.21	40	0.38	0.074
1274556	Soil	0.60	18.09	14.28	51.6	54	10.3	5.1	284	1.91	4.4	3.1	4.8	13.6	19.4	0.13	0.52	0.19	35	0.36	0.068
1274557	Soil	0.94	21.43	28.76	86.8	49	14.6	8.1	847	2.77	4.7	3.5	2.0	7.2	18.9	0.33	0.79	0.43	41	0.28	0.082
1274558	Soil	1.06	20.75	31.91	77.7	69	16.1	9.0	873	2.67	4.9	3.7	2.8	12.3	20.8	0.31	0.74	0.45	40	0.30	0.075
1274559	Soil	0.98	18.21	13.49	61.9	102	12.2	6.6	423	1.98	6.9	1.6	2.0	3.2	33.7	0.32	0.59	0.18	40	0.62	0.078
1274560	Soil	0.58	17.53	13.58	40.6	48	11.0	6.9	427	1.92	5.9	1.9	3.3	8.1	19.2	0.19	0.61	0.17	41	0.31	0.087
1274561	Soil	1.16	28.52	19.07	56.1	168	20.1	9.2	502	2.72	8.0	4.0	2.2	1.3	22.6	0.20	0.76	0.24	52	0.22	0.097
1274562	Soil	1.17	13.62	12.49	47.1	100	11.6	5.7	455	2.08	5.7	1.8	1.5	2.8	18.1	0.27	0.56	0.21	44	0.18	0.063
1274563	Soil	0.77	17.52	12.49	38.8	64	11.4	6.4	366	1.86	5.5	2.9	2.5	6.8	14.6	0.11	0.60	0.14	37	0.23	0.081
1274564	Soil	1.18	17.84	14.56	47.8	89	13.4	6.2	301	2.22	6.7	5.3	3.1	1.1	13.8	0.09	0.57	0.23	42	0.16	0.096
1274565	Soil	0.89	16.45	14.15	46.4	39	13.3	6.9	436	2.14	5.7	3.3	5.6	6.3	14.1	0.13	0.56	0.17	38	0.19	0.067
1274566	Soil	0.71	14.48	11.39	43.6	27	11.8	5.9	334	1.90	5.3	1.4	2.6	4.8	13.0	0.13	0.56	0.14	38	0.21	0.067
1274567	Soil	0.60	12.69	10.78	34.4	20	9.9	6.2	347	1.69	5.2	1.2	2.8	5.3	15.0	0.14	0.54	0.12	37	0.26	0.075
1274568	Soil	0.62	18.54	13.47	47.6	49	12.6	6.9	449	2.01	5.4	1.8	1.9	10.1	19.7	0.24	0.59	0.13	40	0.29	0.075
1274569	Soil	0.55	20.62	13.31	46.1	70	14.1	9.1	500	2.05	7.1	1.1	80.2	6.4	20.4	0.17	0.70	0.14	45	0.32	0.088
1274570	Soil	0.70	23.30	10.93	52.2	94	10.1	6.4	296	2.34	4.5	2.6	1.8	4.3	13.4	0.10	0.55	0.14	57	0.19	0.077
1274571	Soil	0.48	14.56	9.80	33.9	47	10.1	6.4	367	1.68	5.4	1.1	4.1	7.2	21.2	0.15	0.55	0.12	38	0.36	0.087
1274572	Soil	1.28	16.71	15.80	49.1	65	9.2	5.4	634	2.07	5.1	3.0	2.0	0.9	16.5	0.19	0.55	0.20	38	0.16	0.086
1274573	Soil	0.63	21.11	9.83	40.5	81	19.9	9.2	325	2.32	19.6	1.0	2.4	3.2	23.4	0.22	2.00	0.12	42	0.30	0.073
1274574	Soil	1.03	15.40	10.87	43.7	79	10.5	5.5	222	2.48	6.5	1.0	1.8	3.0	18.5	0.26	0.56	0.16	52	0.20	0.105
1274575	Soil	0.64	19.83	13.00	43.5	50	13.3	8.0	447	2.29	7.8	1.6	5.2	7.5	31.2	0.19	0.69	0.15	54	0.38	0.076
1274576	Soil	0.59	15.71	8.57	33.4	52	12.0	6.5	217	1.90	7.4	1.2	1.9	3.4	15.9	0.19	0.57	0.13	45	0.19	0.058
1274577	Soil	0.79	15.35	9.31	39.9	41	10.7	5.7	253	1.86	6.8	1.1	2.6	2.7	20.5	0.18	0.60	0.15	48	0.24	0.053
1274578	Soil	3.19	31.95	27.18	93.0	536	23.4	11.6	896	3.53	9.9	81.2	4.8	5.3	34.5	0.22	0.61	0.36	64	0.55	0.182

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Project: Dogmatic
Report Date: November 01, 2011

CERTIFICATE OF ANALYSIS WHI11001386.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1274549	Soil	22.0	22.9	0.40	181.3	0.044	1	1.28	0.014	0.08	0.2	3.2	0.10	0.04	26	0.1	0.02	4.1
1274550	Soil	22.0	23.4	0.43	189.4	0.046	1	1.31	0.018	0.09	0.2	3.4	0.10	0.04	22	<0.1	<0.02	4.3
1274551	Soil	22.8	25.0	0.42	175.6	0.050	<1	1.30	0.016	0.09	0.2	3.5	0.10	0.03	25	<0.1	<0.02	4.4
1274552	Soil	24.4	25.0	0.43	190.1	0.045	<1	1.40	0.015	0.08	0.2	3.6	0.11	0.02	24	0.1	<0.02	4.5
1274553	Soil	22.9	23.9	0.41	167.3	0.049	<1	1.15	0.016	0.07	0.2	3.5	0.08	0.03	20	<0.1	<0.02	4.0
1274554	Soil	26.6	23.6	0.38	140.8	0.056	<1	1.14	0.015	0.09	0.2	3.6	0.08	<0.02	24	<0.1	<0.02	4.0
1274555	Soil	29.4	22.1	0.40	172.6	0.057	<1	1.23	0.016	0.11	0.2	4.1	0.09	<0.02	18	<0.1	<0.02	4.1
1274556	Soil	27.0	20.8	0.34	132.8	0.049	<1	1.10	0.012	0.09	0.2	3.4	0.07	<0.02	18	<0.1	<0.02	3.9
1274557	Soil	30.2	24.6	0.39	434.1	0.028	<1	1.18	0.011	0.08	0.2	4.3	0.08	0.03	37	<0.1	<0.02	3.7
1274558	Soil	34.2	24.8	0.40	366.0	0.032	<1	1.13	0.011	0.08	0.2	4.8	0.08	<0.02	21	<0.1	0.02	3.4
1274559	Soil	23.0	24.5	0.43	190.0	0.038	<1	1.25	0.011	0.11	0.2	2.7	0.08	0.04	24	0.1	<0.02	4.2
1274560	Soil	22.5	21.5	0.34	114.5	0.063	<1	0.93	0.012	0.06	0.2	3.0	0.07	<0.02	13	<0.1	<0.02	3.4
1274561	Soil	19.1	33.9	0.54	245.7	0.026	<1	1.96	0.008	0.09	0.3	2.3	0.14	0.05	43	0.2	<0.02	5.6
1274562	Soil	13.3	25.4	0.43	130.8	0.067	<1	1.22	0.007	0.09	0.3	2.4	0.10	0.03	29	0.1	0.02	5.7
1274563	Soil	21.5	20.4	0.35	139.5	0.050	<1	1.02	0.009	0.06	0.2	3.1	0.06	<0.02	16	<0.1	<0.02	3.3
1274564	Soil	21.5	27.2	0.43	249.4	0.021	<1	1.78	0.006	0.05	0.2	1.8	0.12	0.04	34	0.2	0.02	5.2
1274565	Soil	19.9	23.4	0.39	195.8	0.034	<1	1.30	0.006	0.06	0.2	2.6	0.07	<0.02	16	<0.1	<0.02	4.1
1274566	Soil	15.9	20.5	0.34	162.2	0.044	<1	1.00	0.008	0.06	0.2	2.2	0.05	<0.02	9	<0.1	<0.02	3.6
1274567	Soil	17.9	18.5	0.28	123.8	0.056	<1	0.82	0.010	0.04	0.2	2.2	0.05	<0.02	9	<0.1	<0.02	3.0
1274568	Soil	22.8	22.3	0.35	146.8	0.066	<1	1.13	0.013	0.08	0.2	3.7	0.07	<0.02	20	<0.1	<0.02	3.6
1274569	Soil	20.3	25.6	0.43	147.3	0.080	<1	1.26	0.014	0.08	0.2	3.4	0.09	<0.02	12	<0.1	<0.02	4.1
1274570	Soil	18.6	19.5	0.30	165.4	0.063	<1	1.21	0.012	0.06	0.2	2.7	0.06	<0.02	22	<0.1	<0.02	4.4
1274571	Soil	18.6	19.2	0.31	93.1	0.067	<1	0.82	0.016	0.06	0.2	2.7	0.06	<0.02	12	<0.1	<0.02	3.0
1274572	Soil	25.8	21.0	0.28	132.3	0.020	<1	1.41	0.010	0.07	0.2	1.3	0.11	0.05	23	0.1	<0.02	4.4
1274573	Soil	14.4	36.7	0.42	143.5	0.045	1	1.54	0.011	0.07	0.3	3.9	0.10	0.02	26	0.2	<0.02	3.8
1274574	Soil	10.9	29.4	0.36	82.7	0.074	<1	1.88	0.007	0.07	0.3	2.9	0.11	0.03	48	0.3	0.03	5.2
1274575	Soil	19.8	27.5	0.43	120.8	0.091	<1	1.31	0.015	0.07	0.2	4.0	0.07	<0.02	18	<0.1	<0.02	4.1
1274576	Soil	13.4	25.4	0.40	86.5	0.070	<1	1.67	0.009	0.05	0.3	3.0	0.08	<0.02	26	0.1	<0.02	4.0
1274577	Soil	13.9	25.4	0.39	105.5	0.082	<1	1.40	0.011	0.05	0.3	2.9	0.10	<0.02	19	<0.1	<0.02	4.7
1274578	Soil	57.7	47.9	0.64	631.4	0.027	<1	3.89	0.011	0.11	0.2	6.7	0.27	0.07	91	0.4	0.02	9.5

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Project: Dogmatic
Report Date: November 01, 2011

CERTIFICATE OF ANALYSIS WHI11001386.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1274579	Soil	2.26	28.64	24.22	72.4	334	19.7	7.1	285	3.19	10.0	50.4	3.6	4.5	38.5	0.12	0.65	0.31	62	0.50	0.145
1274580	Soil	1.01	13.23	7.48	30.2	66	10.0	5.2	231	1.56	9.7	9.1	6.1	2.7	16.5	0.11	0.42	0.21	36	0.22	0.053
1274581	Soil	0.55	18.43	8.91	39.4	44	13.1	6.7	258	1.92	7.6	2.1	4.5	2.0	20.4	0.15	0.59	0.17	45	0.30	0.073
1274582	Soil	0.53	16.19	10.94	35.3	36	10.7	6.9	342	1.87	7.6	1.1	2.6	7.0	26.0	0.16	0.67	0.15	46	0.40	0.101
1274583	Soil	0.56	25.85	11.29	52.4	66	17.5	7.5	301	2.46	10.8	1.3	5.0	3.2	24.8	0.22	0.67	0.18	54	0.31	0.073
1274584	Soil	0.89	11.93	7.19	27.5	49	7.4	3.9	176	1.53	4.8	4.2	0.7	1.8	14.4	0.09	0.37	0.13	34	0.17	0.066
1274585	Soil	1.58	18.04	11.60	48.8	99	12.5	5.2	309	2.35	6.4	5.9	4.1	2.2	25.8	0.35	0.64	0.30	57	0.30	0.056
1274586	Soil	0.60	19.62	11.74	43.6	53	12.2	6.2	343	2.03	6.2	5.2	8.6	4.1	16.2	0.11	0.64	0.18	43	0.25	0.087
1274587	Soil	0.72	15.34	9.85	35.6	42	11.5	5.5	204	2.22	8.6	0.8	4.2	4.2	26.4	0.16	0.55	0.22	48	0.47	0.076
1274588	Soil	0.42	14.27	7.45	33.2	35	10.5	5.1	245	1.66	6.3	0.7	2.7	4.6	28.4	0.12	0.59	0.12	40	0.40	0.091
1274589	Soil	0.60	14.69	9.86	34.4	60	11.0	5.0	207	1.91	6.7	0.8	2.7	3.3	22.3	0.12	0.58	0.18	45	0.30	0.057
1274590	Soil	0.63	13.70	9.72	36.6	35	11.6	5.2	207	2.04	6.7	0.9	3.9	2.2	16.8	0.12	0.55	0.16	42	0.23	0.069
1274591	Soil	0.52	20.28	9.92	41.7	61	13.4	7.2	333	1.97	10.0	0.8	4.0	4.5	33.7	0.15	0.69	0.15	47	0.54	0.092
1274592	Soil	0.56	16.42	10.30	42.0	57	11.8	6.3	317	2.01	6.7	0.8	2.3	1.3	26.8	0.11	0.54	0.17	47	0.40	0.083
1274593	Soil	0.55	22.93	11.77	48.8	76	15.6	7.7	297	2.41	9.9	0.9	4.2	3.5	27.5	0.13	0.72	0.18	54	0.37	0.061
1274594	Soil	1.03	18.19	12.40	37.0	124	11.3	5.9	273	2.20	6.7	1.1	3.6	0.8	17.7	0.18	0.57	0.22	48	0.17	0.092
1274595	Soil	0.81	17.73	10.19	36.0	104	11.2	5.1	223	1.97	6.7	1.5	2.3	1.1	17.9	0.11	0.62	0.32	46	0.21	0.061
1274596	Rock Pulp	3.75	23.95	2.59	35.8	193	20.7	7.3	311	1.93	3.4	0.3	2.6	1.0	30.3	0.14	0.30	0.09	43	0.64	0.054
1274597	Soil	0.46	20.62	11.77	56.5	81	14.2	6.2	351	2.00	6.2	1.1	3.6	6.9	30.2	0.19	0.60	0.15	41	0.42	0.080
1274598	Soil	0.51	14.83	10.69	53.9	46	12.5	6.1	361	1.91	5.1	2.2	2.9	3.6	24.6	0.15	0.48	0.15	40	0.27	0.057
1274599	Soil	0.45	20.25	13.87	56.6	76	16.4	8.8	305	2.17	7.0	2.1	2.4	5.6	26.3	0.18	0.64	0.17	47	0.34	0.075
1274600	Soil	0.40	12.58	6.11	27.8	33	9.0	4.8	214	1.60	5.4	0.6	2.9	4.2	20.8	0.12	0.52	0.10	38	0.29	0.071
1274601	Soil	0.35	25.12	15.21	68.9	92	19.3	8.9	383	2.25	6.5	2.4	3.2	7.1	36.2	0.18	0.76	0.20	51	0.58	0.075
1274602	Soil	0.43	26.57	11.76	67.6	113	18.5	7.3	402	2.24	7.0	2.0	3.4	6.3	36.9	0.14	0.71	0.19	48	0.58	0.078
1274603	Soil	0.38	28.69	13.01	61.8	116	20.2	8.8	417	2.17	7.6	1.7	3.3	7.2	36.2	0.27	0.73	0.19	51	0.58	0.081
1274604	Soil	0.37	19.35	9.64	43.8	64	13.8	5.4	297	1.73	6.5	0.7	3.8	6.3	29.4	0.17	0.58	0.12	37	0.42	0.083
1274605	Soil	0.66	35.64	13.43	73.2	135	23.5	10.3	521	2.47	9.6	1.0	3.0	7.4	49.4	0.38	0.92	0.21	52	1.33	0.094
1274606	Soil	0.55	15.48	10.02	43.6	100	14.4	6.6	366	1.81	5.8	1.0	2.9	4.5	33.4	0.23	0.51	0.15	37	0.59	0.077
1274607	Soil	0.44	32.57	14.56	69.9	123	21.6	9.8	406	2.48	9.9	1.2	3.8	7.7	37.4	0.32	0.93	0.20	51	0.63	0.082
1274608	Soil	0.50	29.59	12.54	61.3	112	19.7	8.9	395	2.25	7.5	2.2	4.1	7.8	37.0	0.24	0.78	0.19	49	0.63	0.083

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Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1274579	Soil	47.0	44.0	0.54	457.5	0.040	<1	3.36	0.012	0.11	0.3	5.9	0.25	0.06	61	0.4	<0.02	8.7
1274580	Soil	11.8	20.2	0.36	114.2	0.063	<1	1.16	0.016	0.05	0.3	2.2	0.06	<0.02	13	<0.1	0.04	3.9
1274581	Soil	15.2	25.1	0.42	125.5	0.066	<1	1.55	0.013	0.06	0.3	2.8	0.09	0.02	14	0.2	0.02	4.4
1274582	Soil	21.3	22.9	0.37	90.9	0.090	<1	0.92	0.017	0.06	0.2	3.1	0.06	<0.02	9	<0.1	<0.02	3.2
1274583	Soil	16.3	32.9	0.56	134.8	0.077	<1	2.05	0.012	0.09	0.4	4.1	0.13	<0.02	30	<0.1	0.03	5.6
1274584	Soil	12.7	16.9	0.32	90.8	0.058	<1	1.21	0.018	0.05	0.2	2.0	0.08	0.03	17	0.2	<0.02	4.5
1274585	Soil	16.7	28.4	0.51	191.4	0.093	1	1.42	0.012	0.10	0.4	2.9	0.11	0.04	26	<0.1	0.04	7.5
1274586	Soil	19.6	23.3	0.41	165.6	0.048	<1	1.49	0.012	0.06	0.2	2.9	0.09	<0.02	11	<0.1	<0.02	4.4
1274587	Soil	11.9	26.9	0.44	81.2	0.080	1	2.00	0.011	0.07	0.4	2.9	0.12	<0.02	18	0.2	<0.02	5.5
1274588	Soil	16.3	20.6	0.37	83.4	0.080	<1	0.94	0.025	0.06	0.3	2.7	0.06	<0.02	<5	<0.1	<0.02	3.1
1274589	Soil	12.5	24.8	0.39	102.8	0.064	1	1.62	0.015	0.06	0.4	2.8	0.10	<0.02	16	<0.1	0.02	5.2
1274590	Soil	12.4	23.6	0.40	71.3	0.049	<1	1.44	0.010	0.05	0.2	2.2	0.09	<0.02	19	<0.1	<0.02	4.4
1274591	Soil	17.0	27.0	0.50	107.9	0.093	<1	1.27	0.030	0.08	0.3	3.7	0.09	<0.02	8	<0.1	<0.02	4.2
1274592	Soil	11.0	25.1	0.43	124.5	0.057	1	1.52	0.017	0.07	0.3	2.5	0.10	0.03	11	0.2	0.02	5.1
1274593	Soil	14.2	30.9	0.55	142.6	0.071	<1	1.88	0.015	0.08	0.3	4.2	0.11	<0.02	17	<0.1	0.04	5.9
1274594	Soil	13.1	25.7	0.34	153.6	0.041	<1	1.90	0.010	0.05	0.3	2.3	0.13	0.04	43	0.1	0.02	5.9
1274595	Soil	16.0	24.9	0.36	115.8	0.055	1	1.85	0.011	0.05	0.3	2.6	0.09	0.03	23	0.2	<0.02	5.4
1274596	Rock Pulp	4.8	31.6	0.49	72.6	0.108	4	1.01	0.053	0.06	8.3	3.6	0.06	0.04	21	0.2	0.03	3.8
1274597	Soil	20.8	27.1	0.45	134.0	0.088	<1	1.44	0.020	0.11	0.2	4.1	0.09	<0.02	13	<0.1	<0.02	4.5
1274598	Soil	17.1	24.5	0.43	167.0	0.057	<1	1.41	0.015	0.07	0.2	3.1	0.08	<0.02	17	<0.1	<0.02	4.4
1274599	Soil	19.9	28.5	0.52	221.4	0.064	1	1.77	0.019	0.10	0.2	4.1	0.13	<0.02	13	<0.1	0.03	5.4
1274600	Soil	13.4	19.7	0.31	71.8	0.068	<1	0.85	0.016	0.04	0.2	2.3	0.05	<0.02	<5	<0.1	<0.02	2.7
1274601	Soil	20.6	36.0	0.65	221.8	0.092	1	1.94	0.022	0.13	0.2	5.1	0.15	<0.02	11	0.1	0.04	6.2
1274602	Soil	19.9	33.3	0.63	241.3	0.080	<1	1.91	0.024	0.12	0.2	4.9	0.16	0.02	16	<0.1	<0.02	6.0
1274603	Soil	20.6	34.0	0.62	229.1	0.090	1	1.84	0.025	0.14	0.2	4.8	0.14	0.02	28	<0.1	0.03	5.9
1274604	Soil	18.4	23.7	0.44	123.4	0.082	<1	1.22	0.024	0.09	0.1	3.5	0.10	<0.02	14	<0.1	0.02	3.9
1274605	Soil	20.3	36.3	0.75	187.4	0.112	2	1.77	0.039	0.22	0.2	5.3	0.18	<0.02	22	0.1	0.03	5.6
1274606	Soil	18.4	25.3	0.45	163.4	0.060	1	1.17	0.027	0.09	0.2	3.2	0.11	0.02	28	<0.1	0.02	3.9
1274607	Soil	20.6	35.9	0.68	179.9	0.112	1	1.72	0.032	0.19	0.2	5.4	0.17	<0.02	16	0.1	0.03	5.6
1274608	Soil	21.8	33.4	0.62	199.0	0.106	2	1.63	0.032	0.16	0.2	5.1	0.15	<0.02	18	0.2	<0.02	5.3

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Carcross Yukon Y0B 1B0 Canada

Project: Dogmatic
Report Date: November 01, 2011

CERTIFICATE OF ANALYSIS WHI11001386.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1274609	Soil	0.51	20.66	12.43	47.4	72	14.8	8.3	502	2.05	6.9	1.3	9.8	8.0	31.3	0.21	0.72	0.16	42	0.45	0.076
1274610	Soil	0.59	20.81	13.59	51.9	88	15.2	7.0	400	2.13	6.4	1.9	22.1	8.6	35.5	0.14	0.64	0.18	43	0.49	0.072
1274611	Soil	0.71	34.62	16.60	75.9	125	22.4	9.4	492	2.89	9.7	2.3	2.9	9.1	44.4	0.15	0.84	0.23	56	0.68	0.062
1274612	Soil	0.41	27.28	11.49	60.1	103	19.0	8.5	528	2.33	7.6	1.0	2.7	7.3	31.4	0.26	0.65	0.19	48	0.44	0.086
1274613	Soil	0.45	23.57	11.98	58.0	101	15.7	6.4	289	2.10	7.0	1.5	4.0	8.4	28.2	0.17	0.63	0.16	44	0.45	0.080
1274614	Soil	0.51	25.67	13.55	61.2	108	16.9	7.0	488	2.04	5.9	1.6	3.4	8.6	27.6	0.26	0.63	0.18	45	0.43	0.083
1274615	Soil	0.41	22.16	12.76	64.2	95	17.0	7.2	482	2.00	5.8	1.8	2.0	6.8	29.5	0.20	0.63	0.17	43	0.43	0.081
1274616	Soil	0.46	25.13	13.40	68.4	113	17.5	8.6	537	2.29	6.5	2.5	2.3	9.4	32.6	0.22	0.68	0.19	46	0.44	0.083
1274617	Soil	0.47	22.65	9.95	63.1	113	17.5	6.4	488	2.11	6.0	4.0	3.6	5.4	31.3	0.13	0.55	0.18	43	0.42	0.065
1274618	Soil	0.52	21.14	10.87	60.1	94	16.8	6.7	549	2.07	6.3	3.4	2.8	6.0	30.7	0.12	0.56	0.18	44	0.39	0.057
1274619	Soil	0.50	22.42	11.95	46.5	58	15.7	5.8	323	2.02	5.8	6.2	2.2	5.1	25.2	0.10	0.56	0.15	41	0.33	0.058
1274620	Soil	0.39	20.45	9.61	41.5	77	13.4	6.2	346	1.78	6.4	1.1	4.6	7.0	26.3	0.20	0.59	0.12	38	0.53	0.086
1274621	Soil	0.58	19.92	13.60	48.3	73	14.4	7.5	434	1.89	6.9	1.6	5.2	6.7	25.7	0.30	0.65	0.25	36	0.59	0.082
1274622	Soil	0.54	16.10	9.35	41.2	68	13.8	6.5	344	1.79	6.1	1.0	1.7	2.5	17.7	0.17	0.51	0.19	36	0.34	0.066
1274623	Soil	0.59	23.63	12.62	52.3	106	18.1	8.9	477	2.19	9.5	0.9	2.8	6.0	23.4	0.27	0.72	0.19	40	0.46	0.075
1274624	Soil	0.67	19.49	14.31	49.2	87	15.8	7.4	455	2.03	6.0	1.8	2.5	5.2	24.8	0.19	0.54	0.19	37	0.39	0.055
1274625	Soil	0.88	24.40	19.92	80.1	121	19.9	9.3	578	2.85	8.6	3.5	1.8	6.3	33.2	0.14	0.65	0.29	46	0.46	0.066
1274626	Soil	0.35	19.98	12.17	53.6	89	15.5	6.0	368	1.77	5.1	1.6	4.1	5.4	19.6	0.26	0.53	0.18	36	0.38	0.063
1274627	Soil	0.95	11.43	11.15	28.2	102	10.8	4.4	112	1.71	5.3	3.9	2.1	4.1	20.5	0.18	0.40	0.16	35	0.35	0.060
1274628	Soil	0.97	14.51	12.83	56.8	74	11.9	6.8	400	1.96	6.2	1.1	1.4	0.4	18.3	0.39	0.62	0.16	37	0.22	0.096
1274629	Soil	0.79	17.18	11.08	49.7	67	13.0	6.9	410	2.18	7.5	1.2	1.2	0.3	18.8	0.25	0.52	0.18	41	0.27	0.079
1274630	Soil	0.84	21.02	14.90	59.0	151	17.5	8.8	544	2.36	6.2	1.1	0.9	0.9	26.4	0.32	0.75	0.17	46	0.35	0.096
1274631	Soil	0.61	14.23	9.82	36.5	67	13.2	6.5	296	1.83	6.0	1.1	1.6	0.7	15.5	0.17	0.60	0.14	37	0.22	0.084
1274632	Soil	0.50	9.11	7.08	33.0	33	8.4	4.4	226	1.40	4.4	0.6	0.6	1.0	11.7	0.18	0.39	0.09	28	0.15	0.052
1274633	Soil	0.85	11.07	9.35	33.5	94	10.1	5.2	208	2.02	5.3	0.8	1.7	3.5	13.4	0.20	0.46	0.14	40	0.18	0.070
1274634	Soil	0.45	16.04	11.57	36.5	54	13.5	6.6	276	1.80	6.7	0.7	2.6	4.4	19.0	0.15	0.50	0.13	36	0.25	0.066
1274635	Soil	0.46	14.51	8.54	37.5	29	11.7	5.8	289	1.57	5.8	0.6	1.8	2.7	15.8	0.16	0.47	0.11	31	0.21	0.066
1274636	Soil	0.72	9.95	10.15	44.9	111	10.4	5.3	242	1.76	6.4	0.4	1.1	3.0	14.8	0.20	0.41	0.14	35	0.18	0.049
1274637	Soil	0.50	9.38	9.75	38.8	17	10.2	5.6	236	1.70	5.6	0.5	1.0	2.8	14.5	0.21	0.43	0.10	33	0.30	0.080
1274638	Soil	0.60	20.93	13.54	51.9	62	15.7	7.7	393	2.25	6.9	0.9	3.2	5.5	16.5	0.24	0.50	0.12	48	0.30	0.077

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1274609	Soil	21.2	25.0	0.47	159.0	0.085	<1	1.25	0.031	0.11	0.2	3.9	0.11	<0.02	6	<0.1	0.02	4.0
1274610	Soil	22.7	27.4	0.50	205.8	0.081	1	1.37	0.023	0.12	0.2	4.1	0.10	<0.02	19	<0.1	<0.02	4.5
1274611	Soil	25.5	36.1	0.73	275.2	0.092	2	2.24	0.026	0.19	0.2	6.0	0.17	0.04	37	0.2	0.04	7.0
1274612	Soil	20.7	32.0	0.60	187.3	0.089	1	1.75	0.024	0.16	0.2	4.7	0.15	0.03	22	0.1	0.03	5.3
1274613	Soil	22.8	29.6	0.47	162.0	0.090	<1	1.64	0.019	0.11	0.2	4.8	0.10	<0.02	16	<0.1	0.04	5.0
1274614	Soil	24.3	30.0	0.52	161.6	0.087	2	1.75	0.018	0.12	0.2	5.1	0.12	<0.02	16	<0.1	<0.02	5.3
1274615	Soil	20.5	28.5	0.50	194.7	0.070	<1	1.63	0.020	0.11	0.2	4.3	0.12	0.02	20	0.1	0.02	4.9
1274616	Soil	24.2	31.4	0.58	223.8	0.076	<1	1.85	0.019	0.12	0.2	5.0	0.13	<0.02	25	0.1	<0.02	5.5
1274617	Soil	21.3	30.7	0.57	229.7	0.059	1	1.81	0.019	0.11	0.2	4.5	0.13	0.03	27	0.1	<0.02	5.3
1274618	Soil	19.9	30.5	0.56	216.4	0.071	1	1.70	0.020	0.11	0.2	4.3	0.12	0.02	15	0.1	<0.02	4.9
1274619	Soil	21.3	25.6	0.47	226.0	0.051	<1	1.48	0.016	0.07	0.2	3.6	0.10	<0.02	13	<0.1	<0.02	4.3
1274620	Soil	19.8	22.5	0.43	114.8	0.072	1	1.04	0.022	0.09	0.2	3.6	0.08	<0.02	10	<0.1	<0.02	3.5
1274621	Soil	18.5	23.2	0.47	131.3	0.058	1	1.02	0.022	0.10	0.2	2.6	0.08	<0.02	18	0.1	0.02	3.5
1274622	Soil	12.4	21.5	0.44	129.0	0.043	1	1.11	0.015	0.06	0.2	1.6	0.06	0.02	9	0.2	<0.02	3.3
1274623	Soil	16.3	26.8	0.51	136.5	0.061	<1	1.23	0.022	0.11	0.2	3.3	0.09	<0.02	16	<0.1	0.05	3.7
1274624	Soil	17.2	25.6	0.49	202.9	0.044	1	1.32	0.019	0.08	0.2	2.4	0.09	<0.02	12	0.2	0.06	3.8
1274625	Soil	30.3	32.4	0.66	285.9	0.050	<1	1.99	0.020	0.14	0.2	3.9	0.13	0.03	20	0.2	0.03	5.9
1274626	Soil	17.4	27.3	0.47	165.7	0.049	<1	1.52	0.013	0.10	0.2	3.0	0.09	0.02	16	0.2	<0.02	4.2
1274627	Soil	16.5	23.5	0.33	158.5	0.030	<1	1.38	0.011	0.04	0.2	2.4	0.07	0.04	20	0.3	<0.02	4.3
1274628	Soil	13.0	24.5	0.35	113.3	0.018	<1	1.50	0.009	0.07	0.1	0.5	0.06	0.06	27	0.1	<0.02	4.1
1274629	Soil	13.4	27.6	0.43	125.4	0.025	1	1.58	0.009	0.06	0.1	0.7	0.07	0.05	20	0.1	0.05	4.9
1274630	Soil	12.9	29.0	0.62	201.6	0.032	<1	1.54	0.011	0.08	0.2	1.6	0.05	0.04	22	0.2	0.04	4.7
1274631	Soil	12.0	24.0	0.43	122.3	0.029	<1	1.63	0.007	0.04	0.1	1.1	0.05	0.03	22	0.3	0.02	4.0
1274632	Soil	9.5	15.7	0.26	68.0	0.035	<1	0.86	0.007	0.04	0.1	1.1	0.03	<0.02	7	0.1	0.03	2.7
1274633	Soil	11.3	23.7	0.30	96.0	0.059	<1	1.80	0.006	0.04	0.2	2.2	0.05	<0.02	40	0.3	0.05	4.1
1274634	Soil	15.7	22.2	0.45	135.8	0.052	<1	1.44	0.010	0.04	0.2	2.4	0.06	<0.02	12	<0.1	<0.02	3.7
1274635	Soil	11.8	18.2	0.35	105.1	0.049	<1	1.12	0.008	0.05	0.2	1.6	0.04	<0.02	6	0.1	0.02	3.2
1274636	Soil	8.7	20.1	0.35	87.8	0.059	<1	1.00	0.008	0.08	0.2	1.7	0.04	<0.02	19	0.2	0.03	3.9
1274637	Soil	10.5	19.7	0.33	76.9	0.042	<1	0.94	0.008	0.07	0.2	1.5	0.04	<0.02	10	0.3	0.03	3.0
1274638	Soil	14.8	24.6	0.49	165.3	0.053	<1	1.32	0.013	0.08	0.1	2.6	0.05	<0.02	9	0.1	<0.02	4.0

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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1274639	Soil	0.42	14.47	7.79	33.9	58	12.2	5.8	267	1.62	6.6	0.6	10.2	3.8	19.0	0.08	0.50	0.11	32	0.29	0.060
1274640	Soil	0.52	15.86	10.23	41.7	41	13.7	7.2	338	1.93	7.0	0.7	1.5	4.3	23.1	0.14	0.52	0.13	41	0.39	0.070
1274641	Soil	0.63	21.10	10.24	42.7	112	14.9	8.1	428	2.10	7.6	1.3	2.9	2.0	27.3	0.11	0.53	0.16	46	0.63	0.068
1274642	Soil	0.69	18.36	11.72	53.4	62	14.8	8.3	488	2.34	8.3	0.8	6.4	1.8	21.1	0.18	0.59	0.17	48	0.29	0.078
1274643	Soil	0.79	17.67	9.68	49.7	64	16.0	7.4	372	2.55	9.0	0.7	0.6	2.3	19.8	0.15	0.57	0.26	53	0.35	0.060
1274644	Soil	0.64	19.17	9.47	51.3	130	14.6	6.4	326	2.08	8.0	1.1	2.1	0.4	18.4	0.15	0.59	0.19	42	0.24	0.080
1274645	Soil	0.42	11.93	5.61	27.4	21	9.7	5.3	237	1.45	4.8	0.5	1.3	3.2	20.1	0.08	0.41	0.10	34	0.34	0.072
1274646	Soil	1.25	14.56	9.28	47.1	124	8.2	5.2	668	1.66	4.2	0.9	1.0	0.1	20.1	0.29	0.45	0.20	36	0.24	0.082
1274647	Soil	1.11	10.44	12.57	33.2	34	10.2	4.9	238	2.28	6.4	0.5	1.2	2.7	15.4	0.32	0.44	0.18	46	0.20	0.053
1274648	Soil	1.11	14.15	13.99	49.8	85	12.8	7.0	325	2.17	7.0	0.9	1.2	3.3	17.5	0.38	0.55	0.16	42	0.24	0.066
1274649	Soil	0.49	11.76	9.18	39.9	54	11.0	6.0	469	1.61	5.0	0.7	1.2	2.7	14.4	0.19	0.39	0.10	32	0.22	0.070
1274650	Soil	1.32	11.59	12.84	53.5	53	11.3	5.7	410	2.48	6.5	0.7	1.6	2.8	15.8	0.35	0.53	0.19	53	0.17	0.054
1274651	Soil	0.83	14.82	11.79	46.8	95	11.8	6.5	460	1.92	5.6	0.9	1.5	0.7	15.9	0.27	0.44	0.13	39	0.23	0.090
1274701	Soil	0.84	25.61	13.51	152.3	125	17.3	16.5	1214	2.60	8.7	0.5	3.4	1.0	29.9	1.29	0.63	0.29	46	0.40	0.086
1274702	Soil	0.36	14.79	5.19	32.9	75	14.5	5.6	147	1.36	4.5	0.7	4.0	1.7	18.0	0.18	0.32	0.16	30	0.24	0.085
1274703	Soil	1.04	13.37	9.49	48.2	68	11.3	9.1	701	1.85	7.7	0.4	2.5	1.3	15.7	0.36	0.47	0.23	42	0.21	0.058
1274704	Soil	0.77	27.35	27.30	89.2	138	21.7	10.9	480	2.57	19.2	0.6	4.1	3.4	36.8	0.26	0.60	0.21	57	0.38	0.112
1274705	Soil	0.49	13.96	7.69	48.3	52	16.4	6.2	204	1.78	6.5	0.6	2.8	0.5	17.5	0.18	0.40	0.15	37	0.22	0.060
1274706	Soil	0.80	21.34	10.62	54.1	152	23.2	9.1	320	2.68	50.5	0.6	4.9	2.6	25.9	0.15	0.63	0.26	61	0.26	0.031
1274707	Soil	0.95	22.63	12.44	55.7	213	19.3	9.8	350	2.71	16.0	0.6	1.8	2.7	28.8	0.16	0.79	0.24	56	0.35	0.072
1274708	Soil	0.83	30.66	8.23	71.2	158	19.0	7.7	402	2.23	11.0	2.2	16.1	1.9	38.2	0.52	0.63	0.24	51	0.62	0.102
1274709	Soil	1.07	19.87	10.36	102.3	123	17.4	8.3	338	2.32	10.4	0.7	1.9	4.2	25.2	0.41	0.62	0.31	51	0.33	0.062
1274710	Soil	0.61	13.26	9.16	59.6	38	16.2	7.4	349	2.12	6.1	0.9	7.4	2.2	19.1	0.18	0.57	0.13	44	0.29	0.056
1274711	Soil	0.63	17.41	10.20	46.6	64	15.7	7.6	416	2.01	7.3	1.1	2.5	4.4	26.7	0.18	0.62	0.14	42	0.43	0.063
1274712	Soil	0.76	15.63	8.37	71.5	130	13.0	5.4	311	1.76	5.9	3.0	2.9	0.4	30.1	0.28	0.49	0.16	36	0.48	0.114
1274713	Soil	0.85	13.50	9.32	49.3	54	12.0	5.7	370	1.82	6.3	0.8	1.8	0.6	15.7	0.20	0.48	0.17	37	0.17	0.069
1274714	Soil	0.93	13.60	10.61	49.7	109	12.1	6.1	423	1.94	6.0	1.0	1.9	0.5	15.1	0.18	0.48	0.16	41	0.18	0.071
1274715	Soil	1.07	18.78	10.94	50.1	267	11.9	6.3	396	1.78	5.6	1.3	1.8	1.2	17.4	0.14	0.45	0.15	36	0.24	0.078
1274716	Soil	0.65	10.94	9.28	36.5	72	7.8	5.1	414	1.46	4.8	0.9	1.9	0.5	15.9	0.24	0.40	0.10	31	0.18	0.070
1274717	Soil	0.58	14.00	9.09	35.9	72	9.9	4.8	270	1.55	5.6	0.8	1.3	0.8	17.3	0.16	0.47	0.13	34	0.23	0.068

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Client: **Pika Exploration Inc**
Box 218
Carcross Yukon Y0B 1B0 Canada

Project: Dogmatic
Report Date: November 01, 2011

CERTIFICATE OF ANALYSIS WHI11001386.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1274639	Soil	12.3	19.9	0.37	112.6	0.046	<1	1.12	0.013	0.05	0.2	2.0	0.05	<0.02	10	<0.1	0.02	3.1
1274640	Soil	13.0	24.4	0.49	118.9	0.060	<1	1.20	0.016	0.06	0.2	2.4	0.06	<0.02	10	<0.1	<0.02	3.9
1274641	Soil	13.9	27.2	0.53	147.1	0.051	<1	1.35	0.017	0.07	0.3	2.5	0.08	<0.02	15	0.3	0.04	4.5
1274642	Soil	13.4	28.6	0.49	123.5	0.050	<1	1.50	0.010	0.07	0.2	2.1	0.07	<0.02	19	0.1	0.02	5.1
1274643	Soil	10.2	30.6	0.56	122.9	0.082	<1	1.61	0.013	0.11	0.3	2.5	0.07	<0.02	18	0.1	0.03	6.3
1274644	Soil	14.9	27.4	0.48	119.3	0.031	<1	1.77	0.010	0.06	0.2	1.3	0.10	0.04	36	0.3	0.03	5.0
1274645	Soil	11.4	19.3	0.33	71.5	0.059	1	0.80	0.019	0.04	0.3	1.8	0.04	<0.02	<5	0.2	0.04	2.7
1274646	Soil	12.4	19.2	0.24	129.0	0.023	<1	1.23	0.008	0.08	0.2	0.5	0.09	0.07	25	0.2	<0.02	4.9
1274647	Soil	8.7	23.2	0.28	82.3	0.062	<1	1.29	0.006	0.05	0.2	1.6	0.06	<0.02	34	0.2	0.05	5.4
1274648	Soil	11.5	26.2	0.35	125.3	0.051	2	1.56	0.010	0.07	0.2	2.2	0.07	0.03	65	0.4	0.02	4.2
1274649	Soil	12.1	17.9	0.32	93.7	0.041	<1	0.92	0.009	0.05	0.1	1.6	0.04	<0.02	20	0.1	0.02	2.9
1274650	Soil	9.7	25.5	0.31	116.3	0.072	<1	1.19	0.008	0.06	0.2	1.9	0.07	0.02	52	0.3	0.03	5.5
1274651	Soil	12.6	23.0	0.35	102.2	0.034	<1	1.32	0.009	0.06	0.1	1.1	0.05	0.04	36	0.2	<0.02	3.7
1274701	Soil	9.2	32.5	0.70	189.9	0.054	1	1.52	0.010	0.15	0.3	2.5	0.07	0.02	23	0.2	0.06	5.4
1274702	Soil	12.6	22.8	0.44	83.6	0.051	1	1.49	0.009	0.08	0.2	2.1	0.07	<0.02	13	<0.1	<0.02	3.7
1274703	Soil	8.1	23.3	0.41	88.5	0.075	<1	1.05	0.011	0.10	0.6	2.0	0.07	<0.02	11	0.2	0.03	5.1
1274704	Soil	11.1	40.9	0.82	170.9	0.115	<1	2.28	0.034	0.23	0.5	3.1	0.16	<0.02	13	<0.1	0.02	6.7
1274705	Soil	10.1	28.2	0.50	99.0	0.042	<1	1.49	0.009	0.08	0.3	1.4	0.08	<0.02	15	0.2	<0.02	4.6
1274706	Soil	8.9	34.4	0.73	126.8	0.089	2	2.31	0.011	0.10	0.7	3.1	0.13	<0.02	13	0.4	<0.02	7.0
1274707	Soil	9.9	34.2	0.70	114.2	0.081	1	2.12	0.016	0.15	0.6	3.1	0.12	<0.02	32	0.6	0.03	5.8
1274708	Soil	16.4	35.7	0.62	184.3	0.069	2	1.87	0.024	0.10	0.6	3.2	0.13	<0.02	16	0.3	0.05	5.2
1274709	Soil	11.4	33.5	0.57	141.5	0.091	2	1.63	0.015	0.13	0.7	3.2	0.10	<0.02	<5	0.1	<0.02	5.9
1274710	Soil	12.7	30.7	0.51	122.3	0.050	1	1.17	0.011	0.09	0.2	2.1	0.05	<0.02	8	0.2	<0.02	4.3
1274711	Soil	15.6	30.0	0.49	184.8	0.070	1	1.41	0.020	0.08	0.2	2.9	0.09	<0.02	7	0.1	<0.02	4.1
1274712	Soil	12.1	27.7	0.46	188.1	0.026	2	1.47	0.014	0.08	0.2	1.1	0.08	0.06	22	0.4	0.03	4.4
1274713	Soil	11.2	25.3	0.38	82.3	0.038	2	1.25	0.009	0.06	0.2	1.1	0.06	0.03	11	0.5	0.05	4.3
1274714	Soil	14.8	26.7	0.43	144.9	0.034	1	1.50	0.010	0.06	0.2	1.3	0.09	0.04	19	0.4	<0.02	5.0
1274715	Soil	22.3	22.8	0.39	157.5	0.038	1	1.54	0.017	0.06	0.2	2.1	0.09	0.04	19	0.7	0.06	4.2
1274716	Soil	14.8	17.8	0.28	93.2	0.029	1	1.02	0.007	0.05	0.1	0.9	0.04	0.04	9	0.3	<0.02	2.9
1274717	Soil	12.9	19.4	0.36	111.9	0.039	1	1.12	0.012	0.05	0.2	1.4	0.07	0.03	6	0.3	0.03	3.8

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1274718	Soil	0.47	16.35	10.71	41.6	94	14.3	6.7	304	2.08	7.8	0.9	4.3	4.0	19.2	0.18	0.54	0.13	43	0.33	0.061
1274719	Soil	0.63	15.44	11.26	43.9	92	11.9	6.2	395	1.95	5.6	1.0	0.7	5.8	14.7	0.22	0.46	0.14	41	0.27	0.085
1274720	Soil	0.58	13.34	9.79	38.9	87	10.0	4.9	333	1.56	4.7	0.9	2.5	1.8	12.9	0.18	0.39	0.14	34	0.21	0.074
1274721	Soil	0.71	18.71	11.87	46.5	54	15.9	7.4	387	2.13	8.6	1.0	3.7	3.3	23.0	0.22	0.57	0.16	44	0.28	0.063
1274722	Soil	0.80	13.66	13.24	48.8	45	10.6	5.5	389	1.90	5.3	1.1	1.8	5.3	11.1	0.20	0.45	0.15	39	0.22	0.068
1274723	Soil	0.53	17.62	10.04	41.7	37	14.1	7.0	360	1.99	7.7	0.9	3.3	5.1	29.8	0.15	0.59	0.14	45	0.39	0.077
1274724	Soil	0.69	19.80	11.82	46.3	49	16.2	8.3	398	2.27	8.9	1.0	13.4	5.5	30.0	0.07	0.63	0.19	53	0.39	0.077
1274725	Soil	0.61	22.56	11.05	48.3	71	15.8	8.1	397	2.34	9.1	1.1	2.4	5.0	22.1	0.15	0.67	0.17	54	0.37	0.070
1274726	Soil	0.59	18.39	9.09	43.1	38	14.0	6.7	324	1.99	7.5	0.9	3.1	4.5	24.7	0.14	0.57	0.16	48	0.40	0.080
1274727	Soil	1.11	15.30	8.98	44.6	49	13.2	5.9	269	2.45	8.5	0.7	5.7	2.3	16.3	0.18	0.56	0.20	55	0.22	0.040
1274728	Soil	0.74	17.85	9.62	48.9	60	14.5	7.0	289	2.58	10.0	0.8	1.6	3.4	21.2	0.18	0.63	0.17	56	0.36	0.057
1274729	Soil	0.63	16.73	9.41	42.2	65	13.4	7.0	271	2.16	8.7	0.9	2.6	3.8	19.8	0.16	0.60	0.16	50	0.33	0.062
1274730	Soil	0.60	15.47	8.97	40.0	72	12.5	6.1	233	2.08	8.3	0.7	2.4	3.3	17.3	0.15	0.57	0.15	47	0.30	0.050

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	Analyte	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1274718	Soil	16.3	26.5	0.47	132.1	0.055	<1	1.48	0.010	0.06	0.2	2.7	0.07	<0.02	6	0.4	0.03	4.3
1274719	Soil	16.2	21.6	0.43	165.8	0.052	<1	1.14	0.011	0.06	0.1	2.4	0.03	<0.02	<5	0.2	0.09	3.4
1274720	Soil	15.1	18.4	0.34	102.6	0.041	<1	0.97	0.010	0.05	0.2	1.6	0.06	<0.02	12	<0.1	0.05	3.0
1274721	Soil	18.4	28.5	0.50	149.3	0.059	<1	1.66	0.012	0.06	0.2	2.8	0.08	<0.02	17	0.3	0.03	4.6
1274722	Soil	16.6	21.2	0.38	131.4	0.050	<1	0.98	0.008	0.06	0.2	2.1	0.04	<0.02	9	0.3	<0.02	3.2
1274723	Soil	18.3	26.6	0.48	126.3	0.079	<1	1.21	0.016	0.05	0.2	3.2	0.06	<0.02	<5	0.3	0.03	3.8
1274724	Soil	19.0	31.4	0.55	157.5	0.091	1	1.63	0.015	0.06	0.3	3.5	0.09	<0.02	10	0.2	0.02	5.0
1274725	Soil	18.8	31.8	0.56	160.0	0.093	<1	1.77	0.015	0.07	0.3	3.6	0.10	<0.02	6	<0.1	0.02	4.7
1274726	Soil	18.5	28.6	0.50	144.6	0.090	<1	1.43	0.016	0.06	0.3	3.3	0.08	<0.02	<5	0.2	<0.02	4.3
1274727	Soil	10.5	28.8	0.49	93.9	0.095	1	1.82	0.008	0.07	0.4	2.5	0.10	0.03	30	0.3	0.03	6.9
1274728	Soil	13.1	31.7	0.55	119.8	0.084	<1	1.97	0.010	0.08	0.3	3.2	0.09	<0.02	9	0.5	0.08	6.2
1274729	Soil	12.8	30.3	0.48	120.9	0.076	<1	1.80	0.011	0.07	0.3	3.0	0.08	<0.02	15	0.3	<0.02	4.9
1274730	Soil	11.2	27.5	0.45	112.1	0.067	<1	1.71	0.009	0.06	0.3	2.8	0.09	<0.02	8	0.3	0.02	5.0

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Client: **Pika Exploration Inc**
Box 218
Carcross Yukon Y0B 1B0 Canada

Project: Dogmatic
Report Date: November 01, 2011

QUALITY CONTROL REPORT WHI11001386.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
1274862	Soil	0.72	14.75	12.16	38.5	45	10.6	6.2	429	1.79	4.6	1.5	1.6	3.1	16.5	0.14	0.52	0.15	39	0.20	0.062
REP 1274862	QC	0.69	15.07	12.06	39.9	40	10.0	6.3	417	1.83	4.6	1.5	1.9	3.2	16.1	0.15	0.53	0.14	40	0.19	0.064
1274879	Soil	0.60	17.30	13.69	52.0	54	12.0	5.9	359	1.94	4.5	2.1	2.7	7.7	22.3	0.23	0.48	0.18	39	0.33	0.073
REP 1274879	QC	0.62	17.78	14.43	53.5	53	12.3	5.9	374	1.98	4.7	2.1	2.6	8.1	22.7	0.21	0.49	0.17	39	0.33	0.073
1274889	Soil	0.77	15.66	15.87	42.3	88	9.6	5.9	344	1.81	5.2	1.6	13.8	3.7	21.0	0.16	0.71	0.18	38	0.26	0.071
REP 1274889	QC	0.74	15.26	15.57	37.8	84	10.1	5.7	340	1.76	5.0	1.6	13.5	3.8	20.4	0.14	0.64	0.17	36	0.25	0.067
1274922	Soil	0.89	15.38	16.91	43.7	40	12.1	6.5	341	1.93	4.2	1.5	1.3	12.3	18.2	0.18	0.65	0.15	35	0.24	0.076
REP 1274922	QC	0.82	14.31	16.10	40.9	30	12.0	6.1	332	1.89	3.8	1.3	1.5	11.8	17.7	0.22	0.61	0.15	34	0.23	0.071
1274932	Soil	0.61	16.21	9.70	40.2	44	12.6	6.1	300	1.95	6.7	1.1	4.8	6.3	24.2	0.13	0.59	0.15	46	0.35	0.072
REP 1274932	QC	0.57	16.14	9.66	40.0	40	12.3	6.3	300	1.95	6.8	1.0	2.8	5.9	24.0	0.13	0.57	0.15	46	0.33	0.071
1274950	Soil	0.57	18.90	6.10	48.7	12	13.9	11.9	269	2.79	6.9	0.6	3.7	3.5	26.4	0.04	0.40	0.09	65	0.22	0.034
REP 1274950	QC	0.55	20.00	6.10	51.8	10	15.0	12.7	271	2.83	6.6	0.6	1.9	3.3	25.9	0.04	0.39	0.09	65	0.22	0.033
1274960	Soil	0.34	19.88	2.83	46.5	5	6.7	14.0	303	2.66	2.0	0.4	0.9	2.0	25.0	0.03	0.09	0.06	66	0.46	0.083
REP 1274960	QC	0.36	20.22	2.84	46.3	6	7.2	14.0	313	2.74	2.1	0.5	<0.2	2.1	25.8	0.03	0.10	0.05	67	0.48	0.079
1274503	Soil	2.11	11.01	86.20	40.6	43	5.9	5.0	666	1.83	3.6	3.0	1.4	6.7	8.8	0.21	0.51	0.21	16	0.14	0.055
REP 1274503	QC	2.06	10.68	89.66	38.5	44	5.8	4.9	669	1.86	3.7	3.0	2.1	7.5	9.3	0.24	0.51	0.21	16	0.14	0.055
1274524	Soil	0.65	17.14	13.06	54.4	37	15.5	6.9	403	2.14	6.7	2.5	5.4	3.3	12.5	0.15	0.47	0.11	42	0.16	0.059
REP 1274524	QC	0.65	17.12	13.17	52.8	35	15.2	7.0	410	2.15	6.7	2.4	1.7	3.3	12.6	0.14	0.43	0.10	42	0.17	0.059
1274548	Soil	0.59	19.17	11.90	51.8	68	12.9	6.1	398	1.91	4.9	2.3	1.9	4.8	24.2	0.17	0.50	0.10	38	0.46	0.065
REP 1274548	QC	0.56	18.41	11.23	51.9	63	12.9	5.8	402	1.90	5.1	2.2	1.6	4.8	23.9	0.15	0.47	0.07	38	0.47	0.065
1274563	Soil	0.77	17.52	12.49	38.8	64	11.4	6.4	366	1.86	5.5	2.9	2.5	6.8	14.6	0.11	0.60	0.14	37	0.23	0.081
REP 1274563	QC	0.74	16.83	12.20	38.1	62	11.0	6.4	359	1.85	5.7	2.8	1.8	6.7	14.7	0.14	0.59	0.14	37	0.23	0.083
1274577	Soil	0.79	15.35	9.31	39.9	41	10.7	5.7	253	1.86	6.8	1.1	2.6	2.7	20.5	0.18	0.60	0.15	48	0.24	0.053
REP 1274577	QC	0.80	16.13	9.70	39.6	39	10.8	6.1	264	1.94	6.9	1.2	3.9	2.7	21.7	0.16	0.60	0.17	50	0.25	0.054
1274594	Soil	1.03	18.19	12.40	37.0	124	11.3	5.9	273	2.20	6.7	1.1	3.6	0.8	17.7	0.18	0.57	0.22	48	0.17	0.092
REP 1274594	QC	1.02	18.39	12.12	35.3	112	12.1	5.7	315	2.21	6.8	1.1	3.4	0.8	18.0	0.17	0.59	0.22	48	0.17	0.086
1274611	Soil	0.71	34.62	16.60	75.9	125	22.4	9.4	492	2.89	9.7	2.3	2.9	9.1	44.4	0.15	0.84	0.23	56	0.68	0.062
REP 1274611	QC	0.79	34.60	17.15	75.5	140	21.8	9.3	513	3.05	10.4	2.5	4.0	9.7	46.9	0.18	0.95	0.25	57	0.69	0.071

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Project: Dogmatic
Report Date: November 01, 2011

QUALITY CONTROL REPORT WHI11001386.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
1274862	Soil	18.0	19.5	0.33	97.6	0.051	1	1.02	0.011	0.06	0.2	2.0	0.06	<0.02	17	<0.1	<0.02	3.3
REP 1274862	QC	18.5	19.4	0.34	102.0	0.050	<1	1.03	0.011	0.06	0.2	1.9	0.07	<0.02	21	0.2	<0.02	3.6
1274879	Soil	22.6	22.6	0.37	146.2	0.049	<1	1.26	0.015	0.08	0.2	3.0	0.08	<0.02	12	0.1	<0.02	4.0
REP 1274879	QC	23.2	23.1	0.39	152.2	0.052	<1	1.25	0.016	0.08	0.2	2.9	0.09	<0.02	8	<0.1	<0.02	4.2
1274889	Soil	18.1	19.7	0.33	115.5	0.047	1	1.08	0.012	0.07	0.3	2.3	0.07	<0.02	27	0.1	0.02	3.4
REP 1274889	QC	17.7	19.6	0.31	114.0	0.042	1	1.04	0.011	0.06	0.3	2.4	0.07	<0.02	28	<0.1	<0.02	3.3
1274922	Soil	25.3	20.5	0.32	123.8	0.050	<1	1.04	0.011	0.06	0.3	2.9	0.07	<0.02	11	0.1	<0.02	3.5
REP 1274922	QC	24.0	20.6	0.31	116.9	0.049	<1	1.02	0.010	0.06	0.3	2.6	0.07	<0.02	7	0.2	<0.02	3.2
1274932	Soil	19.7	25.0	0.41	97.7	0.091	<1	1.24	0.019	0.07	0.3	3.1	0.07	<0.02	6	<0.1	<0.02	3.9
REP 1274932	QC	18.4	24.3	0.41	93.4	0.084	<1	1.20	0.018	0.07	0.3	3.1	0.07	<0.02	13	<0.1	0.02	3.9
1274950	Soil	12.4	22.5	0.83	201.8	0.112	<1	2.21	0.016	0.23	<0.1	3.2	0.12	<0.02	14	0.2	0.02	4.9
REP 1274950	QC	12.1	22.2	0.86	201.1	0.110	<1	2.20	0.016	0.24	<0.1	2.9	0.11	<0.02	15	0.2	<0.02	4.9
1274960	Soil	18.5	10.8	1.08	374.4	0.128	1	2.07	0.024	0.54	<0.1	1.9	0.17	<0.02	8	<0.1	<0.02	4.1
REP 1274960	QC	19.1	11.1	1.10	391.0	0.136	1	2.16	0.024	0.56	<0.1	2.1	0.17	<0.02	7	0.1	<0.02	4.2
1274503	Soil	30.0	10.9	0.16	195.6	0.005	<1	1.22	0.006	0.08	0.2	1.1	0.08	0.02	32	0.1	<0.02	2.6
REP 1274503	QC	29.6	10.7	0.17	190.3	0.005	<1	1.21	0.006	0.08	0.2	1.1	0.08	0.02	31	<0.1	0.02	2.5
1274524	Soil	18.6	25.7	0.46	154.4	0.030	<1	1.68	0.011	0.08	0.2	2.9	0.12	0.03	5	<0.1	0.04	4.9
REP 1274524	QC	19.2	25.9	0.47	154.1	0.032	<1	1.71	0.011	0.08	0.2	3.0	0.13	0.03	<5	0.2	0.03	4.9
1274548	Soil	23.4	22.5	0.41	185.3	0.037	<1	1.36	0.018	0.09	0.2	3.4	0.11	0.04	17	0.2	0.03	4.2
REP 1274548	QC	23.4	22.9	0.40	188.1	0.038	<1	1.34	0.018	0.09	0.2	3.3	0.07	0.04	19	0.2	<0.02	4.1
1274563	Soil	21.5	20.4	0.35	139.5	0.050	<1	1.02	0.009	0.06	0.2	3.1	0.06	<0.02	16	<0.1	<0.02	3.3
REP 1274563	QC	21.0	20.8	0.35	134.5	0.049	<1	1.01	0.009	0.05	0.2	3.2	0.06	<0.02	17	<0.1	<0.02	3.4
1274577	Soil	13.9	25.4	0.39	105.5	0.082	<1	1.40	0.011	0.05	0.3	2.9	0.10	<0.02	19	<0.1	<0.02	4.7
REP 1274577	QC	14.2	25.5	0.41	105.3	0.087	<1	1.47	0.012	0.06	0.4	3.1	0.10	<0.02	20	0.2	<0.02	5.1
1274594	Soil	13.1	25.7	0.34	153.6	0.041	<1	1.90	0.010	0.05	0.3	2.3	0.13	0.04	43	0.1	0.02	5.9
REP 1274594	QC	13.5	25.4	0.40	150.0	0.055	<1	1.88	0.010	0.06	0.4	2.4	0.13	0.04	30	0.2	0.04	5.8
1274611	Soil	25.5	36.1	0.73	275.2	0.092	2	2.24	0.026	0.19	0.2	6.0	0.17	0.04	37	0.2	0.04	7.0
REP 1274611	QC	26.1	38.2	0.74	276.8	0.107	2	2.26	0.028	0.20	0.3	6.5	0.19	0.04	23	0.1	0.02	7.2

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Project: Dogmatic
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QUALITY CONTROL REPORT WHI11001386.1

		1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1	1F30 Fe % 0.01	1F30 As ppm 0.1	1F30 U ppm 0.1	1F30 Au ppb 0.2	1F30 Th ppm 0.1	1F30 Sr ppm 0.5	1F30 Cd ppm 0.01	1F30 Sb ppm 0.02	1F30 Bi ppm 0.02	1F30 V ppm 2	1F30 Ca % 0.01	1F30 P % 0.001
1274624	Soil	0.67	19.49	14.31	49.2	87	15.8	7.4	455	2.03	6.0	1.8	2.5	5.2	24.8	0.19	0.54	0.19	37	0.39	0.055
REP 1274624	QC	0.70	20.39	15.11	51.6	101	16.8	7.6	469	2.11	6.4	2.0	1.4	6.1	25.9	0.20	0.71	0.21	39	0.41	0.060
1274644	Soil	0.64	19.17	9.47	51.3	130	14.6	6.4	326	2.08	8.0	1.1	2.1	0.4	18.4	0.15	0.59	0.19	42	0.24	0.080
REP 1274644	QC	0.59	18.63	8.95	47.7	130	14.2	6.3	306	1.99	7.5	1.0	3.1	0.3	17.3	0.14	0.58	0.15	40	0.22	0.077
1274711	Soil	0.63	17.41	10.20	46.6	64	15.7	7.6	416	2.01	7.3	1.1	2.5	4.4	26.7	0.18	0.62	0.14	42	0.43	0.063
REP 1274711	QC	0.65	17.33	10.28	46.1	58	16.1	7.9	408	2.04	7.6	1.1	2.7	4.5	26.3	0.18	0.63	0.13	42	0.43	0.061
1274727	Soil	1.11	15.30	8.98	44.6	49	13.2	5.9	269	2.45	8.5	0.7	5.7	2.3	16.3	0.18	0.56	0.20	55	0.22	0.040
REP 1274727	QC	1.10	15.07	8.57	42.9	49	12.6	5.7	260	2.38	8.2	0.7	12.0	2.3	15.5	0.17	0.54	0.40	53	0.22	0.041
Reference Materials																					
STD DS8	Standard	12.95	123.0	117.6	302.9	1722	36.1	7.2	588	2.53	22.0	2.8	106.4	7.2	66.7	2.32	5.76	6.70	42	0.73	0.085
STD DS8	Standard	12.20	114.5	110.5	296.3	1623	34.9	6.9	555	2.38	22.2	2.7	104.6	6.7	65.5	2.21	5.42	6.13	41	0.69	0.085
STD DS8	Standard	12.64	116.0	117.1	305.2	1753	35.1	7.1	590	2.45	23.4	2.9	102.8	7.7	70.1	2.19	5.81	6.45	40	0.74	0.090
STD DS8	Standard	12.69	114.1	124.7	300.0	1669	34.9	7.0	571	2.39	21.6	2.9	104.2	7.6	69.4	2.06	5.57	6.20	41	0.70	0.082
STD DS8	Standard	14.21	118.7	124.1	335.1	1907	41.0	7.8	624	2.65	27.3	2.9	116.5	7.5	68.7	2.55	5.66	6.80	45	0.77	0.087
STD DS8	Standard	13.18	107.1	128.0	307.5	1673	38.2	7.4	620	2.48	22.6	3.0	102.7	7.6	73.9	2.08	6.18	6.66	41	0.73	0.076
STD DS8	Standard	12.42	113.5	121.9	305.2	1699	39.6	7.6	600	2.51	24.8	2.5	107.9	6.2	58.9	2.27	5.36	6.18	39	0.68	0.079
STD DS8	Standard	12.23	106.9	121.5	305.9	1650	35.7	7.2	575	2.41	23.6	2.7	104.5	6.5	59.5	2.25	5.25	5.85	40	0.68	0.074
STD DS8	Standard	12.81	108.2	122.8	314.6	1754	38.3	7.6	610	2.46	24.1	2.6	110.1	6.2	62.1	2.20	5.14	6.23	41	0.71	0.082
STD DS8	Standard	13.52	105.0	127.6	324.2	1800	37.2	7.4	610	2.48	24.1	2.9	114.9	6.9	64.6	2.30	5.41	6.19	42	0.72	0.080
STD DS8 Expected		13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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Phone (604) 253-3158 Fax (604) 253-1716
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Client: **Pika Exploration Inc**
Box 218
Carcross Yukon Y0B 1B0 Canada

Project: Dogmatic
Report Date: November 01, 2011

QUALITY CONTROL REPORT WHI11001386.1

		1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Tl % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Tl ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1
1274624	Soil	17.2	25.6	0.49	202.9	0.044	1	1.32	0.019	0.08	0.2	2.4	0.09	<0.02	12	0.2	0.06	3.8
REP 1274624	QC	19.4	27.1	0.50	216.4	0.057	1	1.32	0.021	0.08	0.2	2.9	0.10	<0.02	9	0.2	<0.02	4.0
1274644	Soil	14.9	27.4	0.48	119.3	0.031	<1	1.77	0.010	0.06	0.2	1.3	0.10	0.04	36	0.3	0.03	5.0
REP 1274644	QC	14.3	26.3	0.45	114.1	0.029	<1	1.70	0.010	0.06	0.2	1.2	0.10	0.04	22	0.2	<0.02	4.8
1274711	Soil	15.6	30.0	0.49	184.8	0.070	1	1.41	0.020	0.08	0.2	2.9	0.09	<0.02	7	0.1	<0.02	4.1
REP 1274711	QC	15.3	29.2	0.49	175.8	0.066	2	1.40	0.020	0.08	0.2	2.8	0.07	<0.02	8	0.3	0.05	4.1
1274727	Soil	10.5	28.8	0.49	93.9	0.095	1	1.82	0.008	0.07	0.4	2.5	0.10	0.03	30	0.3	0.03	6.9
REP 1274727	QC	10.5	29.6	0.48	92.7	0.092	2	1.78	0.008	0.07	0.4	2.6	0.09	0.03	27	0.5	<0.02	6.7
Reference Materials																		
STD DS8	Standard	16.3	115.7	0.62	251.6	0.134	3	0.97	0.098	0.43	2.9	2.6	5.16	0.16	183	5.1	5.18	4.5
STD DS8	Standard	15.5	113.7	0.58	239.3	0.131	2	0.89	0.086	0.41	2.8	2.4	4.92	0.16	170	4.6	4.61	4.4
STD DS8	Standard	16.8	115.4	0.61	255.4	0.131	2	1.00	0.116	0.44	2.9	2.7	5.23	0.16	183	4.8	4.95	4.7
STD DS8	Standard	16.8	113.8	0.58	248.1	0.128	3	0.93	0.097	0.41	3.0	2.4	5.23	0.16	175	5.0	4.81	4.6
STD DS8	Standard	17.2	123.0	0.66	308.0	0.125	3	1.00	0.095	0.44	3.2	2.4	5.69	0.17	184	5.5	5.21	5.0
STD DS8	Standard	18.5	118.7	0.61	259.5	0.132	2	1.01	0.113	0.44	2.8	2.5	5.26	0.16	172	5.1	5.09	4.6
STD DS8	Standard	13.5	112.6	0.60	255.8	0.114	3	0.89	0.088	0.41	2.9	1.9	5.19	0.16	181	4.9	4.82	4.5
STD DS8	Standard	13.7	111.8	0.60	249.2	0.103	4	0.96	0.112	0.44	2.7	2.1	5.26	0.16	178	5.1	4.64	4.2
STD DS8	Standard	16.0	116.9	0.61	260.6	0.107	2	0.95	0.106	0.44	2.8	2.7	5.43	0.17	213	5.3	5.04	4.6
STD DS8	Standard	15.7	120.7	0.62	279.6	0.112	2	0.94	0.099	0.42	3.1	2.3	5.86	0.17	204	5.4	5.33	5.0
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

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		1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1	1F30 Fe % 0.01	1F30 As ppm 0.1	1F30 U ppm 0.1	1F30 Au ppb 0.2	1F30 Th ppm 0.1	1F30 Sr ppm 0.5	1F30 Cd ppm 0.01	1F30 Sb ppm 0.02	1F30 Bi ppm 0.02	1F30 V ppm 2	1F30 Ca % 0.01	1F30 P % 0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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		1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Tl % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Tl ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

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