

Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Mapping/Soil Sampling

TOTAL COST: \$50, 417.53

AUTHOR(S): Anastasia Ledwon, P.Geo and Richard Beck SIGNATURE(S): _____

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): n/a YEAR OF WORK: 2010

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 4812447

PROPERTY NAME: Blackwater West

CLAIM NAME(S) (on which the work was done): 641685 (RICHFIELDADJACENTCC)

COMMODITIES SOUGHT: Au, Mo, Cu, As

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: _____

MINING DIVISION: Omineca NTS/BCGS: 93F 016

LATITUDE: 53 ° 10 ' 59 " LONGITUDE: 124 ° 55 ' 48 " (at centre of work)

OWNER(S):

1) Newgold Inc. 2) _____

MAILING ADDRESS:

3110-666 Burrard Street

Vancouver, BC V6C 2X8

OPERATOR(S) [who paid for the work]:

1) Newgold Inc 2) _____

MAILING ADDRESS:

3110-666 Burrard Street

Vancouver, BC V6C 2X8

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

geologic mapping, soil sampling, structure, lithology, local scale

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: N/A

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping	445 ha	641685	\$36888.05
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil	836	641685	
Silt			
Rock	three (3)	641685	
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying		641685	\$13,529.48
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	\$50,417.53

A GEOLOGICAL REPORT ON THE BLACKWATER WEST PROPERTY

OMINECA MINING DIVISION, BRITISH COLUMBIA

NTS 93F 016

53.183° N

124.93° E

Tenure: 641685

Owners:
Newgold Inc.
Vancouver, BC

Prepared by:

Anastasia Ledwon, P. Geo.
and Richard Beck, VP Exploration
and Development,
UTM Exploration Services Ltd., Smithers,
BC

June 5th 2012

Contents

1. Summary	4
2. Introduction and Terms of Reference	6
2.1 Disclaimer	6
3. Property Description	6
3.1 Accessibility and Infrastructure	6
3.2 Mineral Tenure Information	6
3.3 Physiography and Climate	9
4. History	9
5. Geological Setting	10
5.1 Regional Setting	10
5.2 Local Geology	10
5.3 Mineralization and Alteration	11
6. Exploration	11
6.1 Mapping and Prospecting	11
6.2 Soil Sampling	14
6.2.1 Methodology and Procedure	14
6.2.2 Results	16
7. Sampling	21
7.1 Sampling Method and Approach	21
7.2 Sample Preparation, Analyses, and Security	21
7.3 Data Verification	21
8. Interpretation and Conclusions	21
9. Recommendations	22
10. References	23
11. Cost Statement	24
12. Statement of Qualifications	26
Appendix I: Assay Results	28
Appendix II: Laboratory Methodologies	109
Appendix III: Rock Sample Field Data and Photos	112
Appendix IV: Soil Sample Field Data	118

Table of Figures

Figure 1. Location Map.	5
Figure 2. Mineral Tenure Map.	8
Figure 3. Geology Map of Blackwater West.....	13
Figure 4. 2010 Soil Sampling Grid.....	15
Figure 5. Gold in Soils.	17
Figure 6. Molybdenum in Soils.....	18
Figure 7. Copper in Soils.	19
Figure 8. Aresenic in Soils.	20

Tables

Table 1. Mineral Tenure Information.	7
---	---

1. Summary

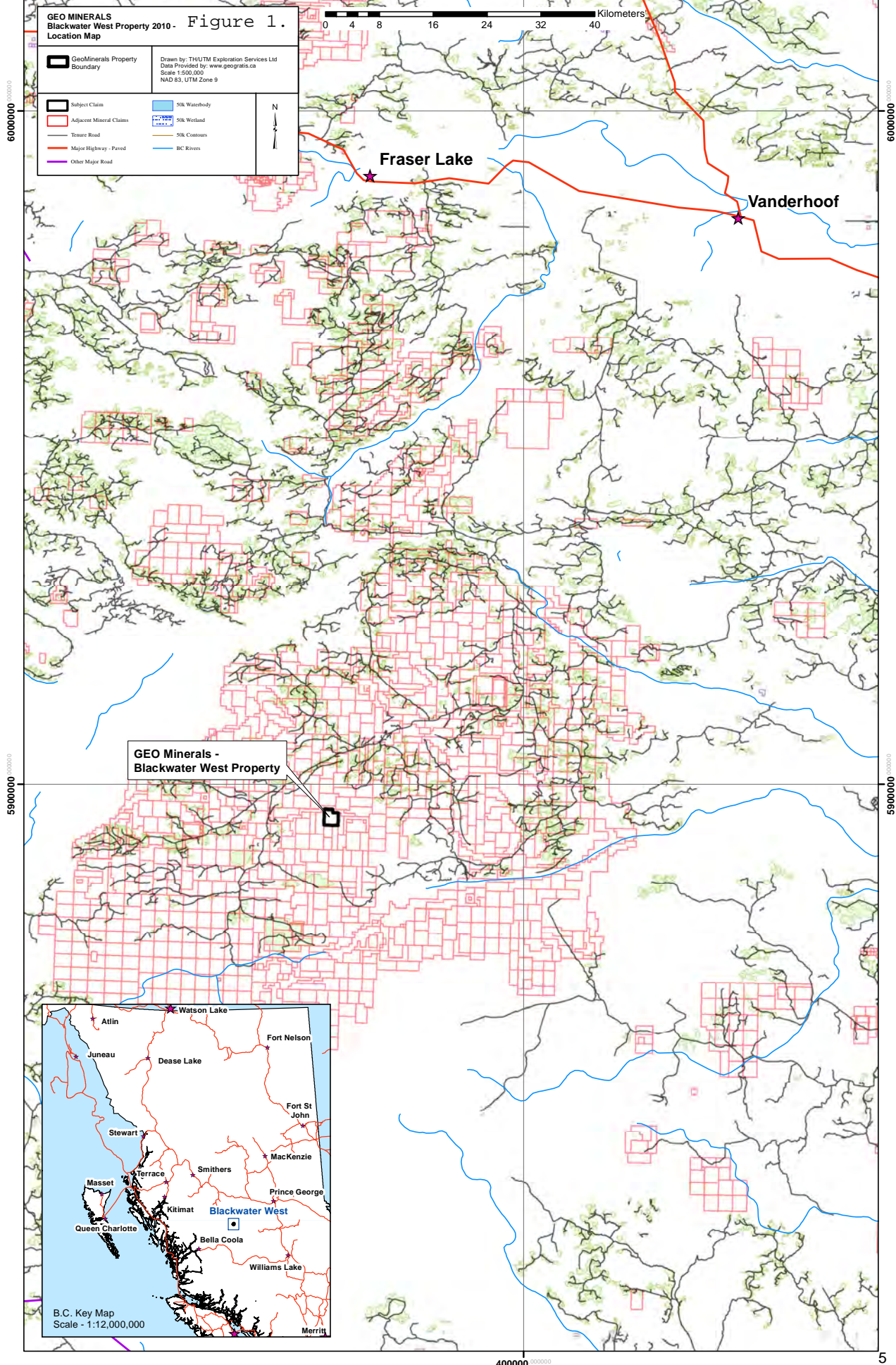
Between October 10-15, 2010 mapping and prospecting were conducted on the Blackwater West Property and between October 19-29, 2010 soil sampling was completed on the property. The property is located approximately 100km south of Vanderhoof in the Omineca Mining Division of British Columbia (Figure 1).

A small mapping program was designed to outline the geology of the claim area and to locate mineralized rock and create a geologic map of the area, while a tightly spaced soil sampling program was conducted to better isolate any existing underlying anomalies.

The program was carried out in 2010 for Geo Minerals Ltd, a public mineral exploration company, by UTM Exploration Services Ltd. of Smithers, BC, under the direction of Mr. R. Weicker, P.Geologist for Geo Minerals.

The Blackwater west property is comprised of a single mineral tenure covering 445.5824 hectares of land within NTS map sheet 093F 016.

Bedrock on the property consists of various volcanic units of the Cretaceous to Eocene Ootsa Lake Group and Oligocene to Miocene Endako Group dominated by andesite, rhyolite, and volcanic breccia with localized crystal tuff. Government mapping indicates granite and monzonite to the West. This suggests that the claims may be underlain by intrusives to some extent. During the 2010 mapping program, porphyry was mapped within the claim.



2. Introduction and Terms of Reference

The report documents all the results of the 2010 mapping exploration program. This report is based upon an extensive review and compilation of previous area assessment reports as well as publicly available geological and scientific papers.

The report has almost no basis in previous work on the properties, as there has been almost none conducted. UTM Exploration Services Ltd, of Smithers, BC designed and supervised the 2010 exploration program in conjunction with Geominerals. The Project Manager, Tanya Strate, of UTM Exploration Services Ltd, was responsible for much of the mapping and prospect sampling. All work was done according to accepted “best practices” for the industry.

2.1 Disclaimer

Implementation of the 2010 exploration mapping program and the writing of this report has relied heavily upon the surface geological maps of the GSC and BCGS. The author has also relied upon the geologic reports submitted for neighbouring properties by assorted authors.

3. Property Description

3.1 Accessibility and Infrastructure

The Blackwater West property is located in the Omineca Mining Division of north- central British Columbia on NTS 93F 016 at latitude 53.183° N (Northing 5894367) and longitude 124.93° W (Easting 371032), UTM Zone 10, NAD 83.

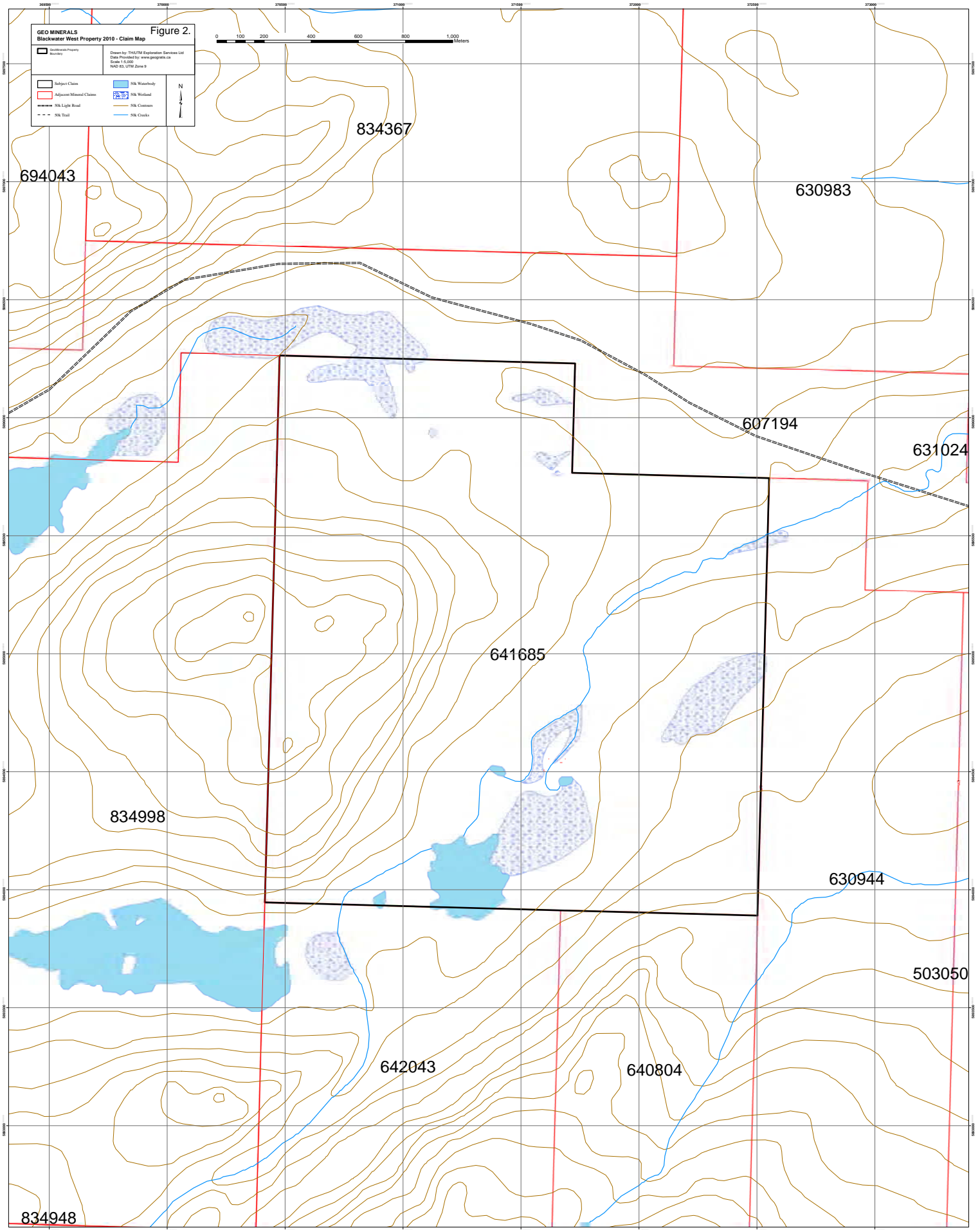
The property is accessible (to within 200m) via all-season roads from the town of Vanderhoof. Directions to the property as follows: travel south from Vanderhoof on the Kenney Dam Rd for 25km. Turn left (south) onto the Kluskus Forest Service Rd and travel 128km to the Newgold Mine Rd. Turn left and the claims are all located just off of this road between km's 6.5 and 12.5 on either side of the road.

3.2 Mineral Tenure Information

The Blackwater West Property is comprised of a single mineral tenure (Figure 2). The tenure covers 445.5824 hectares of land within NTS map sheet 093F016 and is centrally located at latitude 53.183° N and longitude 124.93° W. The tenure is 100% owned by Newgold Inc., a publicly trading mineral exploration company based in Vancouver, BC. Anniversary dates of the tenures are listed in Table 1.

Table 1. Mineral Tenure Information.

Claim Name	Tenure #	Area (ha)	Claim Type	Expiry Date
RICHFIELDADJACENTCC	641685	445.58	Mineral	Nov. 26, 2014



3.3 Physiography and Climate

The terrain is moderate to steep, ranging from 1285m to 1610m in elevation. Lower elevations are a mix of swamp/ wetlands and widely spaced immature lodgepole pine, balsam, and spruce. Lowlands include Deep Lake and several swamp-creek-lake chains. Upper elevations vary locally from swamp/ wetlands to widely spaced mature pine, spruce, and balsam forests to immature dense balsam forests. Pine Beetle infestation has decimated the mature pine forests and there is great mortality in many over-mature spruce stands. Understory vegetation is a mix of brush types from hellebore to white rhododendron to native grasses due to the locally fresh to very dry site mix.

Climate is Intermontane Transitional and is characteristically continental with short warm summers and long, cold winters. Annual temperatures range from -40°C to 30°C. The area is semi-arid with an annual average precipitation of 40cm. Snowfall is variable and maximum accumulations of greater than 2m occur at higher elevations.

Summers are short and often rainy at higher elevations but due to locally thin soils there are many seasonal drainages with flows decreasing progressively over the summer months. Snow accumulations can persist from late September through June over much of the property.

4. History

Tipper (1963) geologically mapped the region for the GSC. Diakow, Webster, Levson, and Giles (1994) mapped the area in greater detail for the BCGS.

The Blackwater Property has undergone very little exploration in the past. In the 1960's Rio-Tinto Canadian Exploration Ltd conducted soil geochemical analysis and this has been the basis for much of the exploration in the area since then, with several deposits in the area having been identified through this soil sampling and subsequent follow-up of anomalies by Granges Exploration, AB in the 1970's and beyond. Granges themselves held part of the present day Blackwater West claims as the FAW 1, FAW 2, and BLACK 7 claims in 1994, and mapped glacial features in the very SE of the present-day Blackwater West claims as well as structural lineaments that bisect the Blackwater West claims. In 1994 Granges took soil samples from the southern reaches of present day contiguous claim 834998 with no anomalous values worthy of investigation noted within the boundaries of the present day claim. Granges conducted geophysics to the east-southeast of the Blackwater claims in the area of the Blackwater-Davidson deposit in 1977 but they did not hold claim of the FAW claims until 1991 and BLACK 7 was claimed in 1994.

There are historic cut lines that are at least 15 years old that were found on the claim during the mapping program. No cut lines were found anywhere else and it is unclear whether the few north-south cut lines that were found were for geochemical sample collection or for geophysics. Stumps on the lines were very high (up to 60cm high) so geochemistry seems more likely than geophysics. In all likelihood they relate to Granges 1994 exploration program. In addition to aforementioned work, in 1994 Granges contracted a Dighem^V V electromagnetic/ resistivity/

magnetic/ radiometric/VLF airborne survey and no anomalies were noted in what is now the southeast corner of the Blackwater West claims.

In 1982 BP Minerals, Ltd mapped, prospected, trenched, stream sediment sampled, and soil sampled on their Range claims approximately 2km West of the present day Blackwater West claims. Anomalies were found and recommendations were made for follow-up work but there are very little records of follow-up work.

Immediately East of claim 834998 and South of claim 641685 (possibly minor overlap), lie the historic Becky-Jo mineral claims. These claims were soil sampled in 1986 by then owner-operator David Rozek. That year 100 soil samples were taken, mostly from the Becky-Jo claims. There were minor Ag anomalies worthy of note but no follow-up work was done.

Although the Blackwater West claims have little record of exploration activity the area overall has been very active with several known deposits in the area—most of which are being presently explored and developed. The exception is the Wolf Deposit 20km to the west as it is within Entiako Provincial Park.

Newgold (Blackwater-Davidson), Silverquest (Capoose, 3T's), and TTM (Chu) all have deposits nearby they are developing while Amarc also has large land holdings in the area. They are many other smaller operators in the area/ region as it has been under heavy exploration since the early 2000's.

5. Geological Setting

5.1 Regional Setting

The Blackwater property is located within the Nechako Plateau division of the Interior Plateau and is part of the Stikine Terrane of the Intermontane Belt. Rocks on the claims are mostly Ootsa Lake Group volcanics with possible minor Endako Group volcanics. These are continental volcanics. In a regional context the Blackwater West claims lie on a down-dropped block of Cretaceous and Tertiary volcanics in an area dominated by uplifted Jurassic Hazelton Group basement rocks of island arc affinity—i.e. volcanics and sedimentary rocks. This is referred to as the Nechako Uplift and there are also more than one proximal intrusive of Cretaceous to Tertiary age including the Cretaceous Capoose Batholith.

5.2 Local Geology

Most property geology is based upon the adjacent assessment reports of the area as well as the regional GSC and BCGS recorded data. BCGS regional mapping defines the whole claim zone as undifferentiated Eocene to Oligocene – Nechako Plateau Group – Ootsa Lake Formation comprised of rhyolites and felsic volcanic rocks.

This program and subsequent report was designed to provide a new layer of data to the area through the exploration mapping program.

5.3 Mineralization and Alteration

Very little mineralization was found. Most of the mapping was that of float boulders on the property as the area is mostly covered with a thick blanket of overburden as well as swampy areas to the southwest.

Of the three rock float samples taken on the property, sample # 19501, a porphyry grab sample was observed to have sericite altered clasts and trace disseminated pyrite as well as mm scale quartz carbonate stockworking. Sample # 19502, a volcanic breccia was mostly chlorite altered with trace disseminated fine grained pyrite, while sample # 19503, another volcanic breccia hosted vein filled iron oxide with a siliceous groundmass and sericite altered clasts as well as manganese coated quartz eyes.

6. Exploration

The 2010 exploration program was directed at mapping the claim area in hopes of generating future exploration targets where no to little exploration has been conducted of the years.

A small budget was approved to map the claim in its entirety with appropriate and necessary grab samples. No known mapping of the area has been performed in historical years, however, old remnants of previous line cutting was noted.

6.1 Mapping and Prospecting

Geologists Tanya Strate and Sarah Henderson completed geological mapping of the West Blackwater claim over a six day period (Figure 1; separate attachment); between 10-15 October 2010. Access is via the Kluskus-Ootsa forestry road. From this groundwork, the map in Figure 3 was created.

Despite generally poor exposure, float boulders are relatively common and were successfully used to infer geological unit boundaries, and to identify an east-west strike fault zone. Sub-crop and outcrop is restricted to a single unnamed hill with elevation 1620m. The hill peak is bisected by the western claim boundary.

Two main geological units are present: Ootsa Lake Group (Late Cretaceous to Eocene felsic to intermediate volcanics), and andesites and basalt flows (? Endako Group; Oligocene to Miocene andesites and basaltic flows). The Ootsa Lake Group units show evidence of hydrothermal alteration, including variable silicification, sericitization, hematization and kaolinization. No significant mineralization was discovered. One sulphide-rich clast was found in breccia boulder float; in a north flowing creek at the southeast claim boundary, suggesting the source is off-claim. One grey (sulphidic) chert clast in volcanic breccia on the northern flank of the main hill, and one 5mm barren quartz vein in volcanic breccia on the southern peak of the hill suggest some potential for epithermal mineralization in this lithological unit.

Ootsa Lake Group

Porphyry (**Po**) float occurs in low lying areas, including along Davidson Creek and adjacent to marshes. In the western portion of the claim area, porphyry float boulders have a fine grained grey to red hematite altered groundmass with 10-50% plagioclase lath/shards. In the eastern claim area, porphyry has a similarly fine grained groundmass, but with <10% plagioclase laths and with quartz phenocrysts.

Overlying this unit is a crystal tuff (**XT**), with fine grained grey to green to red (or pink) groundmass, scattered mm scale polyolithic clasts, and <10% feldspar and quartz phenocrysts, including distinctive smoky black quartz eyes. Tuffs variably have glass shards and black phlogopite crystals.

Volcanic breccia (pyroclastic) (**VBx** and **VBxM**) is the predominant lithology on the claim; occurring across the claim as float, and as outcrop and subcrop on the main hill. On the northern flank of the hill, some volcanic breccia unit includes megaclasts or bombs up to 30cm of flow banded rhyolite. Volcanic breccia appears to overlie the crystal tuff. The volcanic breccias are generally matrix supported, with angular mm to cm scale polyolithic volcanic (porphyritic intermediate volcanic +/- rhyolite) clasts, volcanic glass, and rarely with fiamme. Breccias variably have mm scale smoky black quartz eyes and feldspar phenocrysts. Clast and groundmass colour vary with alteration; green sericite and red hematite, and grey siliceous alteration being the most common types.

Flow banded rhyolite (**Rhy**) crops out as small (<10m diameter) plugs intruding volcanic breccias on top of the main hill, as clasts in the volcanic breccias and tuffs, and in a 100m wide east-west band on the northern flank of the hill; suggesting multiple events of rhyolite emplacement. The rhyolite plugvolcanic breccias contact on the hill is sharp, unaltered and unmineralized. The rhyolite is cream to buff in colour, with siliceous flow bands and rarely cm scale spherulites. Rhyolite is commonly weakly kaolinite clay altered.

Ash tuff (**AT**) appears to overlie the volcanic breccias; this unit has a fine grained groundmass with rare mm scale polyolithic clasts, and <10% plagioclase feldspar phenocrysts. A discrete area of andesite (**And**) float overlies the Ootsa Lake Group volcanics in the northwestern area of the claim. The andesite is a medium to dark grey-green, in places with knots of hornblende porphyroblasts.

A single occurrence of dark grey vesicular basalt (**Bas**) float is associated with andesite, representing recent volcanic activity.

Endako Group

Whether or not these Endako Group units are Endako Group or actually Ootsa Lake Group rocks is unclear but the possibility also exists that they are Hazelton Group uplifted volcanics despite their apparent subaerial nature.

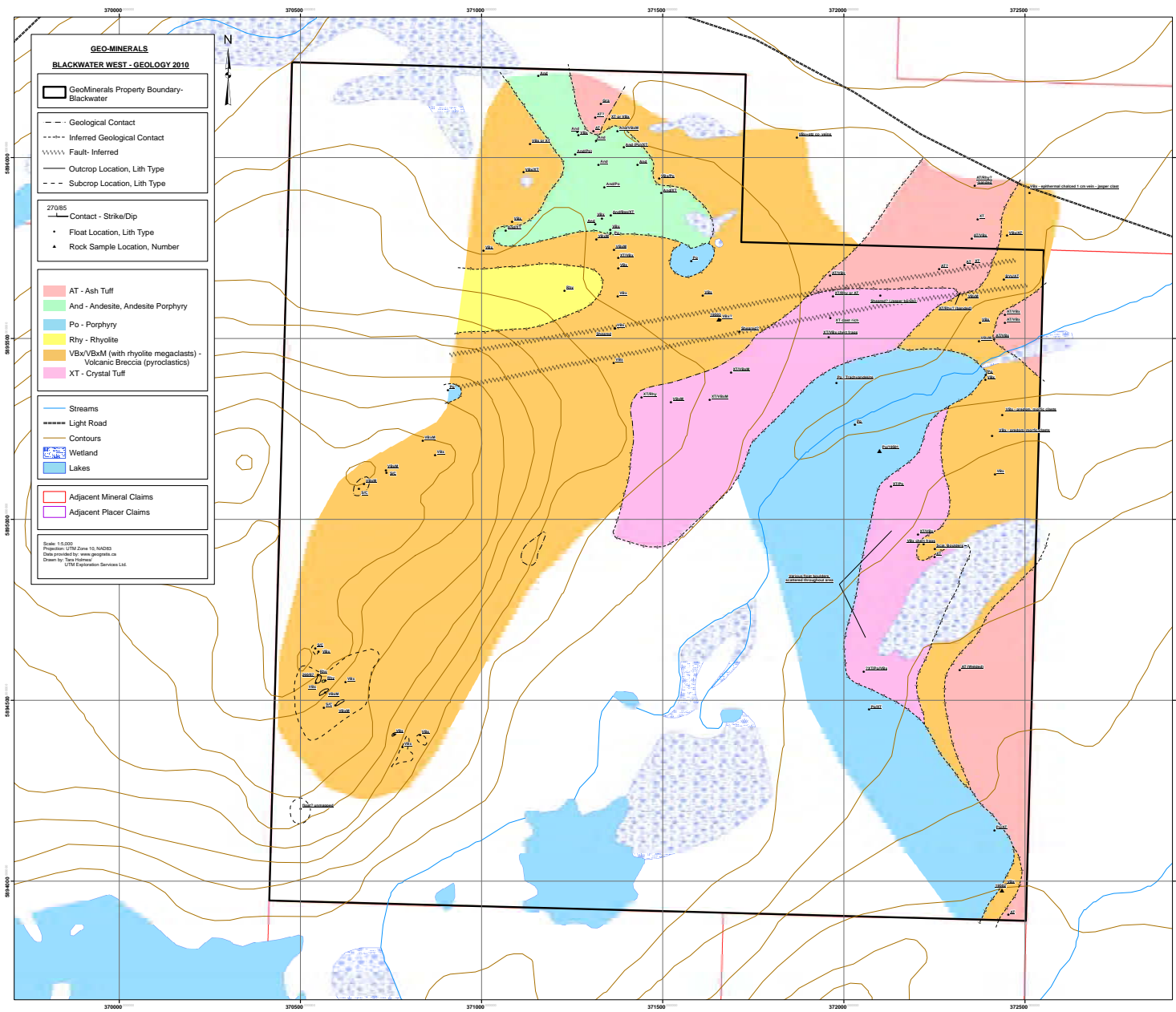


Figure 3.

As part of the mapping program, three rock samples were taken and sent to the lab (ACME Labs of Smithers, BC) for assay.

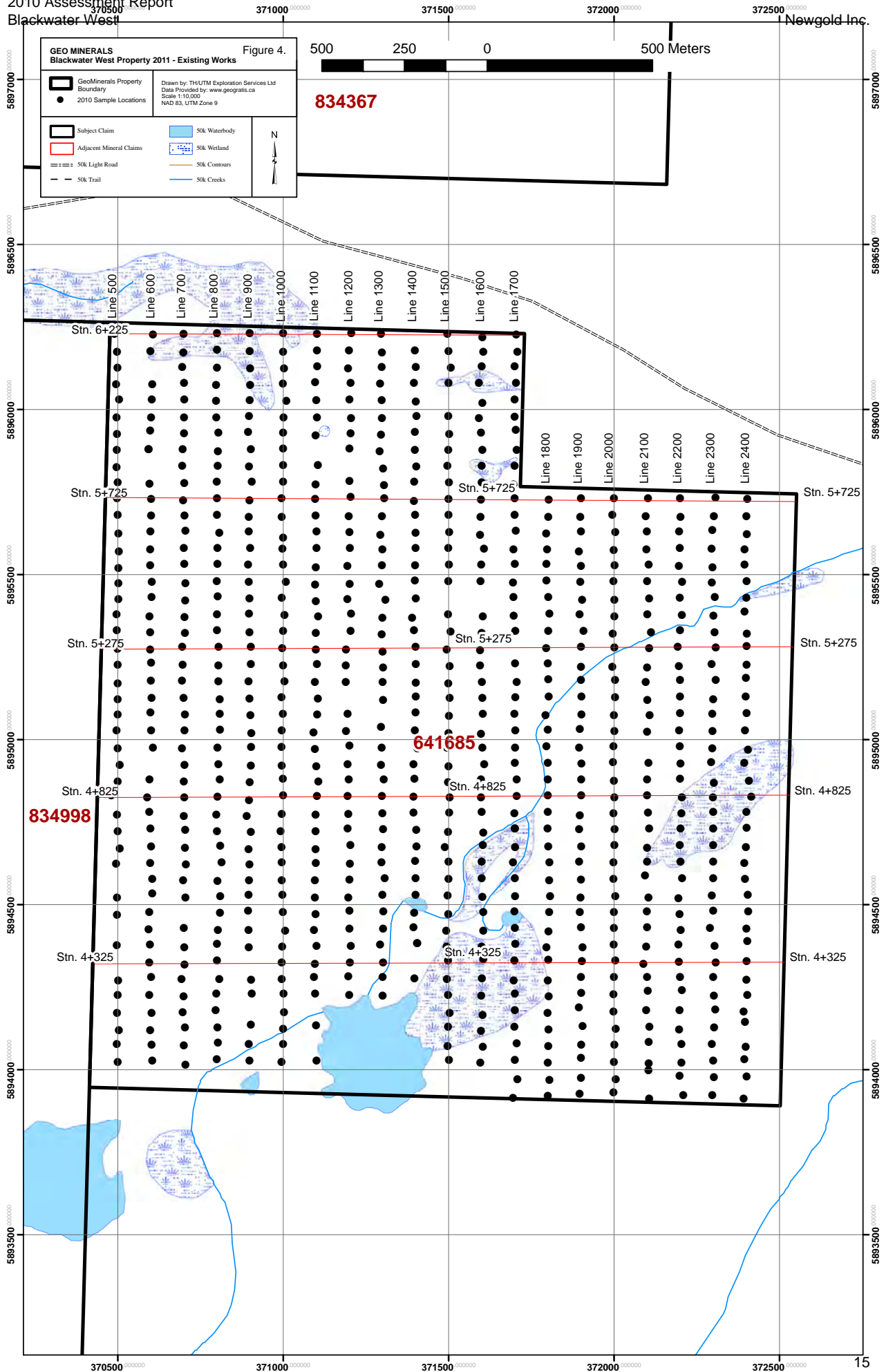
GPS coordinates and rock descriptions were recorded for each sample (Appendix III). Very little mineralization was found and most of this was in the form of pyrite as <2% of the rock. No other sulphides were seen. All samples were stored in a secure location onsite and then securely transported directly to the laboratory by UTM personnel. All samples from were assayed at ACME Labs, Smithers, BC, using a standard 34-element ICP package .A complete description of ACME Labs analytical techniques for ICP-AES and assay procedures is presented in Appendix II, and the Certificates of Analysis are attached as Appendix I. ACME Labs is an ISO 9001 certified laboratory

6.2 Soil Sampling

6.2.1 Methodology and Procedure

Between October 19th and October 28th, 2010, a crew of four soil samplers collected 836 “B-Horizon” soil samples. Samples were collected at 50m intervals on lines spaced 100m apart and were taken with a manual soil auger from depths of 15cm to 50cm. All soil samples taken are found in Appendix IV as well as on Figures 4 thru 8.

The location of all samples was recorded as well as horizon taken from, soil composition, and soil colour. Location was determined using a Garmin CSx handheld G.P.S. Samples were collected in kraft paper bags and uniquely labeled by the last four numbers of their UTM coordinates in NAD 83 (see Appendix IV). All samples were stored in a secure location onsite and then securely transported directly to the laboratory by UTM personnel. As with the rock samples from this program, samples were assayed at ACME Labs, Smithers, BC, using a standard 34-element ICP package. A complete description of ACME Labs analytical techniques for ICP-AES and assay procedures is presented in Appendix II and the Certificates of Analysis are attached as Appendix I. ACME Labs is an ISO 9001 certified laboratory.



6.2.2 Results

Gold

Anomalous gold values, though weakly anomalous, appear to cluster in the northwest portion of the claim and they also appear to mimic the strike of the mapped fault corridor. One single strongly anomalous Au-in-soil value is located to the south in the middle of the claim and has no apparent correlation with mapped rock units (Figure 5).

Molybdenum

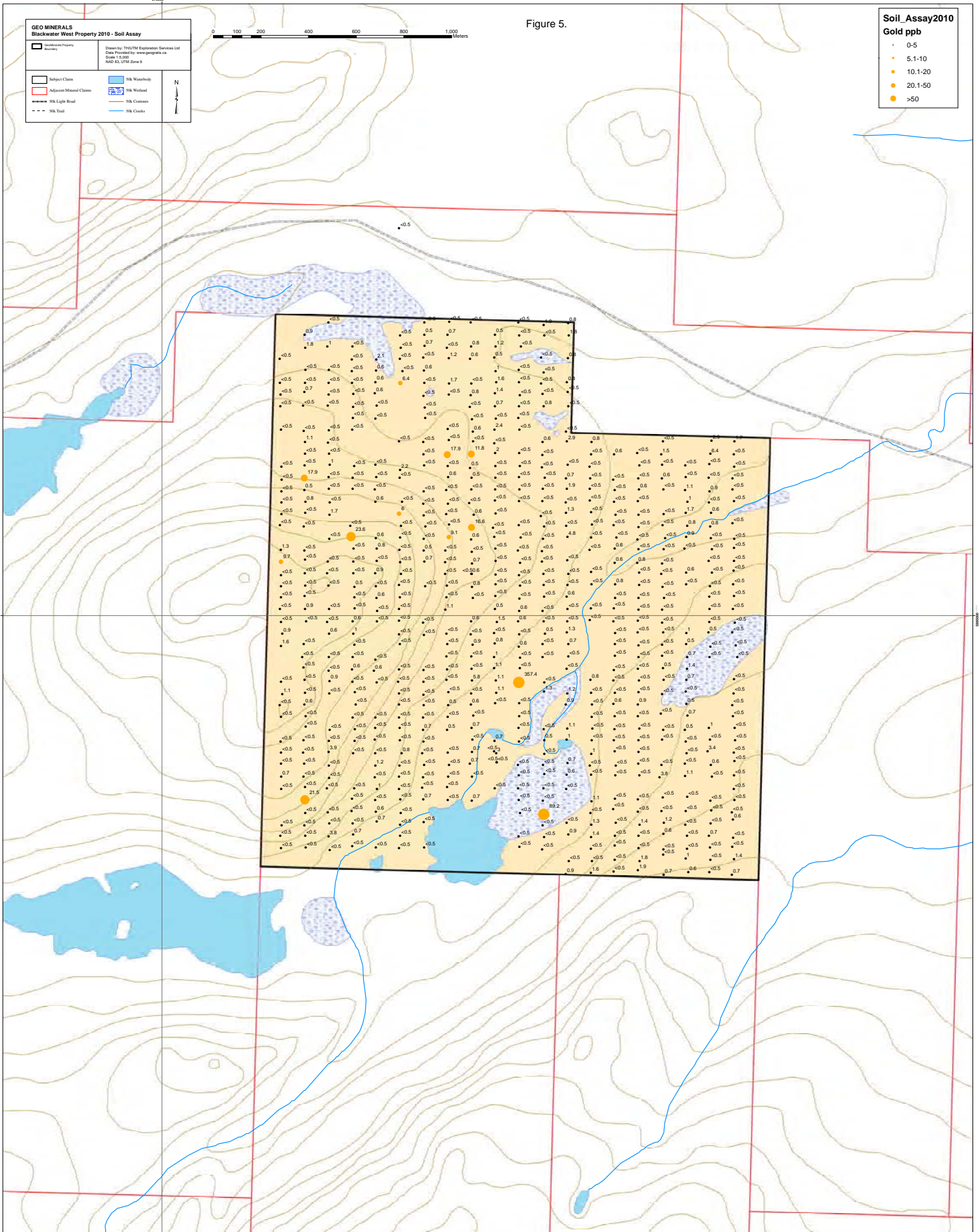
Anomalous Molybdenum throughout the claim is weak, however, the higher anomalous values appear to correlate with the existing Au-in-soil soil anomalies and show a favoured southwest/northeast attitude (Figure 6).

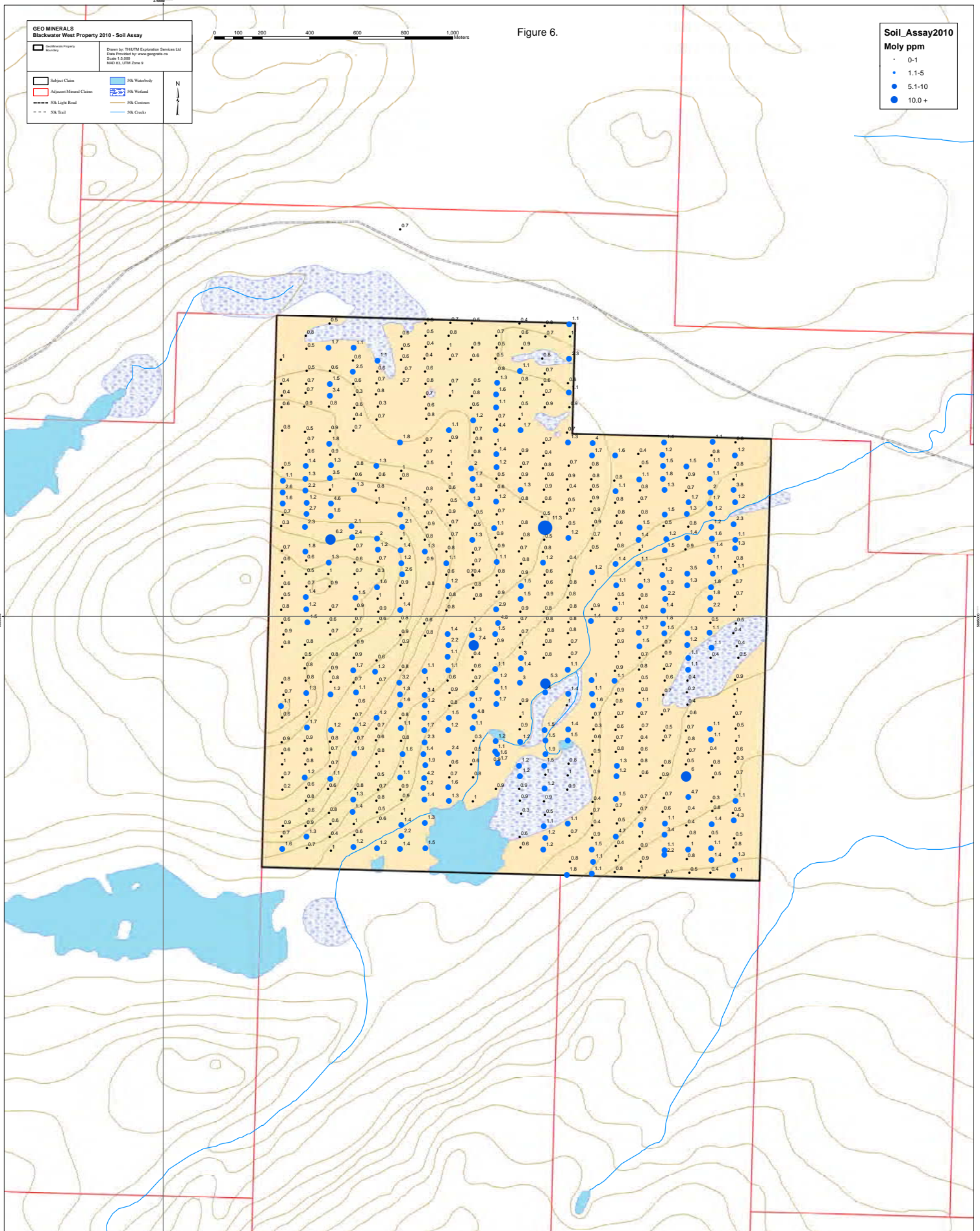
Copper

Anomalous Cu-in-soil is illustrated in two distinct parts of the claim; the northern middle of the claim group (correlating with the mapped volcanic breccias and the porphyry units) and the southeastern portion of the claim (correlating with the mapped porphyry) (Figure 7).

Arsenic

Anomalous arsenic (often considered a gold indicator) does not appear to correlate well with the Au-in-soil anomalous areas; however, the anomalous arsenic mimics the Molybdenum and copper anomalous zones, favouring the eastern and southeastern portions of the claim in and around the mapped porphyry unit (Figure 8).





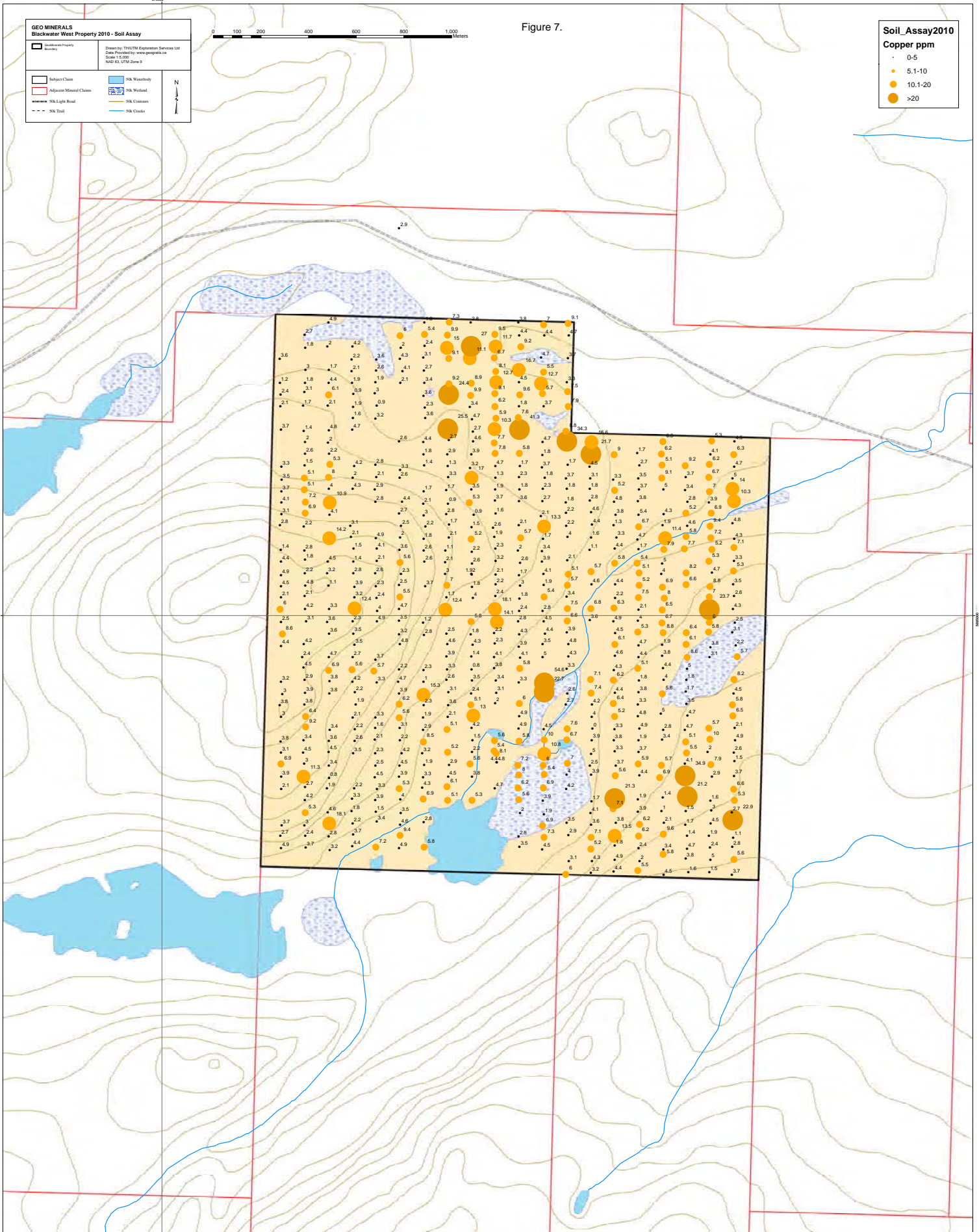


Figure 7.

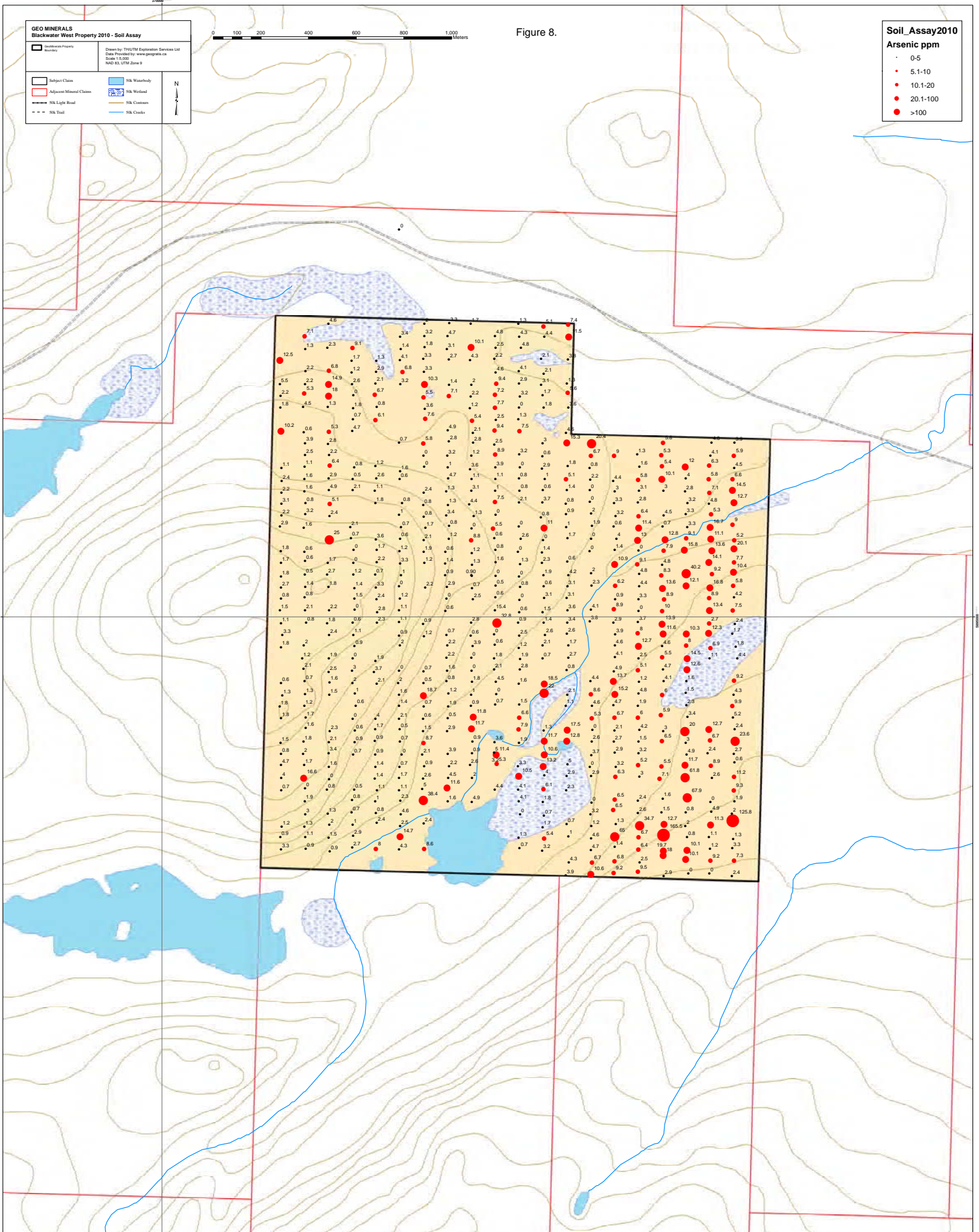


Figure 8.

GEO MINERALS
Blackwater West Property 2010 - Soil Assay

Drawn by: TNA/UTM Exploration Services Ltd
Scale: 1:5,000
NAD 83, UTM Zone 9

Legend:

- Subject Claim
- Adjacent Mineral Claim
- NK Light Road
- NK Trail
- NK Waterbody
- NK Wetland
- NK Contour
- NK Creak

Soil_Assay2010
Arsenic ppm

- 0-5
- 5.1-10
- 10.1-20
- 20.1-100
- >100

Overall, the geochemical soil sample results illustrate the potential for mineralization along the mapped and assumed east-west fault as well as the southeastern porphyry unit and to a lesser extent, the northwestern volcanic breccia/porphyry unit. Though all of the assay value thresholds were predominantly low, a few isolated anomalies appear and can be assumed to be related to their underlying mapped units/structures. Additional work here is warranted. The follow-up exploration is proposed to be additional infill soil sampling, I.P. survey with a possible Ztem survey to search for deep seated intrusive bodies that may resemble the Richfield deposit.

7. Sampling

7.1 Sampling Method and Approach

Rock samples were taken of representative float boulders on the property that showed the greatest potential for mineralization. All sample locations were recorded with UTM coordinates using a Garmin G.P.S unit and elevation, type of sample and description were recorded (Appendix III). Soil samples were taken of the existing B-horizon layer and all soil sample locations were captured with a G.P.S. unit. Colour, soil composition, horizon, and comments were also recorded (Appendix IV).

7.2 Sample Preparation, Analyses, and Security

Samples were assayed at ACME Labs in Smithers, using a standard 34 element ICP package. A complete description of ACME analytical techniques for ICP-AES and assay procedures is presented in Appendix II and the Certificates of Analysis are attached as Appendices I. ACME Labs is an ISO 9001 certified laboratory.

7.3 Data Verification

Due to small number of samples, no standards and/or blanks were included in the sample stream; instead the standards and rep samples from ACME's in house QA/QC procedures were relied upon.

8. Interpretation and Conclusions

The 2010 mapping program added significant geological data to the area where no data was previously recorded or captured outside of the regional GSC and BCGS mapping compilation of British Columbia. Mapping has identified structure, rock types, and detail not previously covered on this claim. Soil sampling has provided a few anomalous areas that have apparent correlations with the mapped rock units and mapped structures. It is because of this apparent coincident relationship that additional exploration is warranted to further investigate these areas of potential interest.

9. Recommendations

The results of the 2010 mapping program warrant follow-up:

1. A full and comprehensive IP survey as this may be instrumental in assessing potential drill targets when combined with soil sampling assay results.
2. A Ztem survey over the property to test for deep seated structures and intrusive bodies similar to the Richfield deposit.
3. A short trenching program and/or drill program may be warranted pending the results of the geophysical IP survey and/or Ztem survey.

10. References

- DAVIS, A. (2007): 2007 Assessment Report: Soil Sampling Parts of the Dave Claim Blackwater Davidson Mountain (Omineca Mining Division). Rozek Family, 56 pages
- DIAKOW, L., WEBSTER, I.C.L., LEVSON, V.M., and GILES, T.R. (1994): Bedrock and Surficial Geology of the Fawnie Creek Map Area, British Columbia Ministry of Energy, Mines, and Petroleum Resources Open File 1994-1 (1: 50 000 scale)
- FLEMING, D.B. and COLE, A.G. (1997): 1997 Geophysical and Physical Assessment Report for the Blackwater-Davidson Project Dave Claim. Kennecott Canada Exploration Inc, 26 pages
- MATYSEK, P. and SMITH, M. (1982): Assessment Report on the 1982 Geochemical and Geological Survey on the Range Claims. BP Minerals, Ltd., 166 pages
- MCCONNELL, D.L. (1994): Report on 1994 DighemV Survey for Granges Inc Blackwater-Davidson Project British Columbia. Dighem, a division of CGG Canada, Ltd.
- PAWLIUK, D.J. (2006): Mineral Claim 509273- Assessment Report on Diamond Drilling Program September 2005- October 2005. Silver Quest Resources Ltd., 76 pages
- PAWLIUK, D. J. (2010): Geochemical Rock Sampling and Prospecting Assessment Report on the Buck Property. SilverQuest Resources, 22 pages
- ROZEK, D.H. (1987): Prospector's Report on 1986-1987 Geochemical Reconnaissance Geochemical Survey Becky-Jo Mineral Claim Mt. Davidson Area Omineca Mining Division. Report by Owner/ Operator, 19 pages
- STRATE, T (2100): Report on the 2010 West Blackwater Project. UTM Exploration Services Ltd for Geo Minerals Ltd., 7 pages
- TIPPER, H.W. (1963): Nechako River map-area, British Columbia. Geological Survey of Canada Memoir 324 including Map 1131A (1:253 440 scale), 59 pages
- VANDAMME, V.P. (1995): Geophysical, Geological, and Diamond Drilling Report on the Blackwater-Davidson Project (Mike, Mo, George, Deb 1, Ken, Noodle, Dave, Faw 1-15 and Black 7-16 claims). Granges, Inc, 307 pages
- WHITE, G.E. (1977): Geophysical Report on a Pulse Electromagnetometer Survey for Granges Exploration AB on the PEM claims. Glen E White Geophysical Consulting and Services Ltd., 27 pages.

11. Cost Statement

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal*	
Strate, Tanya/Head Geo	Oct 9-19	9.5	\$550.00	\$5,225.00	
Henderson, Sarah/Geo	Oct 9-18	9	\$400.00	\$3,600.00	
Townsend, Bill/Sampler	Oct 17-24	8	\$350.00	\$2,800.00	
Townsend, Deb/Sampler	Oct 17-24	8	\$350.00	\$2,800.00	
George, Tyler/Sampler	Oct 17-24	8	\$350.00	\$2,800.00	
Travis, Mike/Sampler	Oct 17-24	8	\$350.00	\$2,800.00	
				\$20,025.00	\$20,025.00
Office Studies	List Personnel (note - Office only, do not include field days)				
GIS	Oct 26-30, 2010	10.5	\$60.00	\$630.00	
GIS	11-Nov	3.0	\$60.00	\$180.00	
Report preparation	24-Nov	1.5	\$55.00	\$82.50	
Report Preparation 2012	Richard Beck - report	20.0	\$50.00	\$1,000.00	
	Anastasia Ledwon, P.Geo - report	3.5	\$105.00	\$367.50	
	Tara Holmes - GIS for report	5.0	\$60.00	\$300.00	
				\$1,892.50	\$1,892.50
Ground Exploration Surveys	Area in Hectares/List Personnel				
Geological mapping					
Regional					<i>note: expenditures here</i>
Reconnaissance					<i>should be captured in Personnel</i>
Prospect					<i>field expenditures above</i>
Underground	Define by length and width				
Trenches	Define by length and width			\$0.00	\$0.00
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Drill (cuttings, core, etc.)			\$0.00	\$0.00	
Stream sediment			\$0.00	\$0.00	
Soil	<i>note: This is for assays or</i>		\$0.00	\$13,529.48	
Rock	<i>laboratory costs</i>		\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$13,529.48	\$13,529.48
Transportation		No.	Rate	Subtotal	
Airfare			\$0.00	\$0.00	
Taxi			\$0.00	\$0.00	
truck rental	Oct 9-24	23.00	\$85.00	\$1,955.00	
kilometers	Oct 9-24	5795.00	\$0.60	\$3,477.00	
ATV			\$0.00	\$0.00	
fuel			\$0.00	\$0.00	
Helicopter (hours)			\$0.00	\$0.00	
Fuel (litres/hour)			\$0.00	\$0.00	
Other					
				\$5,432.00	\$5,432.00
Accommodation & Food	Rates per day				
Hotel			\$0.00	\$0.00	
Camp	Oct 9-24 (2 Geos and 4 samplers)	40.00	\$120.00	\$4,800.00	
Meals	day rate or actual costs-specify		\$0.00	\$57.80	
				\$4,857.80	\$4,857.80
Miscellaneous					
Telephone			\$0.00	\$0.00	
Other - Management Fees				\$1,764.02	
Other - Management Fees				\$2,109.70	
Other (Specify)					

				\$3,873.72	\$3,873.72
Equipment Rentals					
Field Gear -Sample kits	Oct 17-23	12.00	\$25.00	\$300.00	
Field Gear - Sat phone		17.00	\$12.00	\$204.00	
Field Gear - Sat phone mins		50.00	\$2.00	\$100.00	
Field Gear - Supplies				\$203.03	
Other (Specify)					
				\$807.03	\$807.03
Freight, rock samples					
			\$0.00	\$0.00	
			\$0.00	\$0.00	
				\$0.00	\$0.00
TOTAL Expenditures					\$50,417.53

12. Statement of Qualificaitons

I, Anastasia Ledwon, do hereby state that:

- I graduated from the University of Victoria in 1997 with a Bachelor of Science in Earth and Ocean Sciences, With Honours, With Distinction;
- I am a member of the Associate of Professional Engineers and Geoscientists of British Columbia and have been since September, 2009, License # 33898;
- I am owner and P.Geol for UTM Exploration Services Ltd. of Smithers, BC;
- I visited this property once but was not the Qualified Person or acting P.Geol for the project; however, UTM did supply the field geologists and crew for the project and practices excellent QA/QC procedures for all of our work.

Signed this th day of ^aij, 2012, in Smithers, BC.

A handwritten signature in cursive script, appearing to read "Anastasia", with a horizontal line underneath.

Anastasia Ledwon, P.Geol

I, Richard Beck, residing at 4901 Slack Road, Smithers, British Columbia, do hereby certify that:

- I am part owner of and currently employed as the Vice President of Exploration and Development by:
 - UTM Exploration Services Ltd
 - PO Box 5037
 - Smithers, BC V0J 2N2
- I attended Dalhousie University from 1985 to 1989, specializing in geology;
- Between 1987 and 1990, and 1996 to present I have been continuously employed as a junior geologist/project manager/senior exploration geologist in the mineral exploration sector;
- I did not visit this property but supervised the data herein collected.

Dated at Smithers, British Columbia, this 1st day of June, 2012.

Richard Beck
VP Exploration and Development
UTM Exploration Services

Appendix I: Assay Results



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: UTM Exploration Services Ltd.
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Submitted By: Kyler Hardy
Receiving Lab: Canada-Smithers
Received: November 02, 2010
Report Date: December 02, 2010
Page: 1 of 11

CERTIFICATE OF ANALYSIS

SMI10000792.1

CLIENT JOB INFORMATION

Project: West Black Water
Shipment ID:
P.O. Number: Blw-01
Number of Samples: 300

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	228	Dry at 60C sieve 100g to -80 mesh			SMI
Dry at 60C	228	Dry at 60C			SMI
RJSV	228	Saving all or part of Soil Reject			SMI
1DX1	228	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

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

Invoice To: UTM Exploration Services Ltd.
Box 3992
Smithers BC V0J 2N0
Canada

CC: Mike England
Bob Weicker



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. ** 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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 2 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
161751	Soil	1.2	7.2	29.5	84	0.3	5.8	4.2	393	1.91	8.0	0.9	<0.5	1.7	12	0.3	0.3	0.3	36	0.09	0.237
161752	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161753	Soil	0.6	3.4	12.0	40	<0.1	4.9	3.6	148	1.45	2.4	0.7	0.7	1.5	8	<0.1	0.1	0.1	26	0.09	0.164
161754	Soil	0.5	1.5	11.1	22	<0.1	1.8	1.3	83	0.56	0.8	0.4	0.6	0.7	6	<0.1	<0.1	0.3	15	0.06	0.026
161755	Soil	0.8	3.9	7.0	28	<0.1	4.1	2.3	134	0.78	1.0	0.4	<0.5	0.6	11	0.1	0.1	0.2	19	0.11	0.043
161756	Soil	0.7	3.3	18.1	76	<0.1	4.6	3.6	508	1.08	1.1	0.3	1.0	0.8	19	0.1	0.1	0.2	26	0.19	0.090
161757	Soil	0.5	4.5	15.0	62	<0.1	6.0	4.0	109	1.41	1.4	0.4	<0.5	0.8	22	<0.1	0.1	0.1	31	0.17	0.110
161758	Soil	1.0	2.5	11.5	31	<0.1	4.3	2.3	332	0.97	1.4	0.4	1.2	0.8	7	0.1	0.1	0.2	27	0.08	0.023
161759	Soil	0.8	2.3	13.1	52	<0.1	2.7	1.8	787	0.60	0.9	0.4	<0.5	0.2	21	0.5	0.1	0.2	15	0.25	0.036
161760	Soil	0.6	2.1	22.1	43	<0.1	3.7	2.0	122	0.93	0.9	0.4	<0.5	1.3	8	0.1	<0.1	0.2	21	0.07	0.043
161761	Soil	0.7	1.6	13.6	46	<0.1	2.8	2.1	153	0.88	1.7	0.5	<0.5	2.0	10	<0.1	<0.1	0.2	17	0.08	0.056
161762	Soil	1.2	3.3	13.5	40	<0.1	7.2	2.3	130	0.97	4.0	1.5	<0.5	0.8	12	0.1	0.1	0.2	23	0.09	0.039
161763	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161764	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161765	Soil	0.7	3.3	9.7	43	<0.1	4.9	3.4	294	1.35	2.1	0.5	<0.5	1.1	6	0.1	0.1	0.1	32	0.07	0.079
161766	Soil	1.2	5.7	14.3	47	<0.1	6.5	3.7	742	1.20	3.7	5.6	0.6	0.7	23	0.2	0.2	0.2	28	0.30	0.025
161767	Soil	0.6	3.7	12.0	41	<0.1	6.3	3.9	203	1.57	1.9	0.6	<0.5	2.6	7	<0.1	0.1	0.2	34	0.08	0.073
161768	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161769	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161770	Soil	0.6	4.9	13.2	48	<0.1	6.2	3.4	139	1.54	2.3	0.6	<0.5	2.0	5	<0.1	0.2	0.2	35	0.07	0.097
161771	Soil	0.9	4.0	12.4	37	0.1	3.7	2.6	288	1.31	2.8	0.6	<0.5	1.5	4	0.2	0.2	0.2	28	0.04	0.090
161772	Soil	1.0	2.4	12.8	44	0.1	3.7	1.8	146	0.87	2.4	0.6	0.6	3.1	4	<0.1	0.2	0.3	18	0.04	0.068
161773	Soil	1.6	2.3	15.3	54	<0.1	3.3	1.8	407	0.75	3.3	0.7	<0.5	2.9	4	<0.1	<0.1	0.3	14	0.03	0.045
161774	Soil	0.3	2.6	6.6	18	<0.1	1.4	0.6	68	0.31	0.7	0.6	0.9	0.3	4	<0.1	<0.1	0.3	8	0.03	0.023
161775	Soil	0.7	2.1	13.9	15	<0.1	1.6	1.0	46	0.75	2.2	0.4	<0.5	0.8	5	<0.1	0.1	0.2	24	0.03	0.014
161776	Soil	1.2	4.1	11.5	26	0.1	3.8	1.5	83	0.61	1.7	0.5	0.8	0.2	6	0.2	0.2	0.2	15	0.03	0.023
161777	Soil	2.0	4.9	11.6	41	<0.1	4.6	2.9	112	1.82	3.6	0.5	0.6	1.0	8	0.2	0.2	0.2	53	0.07	0.030
161778	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161779	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161780	Soil	1.0	2.8	10.1	20	<0.1	2.6	1.5	56	0.93	1.8	0.5	0.6	1.3	4	<0.1	0.2	0.3	27	0.03	0.017



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 2 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
161751	Soil	8	16	0.15	76	0.020	<20	2.01	0.005	0.04	<0.1	0.08	1.5	0.1	<0.05	7	<0.5	<0.2
161752	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161753	Soil	8	12	0.12	63	0.034	<20	1.49	0.007	0.04	<0.1	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
161754	Soil	9	8	0.04	45	0.028	<20	0.48	0.007	0.04	<0.1	0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
161755	Soil	10	10	0.11	92	0.046	<20	0.61	0.007	0.06	<0.1	0.02	0.8	<0.1	<0.05	3	<0.5	<0.2
161756	Soil	8	11	0.14	132	0.046	<20	0.92	0.007	0.14	<0.1	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
161757	Soil	9	12	0.21	147	0.041	<20	1.27	0.007	0.06	<0.1	0.03	1.2	<0.1	<0.05	5	<0.5	<0.2
161758	Soil	9	15	0.06	64	0.046	<20	0.47	0.005	0.07	<0.1	0.03	0.7	<0.1	<0.05	3	<0.5	<0.2
161759	Soil	10	9	0.04	84	0.016	<20	0.52	0.008	0.04	<0.1	0.03	0.5	<0.1	<0.05	2	<0.5	<0.2
161760	Soil	13	13	0.06	87	0.015	<20	0.81	0.008	0.04	<0.1	0.03	0.7	0.1	<0.05	3	<0.5	<0.2
161761	Soil	16	9	0.08	161	0.010	<20	1.19	0.007	0.05	<0.1	0.03	0.8	0.1	<0.05	4	<0.5	<0.2
161762	Soil	9	19	0.10	126	0.023	<20	0.78	0.008	0.05	<0.1	0.03	0.8	<0.1	<0.05	3	<0.5	<0.2
161763	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161764	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161765	Soil	8	14	0.11	60	0.033	<20	1.24	0.009	0.04	<0.1	0.03	1.1	<0.1	<0.05	3	<0.5	<0.2
161766	Soil	16	16	0.18	179	0.019	<20	1.37	0.009	0.06	<0.1	0.05	1.9	<0.1	<0.05	3	<0.5	<0.2
161767	Soil	10	14	0.14	93	0.039	<20	1.45	0.008	0.05	<0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
161768	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161769	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161770	Soil	9	16	0.13	65	0.039	<20	1.24	0.008	0.03	<0.1	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
161771	Soil	10	13	0.09	42	0.025	<20	1.32	0.007	0.05	0.1	0.05	1.0	<0.1	<0.05	4	<0.5	<0.2
161772	Soil	12	11	0.08	97	0.009	<20	1.29	0.004	0.04	<0.1	0.05	0.9	0.1	<0.05	3	<0.5	<0.2
161773	Soil	18	10	0.06	113	0.005	<20	1.28	0.004	0.06	<0.1	0.03	0.8	0.2	<0.05	4	<0.5	<0.2
161774	Soil	21	6	0.01	55	0.005	<20	0.59	0.003	0.06	<0.1	0.02	0.3	0.1	<0.05	2	<0.5	<0.2
161775	Soil	12	8	0.03	32	0.043	<20	0.50	0.006	0.03	<0.1	0.02	0.6	0.1	<0.05	4	<0.5	<0.2
161776	Soil	15	11	0.03	70	0.011	<20	0.57	0.007	0.04	<0.1	0.04	0.4	<0.1	<0.05	3	<0.5	<0.2
161777	Soil	9	16	0.10	51	0.095	<20	0.61	0.008	0.03	<0.1	0.02	1.1	<0.1	<0.05	6	<0.5	<0.2
161778	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161779	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161780	Soil	12	11	0.04	33	0.041	<20	0.61	0.009	0.03	<0.1	0.02	0.7	0.1	<0.05	5	<0.5	<0.2



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: **UTM Exploration Services Ltd.**

Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water

Report Date: December 02, 2010

Page: 3 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
161781	Soil	0.8	2.9	5.8	19	<0.1	2.8	1.9	79	0.92	1.1	0.6	<0.5	0.7	5	0.1	0.2	0.2	28	0.04	0.014
161782	Soil	0.6	2.1	12.6	22	0.2	2.3	1.2	42	0.97	2.6	0.6	<0.5	1.4	4	<0.1	0.2	0.3	23	0.02	0.056
161783	Soil	1.3	2.8	6.9	26	<0.1	2.5	1.9	63	1.12	1.2	0.5	<0.5	1.2	8	0.2	0.2	0.1	34	0.05	0.008
161784	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161785	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161786	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161787	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161788	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161789	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161790	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161791	Soil	0.7	3.2	22.7	25	0.1	3.8	2.4	70	1.25	6.1	0.7	<0.5	2.2	5	<0.1	0.2	0.1	30	0.04	0.101
161792	Soil	0.3	0.9	6.1	6	<0.1	0.8	0.5	272	0.18	0.8	0.2	<0.5	0.2	5	<0.1	<0.1	0.1	7	0.02	0.011
161793	Soil	0.8	3.0	17.8	26	0.2	3.2	1.9	74	1.33	6.7	0.5	0.6	1.8	5	<0.1	0.2	0.2	28	0.04	0.088
161794	Soil	0.7	1.9	12.5	14	<0.1	2.6	1.5	78	0.53	2.1	0.6	0.6	0.4	33	0.2	0.2	0.1	12	0.26	0.025
161795	Soil	0.6	2.6	12.1	20	0.1	5.3	2.4	90	0.84	2.9	0.6	0.6	0.8	12	0.1	0.2	<0.1	22	0.11	0.023
161796	Soil	1.1	3.6	9.8	16	<0.1	2.8	1.2	54	0.81	1.3	0.6	2.1	0.3	7	0.1	0.2	0.4	19	0.04	0.024
161797	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161798	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161799	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161800	Soil	1.0	3.2	7.2	13	<0.1	3.8	1.2	60	0.78	0.9	0.4	<0.5	0.9	12	<0.1	0.1	0.1	21	0.11	0.016
161801	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161802	Soil	1.9	3.5	48.8	104	<0.1	5.8	2.6	3745	0.89	0.7	0.6	<0.5	0.3	13	0.6	0.1	0.3	16	0.12	0.051
161803	Soil	0.7	2.6	19.1	70	<0.1	5.6	2.5	430	1.22	0.9	0.5	<0.5	1.6	6	0.2	0.2	0.2	27	0.08	0.046
161804	Soil	1.2	2.2	10.0	24	<0.1	2.5	0.8	100	0.51	0.6	0.6	<0.5	<0.1	14	0.1	0.1	0.2	14	0.13	0.021
161805	Soil	0.7	2.1	12.2	24	<0.1	4.6	0.8	76	0.62	<0.5	0.4	<0.5	0.9	5	0.1	<0.1	0.2	15	0.04	0.034
161806	Soil	0.6	1.9	15.4	29	<0.1	3.0	1.3	152	0.87	0.6	0.4	<0.5	1.7	6	<0.1	<0.1	0.2	21	0.05	0.020
161807	Soil	1.1	2.2	11.9	21	<0.1	3.7	1.1	64	1.15	1.0	0.4	<0.5	1.1	5	<0.1	0.1	0.2	26	0.04	0.062
161808	Soil	0.7	4.2	11.8	30	<0.1	5.0	2.8	126	1.37	2.0	0.6	<0.5	2.1	5	<0.1	0.2	0.2	31	0.06	0.045
161809	Soil	1.7	5.6	21.0	46	0.1	7.3	3.8	998	1.25	3.0	2.9	0.6	0.3	21	0.3	0.3	0.3	27	0.35	0.034
161810	Soil	0.9	2.7	10.5	23	<0.1	4.4	1.1	69	0.92	<0.5	0.4	<0.5	0.8	6	0.1	0.2	0.3	23	0.05	0.019



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 3 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
161781	Soil	11	14	0.03	39	0.055	<20	0.38	0.005	0.04	<0.1	0.02	0.5	<0.1	<0.05	3	<0.5	<0.2
161782	Soil	12	10	0.04	41	0.022	<20	1.01	0.006	0.03	<0.1	0.05	0.7	0.1	<0.05	4	<0.5	<0.2
161783	Soil	8	14	0.04	60	0.046	<20	0.46	0.007	0.02	<0.1	0.01	0.6	<0.1	<0.05	3	<0.5	<0.2
161784	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161785	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161786	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161787	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161788	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161789	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161790	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161791	Soil	7	15	0.08	72	0.029	<20	1.81	0.009	0.03	<0.1	0.04	1.4	<0.1	<0.05	3	<0.5	<0.2
161792	Soil	8	5	0.01	28	0.018	<20	0.28	0.009	0.02	<0.1	0.01	0.3	<0.1	<0.05	2	<0.5	<0.2
161793	Soil	9	13	0.06	54	0.034	<20	1.21	0.008	0.03	<0.1	0.05	1.0	<0.1	<0.05	5	<0.5	<0.2
161794	Soil	15	8	0.05	95	0.021	<20	0.68	0.009	0.05	<0.1	0.03	0.6	<0.1	<0.05	3	<0.5	<0.2
161795	Soil	10	15	0.11	57	0.053	<20	0.75	0.009	0.04	<0.1	0.03	0.9	<0.1	<0.05	2	<0.5	<0.2
161796	Soil	9	9	0.04	46	0.023	<20	0.55	0.011	0.03	<0.1	0.02	0.5	0.1	<0.05	3	<0.5	<0.2
161797	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161798	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161799	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161800	Soil	7	11	0.04	45	0.043	<20	0.31	0.006	0.03	<0.1	0.02	0.4	<0.1	0.05	2	<0.5	<0.2
161801	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161802	Soil	14	8	0.08	168	0.009	<20	0.86	0.006	0.05	<0.1	0.06	0.4	0.2	0.06	3	<0.5	<0.2
161803	Soil	10	8	0.10	79	0.019	<20	0.88	0.006	0.04	<0.1	0.04	0.8	0.1	<0.05	4	<0.5	<0.2
161804	Soil	7	5	0.05	70	0.016	<20	0.35	0.008	0.03	<0.1	0.03	0.3	<0.1	0.05	3	<0.5	<0.2
161805	Soil	10	7	0.04	52	0.024	<20	0.53	0.006	0.04	<0.1	0.02	0.5	0.1	<0.05	3	<0.5	<0.2
161806	Soil	11	7	0.05	58	0.019	<20	0.72	0.008	0.03	<0.1	0.02	0.7	<0.1	<0.05	3	<0.5	<0.2
161807	Soil	11	9	0.04	34	0.042	<20	0.64	0.006	0.03	<0.1	0.02	0.6	<0.1	<0.05	5	<0.5	<0.2
161808	Soil	10	11	0.12	51	0.039	<20	0.86	0.007	0.03	<0.1	0.05	0.9	<0.1	<0.05	3	<0.5	<0.2
161809	Soil	18	14	0.15	179	0.011	<20	0.98	0.008	0.06	<0.1	0.05	1.0	<0.1	<0.05	4	<0.5	<0.2
161810	Soil	10	11	0.04	39	0.046	<20	0.38	0.008	0.03	<0.1	0.02	0.4	<0.1	<0.05	3	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 4 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
161811	Soil	0.9	3.5	15.4	58	<0.1	6.1	2.9	292	1.37	0.9	0.4	<0.5	1.8	8	0.1	0.1	0.2	31	0.09	0.044
161812	Soil	0.7	3.5	11.5	30	<0.1	4.6	1.9	135	1.31	1.1	0.4	1.0	1.3	7	<0.1	0.2	0.2	28	0.07	0.079
161813	Soil	0.7	2.3	8.9	18	<0.1	2.9	0.8	174	0.67	0.6	0.4	0.6	0.2	4	<0.1	0.1	0.3	16	0.03	0.022
161814	Soil	0.9	12.4	8.1	43	0.1	6.6	3.3	129	1.10	<0.5	0.3	<0.5	<0.1	4	<0.1	<0.1	0.2	25	0.02	0.034
161815	Soil	1.5	3.2	14.3	39	<0.1	5.0	2.1	203	1.10	1.5	0.5	<0.5	1.6	7	<0.1	0.1	0.2	25	0.09	0.066
161816	Soil	1.0	3.9	10.9	26	<0.1	3.9	1.7	100	1.32	1.4	0.5	0.5	1.1	5	<0.1	0.1	0.2	31	0.04	0.039
161817	Soil	0.7	2.8	8.3	16	<0.1	3.4	1.0	62	0.92	1.2	0.5	<0.5	0.9	4	<0.1	0.2	0.2	18	0.03	0.077
161818	Soil	0.6	1.4	10.3	10	0.1	3.3	0.7	29	0.51	<0.5	0.4	<0.5	0.9	3	<0.1	0.1	0.2	15	0.02	0.012
161819	Soil	0.7	1.5	9.0	8	<0.1	2.4	0.4	29	0.35	<0.5	0.3	<0.5	0.1	4	<0.1	<0.1	0.2	12	0.03	0.014
161820	Soil	2.4	2.1	4.1	13	<0.1	2.9	0.7	43	0.59	0.7	0.3	23.6	0.2	5	<0.1	0.2	0.1	18	0.05	0.012
161821	Soil	2.1	3.1	5.6	23	<0.1	4.2	1.2	46	0.85	2.1	0.4	<0.5	0.8	4	<0.1	0.4	0.2	24	0.03	0.013
161822	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161823	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161824	Soil	1.3	4.3	12.5	29	0.2	5.5	1.5	99	1.07	2.1	0.5	<0.5	0.5	6	0.1	0.2	0.2	26	0.07	0.055
161825	Soil	0.6	2.0	5.4	10	<0.1	2.6	0.6	39	0.57	0.5	0.3	<0.5	0.5	4	<0.1	0.1	0.1	18	0.03	0.010
161826	Soil	0.8	4.2	5.6	16	0.2	3.9	1.1	49	1.13	0.8	0.4	<0.5	0.2	7	<0.1	0.2	0.2	33	0.03	0.016
161827	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161828	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161829	Soil	0.7	4.7	9.6	28	<0.1	7.1	3.0	100	1.40	4.7	0.7	<0.5	2.2	6	0.1	0.2	0.2	29	0.04	0.070
161830	Soil	0.4	1.6	4.4	10	<0.1	2.8	0.7	38	0.42	0.7	0.3	<0.5	0.3	3	<0.1	<0.1	0.1	12	0.02	0.013
161831	Soil	0.6	1.9	5.6	14	<0.1	3.3	1.0	60	0.72	1.8	0.3	<0.5	0.6	5	<0.1	0.1	0.1	20	0.07	0.013
161832	Soil	0.3	0.9	7.0	7	<0.1	2.2	0.3	28	0.17	<0.5	0.2	<0.5	0.1	5	<0.1	<0.1	0.1	6	0.04	0.009
161833	Soil	0.6	1.9	5.8	11	<0.1	3.2	0.9	39	0.74	2.6	0.3	<0.5	1.0	5	<0.1	0.1	0.1	21	0.03	0.016
161834	Soil	2.5	2.1	5.4	10	0.1	6.0	0.7	33	0.51	1.2	0.3	<0.5	0.3	7	<0.1	<0.1	0.1	15	0.05	0.018
161835	Soil	0.6	2.2	6.0	16	0.1	4.5	1.1	40	0.79	1.7	0.3	<0.5	0.3	4	<0.1	0.1	0.1	23	0.02	0.020
161836	Soil	1.1	4.2	11.3	28	0.2	5.1	1.6	99	1.95	9.1	0.4	<0.5	1.1	5	0.1	0.2	0.2	38	0.05	0.152
161837	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161838	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161839	Soil	1.6	4.9	9.1	36	<0.1	8.3	4.1	147	1.14	3.3	0.5	<0.5	0.7	31	<0.1	0.1	0.1	28	0.25	0.022
161840	Soil	0.7	2.7	17.8	40	<0.1	5.3	2.1	339	0.90	0.9	0.4	<0.5	1.3	14	<0.1	0.1	0.1	23	0.19	0.030



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 4 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
161811	Soil	10	13	0.12	76	0.041	<20	0.83	0.008	0.04	<0.1	0.04	1.0	<0.1	<0.05	4	<0.5	<0.2
161812	Soil	9	12	0.07	43	0.034	<20	1.00	0.006	0.03	<0.1	0.06	0.8	<0.1	<0.05	5	<0.5	<0.2
161813	Soil	13	8	0.02	47	0.019	<20	0.47	0.005	0.03	<0.1	0.03	0.2	0.1	<0.05	3	<0.5	<0.2
161814	Soil	6	9	0.11	46	0.020	<20	0.72	0.007	0.02	<0.1	0.03	0.7	<0.1	<0.05	5	<0.5	<0.2
161815	Soil	12	9	0.10	77	0.012	<20	1.00	0.005	0.08	<0.1	0.03	0.7	0.1	<0.05	4	<0.5	<0.2
161816	Soil	10	10	0.08	50	0.019	<20	0.97	0.006	0.03	<0.1	0.04	0.8	0.1	<0.05	5	<0.5	<0.2
161817	Soil	10	8	0.04	41	0.022	<20	0.71	0.008	0.03	<0.1	0.04	0.5	0.1	<0.05	4	<0.5	<0.2
161818	Soil	10	7	0.02	23	0.035	<20	0.30	0.006	0.03	<0.1	0.02	0.3	<0.1	<0.05	3	<0.5	<0.2
161819	Soil	11	5	0.02	33	0.013	<20	0.38	0.005	0.02	<0.1	0.02	0.2	0.1	<0.05	3	<0.5	<0.2
161820	Soil	10	8	0.02	41	0.013	<20	0.35	0.006	0.03	<0.1	0.02	0.3	<0.1	<0.05	3	<0.5	<0.2
161821	Soil	10	11	0.03	51	0.023	<20	0.52	0.004	0.04	<0.1	0.02	0.4	0.2	<0.05	3	<0.5	<0.2
161822	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161823	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161824	Soil	11	10	0.07	82	0.019	<20	0.72	0.006	0.05	<0.1	0.07	0.5	<0.1	<0.05	3	<0.5	<0.2
161825	Soil	11	8	0.02	27	0.023	<20	0.43	0.007	0.03	<0.1	0.01	0.3	<0.1	<0.05	3	<0.5	<0.2
161826	Soil	8	14	0.03	52	0.034	<20	0.53	0.009	0.03	<0.1	0.03	0.4	<0.1	<0.05	4	<0.5	<0.2
161827	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161828	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161829	Soil	9	12	0.11	71	0.017	<20	1.42	0.008	0.04	<0.1	0.04	0.8	<0.1	<0.05	4	<0.5	<0.2
161830	Soil	9	6	0.02	26	0.017	<20	0.53	0.005	0.02	<0.1	0.02	0.2	0.1	<0.05	3	<0.5	<0.2
161831	Soil	10	9	0.02	23	0.020	<20	0.49	0.004	0.05	<0.1	0.02	0.2	0.1	<0.05	3	<0.5	<0.2
161832	Soil	7	5	0.01	18	0.015	<20	0.26	0.007	0.04	<0.1	0.02	0.2	<0.1	<0.05	2	<0.5	<0.2
161833	Soil	9	8	0.02	26	0.033	<20	0.45	0.004	0.02	<0.1	0.03	0.4	0.1	<0.05	3	<0.5	<0.2
161834	Soil	7	13	0.02	31	0.021	<20	0.31	0.006	0.04	<0.1	0.02	0.3	<0.1	<0.05	2	<0.5	<0.2
161835	Soil	9	12	0.02	33	0.027	<20	0.61	0.007	0.03	<0.1	0.02	0.5	0.2	<0.05	4	<0.5	<0.2
161836	Soil	9	14	0.07	48	0.034	<20	1.99	0.005	0.05	<0.1	0.08	1.1	0.1	<0.05	6	<0.5	<0.2
161837	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161838	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161839	Soil	8	13	0.23	122	0.066	<20	0.84	0.010	0.08	<0.1	0.02	1.2	<0.1	<0.05	4	0.6	<0.2
161840	Soil	9	11	0.11	62	0.037	<20	0.75	0.011	0.06	0.1	0.04	1.0	<0.1	<0.05	3	0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 5 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
161841	Soil	0.9	3.7	31.7	45	<0.1	4.9	2.8	2139	0.94	1.2	0.7	<0.5	0.7	36	0.2	0.1	0.4	20	0.42	0.055
161842	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161843	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161844	Soil	0.2	2.1	13.9	13	<0.1	1.9	0.7	119	0.40	0.7	0.3	<0.5	0.2	7	<0.1	<0.1	0.2	10	0.08	0.026
161845	Soil	0.7	3.9	17.2	52	<0.1	5.8	3.8	769	1.75	4.0	0.6	0.7	1.2	7	<0.1	0.2	0.2	31	0.06	0.076
161846	Soil	1.0	6.9	15.6	55	0.1	6.5	3.7	133	2.56	4.7	0.8	<0.5	2.5	5	0.1	0.2	0.2	47	0.07	0.243
161847	Soil	0.6	3.1	11.0	20	<0.1	3.1	1.6	77	0.86	0.8	0.5	<0.5	0.6	8	0.1	0.1	0.2	19	0.09	0.013
161848	Soil	0.9	3.8	13.9	61	<0.1	5.5	3.6	1122	1.30	1.5	0.7	<0.5	1.2	9	0.8	0.1	0.2	23	0.11	0.044
161849	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161850	Soil	0.6	3.0	19.1	28	<0.1	2.7	1.3	65	1.09	1.8	0.6	<0.5	2.9	4	<0.1	0.1	0.3	19	0.04	0.080
161851	Soil	1.0	4.9	8.3	25	<0.1	3.4	1.3	101	1.05	1.8	0.4	<0.5	0.6	14	<0.1	0.1	0.2	20	0.15	0.058
161852	Soil	0.6	4.4	9.1	21	<0.1	3.6	1.5	427	1.26	1.7	0.4	9.7	0.6	5	<0.1	0.2	0.2	24	0.04	0.065
161853	Soil	0.7	1.4	8.9	14	<0.1	2.5	0.6	66	0.34	1.8	0.4	1.3	0.3	3	<0.1	0.2	0.3	7	0.02	0.011
161854	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161855	Soil	0.3	2.8	7.9	16	<0.1	2.6	1.7	193	0.78	2.9	0.5	<0.5	1.9	8	<0.1	0.2	0.1	17	0.09	0.038
161856	Soil	0.7	3.1	12.3	19	<0.1	3.0	1.5	59	1.00	2.2	0.5	<0.5	0.3	5	<0.1	0.1	0.2	20	0.04	0.042
161857	Soil	1.6	4.1	6.5	14	<0.1	1.8	1.0	42	0.60	3.1	0.9	<0.5	0.4	44	0.1	0.1	0.1	15	0.21	0.016
161858	Soil	2.6	3.7	12.4	24	<0.1	3.3	2.6	477	0.69	2.2	0.8	<0.5	0.4	29	0.1	0.2	0.2	18	0.17	0.016
161859	Soil	1.1	3.5	10.7	21	<0.1	4.5	2.3	197	0.83	2.4	1.4	<0.5	0.8	50	0.1	0.2	0.1	17	0.30	0.013
161860	Soil	0.5	3.3	5.9	15	<0.1	2.3	1.3	54	1.25	1.1	0.4	<0.5	1.0	6	<0.1	0.1	0.2	29	0.02	0.012
161861	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161862	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161863	Soil	0.8	3.7	10.1	31	<0.1	3.3	1.9	66	1.39	10.2	0.5	<0.5	1.9	4	0.1	0.3	0.2	29	0.03	0.088
161864	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161865	Soil	0.6	2.1	4.6	11	<0.1	2.8	0.6	43	0.48	1.8	0.3	<0.5	0.3	4	<0.1	0.1	0.1	10	0.04	0.015
161866	Soil	0.4	2.4	7.2	13	<0.1	2.5	1.2	52	0.99	2.2	0.3	<0.5	1.0	5	<0.1	0.1	0.1	27	0.03	0.013
161867	Soil	0.4	1.2	15.9	14	<0.1	2.0	0.5	29	0.61	5.5	0.3	<0.5	0.8	4	<0.1	0.1	0.2	14	0.03	0.036
161868	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161869	Soil	1.0	3.6	15.3	41	<0.1	4.7	2.5	107	1.00	12.5	0.7	<0.5	1.4	14	0.2	0.2	<0.1	26	0.17	0.021
161870	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 5 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
161841	Soil	11	9	0.12	167	0.024	<20	1.12	0.008	0.08	<0.1	0.06	1.0	0.2	<0.05	3	0.6	<0.2
161842	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161843	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161844	Soil	6	5	0.03	34	0.044	<20	0.46	0.007	0.03	<0.1	0.04	0.4	<0.1	0.07	4	<0.5	<0.2
161845	Soil	6	12	0.11	63	0.059	<20	1.77	0.007	0.04	<0.1	0.06	1.2	<0.1	0.08	4	<0.5	<0.2
161846	Soil	6	16	0.16	45	0.045	<20	3.18	0.005	0.03	<0.1	0.09	1.7	<0.1	0.05	6	<0.5	<0.2
161847	Soil	6	8	0.07	49	0.047	<20	0.44	0.007	0.03	<0.1	0.02	0.5	<0.1	0.06	2	<0.5	<0.2
161848	Soil	8	11	0.13	83	0.046	<20	1.07	0.006	0.04	<0.1	0.05	0.8	0.1	<0.05	3	<0.5	<0.2
161849	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161850	Soil	12	8	0.06	50	0.020	<20	1.97	0.006	0.03	0.1	0.09	0.7	0.1	<0.05	5	<0.5	<0.2
161851	Soil	9	6	0.04	66	0.021	<20	0.84	0.006	0.03	<0.1	0.06	0.3	<0.1	<0.05	3	<0.5	<0.2
161852	Soil	9	9	0.05	53	0.032	<20	0.78	0.005	0.03	<0.1	0.03	0.4	<0.1	<0.05	4	<0.5	<0.2
161853	Soil	14	6	0.01	32	0.015	<20	0.43	0.003	0.04	<0.1	0.03	0.1	0.1	<0.05	2	<0.5	<0.2
161854	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161855	Soil	11	7	0.07	68	0.027	<20	0.44	0.011	0.04	<0.1	0.03	0.4	<0.1	<0.05	2	<0.5	<0.2
161856	Soil	10	8	0.05	45	0.026	<20	0.67	0.004	0.03	<0.1	0.04	0.3	<0.1	<0.05	3	<0.5	<0.2
161857	Soil	10	6	0.03	113	0.016	<20	0.45	0.006	0.03	<0.1	0.02	0.2	<0.1	<0.05	2	<0.5	<0.2
161858	Soil	10	7	0.06	168	0.021	<20	0.58	0.005	0.04	<0.1	0.04	0.5	<0.1	<0.05	3	<0.5	<0.2
161859	Soil	13	9	0.12	155	0.035	<20	0.60	0.007	0.04	<0.1	0.03	0.7	<0.1	<0.05	2	<0.5	<0.2
161860	Soil	8	12	0.02	38	0.039	<20	0.55	0.005	0.03	<0.1	0.02	0.4	<0.1	<0.05	3	<0.5	<0.2
161861	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161862	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161863	Soil	7	11	0.07	48	0.025	<20	1.63	0.006	0.03	<0.1	0.08	0.9	<0.1	<0.05	3	<0.5	<0.2
161864	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161865	Soil	10	8	0.01	30	0.016	<20	0.43	0.005	0.03	<0.1	0.03	0.2	<0.1	<0.05	2	<0.5	<0.2
161866	Soil	9	9	0.03	27	0.058	<20	0.44	0.005	0.02	<0.1	0.01	0.4	<0.1	<0.05	4	<0.5	<0.2
161867	Soil	8	5	0.02	34	0.037	<20	0.59	0.007	0.02	<0.1	0.04	0.3	<0.1	<0.05	4	<0.5	<0.2
161868	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161869	Soil	10	11	0.14	76	0.060	<20	0.71	0.012	0.04	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
161870	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 6 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
161871	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161872	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161873	Soil	0.8	5.7	15.4	113	0.2	8.1	6.1	343	2.16	3.1	0.6	<0.5	2.5	8	0.2	0.2	0.1	40	0.08	0.172
161874	Soil	1.0	5.1	11.9	67	0.3	6.0	2.9	125	2.23	4.2	0.6	<0.5	2.4	5	<0.1	0.2	0.2	46	0.05	0.305
161875	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161876	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161877	Soil	0.4	2.1	2.9	13	<0.1	3.0	0.8	39	0.62	0.6	0.3	<0.5	0.4	5	<0.1	<0.1	<0.1	18	0.04	0.015
161878	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161879	Soil	1.2	4.0	17.6	51	0.1	6.8	3.0	272	1.21	1.7	0.7	4.8	1.2	22	0.1	0.1	0.2	31	0.20	0.016
161880	Soil	0.5	2.2	12.5	19	0.1	2.7	1.1	71	0.85	1.0	0.4	<0.5	0.9	5	<0.1	0.2	0.3	22	0.04	0.019
161881	Soil	0.7	2.2	2.9	13	<0.1	2.9	0.8	58	0.61	0.9	0.3	1.3	0.7	6	<0.1	0.1	<0.1	19	0.05	0.012
161882	Soil	0.5	1.8	3.3	9	<0.1	2.1	0.6	22	0.44	0.8	0.3	<0.5	0.9	6	0.2	<0.1	<0.1	12	0.03	0.010
161883	Soil	0.4	1.8	10.1	18	<0.1	1.8	0.9	54	0.93	1.4	0.3	1.9	1.4	3	<0.1	0.1	0.2	21	0.02	0.057
161884	Soil	0.9	3.7	15.8	28	0.2	4.4	1.9	57	1.83	5.1	0.7	0.7	3.4	4	<0.1	0.2	0.3	35	0.03	0.198
161885	Soil	0.7	1.7	10.4	25	<0.1	1.6	0.8	41	0.75	1.8	0.4	<0.5	2.6	4	<0.1	0.1	0.2	14	0.03	0.037
161886	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161887	Soil	1.3	34.3	6.1	83	0.3	34.4	4.2	74	2.54	15.3	0.3	2.9	1.1	9	0.1	0.3	0.1	28	0.03	0.051
161888	Soil	0.7	8.8	8.9	40	0.1	10.7	4.7	138	2.29	4.6	0.4	<0.5	1.7	5	<0.1	0.2	0.1	53	0.05	0.086
161889	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161890	Soil	0.9	7.9	11.1	38	0.2	5.4	3.3	167	2.05	3.6	0.4	<0.5	1.8	5	0.1	0.2	0.1	51	0.05	0.111
161891	Soil	1.1	7.5	13.1	71	0.1	8.4	4.3	103	2.61	5.6	0.5	<0.5	2.1	5	0.1	0.2	0.1	51	0.05	0.127
161892	Soil	0.6	3.3	8.7	24	<0.1	4.0	1.1	62	1.00	1.3	0.4	0.8	1.4	4	<0.1	0.1	0.2	27	0.03	0.031
161893	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161894	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161895	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161896	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161897	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161898	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161899	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
161900	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 6 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
161871	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
161872	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
161873	Soil	9	16	0.13	73	0.041	<20	3.30	0.009	0.04	<0.1	0.07	1.7	0.1	<0.05	6	<0.5	<0.2
161874	Soil	8	15	0.09	56	0.026	<20	3.59	0.009	0.04	0.1	0.08	1.3	0.1	<0.05	7	<0.5	<0.2
161875	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
161876	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
161877	Soil	9	7	0.02	46	0.022	<20	0.39	0.010	0.03	<0.1	0.01	0.3	<0.1	<0.05	2	<0.5	<0.2
161878	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
161879	Soil	13	12	0.13	105	0.059	<20	0.93	0.011	0.04	<0.1	0.01	1.0	<0.1	<0.05	3	<0.5	<0.2
161880	Soil	11	6	0.03	33	0.047	<20	0.68	0.006	0.03	<0.1	0.03	0.5	<0.1	<0.05	4	<0.5	<0.2
161881	Soil	10	8	0.02	36	0.020	<20	0.33	0.008	0.04	<0.1	0.03	0.3	<0.1	<0.05	2	<0.5	<0.2
161882	Soil	10	5	<0.01	40	0.014	<20	0.36	0.008	0.03	<0.1	0.02	0.2	<0.1	<0.05	2	<0.5	<0.2
161883	Soil	8	7	0.02	35	0.030	<20	0.83	0.006	0.02	<0.1	0.03	0.5	<0.1	<0.05	4	<0.5	<0.2
161884	Soil	9	10	0.05	52	0.017	<20	3.21	0.006	0.03	0.1	0.05	1.0	<0.1	<0.05	6	<0.5	<0.2
161885	Soil	11	5	0.03	64	0.006	<20	1.03	0.005	0.03	<0.1	0.05	0.4	0.1	0.13	3	<0.5	<0.2
161886	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
161887	Soil	5	16	0.09	63	0.004	<20	0.85	0.003	0.04	<0.1	0.05	1.7	<0.1	<0.05	2	<0.5	<0.2
161888	Soil	7	21	0.19	47	0.062	<20	1.70	0.007	0.03	<0.1	0.05	1.5	<0.1	<0.05	5	<0.5	<0.2
161889	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
161890	Soil	8	10	0.10	52	0.025	<20	1.68	0.007	0.03	<0.1	0.04	1.2	<0.1	<0.05	5	<0.5	<0.2
161891	Soil	7	13	0.14	67	0.020	<20	2.59	0.007	0.04	<0.1	0.08	1.5	<0.1	<0.05	6	<0.5	<0.2
161892	Soil	10	8	0.04	33	0.028	<20	0.93	0.005	0.03	<0.1	0.02	0.6	<0.1	<0.05	4	<0.5	<0.2
161893	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
161894	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
161895	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
161896	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
161897	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
161898	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
161899	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
161900	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	



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: **UTM Exploration Services Ltd.**

Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water

Report Date: December 02, 2010

Page: 7 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
161901	Soil	0.4	2.8	10.0	43	<0.1	3.7	2.5	331	0.97	1.5	0.6	3.8	1.5	10	0.2	0.1	0.2	19	0.10	0.079
161902	Soil	0.6	18.1	14.9	56	<0.1	6.1	3.7	329	1.36	2.0	0.4	<0.5	1.5	14	0.1	0.1	<0.1	27	0.17	0.156
161903	Soil	0.8	4.6	22.6	102	<0.1	5.9	3.5	466	1.33	1.3	0.4	<0.5	0.9	18	0.1	0.1	0.1	28	0.16	0.118
161904	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161905	Soil	0.6	1.9	21.3	46	<0.1	5.5	1.3	322	0.53	0.8	0.7	<0.5	2.3	13	<0.1	<0.1	0.2	13	0.14	0.024
161906	Soil	1.1	0.8	24.9	46	<0.1	2.3	0.6	495	0.27	<0.5	0.5	<0.5	2.5	16	0.1	<0.1	0.2	6	0.16	0.018
161907	Soil	0.7	3.4	18.8	79	<0.1	4.5	2.6	169	1.59	1.6	0.5	<0.5	2.0	7	0.1	<0.1	0.2	31	0.09	0.112
161908	Soil	0.7	4.5	21.8	36	0.2	2.8	1.3	68	1.54	3.4	0.5	3.9	0.8	6	0.3	0.2	0.2	29	0.04	0.133
161909	Soil	0.8	3.6	14.8	47	<0.1	3.6	2.0	94	1.39	2.1	0.6	<0.5	1.4	5	<0.1	0.1	0.2	28	0.06	0.116
161910	Soil	1.2	3.4	14.6	58	<0.1	4.5	2.6	104	1.35	2.3	0.7	<0.5	1.4	12	0.1	0.1	0.2	29	0.15	0.037
161911	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161912	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161913	Soil	1.2	3.8	20.2	65	<0.1	5.1	2.7	1175	0.99	1.5	0.5	<0.5	0.9	9	0.1	0.1	0.3	20	0.10	0.070
161914	Soil	0.8	3.8	9.9	35	0.1	3.3	1.7	129	1.34	1.6	0.6	0.9	0.9	7	0.1	0.1	0.3	28	0.06	0.199
161915	Soil	0.9	6.9	16.9	129	0.2	8.0	4.5	154	2.30	2.5	0.7	<0.5	2.2	8	0.3	0.2	0.2	42	0.10	0.263
161916	Soil	0.8	4.7	18.9	80	<0.1	6.5	3.6	250	1.64	1.9	0.6	<0.5	2.3	8	0.1	0.1	0.2	34	0.09	0.075
161917	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161918	Soil	0.7	3.6	13.5	48	0.1	3.9	1.6	98	1.15	2.4	0.6	0.6	2.3	6	0.1	0.2	0.2	25	0.05	0.088
161919	Soil	0.6	3.6	12.7	33	0.5	2.1	1.3	76	1.02	1.8	0.5	<0.5	2.1	5	<0.1	0.1	0.3	22	0.04	0.143
161920	Soil	0.7	3.3	10.4	43	0.1	4.1	2.0	168	1.41	2.2	0.5	<0.5	1.8	6	<0.1	0.2	0.2	29	0.05	0.082
161921	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161922	Soil	0.9	1.1	11.6	30	0.2	1.7	0.7	56	0.64	1.8	0.6	<0.5	1.6	4	<0.1	0.2	0.2	12	0.03	0.041
161923	Soil	1.0	3.2	11.0	25	0.1	3.3	1.2	64	1.06	2.7	0.6	<0.5	1.5	5	<0.1	0.2	0.2	23	0.04	0.062
161924	Soil	1.3	4.5	11.5	44	<0.1	5.1	2.9	108	1.02	1.7	0.4	<0.5	0.3	12	<0.1	0.1	0.2	31	0.12	0.021
161925	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161926	Soil	6.2	14.2	28.6	81	0.5	10.6	5.4	1123	1.78	25.0	10.8	<0.5	1.1	104	0.4	0.4	0.3	23	0.80	0.091
161927	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161928	Soil	1.6	4.1	11.9	34	0.2	3.2	1.8	78	1.33	2.4	0.7	1.7	0.3	39	0.2	0.2	0.2	31	0.31	0.028
161929	Soil	4.6	10.9	22.3	59	0.2	7.8	8.1	851	1.80	5.1	1.3	<0.5	0.5	55	0.3	0.3	0.2	41	0.40	0.027
161930	Soil	1.0	4.0	11.3	28	0.1	3.6	2.4	89	1.90	4.9	0.6	<0.5	2.0	6	0.1	0.2	0.1	40	0.07	0.058



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 7 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
161901	Soil	10	9	0.11	56	0.045	<20	0.81	0.008	0.04	<0.1	0.03	1.0	<0.1	<0.05	3	<0.5	<0.2
161902	Soil	8	12	0.14	100	0.054	<20	1.19	0.009	0.05	<0.1	0.04	1.0	<0.1	<0.05	4	<0.5	<0.2
161903	Soil	9	10	0.19	183	0.061	<20	1.10	0.012	0.06	<0.1	0.04	1.3	<0.1	<0.05	4	0.5	<0.2
161904	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161905	Soil	17	11	0.08	107	0.012	<20	0.74	0.005	0.10	<0.1	0.03	0.6	0.1	<0.05	2	<0.5	<0.2
161906	Soil	22	5	0.03	88	0.010	<20	0.51	0.007	0.11	<0.1	0.02	0.4	0.2	<0.05	1	<0.5	<0.2
161907	Soil	12	13	0.10	54	0.022	<20	1.76	0.013	0.05	<0.1	0.03	1.4	0.2	<0.05	5	0.6	<0.2
161908	Soil	10	11	0.04	50	0.035	<20	1.34	0.015	0.03	<0.1	0.07	0.9	<0.1	<0.05	5	0.7	<0.2
161909	Soil	13	11	0.09	64	0.026	<20	1.96	0.008	0.05	<0.1	0.05	1.2	0.1	<0.05	5	<0.5	<0.2
161910	Soil	11	10	0.12	89	0.021	<20	1.37	0.010	0.07	<0.1	0.04	1.0	<0.1	<0.05	5	0.5	<0.2
161911	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161912	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161913	Soil	15	11	0.11	120	0.026	<20	1.43	0.013	0.05	<0.1	0.06	1.0	0.1	<0.05	5	0.6	<0.2
161914	Soil	10	11	0.07	78	0.043	<20	1.73	0.015	0.05	<0.1	0.04	1.2	<0.1	<0.05	6	0.6	<0.2
161915	Soil	8	18	0.18	101	0.059	<20	2.70	0.007	0.05	0.1	0.08	2.0	<0.1	<0.05	6	<0.5	<0.2
161916	Soil	9	13	0.14	108	0.056	<20	1.81	0.009	0.06	<0.1	0.05	1.6	<0.1	<0.05	5	0.5	<0.2
161917	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161918	Soil	11	10	0.09	91	0.030	<20	2.54	0.010	0.04	<0.1	0.06	1.2	0.1	<0.05	5	0.7	<0.2
161919	Soil	11	7	0.06	61	0.028	<20	1.90	0.010	0.04	<0.1	0.06	1.1	0.1	<0.05	5	0.5	<0.2
161920	Soil	10	12	0.09	59	0.037	<20	2.13	0.007	0.05	<0.1	0.07	1.2	<0.1	<0.05	6	<0.5	<0.2
161921	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161922	Soil	15	3	0.05	62	0.010	<20	1.32	0.008	0.04	<0.1	0.05	0.5	0.2	<0.05	4	<0.5	<0.2
161923	Soil	11	9	0.06	45	0.027	<20	1.37	0.014	0.04	<0.1	0.06	0.8	0.2	<0.05	5	<0.5	<0.2
161924	Soil	9	10	0.15	86	0.038	<20	0.93	0.021	0.05	<0.1	0.03	0.8	0.2	<0.05	5	<0.5	<0.2
161925	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161926	Soil	41	15	0.28	594	0.004	<20	3.00	0.010	0.15	<0.1	0.17	2.5	0.6	<0.05	5	<0.5	<0.2
161927	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161928	Soil	12	11	0.09	129	0.038	<20	0.92	0.008	0.05	<0.1	0.03	0.7	<0.1	<0.05	5	0.5	<0.2
161929	Soil	13	18	0.22	246	0.028	<20	1.32	0.008	0.14	<0.1	0.04	1.2	0.2	<0.05	5	<0.5	<0.2
161930	Soil	10	14	0.10	62	0.050	<20	2.04	0.007	0.03	0.1	0.08	1.3	<0.1	<0.05	3	<0.5	<0.2



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: **UTM Exploration Services Ltd.**

Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water

Report Date: December 02, 2010

Page: 8 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
161931	Soil	3.5	8.0	12.0	53	0.2	6.9	6.0	584	1.74	2.9	1.3	<0.5	0.3	44	0.2	0.2	0.2	41	0.33	0.037
161932	Soil	1.3	5.3	9.0	37	0.2	4.6	2.7	107	1.95	6.4	0.5	1.0	1.2	7	0.1	0.2	0.2	45	0.07	0.121
161933	Soil	0.9	2.2	8.2	21	0.2	2.3	1.2	58	0.79	2.2	0.5	<0.5	0.6	8	<0.1	0.1	0.2	22	0.04	0.017
161934	Soil	1.8	2.0	16.4	22	0.1	3.1	1.8	206	0.64	2.8	0.7	<0.5	0.6	16	<0.1	0.1	0.1	18	0.11	0.019
161935	Soil	0.9	4.8	14.6	46	0.3	5.1	2.5	181	1.13	5.3	0.7	<0.5	1.7	8	0.2	0.2	0.1	25	0.07	0.056
161936	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161937	Soil	0.8	2.1	3.8	12	0.1	2.7	0.7	47	0.59	1.3	0.3	<0.5	0.9	4	<0.1	0.1	0.1	17	0.03	0.009
161938	Soil	3.4	6.1	34.8	69	0.3	6.2	4.1	1208	1.32	18.0	0.9	<0.5	0.3	41	0.5	0.3	0.1	30	0.31	0.027
161939	Soil	1.5	4.4	22.5	41	0.6	3.1	1.7	75	1.52	14.9	0.6	<0.5	2.0	7	0.2	0.2	0.2	30	0.06	0.146
161940	Soil	0.6	1.7	9.7	13	<0.1	1.4	0.7	45	1.02	6.8	0.4	<0.5	1.1	4	<0.1	0.2	0.1	29	0.03	0.054
161941	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161942	Soil	1.7	2.0	10.7	15	<0.1	1.9	1.0	52	0.79	2.3	0.4	1.0	0.4	6	0.2	0.2	0.2	25	0.03	0.025
161943	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161944	Soil	0.5	4.9	11.0	30	<0.1	6.4	3.2	126	1.49	4.6	0.6	<0.5	2.0	8	<0.1	0.1	<0.1	36	0.07	0.069
161945	Soil	0.7	3.7	18.4	64	0.2	5.6	3.0	829	0.91	0.9	0.4	<0.5	0.8	31	0.1	0.2	0.2	19	0.23	0.115
161946	Soil	1.3	2.4	23.6	60	<0.1	5.8	4.0	925	1.18	1.1	0.4	<0.5	1.7	21	<0.1	0.2	0.2	26	0.16	0.068
161947	Soil	0.9	3.0	17.6	66	<0.1	4.2	2.1	981	0.69	1.3	0.5	<0.5	1.8	19	<0.1	0.1	0.2	12	0.13	0.069
161948	Soil	0.6	5.3	25.5	55	<0.1	9.1	3.7	645	1.26	3.0	0.8	<0.5	1.0	15	0.2	0.2	0.1	22	0.12	0.083
161949	Soil	0.8	4.2	16.6	73	<0.1	6.0	3.6	3172	1.29	1.9	0.4	21.5	0.6	12	0.2	0.2	0.1	27	0.19	0.066
161950	Soil	0.6	2.7	10.3	22	<0.1	3.0	0.8	276	0.79	<0.5	0.4	<0.5	<0.1	15	<0.1	0.1	0.2	18	0.18	0.032
161951	Soil	1.2	11.3	18.4	81	0.3	10.0	3.0	2095	1.33	16.6	7.3	<0.5	0.4	29	0.7	0.4	0.6	24	0.32	0.074
161952	Soil	0.8	3.0	18.0	43	<0.1	5.1	2.9	418	1.34	1.7	0.6	<0.5	2.1	7	<0.1	0.1	0.2	29	0.08	0.048
161953	Soil	0.9	4.5	17.6	42	<0.1	5.7	1.9	126	1.61	2.0	0.6	<0.5	0.4	5	<0.1	0.2	0.4	33	0.04	0.088
161954	Soil	0.9	3.4	25.9	35	<0.1	6.6	3.2	1532	1.21	1.8	0.7	<0.5	1.0	18	0.2	0.1	0.3	24	0.24	0.049
161955	Soil	1.7	9.2	25.6	61	<0.1	7.3	5.1	6910	1.04	1.6	0.6	<0.5	0.5	33	0.7	0.2	0.3	16	0.38	0.118
161956	Soil	1.0	6.4	27.5	49	<0.1	8.8	3.4	1215	1.33	1.7	0.6	<0.5	1.7	9	0.1	0.1	0.3	20	0.11	0.098
161957	Soil	1.0	3.8	19.3	37	0.1	3.8	1.5	299	1.08	1.2	0.6	0.6	1.7	6	<0.1	0.1	0.3	19	0.06	0.118
161958	Soil	1.3	3.9	15.8	42	0.1	6.2	1.5	259	0.93	1.3	0.7	<0.5	1.5	6	0.1	0.1	0.4	16	0.05	0.100
161959	Soil	0.8	2.9	19.1	21	<0.1	3.7	1.6	165	1.34	0.7	0.4	<0.5	1.3	5	<0.1	0.2	0.3	32	0.04	0.025
161960	Soil	0.8	4.5	12.9	55	<0.1	6.9	2.8	123	1.94	2.1	0.6	<0.5	1.2	6	0.1	0.2	0.2	35	0.06	0.132



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 8 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
161931	Soil	15	13	0.26	256	0.031	<20	1.56	0.013	0.07	<0.1	0.04	1.0	<0.1	<0.05	5	<0.5	<0.2
161932	Soil	8	13	0.11	48	0.054	<20	1.87	0.009	0.04	<0.1	0.04	1.5	0.1	<0.05	7	0.5	<0.2
161933	Soil	9	9	0.05	50	0.037	<20	0.79	0.007	0.05	<0.1	0.02	0.7	0.1	<0.05	5	<0.5	<0.2
161934	Soil	10	8	0.10	78	0.047	<20	0.58	0.008	0.05	<0.1	0.02	0.7	<0.1	<0.05	2	<0.5	<0.2
161935	Soil	10	12	0.10	89	0.038	<20	1.33	0.008	0.05	<0.1	0.04	1.2	0.1	<0.05	3	0.6	<0.2
161936	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161937	Soil	10	9	0.02	27	0.023	<20	0.47	0.006	0.05	<0.1	0.01	0.4	0.2	<0.05	3	<0.5	<0.2
161938	Soil	13	13	0.17	208	0.022	<20	1.45	0.012	0.07	<0.1	0.04	1.1	0.2	<0.05	4	<0.5	<0.2
161939	Soil	11	12	0.07	70	0.032	<20	2.19	0.008	0.05	<0.1	0.09	1.2	0.1	<0.05	6	0.5	<0.2
161940	Soil	7	6	0.02	23	0.039	<20	0.74	0.006	0.02	<0.1	0.02	0.5	0.1	0.06	4	<0.5	<0.2
161941	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161942	Soil	8	6	0.04	39	0.032	<20	0.68	0.004	0.03	<0.1	0.02	0.4	0.1	0.06	4	<0.5	<0.2
161943	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161944	Soil	9	16	0.14	61	0.060	<20	1.26	0.006	0.02	<0.1	0.04	1.5	<0.1	0.05	3	0.6	<0.2
161945	Soil	10	8	0.13	177	0.033	<20	0.97	0.008	0.05	<0.1	0.04	0.8	<0.1	<0.05	3	<0.5	<0.2
161946	Soil	10	2	0.16	143	0.048	<20	1.13	0.008	0.07	<0.1	0.04	0.9	<0.1	<0.05	4	0.6	<0.2
161947	Soil	13	5	0.10	149	0.008	<20	1.15	0.007	0.07	<0.1	0.03	0.6	0.1	<0.05	3	<0.5	<0.2
161948	Soil	11	10	0.14	98	0.023	<20	1.44	0.008	0.05	<0.1	0.04	0.7	0.1	0.05	3	<0.5	<0.2
161949	Soil	7	9	0.10	126	0.020	<20	1.35	0.007	0.05	<0.1	0.07	0.4	0.1	0.06	4	<0.5	<0.2
161950	Soil	8	8	0.03	57	0.021	<20	0.48	0.014	0.04	<0.1	0.04	0.3	<0.1	<0.05	2	<0.5	<0.2
161951	Soil	17	17	0.17	271	0.007	<20	1.63	0.006	0.07	<0.1	0.08	0.8	0.1	<0.05	5	<0.5	<0.2
161952	Soil	10	9	0.12	72	0.025	<20	1.34	0.007	0.04	<0.1	0.04	0.8	0.1	<0.05	4	<0.5	<0.2
161953	Soil	8	10	0.10	47	0.028	<20	1.57	0.004	0.03	<0.1	0.07	0.5	<0.1	<0.05	6	<0.5	<0.2
161954	Soil	11	10	0.13	143	0.016	<20	1.54	0.008	0.06	<0.1	0.08	0.6	0.2	<0.05	4	<0.5	<0.2
161955	Soil	10	8	0.13	435	0.018	<20	1.47	0.008	0.09	<0.1	0.16	0.5	0.2	0.05	3	<0.5	<0.2
161956	Soil	11	10	0.16	107	0.022	<20	1.61	0.009	0.05	0.1	0.09	0.7	0.1	<0.05	5	<0.5	<0.2
161957	Soil	13	8	0.08	63	0.012	<20	2.11	0.010	0.05	<0.1	0.10	0.5	0.1	<0.05	6	<0.5	<0.2
161958	Soil	10	10	0.07	71	0.014	<20	2.19	0.009	0.05	<0.1	0.12	0.6	<0.1	<0.05	5	<0.5	<0.2
161959	Soil	8	12	0.05	46	0.047	<20	0.83	0.007	0.02	<0.1	0.02	0.6	<0.1	<0.05	4	<0.5	<0.2
161960	Soil	6	14	0.14	39	0.042	<20	2.64	0.009	0.03	<0.1	0.06	1.0	<0.1	<0.05	6	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 9 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
161961	Soil	0.5	2.4	19.3	25	0.2	4.0	1.2	62	1.02	1.2	0.5	<0.5	1.6	5	<0.1	0.1	0.3	22	0.04	0.067
161962	Soil	0.8	4.2	18.4	33	0.1	5.3	1.7	85	1.47	2.0	0.5	<0.5	1.6	9	<0.1	0.2	0.2	31	0.05	0.072
161963	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161964	Soil	1.5	3.1	12.0	24	0.2	6.3	1.3	81	0.77	0.8	0.5	<0.5	0.7	7	<0.1	0.2	0.3	18	0.07	0.028
161965	Soil	1.2	4.2	18.4	39	0.7	5.1	1.9	91	1.25	2.1	0.5	0.9	1.7	5	0.2	0.2	0.3	26	0.05	0.051
161966	Soil	1.4	2.1	12.2	13	0.4	3.0	0.7	33	0.42	0.8	0.6	<0.5	0.6	7	0.1	0.1	0.3	12	0.03	0.020
161967	Soil	0.7	4.8	9.9	29	<0.1	5.0	1.7	105	1.23	1.4	0.5	<0.5	0.7	5	<0.1	0.1	0.2	28	0.03	0.045
161968	Soil	0.5	2.2	13.4	14	0.1	2.0	0.6	63	0.47	0.5	0.5	<0.5	0.4	5	<0.1	<0.1	0.3	13	0.03	0.017
161969	Soil	0.6	1.8	6.4	13	<0.1	3.7	0.7	60	0.47	0.6	0.4	<0.5	0.3	3	<0.1	<0.1	0.2	12	0.02	0.015
161970	Soil	1.8	2.8	19.2	17	<0.1	9.4	1.0	76	0.68	0.6	0.6	<0.5	0.3	5	<0.1	0.2	0.3	15	0.02	0.023
161971	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161972	Soil	2.3	2.2	15.0	13	<0.1	19.2	0.7	47	0.36	1.6	0.5	<0.5	0.1	4	<0.1	0.2	0.3	9	0.03	0.016
161973	Soil	2.7	6.9	12.9	40	<0.1	8.3	3.7	301	2.00	3.2	0.6	<0.5	1.4	10	0.1	0.3	0.3	51	0.06	0.033
161974	Soil	1.2	7.2	6.8	29	<0.1	6.7	2.7	76	1.38	0.8	0.4	0.8	0.5	7	<0.1	0.2	0.2	38	0.04	0.027
161975	Soil	2.2	5.1	16.4	33	0.2	6.0	2.7	159	1.51	1.6	0.7	0.5	0.4	17	0.1	0.3	0.2	36	0.11	0.027
161976	Soil	1.3	5.1	6.1	29	<0.1	7.2	2.7	88	1.43	1.6	0.5	17.9	0.3	10	<0.1	0.2	0.2	39	0.04	0.014
161977	Soil	0.9	2.6	7.3	10	<0.1	3.4	0.5	30	0.47	0.6	0.5	<0.5	0.1	6	<0.1	0.1	0.2	13	0.03	0.013
161978	Soil	1.4	1.5	5.6	11	<0.1	3.7	0.6	34	0.56	1.1	0.4	<0.5	1.3	5	<0.1	0.1	0.2	18	0.03	0.006
161979	Soil	0.6	2.6	13.4	25	0.1	3.2	0.9	192	0.75	2.5	0.5	<0.5	1.6	6	0.1	0.1	0.2	15	0.06	0.055
161980	Soil	0.7	2.0	15.1	14	<0.1	4.4	0.8	50	0.83	3.9	0.4	1.1	1.6	5	<0.1	0.2	0.3	20	0.03	0.026
161981	Soil	0.5	1.4	7.6	11	<0.1	3.0	1.1	106	0.88	0.6	0.4	<0.5	1.2	4	<0.1	0.1	0.2	26	0.03	0.010
161982	Soil	0.9	1.7	7.1	14	0.1	4.5	1.0	47	0.79	4.5	0.4	<0.5	1.9	4	<0.1	0.2	0.2	19	0.03	0.014
161983	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161984	Soil	0.7	3.1	16.1	21	0.2	3.7	1.1	58	1.15	5.3	0.5	0.7	2.0	6	<0.1	0.2	0.2	29	0.04	0.040
161985	Soil	0.7	1.8	16.1	14	0.1	3.5	0.9	54	0.91	2.2	0.4	<0.5	1.5	5	<0.1	0.2	0.2	23	0.05	0.028
161986	Soil	0.5	3.0	17.4	23	<0.1	4.4	1.5	67	0.99	2.2	0.5	<0.5	1.2	6	<0.1	0.1	0.2	26	0.04	0.018
161987	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161988	Soil	0.5	1.8	15.1	13	<0.1	5.8	1.1	42	0.35	1.3	0.6	1.8	1.1	12	<0.1	0.1	0.1	8	0.07	0.014
161989	Soil	0.8	2.7	15.7	29	<0.1	4.6	1.4	64	1.62	7.1	0.5	0.9	2.0	4	<0.1	0.1	0.1	29	0.03	0.132
161990	Soil	1.1	3.8	20.8	38	<0.1	4.9	2.7	227	1.57	1.8	0.6	<0.5	0.7	6	<0.1	0.2	0.3	40	0.04	0.029



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 9 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
161961	Soil	8	8	0.06	50	0.036	<20	1.73	0.008	0.02	<0.1	0.07	0.7	<0.1	<0.05	6	<0.5	<0.2
161962	Soil	8	10	0.10	88	0.040	<20	1.88	0.007	0.03	<0.1	0.10	0.7	<0.1	<0.05	6	<0.5	<0.2
161963	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161964	Soil	13	9	0.05	81	0.018	<20	0.75	0.009	0.05	<0.1	0.06	0.3	<0.1	<0.05	3	<0.5	<0.2
161965	Soil	8	10	0.09	60	0.041	<20	1.33	0.003	0.03	<0.1	0.08	0.6	<0.1	<0.05	5	<0.5	<0.2
161966	Soil	11	6	0.02	65	0.018	<20	0.43	0.003	0.04	<0.1	0.04	0.1	<0.1	<0.05	2	<0.5	<0.2
161967	Soil	7	8	0.08	59	0.037	<20	1.06	0.002	0.02	<0.1	0.04	0.5	<0.1	<0.05	5	<0.5	<0.2
161968	Soil	11	6	0.03	42	0.035	<20	0.52	0.004	0.03	<0.1	0.02	0.1	<0.1	<0.05	3	<0.5	<0.2
161969	Soil	14	7	0.02	37	0.015	<20	0.53	0.004	0.03	<0.1	0.01	<0.1	0.1	<0.05	3	<0.5	<0.2
161970	Soil	16	16	0.02	73	0.010	<20	0.75	0.008	0.04	<0.1	0.02	0.2	0.2	<0.05	3	<0.5	<0.2
161971	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161972	Soil	14	33	0.01	45	0.011	<20	0.46	0.007	0.04	<0.1	0.02	0.1	0.1	<0.05	2	<0.5	<0.2
161973	Soil	9	17	0.10	70	0.080	<20	0.66	0.008	0.04	<0.1	0.03	0.8	<0.1	<0.05	6	<0.5	<0.2
161974	Soil	8	15	0.09	58	0.072	<20	0.61	0.009	0.05	<0.1	0.02	0.8	<0.1	<0.05	6	<0.5	<0.2
161975	Soil	11	14	0.09	110	0.045	<20	0.66	0.007	0.05	<0.1	0.04	0.7	<0.1	<0.05	4	<0.5	<0.2
161976	Soil	10	17	0.05	40	0.058	<20	0.59	0.007	0.04	<0.1	<0.01	0.6	<0.1	<0.05	5	<0.5	<0.2
161977	Soil	9	6	0.02	35	0.015	<20	0.45	0.008	0.03	<0.1	0.02	0.2	<0.1	<0.05	3	<0.5	<0.2
161978	Soil	11	9	0.01	26	0.036	<20	0.27	0.007	0.03	<0.1	<0.01	0.3	<0.1	<0.05	2	<0.5	<0.2
161979	Soil	7	5	0.04	54	0.019	<20	0.82	0.017	0.05	<0.1	0.06	0.5	<0.1	<0.05	4	<0.5	<0.2
161980	Soil	9	9	0.03	32	0.047	<20	0.56	0.006	0.02	<0.1	0.01	0.5	0.1	<0.05	4	<0.5	<0.2
161981	Soil	9	12	0.02	18	0.068	<20	0.35	0.008	0.03	<0.1	0.01	0.4	0.1	<0.05	4	<0.5	<0.2
161982	Soil	10	10	0.02	28	0.027	<20	0.59	0.010	0.03	<0.1	0.01	0.4	0.1	<0.05	3	<0.5	<0.2
161983	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161984	Soil	10	9	0.04	33	0.058	<20	0.69	0.007	0.03	<0.1	0.02	0.6	0.1	<0.05	5	<0.5	<0.2
161985	Soil	10	8	0.03	28	0.036	<20	0.64	0.007	0.02	<0.1	0.02	0.5	0.1	<0.05	4	<0.5	<0.2
161986	Soil	9	10	0.06	43	0.064	<20	0.51	0.006	0.03	<0.1	0.01	0.6	<0.1	<0.05	3	<0.5	<0.2
161987	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161988	Soil	12	10	0.06	96	0.013	<20	0.76	0.007	0.04	<0.1	0.02	0.6	0.1	<0.05	3	<0.5	<0.2
161989	Soil	9	10	0.07	60	0.018	<20	2.06	0.007	0.03	<0.1	0.06	1.0	<0.1	<0.05	6	<0.5	<0.2
161990	Soil	10	9	0.11	65	0.042	<20	1.10	0.005	0.04	<0.1	0.04	0.7	0.1	<0.05	5	<0.5	<0.2



CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
161991	Soil	0.7	3.0	21.7	27	<0.1	3.6	1.7	108	1.32	1.3	0.5	1.1	1.0	5	<0.1	0.2	0.3	34	0.03	0.022
161992	Soil	0.8	3.2	18.7	25	0.1	3.3	1.4	74	0.91	0.6	0.5	<0.5	0.5	6	<0.1	0.2	0.3	23	0.03	0.018
161993	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161994	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161995	Soil	0.8	4.4	13.4	29	<0.1	3.7	2.1	93	1.66	1.8	0.5	1.6	1.3	4	0.1	0.2	0.2	29	0.03	0.081
161996	Soil	0.9	8.6	11.3	60	0.2	7.3	4.7	239	2.11	3.3	0.7	0.9	0.6	8	0.2	0.2	0.1	42	0.08	0.086
161997	Soil	0.6	2.5	16.0	27	<0.1	2.1	1.0	51	0.88	1.1	0.5	<0.5	0.6	4	<0.1	<0.1	0.2	24	0.03	0.041
161998	Soil	0.8	6.0	8.9	36	<0.1	5.1	2.6	97	1.64	1.5	0.4	<0.5	1.3	7	<0.1	0.2	0.2	37	0.04	0.063
161999	Soil	0.5	2.1	11.8	26	<0.1	2.3	1.0	182	0.62	0.8	0.5	<0.5	1.4	6	<0.1	0.1	0.3	14	0.05	0.020
162000	Soil	0.6	4.5	12.6	35	<0.1	4.8	2.8	123	1.48	2.7	0.8	<0.5	3.4	5	0.2	0.2	0.2	32	0.05	0.085
162001	Soil	0.7	4.8	13.9	39	0.1	5.8	2.9	84	1.95	6.0	0.6	<0.5	2.9	8	0.1	0.5	0.1	44	0.05	0.029
162002	Soil	1.1	3.3	21.4	51	0.3	3.1	2.7	189	1.84	1.9	0.4	0.9	2.0	6	0.1	0.2	0.2	47	0.03	0.076
162003	Soil	0.8	3.8	9.8	32	0.2	3.6	1.3	63	1.15	4.8	0.5	<0.5	2.6	6	<0.1	0.3	0.2	24	0.03	0.041
162004	Soil	0.5	1.8	6.0	15	0.1	2.3	0.7	32	0.57	1.2	0.4	<0.5	0.6	4	<0.1	0.3	0.1	15	0.02	0.014
162005	Soil	0.8	5.1	16.3	49	0.2	5.2	4.1	150	1.86	5.1	0.9	<0.5	3.3	5	<0.1	0.3	0.2	37	0.04	0.138
162006	Soil	0.7	4.4	15.7	39	0.2	3.9	2.3	138	1.62	2.5	0.5	<0.5	2.0	6	<0.1	0.3	0.2	34	0.05	0.133
162007	Soil	1.5	4.7	14.2	31	0.1	4.4	2.7	270	2.04	12.7	1.0	<0.5	2.5	9	<0.1	0.6	0.4	42	0.03	0.096
162008	Soil	1.7	5.3	18.3	72	<0.1	5.7	4.5	305	1.71	8.0	1.7	<0.5	3.1	11	0.1	0.3	0.3	30	0.05	0.109
162009	Soil	0.9	4.0	11.6	46	0.2	3.6	2.6	290	1.49	3.7	0.7	<0.5	2.5	7	<0.1	0.2	0.2	32	0.03	0.106
162010	Soil	0.4	2.1	5.1	14	<0.1	1.6	0.8	41	0.65	<0.5	0.3	<0.5	1.2	4	<0.1	0.1	0.1	18	0.02	0.010
162011	Soil	0.8	7.5	9.9	51	<0.1	7.7	6.1	266	1.91	3.3	0.6	<0.5	2.7	8	0.2	0.2	0.1	42	0.07	0.108
162012	Soil	1.3	5.2	18.1	81	0.4	4.9	4.8	987	1.38	4.4	0.7	<0.5	2.0	9	0.1	0.2	0.3	26	0.05	0.149
162013	Soil	1.0	5.1	15.2	42	0.4	3.9	2.7	306	1.48	4.8	0.6	<0.5	2.1	8	0.1	0.2	0.2	29	0.03	0.135
162014	Soil	1.1	5.4	16.5	31	<0.1	3.8	2.4	110	1.49	9.1	0.7	0.8	0.9	12	<0.1	0.4	0.2	34	0.05	0.043
162015	Soil	1.0	1.7	17.4	16	<0.1	3.4	0.8	65	0.41	<0.5	0.3	<0.5	0.7	7	0.1	0.1	0.2	13	0.04	0.016
162016	Soil	1.4	4.7	10.1	31	0.2	3.3	1.9	67	1.13	13.0	0.5	<0.5	1.5	24	<0.1	0.4	0.2	24	0.05	0.023
162017	Soil	1.5	6.7	21.2	70	0.7	5.1	3.3	263	2.47	11.4	1.0	<0.5	4.0	16	0.1	0.3	0.3	45	0.05	0.324
162018	Soil	0.8	5.4	21.1	23	0.2	4.3	2.2	246	0.92	6.4	1.6	<0.5	0.5	36	0.1	0.2	0.2	20	0.30	0.030
162019	Soil	0.7	3.8	12.2	39	0.2	3.3	1.8	64	1.36	2.8	0.6	<0.5	3.1	4	<0.1	0.2	0.2	29	0.04	0.115
162020	Soil	0.8	3.7	12.5	44	0.2	4.7	2.1	153	1.28	3.1	0.5	0.6	1.9	5	0.1	<0.1	0.2	28	0.04	0.066



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 10 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
161991	Soil	10	10	0.08	45	0.048	<20	0.86	0.006	0.03	<0.1	0.03	0.6	<0.1	<0.05	4	<0.5	<0.2
161992	Soil	11	11	0.04	54	0.041	<20	0.57	0.007	0.04	<0.1	0.02	0.5	0.1	<0.05	3	<0.5	<0.2
161993	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161994	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
161995	Soil	8	11	0.10	42	0.028	<20	1.78	0.006	0.03	<0.1	0.07	0.8	<0.1	<0.05	5	0.5	<0.2
161996	Soil	7	17	0.21	53	0.051	<20	2.07	0.007	0.03	0.1	0.07	1.3	<0.1	<0.05	5	0.7	<0.2
161997	Soil	8	9	0.05	38	0.028	<20	1.40	0.005	0.02	<0.1	0.04	0.6	<0.1	<0.05	4	<0.5	<0.2
161998	Soil	7	12	0.10	62	0.048	<20	1.33	0.006	0.03	<0.1	0.06	0.9	<0.1	<0.05	6	0.6	<0.2
161999	Soil	13	5	0.05	106	0.017	<20	0.70	0.008	0.05	<0.1	0.03	0.4	<0.1	<0.05	3	<0.5	<0.2
162000	Soil	10	13	0.12	57	0.042	<20	2.16	0.008	0.04	0.1	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
162001	Soil	6	16	0.13	48	0.052	<20	2.05	0.007	0.02	<0.1	0.06	1.4	<0.1	<0.05	4	0.5	<0.2
162002	Soil	7	21	0.05	37	0.231	<20	1.16	0.007	0.02	<0.1	0.02	0.4	<0.1	<0.05	8	<0.5	<0.2
162003	Soil	12	11	0.06	56	0.008	<20	1.11	0.006	0.03	<0.1	0.04	0.7	0.1	<0.05	5	<0.5	<0.2
162004	Soil	12	8	0.02	31	0.017	<20	0.57	0.005	0.03	<0.1	<0.01	0.2	0.1	<0.05	3	<0.5	<0.2
162005	Soil	6	14	0.12	46	0.035	<20	2.16	0.006	0.03	0.1	0.07	1.3	<0.1	<0.05	4	0.5	0.3
162006	Soil	8	11	0.08	42	0.034	<20	1.38	0.011	0.03	<0.1	0.05	0.8	<0.1	<0.05	7	<0.5	<0.2
162007	Soil	7	12	0.09	32	0.037	<20	1.48	0.006	0.03	<0.1	0.03	1.0	<0.1	<0.05	8	<0.5	<0.2
162008	Soil	7	12	0.14	58	0.029	<20	2.44	0.006	0.03	<0.1	0.04	1.4	0.1	<0.05	5	0.6	<0.2
162009	Soil	8	11	0.10	43	0.024	<20	2.11	0.006	0.03	<0.1	0.04	1.1	0.1	<0.05	6	0.6	<0.2
162010	Soil	11	7	0.02	29	0.017	<20	0.55	0.006	0.02	<0.1	0.02	0.3	0.1	<0.05	3	<0.5	<0.2
162011	Soil	7	16	0.20	50	0.074	<20	1.98	0.008	0.03	<0.1	0.04	2.0	<0.1	<0.05	4	0.5	<0.2
162012	Soil	9	11	0.11	87	0.016	<20	2.04	0.008	0.05	<0.1	0.07	1.0	0.2	<0.05	5	<0.5	<0.2
162013	Soil	9	13	0.06	38	0.012	<20	1.69	0.006	0.03	<0.1	0.04	0.8	0.2	<0.05	6	0.7	<0.2
162014	Soil	7	10	0.12	48	0.028	<20	0.81	0.010	0.03	<0.1	0.03	0.8	<0.1	<0.05	4	<0.5	<0.2
162015	Soil	8	8	0.03	28	0.038	<20	0.39	0.009	0.03	<0.1	0.02	0.3	<0.1	<0.05	3	<0.5	<0.2
162016	Soil	10	8	0.08	102	0.014	<20	0.77	0.006	0.05	<0.1	0.02	0.6	0.2	<0.05	4	<0.5	<0.2
162017	Soil	10	16	0.12	72	0.017	<20	3.27	0.007	0.04	<0.1	0.05	1.5	0.2	<0.05	9	<0.5	<0.2
162018	Soil	16	18	0.13	129	0.031	<20	0.81	0.010	0.05	<0.1	0.04	1.3	<0.1	<0.05	2	0.6	<0.2
162019	Soil	8	10	0.07	56	0.015	<20	2.20	0.006	0.03	<0.1	0.08	1.0	0.1	<0.05	3	1.0	<0.2
162020	Soil	8	9	0.08	48	0.030	<20	1.49	0.003	0.02	<0.1	0.05	0.7	<0.1	<0.05	4	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 11 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
162021	Soil	1.1	3.5	11.4	31	0.2	2.7	1.2	129	1.28	5.8	0.4	<0.5	1.5	4	<0.1	0.1	0.2	31	0.02	0.046
162022	Soil	0.5	2.7	10.5	27	0.2	1.9	1.1	85	0.82	1.6	0.5	<0.5	2.2	4	0.1	<0.1	0.2	19	0.03	0.059
162023	Soil	0.4	1.7	7.0	28	0.2	1.7	0.6	105	0.44	1.3	0.3	<0.5	1.8	3	<0.1	<0.1	0.1	9	0.02	0.040
162024	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162025	Soil	1.8	6.0	7.6	34	0.1	6.5	3.4	114	1.89	3.9	0.3	0.9	0.8	9	0.2	0.2	0.1	64	0.06	0.017
162026	Soil	0.8	3.1	10.7	25	<0.1	4.4	1.8	73	1.26	4.3	0.4	<0.5	0.5	8	0.1	0.2	0.1	49	0.07	0.023
162027	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162028	Soil	0.7	2.9	17.6	16	0.4	3.2	1.5	586	0.52	1.0	0.6	0.9	0.2	12	0.1	0.1	0.2	17	0.10	0.025
162029	Soil	1.1	3.5	8.9	20	<0.1	6.8	1.4	91	1.03	0.7	0.6	<0.5	0.3	7	<0.1	0.2	0.2	34	0.06	0.023
162030	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162031	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162032	Soil	0.9	4.2	9.3	40	0.2	7.0	2.4	143	1.69	2.3	0.5	<0.5	1.1	8	<0.1	0.2	0.2	42	0.08	0.086
162033	Soil	1.0	4.0	7.8	27	0.1	6.4	2.4	84	2.15	2.9	0.5	0.6	2.1	8	<0.1	0.3	0.2	54	0.06	0.064
162034	Soil	0.8	7.0	11.2	44	0.2	10.6	3.5	116	2.34	5.0	0.7	0.7	3.1	7	<0.1	0.2	0.2	50	0.06	0.172
162035	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162036	Soil	1.5	6.7	10.1	91	<0.1	6.1	2.4	92	1.40	12.8	0.8	1.0	0.4	26	0.1	0.4	0.2	27	0.10	0.085
162037	Soil	1.4	7.6	21.1	65	<0.1	7.3	5.2	907	1.72	17.5	0.8	1.1	0.4	35	<0.1	0.5	0.3	35	0.15	0.088
162038	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162039	Soil	1.0	2.7	11.0	26	<0.1	4.5	1.3	186	0.72	1.1	0.6	0.9	0.8	14	<0.1	0.1	0.3	24	0.07	0.019
162040	Soil	1.4	2.6	11.7	23	0.1	2.4	2.0	614	0.65	2.1	0.5	1.2	<0.1	21	0.3	0.1	0.3	20	0.13	0.027
162041	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162042	Soil	1.1	3.3	18.5	62	0.1	3.2	2.7	2147	0.96	0.8	0.5	<0.5	0.4	10	0.2	<0.1	0.3	22	0.07	0.033
162043	Soil	0.7	4.3	20.1	61	0.2	5.1	2.8	212	1.71	2.7	0.6	<0.5	2.4	8	0.2	0.2	0.3	31	0.08	0.163
162044	Soil	0.7	4.8	21.3	90	0.2	5.9	4.1	209	1.69	1.7	0.5	0.7	1.9	8	0.2	0.1	0.2	31	0.07	0.168
162045	Soil	0.8	3.9	14.8	83	0.1	6.0	3.2	224	1.58	2.6	0.5	1.3	1.6	9	0.2	0.1	0.1	34	0.07	0.146
162046	Soil	0.8	6.6	20.2	62	0.4	5.7	3.1	540	2.01	3.4	0.8	<0.5	1.9	7	0.2	0.2	0.2	37	0.07	0.173
162047	Soil	0.8	7.5	17.7	58	0.1	9.2	5.6	410	2.15	3.6	0.8	<0.5	3.1	10	0.2	0.3	0.2	49	0.10	0.126
162048	Soil	0.8	3.4	25.8	57	0.2	4.4	2.1	199	1.57	3.1	0.7	0.6	2.1	6	0.2	0.2	0.2	31	0.05	0.101
162049	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162050	Soil	2.3	3.7	8.2	23	0.1	3.2	1.0	43	0.70	3.8	0.3	0.8	0.2	11	0.1	0.1	0.1	20	0.07	0.021



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 11 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
162021	Soil	8	9	0.04	40	0.015	<20	1.21	0.002	0.02	<0.1	0.03	0.5	0.1	<0.05	4	<0.5	<0.2
162022	Soil	10	6	0.05	50	0.017	<20	1.05	0.002	0.03	<0.1	0.03	0.4	0.1	<0.05	4	<0.5	<0.2
162023	Soil	8	4	0.02	46	0.007	<20	0.95	<0.001	0.02	<0.1	0.03	0.2	0.1	<0.05	3	<0.5	<0.2
162024	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162025	Soil	5	12	0.15	35	0.100	<20	0.82	0.004	0.02	<0.1	0.02	1.0	<0.1	<0.05	5	<0.5	<0.2
162026	Soil	5	12	0.09	41	0.077	<20	0.55	0.004	0.02	<0.1	0.03	0.6	<0.1	<0.05	5	<0.5	<0.2
162027	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162028	Soil	7	6	0.03	49	0.034	<20	0.71	0.008	0.02	<0.1	0.05	0.5	<0.1	0.07	6	<0.5	<0.2
162029	Soil	8	20	0.04	30	0.043	<20	0.52	0.011	0.03	<0.1	0.02	0.6	0.1	<0.05	6	<0.5	<0.2
162030	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162031	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162032	Soil	8	17	0.07	47	0.034	<20	0.95	0.009	0.03	<0.1	0.04	1.1	<0.1	0.09	5	<0.5	<0.2
162033	Soil	7	19	0.08	40	0.077	<20	1.12	0.008	0.04	<0.1	0.03	1.0	<0.1	<0.05	7	<0.5	<0.2
162034	Soil	7	17	0.13	51	0.036	<20	2.06	0.007	0.05	<0.1	0.06	1.6	<0.1	0.08	7	<0.5	<0.2
162035	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162036	Soil	9	12	0.09	99	0.006	<20	1.23	0.007	0.05	<0.1	0.05	0.6	0.2	<0.05	5	<0.5	<0.2
162037	Soil	10	15	0.14	126	0.019	<20	1.03	0.007	0.07	<0.1	0.06	0.9	0.1	<0.05	5	<0.5	<0.2
162038	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162039	Soil	10	11	0.07	45	0.045	<20	0.70	0.007	0.04	<0.1	0.02	0.7	0.1	<0.05	5	<0.5	<0.2
162040	Soil	9	8	0.05	44	0.023	<20	0.73	0.006	0.04	<0.1	0.05	0.4	0.1	<0.05	6	<0.5	<0.2
162041	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162042	Soil	10	10	0.06	88	0.040	<20	0.84	0.006	0.04	<0.1	0.04	0.6	0.2	0.08	4	<0.5	<0.2
162043	Soil	9	9	0.11	55	0.043	<20	1.98	0.006	0.04	<0.1	0.08	1.4	0.1	<0.05	6	<0.5	<0.2
162044	Soil	8	12	0.14	88	0.047	<20	2.24	0.010	0.04	<0.1	0.08	1.3	<0.1	<0.05	8	<0.5	<0.2
162045	Soil	7	11	0.12	64	0.042	<20	1.64	0.011	0.03	<0.1	0.05	1.1	<0.1	<0.05	5	<0.5	<0.2
162046	Soil	8	15	0.11	45	0.045	<20	2.45	0.008	0.04	<0.1	0.06	1.3	<0.1	<0.05	6	<0.5	<0.2
162047	Soil	9	18	0.19	82	0.075	<20	1.94	0.008	0.05	<0.1	0.04	1.9	<0.1	<0.05	5	<0.5	<0.2
162048	Soil	9	10	0.08	79	0.020	<20	2.64	0.007	0.03	<0.1	0.07	0.9	0.1	<0.05	6	<0.5	<0.2
162049	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162050	Soil	8	5	0.04	69	0.011	<20	0.66	0.006	0.04	<0.1	0.02	0.5	0.2	<0.05	3	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water

Report Date: December 02, 2010

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

SMI10000792.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																							
161781	Soil			0.8	2.9	5.8	19	<0.1	2.8	1.9	79	0.92	1.1	0.6	<0.5	0.7	5	0.1	0.2	0.2	28	0.04	0.014
REP 161781	QC			0.8	3.1	5.8	20	<0.1	2.9	1.8	77	0.91	1.1	0.6	<0.5	0.6	6	<0.1	0.2	0.2	27	0.04	0.015
161809	Soil			1.7	5.6	21.0	46	0.1	7.3	3.8	998	1.25	3.0	2.9	0.6	0.3	21	0.3	0.3	0.3	27	0.35	0.034
REP 161809	QC			1.9	5.8	20.1	48	0.1	7.6	3.8	967	1.27	3.3	2.7	1.4	0.3	20	0.2	0.3	0.2	28	0.34	0.034
161855	Soil			0.3	2.8	7.9	16	<0.1	2.6	1.7	193	0.78	2.9	0.5	<0.5	1.9	8	<0.1	0.2	0.1	17	0.09	0.038
REP 161855	QC			0.4	2.7	8.7	16	<0.1	3.1	1.9	193	0.83	2.8	0.5	<0.5	2.0	8	<0.1	0.2	0.1	18	0.10	0.040
161906	Soil			1.1	0.8	24.9	46	<0.1	2.3	0.6	495	0.27	<0.5	0.5	<0.5	2.5	16	0.1	<0.1	0.2	6	0.16	0.018
REP 161906	QC			1.1	0.9	25.1	44	<0.1	2.6	0.6	481	0.27	<0.5	0.5	<0.5	2.5	17	0.1	<0.1	0.2	6	0.16	0.018
161940	Soil			0.6	1.7	9.7	13	<0.1	1.4	0.7	45	1.02	6.8	0.4	<0.5	1.1	4	<0.1	0.2	0.1	29	0.03	0.054
REP 161940	QC			0.7	1.7	10.2	14	<0.1	1.2	0.8	46	1.05	7.0	0.4	0.6	1.2	4	<0.1	0.2	0.2	29	0.03	0.053
161965	Soil			1.2	4.2	18.4	39	0.7	5.1	1.9	91	1.25	2.1	0.5	0.9	1.7	5	0.2	0.2	0.3	26	0.05	0.051
REP 161965	QC			1.2	3.8	17.7	37	0.7	4.9	1.9	89	1.27	2.0	0.5	1.1	1.6	6	0.2	0.2	0.3	26	0.04	0.054
161980	Soil			0.7	2.0	15.1	14	<0.1	4.4	0.8	50	0.83	3.9	0.4	1.1	1.6	5	<0.1	0.2	0.3	20	0.03	0.026
REP 161980	QC			0.7	1.9	14.9	15	<0.1	4.6	0.8	51	0.85	3.9	0.4	<0.5	1.6	5	<0.1	0.2	0.3	21	0.03	0.025
162007	Soil			1.5	4.7	14.2	31	0.1	4.4	2.7	270	2.04	12.7	1.0	<0.5	2.5	9	<0.1	0.6	0.4	42	0.03	0.096
REP 162007	QC			1.4	4.6	13.5	31	0.1	4.0	2.8	263	2.09	12.6	1.1	0.6	2.6	9	<0.1	0.5	0.4	44	0.04	0.092
162044	Soil			0.7	4.8	21.3	90	0.2	5.9	4.1	209	1.69	1.7	0.5	0.7	1.9	8	0.2	0.1	0.2	31	0.07	0.168
REP 162044	QC			0.7	4.8	21.0	96	0.2	6.0	4.0	211	1.75	1.7	0.4	<0.5	1.9	9	0.2	0.2	0.2	32	0.08	0.170
Reference Materials																							
STD DS7	Standard			19.9	104.0	66.2	365	0.9	55.9	9.7	576	2.21	49.2	4.6	75.2	3.9	60	6.1	5.2	4.5	79	0.85	0.076
STD DS7	Standard			18.1	103.8	65.8	385	0.9	52.1	8.7	572	2.26	49.7	4.5	61.5	3.8	60	6.4	5.4	4.5	73	0.85	0.078
STD DS7	Standard			19.5	97.6	64.3	377	0.9	53.7	9.1	602	2.30	50.7	4.5	63.5	4.2	72	6.2	4.9	4.7	80	0.91	0.079
STD DS7	Standard			20.3	103.1	64.5	385	1.1	54.2	9.1	590	2.24	47.4	4.1	62.7	4.1	61	6.1	5.2	4.2	77	0.85	0.076
STD DS7	Standard			22.7	115.2	81.0	413	1.0	62.3	9.7	634	2.40	53.7	5.2	79.0	4.6	70	6.6	6.1	5.3	86	0.91	0.078
STD DS7	Standard			21.8	110.0	79.0	394	0.9	56.4	9.7	599	2.29	49.1	5.2	78.9	4.7	67	5.3	5.5	4.7	83	0.86	0.075
STD DS7	Standard			22.5	106.6	58.9	423	1.2	59.9	9.8	661	2.50	53.9	4.2	68.8	4.1	75	6.5	5.0	4.1	84	0.99	0.079
STD DS7	Standard			19.9	107.5	66.7	384	0.9	57.0	8.9	590	2.26	50.4	4.6	52.1	4.5	67	5.8	4.7	4.4	80	0.82	0.073
STD DS7	Standard			20.3	109.8	59.1	408	0.9	54.8	8.9	600	2.27	52.1	4.6	61.0	3.8	65	6.5	4.5	3.8	79	0.92	0.078



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 02, 2010

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

SMI10000792.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
161781	Soil	11	14	0.03	39	0.055	<20	0.38	0.005	0.04	<0.1	0.02	0.5	<0.1	<0.05	3	<0.5	<0.2
REP 161781	QC	11	13	0.03	40	0.052	<20	0.40	0.007	0.04	<0.1	0.02	0.5	<0.1	<0.05	3	<0.5	<0.2
161809	Soil	18	14	0.15	179	0.011	<20	0.98	0.008	0.06	<0.1	0.05	1.0	<0.1	<0.05	4	<0.5	<0.2
REP 161809	QC	17	15	0.15	176	0.012	<20	1.01	0.008	0.06	<0.1	0.05	1.0	<0.1	0.06	4	<0.5	<0.2
161855	Soil	11	7	0.07	68	0.027	<20	0.44	0.011	0.04	<0.1	0.03	0.4	<0.1	<0.05	2	<0.5	<0.2
REP 161855	QC	11	7	0.07	67	0.027	<20	0.47	0.005	0.04	0.1	0.03	0.6	<0.1	<0.05	2	<0.5	<0.2
161906	Soil	22	5	0.03	88	0.010	<20	0.51	0.007	0.11	<0.1	0.02	0.4	0.2	<0.05	1	<0.5	<0.2
REP 161906	QC	22	5	0.03	88	0.005	<20	0.52	0.005	0.11	<0.1	0.02	0.5	0.2	<0.05	1	0.6	<0.2
161940	Soil	7	6	0.02	23	0.039	<20	0.74	0.006	0.02	<0.1	0.02	0.5	0.1	0.06	4	<0.5	<0.2
REP 161940	QC	8	7	0.02	24	0.040	<20	0.77	0.006	0.02	<0.1	0.02	0.5	<0.1	0.09	4	<0.5	<0.2
161965	Soil	8	10	0.09	60	0.041	<20	1.33	0.003	0.03	<0.1	0.08	0.6	<0.1	<0.05	5	<0.5	<0.2
REP 161965	QC	7	10	0.09	62	0.043	<20	1.35	0.003	0.03	<0.1	0.08	0.6	<0.1	<0.05	5	<0.5	<0.2
161980	Soil	9	9	0.03	32	0.047	<20	0.56	0.006	0.02	<0.1	0.01	0.5	0.1	<0.05	4	<0.5	<0.2
REP 161980	QC	9	9	0.03	33	0.046	<20	0.52	0.007	0.03	<0.1	0.02	0.5	0.1	<0.05	4	<0.5	<0.2
162007	Soil	7	12	0.09	32	0.037	<20	1.48	0.006	0.03	<0.1	0.03	1.0	<0.1	<0.05	8	<0.5	<0.2
REP 162007	QC	7	13	0.09	31	0.037	<20	1.41	0.006	0.03	<0.1	0.04	1.2	0.1	<0.05	8	0.6	<0.2
162044	Soil	8	12	0.14	88	0.047	<20	2.24	0.010	0.04	<0.1	0.08	1.3	<0.1	<0.05	8	<0.5	<0.2
REP 162044	QC	8	13	0.15	85	0.053	<20	2.29	0.008	0.04	<0.1	0.09	1.5	<0.1	0.09	8	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	11	189	0.98	385	0.101	39	0.96	0.091	0.47	3.2	0.22	2.5	3.9	0.18	5	3.1	0.6
STD DS7	Standard	11	173	0.96	397	0.097	34	0.90	0.083	0.44	3.5	0.24	2.1	3.9	0.21	4	3.1	1.1
STD DS7	Standard	12	198	1.03	385	0.110	39	1.02	0.099	0.46	3.2	0.20	2.3	4.2	0.22	5	3.5	1.2
STD DS7	Standard	11	178	0.99	388	0.109	38	0.83	0.087	0.44	3.5	0.20	2.1	4.1	0.25	5	3.3	1.8
STD DS7	Standard	11	201	1.08	394	0.119	35	0.99	0.097	0.47	3.6	0.24	2.2	4.2	0.24	5	3.8	1.0
STD DS7	Standard	11	187	1.01	384	0.116	35	0.94	0.088	0.45	3.3	0.21	2.2	3.9	0.23	5	3.5	1.6
STD DS7	Standard	13	209	1.10	413	0.118	33	1.11	0.108	0.52	3.2	0.21	2.4	4.2	0.20	5	3.8	1.1
STD DS7	Standard	11	185	0.97	378	0.110	30	0.88	0.086	0.44	3.3	0.20	2.2	3.8	0.22	4	3.5	1.6
STD DS7	Standard	12	180	0.99	405	0.107	36	1.01	0.097	0.46	3.6	0.21	2.4	4.4	0.22	5	3.3	1.6



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: UTM Exploration Services Ltd.
Box 3992
Smithers BC V0J 2N0 Canada

Project: West Black Water

Report Date: December 02, 2010

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

SMI10000792.1

		1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
STD DS7	Standard	22.0	112.6	71.9	407	0.9	51.0	8.6	600	2.25	50.8	5.4	64.1	4.7	71	6.2	4.3	5.2	83	0.85	0.072
STD DS8	Standard	13.1	105.7	110.6	326	1.8	38.6	7.7	619	2.49	28.1	2.4	97.7	6.1	62	2.5	4.9	5.9	40	0.71	0.084
STD DS8	Standard	12.2	110.4	123.2	304	1.7	37.8	7.3	593	2.37	25.3	2.6	85.3	6.5	63	2.5	4.8	6.4	41	0.63	0.079
STD DS8	Standard	13.2	114.4	118.3	320	1.9	41.2	7.4	618	2.48	26.9	2.5	98.3	6.0	66	2.4	5.1	5.6	42	0.67	0.081
STD DS8	Standard	11.3	117.3	136.0	325	1.6	37.9	7.3	633	2.46	27.4	2.6	126.5	6.5	63	2.5	4.8	7.4	43	0.69	0.082
STD OREAS45PA	Standard	0.9	572.5	16.9	113	0.3	275.0	104.1	1050	15.41	4.8	1.1	45.1	6.2	12	<0.1	0.2	0.2	213	0.23	0.034
STD OREAS45PA	Standard	1.0	566.6	17.8	111	0.3	247.4	98.5	1011	15.35	4.9	1.0	48.9	5.9	12	<0.1	0.2	0.2	187	0.22	0.033
STD OREAS45PA	Standard	0.9	576.2	17.3	112	0.3	263.8	101.5	1022	15.90	4.9	1.1	47.9	5.9	13	<0.1	0.2	0.2	210	0.23	0.035
STD OREAS45PA	Standard	1.1	583.8	15.7	116	0.3	278.9	103.7	1042	16.78	4.8	1.0	43.3	5.8	12	<0.1	0.2	0.2	193	0.23	0.035
STD OREAS45PA	Standard	1.0	531.2	17.4	109	0.3	252.2	95.9	982	14.73	4.4	1.0	39.9	6.3	13	<0.1	0.3	0.2	190	0.22	0.031
STD OREAS45PA	Standard	0.9	561.4	15.6	112	0.3	269.7	100.1	1040	16.12	4.7	1.1	51.7	5.7	12	<0.1	0.2	0.2	197	0.22	0.033
STD OREAS45PA Expected		0.9	600	19	119	0.3	281	104	1130	16.559	4.2	1.2	43	6	14	0.09	0.13	0.18	221	0.2411	0.034
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	50	4.9	70	4.4	72	6.4	4.6	4.5	84	0.93	0.08
STD DS8 Expected		12.87	113	126	313	1.71	40.6	7.9	622	2.54	27.73	2.89	99	7.91	70.74	2.35	4.89	6.67	41	0.76	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water

Report Date: December 02, 2010

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

SMI10000792.1

		1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Sc ppm	1DX Ti ppm	1DX S %	1DX Ga ppm	1DX Se ppm	1DX Te ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS7	Standard	11	172	1.00	393	0.112	23	0.97	0.089	0.44	3.5	0.22	2.1	4.5	0.22	5	2.9	1.2
STD DS8	Standard	15	113	0.62	295	0.109	<20	0.93	0.101	0.43	2.7	0.18	1.9	5.5	0.17	5	4.2	6.2
STD DS8	Standard	12	112	0.58	281	0.108	<20	0.85	0.079	0.39	3.3	0.18	2.0	5.3	0.16	4	6.0	3.1
STD DS8	Standard	14	120	0.62	335	0.111	<20	1.03	0.118	0.47	2.8	0.19	3.0	5.9	0.15	5	5.9	5.8
STD DS8	Standard	12	117	0.64	288	0.110	<20	0.91	0.085	0.42	3.1	0.18	1.8	5.7	0.20	5	4.4	4.4
STD OREAS45PA	Standard	15	803	0.11	175	0.118	<20	3.32	0.012	0.07	<0.1	0.03	38.0	<0.1	<0.05	16	0.6	<0.2
STD OREAS45PA	Standard	15	699	0.09	170	0.103	<20	2.72	0.010	0.07	<0.1	0.05	36.3	<0.1	<0.05	15	0.5	<0.2
STD OREAS45PA	Standard	14	779	0.10	177	0.119	<20	3.12	0.011	0.07	<0.1	0.03	37.1	<0.1	<0.05	17	0.9	<0.2
STD OREAS45PA	Standard	16	795	0.11	181	0.119	<20	3.42	0.013	0.08	<0.1	0.02	40.6	<0.1	<0.05	17	<0.5	<0.2
STD OREAS45PA	Standard	15	687	0.10	173	0.119	<20	2.95	0.011	0.07	<0.1	0.02	37.7	<0.1	<0.05	15	0.8	<0.2
STD OREAS45PA	Standard	16	804	0.10	180	0.126	<20	3.18	0.011	0.07	<0.1	0.03	40.3	<0.1	<0.05	16	1.0	<0.2
STD OREAS45PA Expected		16.2	873	0.095	187	0.124		3.34	0.011	0.0665	0.011	0.03	43	0.07	0.03	16.8	0.54	
STD DS7 Expected		13	192	1.05	410	0.124	39	1.0195	0.089	0.44	3.4	0.21	2.5	4.2	0.19	5	3.5	1.18
STD DS8 Expected		17.2	117.9	0.62	279	0.13	12	0.96	0.09	0.4	3.18	0.192	2.77	5.58	0.17	5	5.9	5.15
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: UTM Exploration Services Ltd.

Box 3992
Smithers BC V0J 2N0 Canada

Submitted By: Kyler Hardy

Receiving Lab: Canada-Smithers

Received: November 02, 2010

Report Date: December 01, 2010

Page: 1 of 11

CERTIFICATE OF ANALYSIS

SMI10000792A.1

CLIENT JOB INFORMATION

Project: West Black Water
Shipment ID:
P.O. Number: Blw-01
Number of Samples: 300

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

Invoice To: UTM Exploration Services Ltd.
Box 3992
Smithers BC V0J 2N0
Canada

CC: Mike England
Bob Weicker

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	267	Dry at 60C sieve 100g to -80 mesh			SMI
Dry at 60C	267	Dry at 60C			SMI
RJSV	267	Saving all or part of Soil Reject			SMI
1DX1	267	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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. ** 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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 2 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
162051	Soil	0.6	4.7	12.0	43	0.2	5.9	3.0	99	1.77	3.4	0.8	0.7	2.9	7	0.2	0.2	0.1	34	0.05	0.124
162052	Soil	1.0	4.7	18.6	37	0.4	4.9	2.2	92	2.56	11.5	0.6	1.8	2.8	6	0.1	0.6	0.3	51	0.05	0.150
162053	Soil	0.4	3.5	14.9	27	<0.1	4.9	1.9	120	0.89	2.3	0.5	0.5	0.7	22	0.1	0.2	0.2	25	0.17	0.020
162054	Soil	1.1	9.1	20.6	46	0.6	7.5	2.7	277	2.57	7.4	0.9	0.8	3.3	5	0.3	0.4	0.2	38	0.04	0.318
162055	Soil	0.2	1.7	12.2	10	0.1	2.6	0.7	35	0.59	1.5	0.4	<0.5	1.3	5	<0.1	0.2	0.2	14	0.03	0.021
162056	Soil	0.4	1.8	12.3	22	<0.1	2.5	1.2	54	0.80	1.6	0.4	0.7	0.2	12	<0.1	0.1	0.1	25	0.07	0.024
162057	Soil	1.1	5.0	17.1	44	0.1	6.0	2.5	207	3.66	12.6	0.6	1.4	0.9	8	0.2	0.6	0.2	81	0.05	0.112
162058	Soil	1.1	8.6	22.4	50	0.3	9.5	4.4	312	2.51	14.5	0.9	0.7	2.1	11	0.2	1.7	0.3	45	0.06	0.175
162059	Soil	1.2	6.1	17.0	51	0.2	8.1	2.7	109	1.73	8.0	0.8	0.5	2.3	9	0.1	0.4	0.2	39	0.04	0.075
162060	Soil	1.3	6.4	19.5	38	0.2	7.7	3.8	115	2.03	10.3	0.8	1.0	2.4	12	<0.1	0.5	0.2	40	0.06	0.047
162061	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162062	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162063	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162064	Soil	1.3	6.6	17.6	58	0.4	6.7	4.4	258	2.54	12.1	0.6	<0.5	2.5	10	0.1	0.3	0.3	51	0.07	0.232
162065	Soil	3.5	8.2	29.4	63	0.3	9.6	3.9	177	2.89	40.2	1.2	0.6	1.4	33	0.2	0.7	0.5	42	0.12	0.209
162066	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162067	Soil	0.9	7.7	16.7	45	<0.1	7.8	4.5	359	1.76	15.8	0.9	<0.5	2.9	24	0.1	0.4	0.2	34	0.10	0.089
162068	Soil	1.4	5.8	16.4	89	0.3	6.5	4.3	776	2.52	9.1	1.0	0.9	2.6	11	0.2	0.3	0.3	50	0.07	0.222
162069	Soil	0.8	4.6	8.1	37	<0.1	4.5	1.7	86	1.22	3.3	0.6	0.8	1.2	15	0.1	0.3	0.3	32	0.07	0.026
162070	Soil	1.3	5.2	13.2	60	0.1	9.3	2.1	492	0.97	3.3	0.4	1.7	1.9	14	0.1	0.2	0.2	25	0.09	0.046
162071	Soil	1.7	2.8	10.7	21	0.1	7.7	2.3	1362	0.85	3.2	0.5	1.0	1.0	24	0.2	0.2	0.1	21	0.21	0.015
162072	Soil	0.7	3.4	12.5	71	0.3	6.3	1.7	248	1.18	2.8	0.5	1.1	2.4	6	0.1	<0.1	0.2	25	0.04	0.100
162073	Soil	0.9	3.7	13.6	47	0.3	4.6	2.0	213	1.20	4.0	0.4	<0.5	1.6	6	<0.1	0.1	0.2	27	0.05	0.068
162074	Soil	1.5	9.2	14.7	67	0.2	11.0	4.4	580	1.84	12.0	0.5	<0.5	2.4	7	<0.1	0.3	0.1	37	0.06	0.055
162075	Soil	0.7	4.5	11.5	42	<0.1	3.2	2.4	111	1.73	2.9	0.9	0.7	3.2	7	<0.1	0.2	0.2	36	0.05	0.097
162076	Soil	2.2	5.8	16.1	69	0.1	6.0	3.1	161	2.15	18.0	0.6	<0.5	2.4	8	<0.1	0.4	0.2	52	0.06	0.061
162077	Soil	1.1	3.4	30.6	32	0.2	3.3	1.3	77	2.05	19.7	0.5	<0.5	2.5	6	<0.1	0.6	0.4	44	0.04	0.095
162078	Soil	3.4	9.6	31.8	260	0.2	7.3	4.1	1233	1.62	165.5	24.7	0.6	1.2	72	0.8	1.1	0.4	31	0.65	0.037
162079	Soil	1.1	2.1	19.7	30	0.2	3.5	1.2	94	0.75	12.7	1.0	1.2	1.2	26	0.1	0.3	0.4	21	0.24	0.015
162080	Soil	0.6	1.0	10.1	9	<0.1	2.0	0.3	24	0.14	1.5	0.4	<0.5	0.5	12	0.1	0.1	0.3	5	0.08	0.014



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 2 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
162051	Soil	6	13	0.11	42	0.057	<20	1.76	0.007	0.03	<0.1	0.07	1.3	<0.1	<0.05	4	<0.5	<0.2
162052	Soil	8	13	0.09	40	0.041	<20	1.52	0.005	0.03	<0.1	0.06	1.0	0.1	<0.05	8	<0.5	<0.2
162053	Soil	7	9	0.12	53	0.080	<20	0.70	0.006	0.03	<0.1	0.03	0.7	<0.1	<0.05	4	<0.5	<0.2
162054	Soil	7	22	0.07	38	0.019	<20	4.29	0.006	0.03	<0.1	0.15	1.4	<0.1	<0.05	7	0.5	<0.2
162055	Soil	7	5	0.03	29	0.032	<20	0.60	0.005	0.02	<0.1	0.03	0.4	0.1	<0.05	3	<0.5	<0.2
162056	Soil	7	8	0.06	50	0.026	<20	1.19	0.006	0.02	<0.1	0.03	0.4	<0.1	<0.05	5	<0.5	<0.2
162057	Soil	6	19	0.12	36	0.052	<20	1.75	0.006	0.03	<0.1	0.06	0.8	<0.1	<0.05	6	<0.5	<0.2
162058	Soil	7	16	0.14	50	0.049	<20	1.29	0.006	0.03	0.1	0.04	1.3	0.1	<0.05	5	<0.5	<0.2
162059	Soil	6	20	0.10	37	0.043	<20	1.16	0.005	0.03	<0.1	0.04	0.9	<0.1	<0.05	4	<0.5	<0.2
162060	Soil	7	18	0.18	72	0.050	<20	1.46	0.006	0.03	<0.1	0.05	1.2	<0.1	<0.05	4	<0.5	<0.2
162061	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162062	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162063	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162064	Soil	8	10	0.29	63	0.044	<20	2.24	0.004	0.06	<0.1	0.05	1.2	0.2	<0.05	9	<0.5	<0.2
162065	Soil	8	17	0.17	111	0.018	<20	2.01	0.007	0.05	<0.1	0.09	1.1	0.1	<0.05	7	<0.5	<0.2
162066	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162067	Soil	10	12	0.19	112	0.017	<20	1.12	0.006	0.05	<0.1	0.02	1.1	0.1	<0.05	4	<0.5	<0.2
162068	Soil	8	16	0.15	66	0.020	<20	3.30	0.006	0.04	<0.1	0.10	1.2	0.2	<0.05	7	<0.5	<0.2
162069	Soil	9	12	0.05	54	0.027	<20	0.74	0.006	0.04	<0.1	0.02	0.5	0.1	<0.05	5	<0.5	<0.2
162070	Soil	10	13	0.07	114	0.007	<20	1.24	0.006	0.04	<0.1	0.04	0.6	0.1	0.07	4	<0.5	<0.2
162071	Soil	10	9	0.06	111	0.026	<20	0.41	0.007	0.04	<0.1	0.03	0.6	<0.1	<0.05	2	<0.5	<0.2
162072	Soil	9	10	0.08	79	0.014	<20	1.77	0.005	0.04	<0.1	0.04	0.8	0.1	<0.05	4	<0.5	<0.2
162073	Soil	8	9	0.07	67	0.012	<20	1.20	0.006	0.03	<0.1	0.03	0.8	0.1	<0.05	3	<0.5	<0.2
162074	Soil	8	13	0.16	58	0.023	<20	1.35	0.005	0.04	<0.1	0.03	1.1	0.1	<0.05	3	<0.5	<0.2
162075	Soil	9	12	0.10	25	0.054	<20	2.23	0.009	0.02	<0.1	0.05	1.2	<0.1	<0.05	7	<0.5	<0.2
162076	Soil	8	14	0.18	34	0.064	<20	1.21	0.007	0.04	<0.1	0.03	1.1	<0.1	<0.05	7	<0.5	<0.2
162077	Soil	9	12	0.07	33	0.048	<20	1.24	0.006	0.03	<0.1	0.05	0.7	0.1	<0.05	6	<0.5	<0.2
162078	Soil	14	43	0.25	106	0.025	<20	1.62	0.011	0.07	<0.1	0.04	2.9	0.2	<0.05	4	<0.5	<0.2
162079	Soil	10	9	0.05	44	0.053	<20	0.43	0.007	0.05	<0.1	0.02	0.4	<0.1	<0.05	2	<0.5	<0.2
162080	Soil	10	5	0.01	35	0.011	<20	0.46	0.009	0.04	<0.1	0.02	0.2	0.1	<0.05	2	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 3 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
162081	Soil	0.7	1.4	8.7	11	<0.1	2.9	0.5	26	0.31	1.6	0.3	<0.5	1.5	5	<0.1	0.2	0.3	9	0.03	0.009
162082	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162083	Soil	0.9	6.9	10.7	48	0.2	5.8	3.4	124	2.53	7.1	0.8	3.8	3.8	8	0.2	0.4	0.1	62	0.07	0.130
162084	Soil	0.8	5.7	14.4	77	0.3	6.3	3.6	154	2.15	5.5	0.7	<0.5	2.3	8	0.1	0.3	0.2	48	0.07	0.115
162085	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162086	Soil	0.7	3.4	14.8	40	0.3	3.0	1.3	55	1.41	6.5	0.7	<0.5	3.9	6	0.1	0.4	0.2	29	0.04	0.124
162087	Soil	0.5	2.8	16.1	48	0.1	2.9	2.0	264	1.21	3.0	0.6	<0.5	2.5	6	<0.1	0.2	0.3	23	0.06	0.093
162088	Soil	0.7	5.0	15.4	43	<0.1	5.2	3.1	143	2.03	5.9	0.9	<0.5	3.9	7	0.1	0.4	0.2	37	0.05	0.166
162089	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162090	Soil	0.7	5.6	13.3	83	0.2	6.6	4.7	266	1.84	6.0	0.7	<0.5	3.1	7	0.2	0.4	0.1	38	0.06	0.116
162091	Soil	0.6	4.0	15.6	53	0.1	5.9	3.4	425	1.63	4.1	0.6	<0.5	3.0	7	<0.1	0.2	0.2	36	0.06	0.091
162092	Soil	0.7	4.4	11.7	36	<0.1	6.3	4.1	136	1.96	4.7	0.7	0.5	2.8	9	<0.1	0.3	0.1	46	0.06	0.068
162093	Soil	0.9	3.8	19.7	39	0.2	3.1	1.4	71	1.36	5.5	0.8	<0.5	2.4	6	0.1	0.4	0.2	26	0.04	0.187
162094	Soil	0.7	1.9	17.5	36	<0.1	2.2	1.0	78	0.70	4.6	0.5	<0.5	3.1	5	<0.1	0.7	0.2	13	0.02	0.037
162095	Soil	1.5	8.8	11.2	79	0.4	15.8	5.0	280	2.83	11.6	0.6	<0.5	1.7	11	0.4	1.0	0.3	51	0.12	0.097
162096	Soil	1.8	6.7	13.0	58	0.3	6.0	3.4	94	1.94	13.9	0.7	<0.5	1.9	8	0.2	0.5	0.2	39	0.05	0.069
162097	Soil	1.4	6.5	15.1	69	0.1	8.5	6.3	218	1.99	10.0	0.9	<0.5	2.9	9	0.1	0.5	0.2	41	0.05	0.065
162098	Soil	2.2	8.0	12.4	40	0.3	7.3	4.0	1838	1.43	8.9	1.6	<0.5	1.5	15	0.1	0.3	0.2	32	0.09	0.032
162099	Soil	1.9	6.9	11.2	93	0.2	12.5	4.4	686	1.99	13.6	0.9	<0.5	3.1	17	<0.1	0.2	0.2	31	0.06	0.261
162100	Soil	1.2	4.0	7.4	37	0.2	2.2	1.5	128	1.06	8.3	0.5	<0.5	0.9	20	0.1	0.2	0.2	26	0.08	0.055
162101	Soil	0.4	1.5	5.0	9	<0.1	1.6	0.7	59	0.48	<0.5	0.4	<0.5	0.6	4	<0.1	0.2	0.1	15	0.03	0.011
162102	Soil	1.4	5.0	25.4	51	0.1	5.1	3.4	238	2.68	9.2	0.8	<0.5	2.4	5	0.1	0.5	0.2	47	0.05	0.193
162103	Soil	1.1	2.4	20.1	23	0.1	4.3	2.3	155	0.66	1.2	0.5	<0.5	0.9	14	<0.1	0.2	0.2	23	0.11	0.016
162104	Soil	0.5	1.9	26.7	15	<0.1	2.6	0.9	48	0.45	1.1	0.4	0.7	1.2	7	<0.1	0.2	0.2	17	0.07	0.008
162105	Soil	1.4	4.5	15.8	63	0.2	6.2	3.2	223	1.11	11.3	0.9	<0.5	0.9	23	0.2	0.3	0.2	32	0.23	0.028
162106	Soil	0.8	3.0	12.3	23	<0.1	5.0	1.3	56	0.91	4.9	0.4	<0.5	1.1	7	<0.1	0.5	0.2	30	0.07	0.018
162107	Soil	0.3	1.6	10.1	8	<0.1	4.1	0.4	27	0.29	<0.5	0.3	<0.5	0.6	5	<0.1	0.1	0.2	11	0.04	0.011
162108	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162109	Soil	0.5	2.9	14.5	24	0.2	3.9	0.9	46	0.97	2.6	0.4	<0.5	1.5	6	<0.1	0.2	0.2	28	0.05	0.045
162110	Soil	0.8	7.9	13.6	50	0.2	6.1	3.2	100	2.52	8.9	0.4	0.6	1.6	7	<0.1	1.0	0.1	50	0.06	0.130



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 3 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
162081	Soil	12	7	0.01	25	0.017	<20	0.55	0.008	0.03	<0.1	<0.01	0.2	0.1	<0.05	2	<0.5	<0.2
162082	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162083	Soil	7	18	0.15	48	0.085	<20	2.72	0.008	0.03	<0.1	0.08	1.8	<0.1	<0.05	6	<0.5	<0.2
162084	Soil	7	15	0.15	46	0.054	<20	2.77	0.009	0.03	<0.1	0.07	1.6	<0.1	<0.05	6	<0.5	<0.2
162085	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162086	Soil	10	10	0.06	49	0.014	<20	2.07	0.006	0.04	<0.1	0.05	0.7	0.1	<0.05	4	<0.5	<0.2
162087	Soil	10	9	0.07	51	0.027	<20	1.87	0.008	0.04	<0.1	0.04	0.9	0.1	<0.05	5	<0.5	<0.2
162088	Soil	7	16	0.11	39	0.042	<20	3.36	0.008	0.03	<0.1	0.05	1.4	<0.1	<0.05	5	<0.5	<0.2
162089	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162090	Soil	9	15	0.14	54	0.045	<20	1.98	0.008	0.03	<0.1	0.05	1.3	0.1	<0.05	4	<0.5	<0.2
162091	Soil	9	14	0.14	49	0.036	<20	1.70	0.007	0.03	<0.1	0.03	1.1	<0.1	<0.05	5	<0.5	<0.2
162092	Soil	7	14	0.14	51	0.067	<20	1.91	0.009	0.03	<0.1	0.04	1.3	<0.1	<0.05	5	<0.5	<0.2
162093	Soil	9	11	0.06	40	0.020	<20	2.45	0.009	0.04	<0.1	0.08	0.9	0.2	<0.05	6	<0.5	<0.2
162094	Soil	14	6	0.03	40	0.011	<20	1.03	0.007	0.03	<0.1	0.03	0.4	0.1	<0.05	3	<0.5	<0.2
162095	Soil	12	19	0.10	55	0.030	<20	1.36	0.004	0.03	<0.1	0.05	1.4	0.1	<0.05	6	<0.5	<0.2
162096	Soil	8	13	0.13	48	0.024	<20	1.50	0.007	0.03	<0.1	0.04	1.1	0.1	<0.05	4	<0.5	<0.2
162097	Soil	8	17	0.17	65	0.060	<20	1.75	0.007	0.04	<0.1	0.04	1.5	0.1	<0.05	4	<0.5	<0.2
162098	Soil	15	10	0.14	123	0.021	<20	1.21	0.006	0.04	<0.1	0.02	1.2	0.1	<0.05	4	<0.5	<0.2
162099	Soil	11	22	0.16	111	0.010	<20	3.28	0.007	0.06	<0.1	0.08	1.5	0.2	<0.05	6	<0.5	<0.2
162100	Soil	12	8	0.06	94	0.013	<20	1.26	0.006	0.04	<0.1	0.03	0.6	0.2	<0.05	6	<0.5	<0.2
162101	Soil	10	5	0.01	12	0.032	<20	0.27	0.007	0.02	<0.1	0.01	0.2	0.1	<0.05	3	<0.5	<0.2
162102	Soil	9	14	0.09	37	0.054	<20	3.03	0.009	0.03	<0.1	0.07	0.9	<0.1	<0.05	7	<0.5	<0.2
162103	Soil	10	10	0.10	36	0.079	<20	0.57	0.009	0.03	<0.1	0.01	0.7	<0.1	<0.05	4	<0.5	<0.2
162104	Soil	8	8	0.04	17	0.125	<20	0.39	0.007	0.03	<0.1	0.01	0.5	<0.1	<0.05	4	<0.5	<0.2
162105	Soil	11	13	0.20	55	0.068	<20	0.90	0.010	0.04	<0.1	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
162106	Soil	10	12	0.03	34	0.057	<20	0.55	0.010	0.03	<0.1	0.02	0.4	<0.1	<0.05	4	<0.5	<0.2
162107	Soil	9	10	0.01	19	0.036	<20	0.36	0.007	0.02	<0.1	0.02	0.2	<0.1	<0.05	3	<0.5	<0.2
162108	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162109	Soil	9	11	0.05	29	0.050	<20	1.13	0.008	0.02	<0.1	0.05	0.7	<0.1	<0.05	5	<0.5	<0.2
162110	Soil	8	15	0.14	48	0.044	<20	2.28	0.007	0.02	<0.1	0.08	1.6	<0.1	<0.05	6	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 4 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	0.001
162111	Soil	0.4	2.0	9.0	18	<0.1	4.9	1.1	46	0.88	2.4	0.3	3.4	1.2	5	<0.1	0.3	0.2	29	0.05	0.030
162112	Soil	1.1	10.0	10.6	55	0.3	7.2	4.0	98	2.90	6.7	0.3	<0.5	1.6	8	0.1	0.5	0.1	70	0.08	0.080
162113	Soil	1.1	5.7	9.3	56	<0.1	9.6	2.7	209	1.62	12.7	0.4	1.0	1.7	8	0.1	2.0	0.2	43	0.07	0.030
162114	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162115	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162116	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162117	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162118	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162119	Soil	0.4	3.1	11.1	24	0.1	4.7	2.9	78	0.54	1.1	0.6	<0.5	0.1	27	0.1	0.1	0.2	16	0.16	0.025
162120	Soil	1.1	3.8	15.0	47	<0.1	7.7	2.9	127	1.76	6.9	0.6	<0.5	1.7	13	<0.1	0.3	0.2	42	0.10	0.048
162121	Soil	1.1	5.8	17.2	53	<0.1	6.1	4.9	714	2.09	12.3	0.8	0.5	2.5	9	<0.1	0.5	0.2	42	0.06	0.112
162122	Soil	0.5	6.0	8.8	31	<0.1	5.1	2.3	87	1.03	2.7	0.5	<0.5	1.6	8	<0.1	0.2	0.2	25	0.07	0.041
162123	Soil	2.2	23.7	8.1	72	0.4	8.9	5.0	120	3.29	13.4	0.4	<0.5	1.2	12	0.1	0.4	0.2	34	0.19	0.037
162124	Soil	1.8	7.0	16.4	74	0.2	6.2	8.6	392	2.34	8.9	0.9	<0.5	2.9	8	0.2	0.4	0.2	40	0.05	0.147
162125	Soil	1.8	8.8	18.8	61	0.5	5.9	4.0	506	2.67	16.8	1.2	<0.5	3.0	9	0.2	0.6	0.3	40	0.06	0.241
162126	Soil	1.1	4.7	15.0	48	0.2	4.2	2.5	93	1.34	9.2	0.6	<0.5	1.4	14	<0.1	0.4	0.2	38	0.10	0.024
162127	Soil	1.1	5.3	13.7	53	0.2	4.8	2.4	115	1.97	14.1	0.6	<0.5	2.0	11	0.1	0.3	0.2	38	0.05	0.189
162128	Soil	1.4	5.2	12.1	43	0.2	4.2	2.9	240	1.71	13.6	0.7	<0.5	2.1	10	<0.1	0.2	0.2	31	0.03	0.083
162129	Soil	1.6	7.2	12.0	42	0.1	3.0	2.0	90	1.16	11.1	0.8	<0.5	0.7	20	0.2	0.4	0.2	29	0.06	0.033
162130	Soil	1.2	9.4	14.5	44	0.1	6.3	4.0	261	1.56	16.7	0.9	0.8	1.0	27	0.1	0.5	0.2	35	0.23	0.053
162131	Soil	1.2	6.9	22.4	142	0.4	6.1	5.1	733	1.82	5.3	0.7	0.6	2.1	8	0.2	0.2	0.2	34	0.06	0.166
162132	Soil	1.7	3.9	13.6	70	0.2	4.2	2.6	121	1.28	4.8	0.6	<0.5	1.4	14	<0.1	0.2	0.2	32	0.07	0.027
162133	Soil	2.0	7.0	12.8	123	<0.1	10.4	5.7	863	1.79	7.1	1.0	0.9	1.4	39	0.5	0.2	0.1	36	0.30	0.029
162134	Soil	1.1	6.7	18.9	82	0.2	7.7	5.2	352	1.66	5.8	0.5	<0.5	2.2	13	0.1	0.1	0.2	38	0.12	0.059
162135	Soil	1.1	6.2	16.1	83	0.3	9.8	4.7	217	1.92	6.3	0.6	<0.5	2.1	7	0.1	0.2	0.1	37	0.06	0.136
162136	Soil	0.8	4.1	17.3	85	0.5	6.4	2.8	311	1.59	4.1	0.4	6.4	2.2	9	0.2	0.1	0.2	31	0.09	0.103
162137	Soil	1.1	5.3	12.3	55	0.1	5.2	2.5	139	1.44	4.8	0.5	2.9	0.5	6	<0.1	0.2	0.2	32	0.06	0.067
162138	Soil	0.5	1.6	5.8	9	<0.1	1.8	0.3	25	0.27	<0.5	0.3	0.6	0.3	4	<0.1	<0.1	0.1	9	0.02	0.012
162139	Soil	0.8	3.8	14.4	44	0.2	4.1	1.6	89	1.57	10.1	0.6	1.0	1.9	4	0.1	0.6	0.2	34	0.05	0.057
162140	Soil	1.0	4.7	16.7	69	0.2	5.3	2.2	105	1.26	10.1	0.5	<0.5	0.3	12	0.2	0.9	0.2	28	0.10	0.021



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 4 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
162111	Soil	6	12	0.04	27	0.057	<20	0.70	0.004	0.02	<0.1	0.01	0.6	<0.1	<0.05	4	<0.5	<0.2
162112	Soil	8	17	0.17	54	0.052	<20	2.43	0.007	0.03	<0.1	0.04	1.7	<0.1	<0.05	6	<0.5	<0.2
162113	Soil	10	15	0.06	89	0.045	<20	0.68	0.005	0.04	<0.1	0.03	0.9	<0.1	<0.05	5	<0.5	<0.2
162114	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162115	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162116	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162117	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162118	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162119	Soil	11	9	0.06	97	0.020	<20	0.91	0.012	0.04	<0.1	0.03	0.4	<0.1	<0.05	4	<0.5	<0.2
162120	Soil	9	17	0.13	87	0.048	<20	1.45	0.007	0.03	<0.1	0.02	1.1	0.1	<0.05	6	<0.5	<0.2
162121	Soil	9	14	0.12	58	0.040	<20	2.03	0.008	0.04	<0.1	0.05	1.5	0.2	<0.05	7	<0.5	<0.2
162122	Soil	9	9	0.14	50	0.034	<20	0.92	0.008	0.03	<0.1	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
162123	Soil	8	11	0.22	73	0.005	<20	1.43	0.006	0.04	<0.1	0.03	1.6	<0.1	<0.05	4	0.5	<0.2
162124	Soil	8	14	0.13	48	0.023	<20	1.89	0.007	0.04	<0.1	0.04	1.5	0.2	<0.05	7	0.7	<0.2
162125	Soil	8	16	0.11	64	0.028	<20	2.68	0.006	0.04	<0.1	0.14	1.6	0.1	<0.05	5	0.9	<0.2
162126	Soil	10	10	0.10	60	0.051	<20	0.84	0.006	0.04	<0.1	0.02	1.0	<0.1	<0.05	5	<0.5	<0.2
162127	Soil	10	14	0.10	62	0.016	<20	1.98	0.007	0.04	<0.1	0.05	1.0	0.2	<0.05	6	<0.5	<0.2
162128	Soil	11	9	0.08	75	0.012	<20	2.06	0.006	0.04	<0.1	0.04	1.0	0.2	<0.05	7	<0.5	<0.2
162129	Soil	10	10	0.06	64	0.034	<20	0.74	0.008	0.05	<0.1	0.03	0.7	<0.1	<0.05	4	<0.5	<0.2
162130	Soil	14	14	0.18	89	0.044	<20	0.86	0.007	0.05	<0.1	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
162131	Soil	9	13	0.14	81	0.022	<20	3.12	0.006	0.04	<0.1	0.06	1.3	0.1	<0.05	6	<0.5	<0.2
162132	Soil	10	10	0.11	73	0.037	<20	0.84	0.006	0.04	<0.1	0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
162133	Soil	12	16	0.20	147	0.035	<20	1.12	0.007	0.05	<0.1	0.02	1.5	0.2	<0.05	3	<0.5	<0.2
162134	Soil	12	10	0.15	128	0.013	<20	1.48	0.006	0.06	<0.1	0.03	1.4	0.2	<0.05	4	<0.5	<0.2
162135	Soil	9	15	0.13	86	0.025	<20	2.19	0.008	0.04	<0.1	0.07	1.2	0.1	<0.05	4	<0.5	<0.2
162136	Soil	10	10	0.10	113	0.020	<20	1.57	0.006	0.05	<0.1	0.05	1.1	0.1	<0.05	5	<0.5	<0.2
162137	Soil	8	12	0.10	64	0.024	<20	1.40	0.006	0.03	<0.1	0.05	1.0	<0.1	<0.05	5	<0.5	<0.2
162138	Soil	9	4	0.01	22	0.015	<20	0.31	0.007	0.02	<0.1	0.01	0.1	<0.1	<0.05	2	<0.5	<0.2
162139	Soil	8	10	0.07	31	0.027	<20	1.30	0.008	0.03	<0.1	0.04	0.9	<0.1	<0.05	5	<0.5	<0.2
162140	Soil	9	9	0.12	51	0.045	<20	0.92	0.006	0.05	<0.1	0.02	0.6	<0.1	<0.05	4	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 5 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
162141	Soil	0.8	1.4	7.0	9	<0.1	6.3	0.5	23	0.26	0.8	0.3	<0.5	0.3	4	<0.1	0.2	0.2	10	0.03	0.009
162142	Soil	0.4	1.7	5.5	13	<0.1	2.5	0.6	35	0.45	2.0	0.3	<0.5	0.5	5	<0.1	0.2	0.2	15	0.03	0.010
162143	Soil	0.4	1.5	6.3	9	<0.1	4.4	0.5	26	0.30	0.8	0.3	<0.5	1.3	5	<0.1	0.2	0.3	10	0.03	0.009
162144	Soil	4.7	21.2	53.3	138	0.5	17.5	5.4	1381	2.03	67.9	2.9	<0.5	0.6	66	1.1	1.4	0.5	39	0.66	0.043
162145	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162146	Soil	6.0	34.9	19.7	134	1.1	32.6	9.0	3259	2.39	61.8	6.2	1.1	0.6	131	2.7	1.7	0.2	37	1.42	0.144
162147	Soil	0.5	4.1	16.2	45	0.2	4.7	1.2	112	0.54	11.7	0.7	<0.5	0.6	24	0.3	0.6	0.2	15	0.22	0.016
162148	Soil	0.7	5.5	15.3	43	0.4	8.9	1.5	67	0.66	4.9	0.6	<0.5	0.1	23	0.2	0.4	0.2	20	0.24	0.031
162149	Soil	0.8	5.1	8.3	27	0.2	3.4	1.7	74	1.99	3.0	0.6	<0.5	2.2	6	0.1	0.2	0.1	39	0.05	0.130
162150	Soil	0.7	4.7	17.9	42	0.2	4.6	1.8	86	1.99	20.0	0.6	0.5	2.1	6	0.2	1.1	0.2	39	0.05	0.093
162151	Soil	1.6	7.5	12.7	51	0.1	10.5	4.2	337	1.71	4.2	0.5	<0.5	0.6	13	0.2	0.1	0.1	38	0.11	0.033
162152	Soil	1.1	7.7	8.2	65	0.2	8.0	3.7	116	2.50	4.1	0.4	<0.5	0.7	8	0.2	0.2	0.1	48	0.07	0.121
162153	Soil	0.4	2.1	12.7	17	0.1	4.1	0.9	39	0.47	1.6	0.3	<0.5	0.2	6	<0.1	<0.1	0.1	13	0.05	0.021
162154	Soil	0.6	3.5	6.0	28	<0.1	3.2	1.8	101	1.21	0.7	0.4	<0.5	0.5	8	<0.1	0.1	0.2	33	0.07	0.020
162155	Soil	0.6	2.8	9.1	20	<0.1	2.5	1.1	57	1.22	1.3	0.4	<0.5	1.9	6	<0.1	0.1	0.2	30	0.06	0.077
162156	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162157	Soil	0.3	2.0	8.8	11	0.1	1.9	0.6	30	0.40	<0.5	0.4	<0.5	0.1	7	<0.1	<0.1	0.2	15	0.04	0.016
162158	Soil	0.9	5.6	8.3	57	0.1	8.2	5.2	190	2.39	4.1	0.6	<0.5	2.3	8	<0.1	0.2	0.1	49	0.07	0.135
162159	Soil	0.9	6.2	9.9	43	0.1	5.9	3.0	115	2.06	4.1	0.8	<0.5	2.7	7	<0.1	0.1	0.2	43	0.06	0.110
162160	Soil	1.2	8.0	18.4	66	0.3	5.6	3.9	259	2.21	10.5	0.8	<0.5	2.8	14	0.2	0.2	0.2	35	0.07	0.270
162161	Soil	1.2	7.2	9.3	53	0.2	7.8	2.2	371	1.05	3.3	0.6	<0.5	1.0	15	0.1	0.2	0.2	21	0.12	0.091
162162	Soil	1.6	8.1	12.0	61	0.3	4.7	3.3	416	1.68	11.4	0.7	3.0	0.5	17	0.2	0.3	0.2	28	0.04	0.159
162163	Soil	1.2	5.8	10.0	31	0.1	3.8	2.2	98	1.43	1.9	0.4	<0.5	0.9	10	0.1	0.2	0.2	40	0.08	0.028
162164	Soil	0.9	4.9	9.6	65	0.1	5.3	4.2	699	1.54	7.9	0.6	<0.5	2.4	8	<0.1	0.1	0.2	29	0.07	0.082
162165	Soil	1.0	4.9	10.5	37	0.2	4.3	2.5	208	1.82	6.6	0.6	<0.5	2.0	8	<0.1	0.2	0.2	39	0.05	0.154
162166	Soil	0.9	6.0	7.8	31	0.1	3.6	1.9	145	1.26	1.5	0.4	<0.5	0.5	7	0.2	0.2	0.2	39	0.06	0.035
162167	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162168	Soil	3.0	3.3	18.6	43	0.3	2.8	1.1	56	0.86	1.6	0.5	357.4	1.5	41	0.3	0.2	0.2	23	0.29	0.035
162169	Soil	1.4	5.8	13.5	81	0.3	5.0	3.0	130	2.03	2.8	0.4	<0.5	1.3	11	0.2	0.1	0.1	38	0.09	0.230
162170	Soil	3.0	4.1	12.7	50	<0.1	6.1	1.5	89	1.28	1.9	0.5	<0.5	1.0	21	0.3	0.2	0.2	30	0.20	0.036



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 5 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
162141	Soil	10	11	0.01	15	0.019	<20	0.45	0.005	0.02	<0.1	0.02	0.3	0.1	<0.05	4	<0.5	<0.2
162142	Soil	10	5	0.01	24	0.020	<20	0.39	0.007	0.02	<0.1	0.01	0.2	0.1	<0.05	3	<0.5	<0.2
162143	Soil	10	9	0.01	20	0.020	<20	0.38	0.007	0.02	<0.1	0.02	0.2	<0.1	<0.05	3	<0.5	<0.2
162144	Soil	20	21	0.24	128	0.027	<20	1.66	0.011	0.06	<0.1	0.05	2.6	0.2	<0.05	6	0.5	<0.2
162145	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162146	Soil	28	25	0.29	214	0.014	<20	2.77	0.017	0.11	<0.1	0.12	3.1	0.3	0.10	8	0.7	<0.2
162147	Soil	10	7	0.10	75	0.039	<20	0.62	0.008	0.04	<0.1	0.02	0.9	<0.1	<0.05	3	<0.5	<0.2
162148	Soil	9	8	0.12	103	0.019	<20	1.06	0.008	0.04	<0.1	0.05	0.5	<0.1	<0.05	4	<0.5	<0.2
162149	Soil	7	12	0.07	23	0.045	<20	1.80	0.010	0.03	0.1	0.08	1.1	<0.1	<0.05	6	<0.5	<0.2
162150	Soil	7	12	0.09	37	0.031	<20	1.80	0.006	0.03	<0.1	0.07	1.2	<0.1	<0.05	6	<0.5	<0.2
162151	Soil	8	15	0.20	103	0.029	<20	1.10	0.010	0.04	<0.1	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
162152	Soil	7	17	0.19	52	0.042	<20	1.47	0.007	0.04	<0.1	0.07	1.3	<0.1	<0.05	7	<0.5	<0.2
162153	Soil	8	6	0.05	33	0.025	<20	0.60	0.005	0.04	<0.1	0.03	0.4	<0.1	<0.05	3	<0.5	<0.2
162154	Soil	7	11	0.09	46	0.053	<20	0.63	0.008	0.03	<0.1	0.02	0.8	<0.1	<0.05	6	<0.5	<0.2
162155	Soil	8	9	0.05	22	0.047	<20	0.87	0.006	0.03	<0.1	0.03	0.9	<0.1	<0.05	6	<0.5	<0.2
162156	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162157	Soil	8	6	0.04	33	0.022	<20	0.93	0.006	0.02	<0.1	0.04	0.4	<0.1	<0.05	6	<0.5	<0.2
162158	Soil	6	16	0.16	52	0.068	<20	2.60	0.008	0.03	<0.1	0.06	1.7	<0.1	<0.05	6	<0.5	<0.2
162159	Soil	8	16	0.11	41	0.045	<20	1.73	0.009	0.03	<0.1	0.03	1.4	<0.1	<0.05	7	<0.5	<0.2
162160	Soil	9	12	0.15	85	0.018	<20	3.01	0.011	0.05	<0.1	0.08	1.6	0.1	<0.05	8	<0.5	<0.2
162161	Soil	11	15	0.11	90	0.011	<20	1.41	0.008	0.07	<0.1	0.05	1.0	0.2	<0.05	5	<0.5	<0.2
162162	Soil	9	11	0.12	84	0.013	<20	1.83	0.007	0.06	<0.1	0.05	0.9	0.1	<0.05	6	<0.5	<0.2
162163	Soil	8	13	0.06	55	0.085	<20	0.66	0.006	0.03	<0.1	0.02	0.8	<0.1	<0.05	5	<0.5	<0.2
162164	Soil	9	11	0.12	68	0.026	<20	1.85	0.007	0.05	<0.1	0.03	1.4	0.2	<0.05	5	<0.5	<0.2
162165	Soil	9	12	0.10	41	0.037	<20	1.58	0.007	0.03	<0.1	0.06	1.2	0.1	<0.05	9	<0.5	<0.2
162166	Soil	9	10	0.07	37	0.052	<20	0.78	0.006	0.03	<0.1	0.03	0.6	<0.1	<0.05	6	<0.5	<0.2
162167	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162168	Soil	10	9	0.04	90	0.054	<20	0.55	0.010	0.04	<0.1	0.01	0.7	<0.1	<0.05	3	<0.5	<0.2
162169	Soil	8	12	0.13	95	0.042	<20	2.27	0.009	0.04	<0.1	0.06	1.2	<0.1	<0.05	7	<0.5	<0.2
162170	Soil	10	15	0.08	70	0.052	<20	0.73	0.008	0.04	<0.1	0.02	1.0	<0.1	<0.05	5	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 6 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
162171	Soil	1.0	3.9	26.1	52	<0.1	3.5	1.6	140	1.28	1.2	0.5	0.6	2.3	9	0.2	0.1	0.3	28	0.09	0.073
162172	Soil	0.7	4.3	21.5	59	0.1	4.6	2.6	107	1.58	2.5	0.6	<0.5	1.6	8	0.1	0.1	0.2	32	0.09	0.129
162173	Soil	0.7	2.8	20.4	38	0.1	2.4	1.0	225	0.81	0.9	0.5	0.6	1.6	7	0.1	0.1	0.3	18	0.06	0.067
162174	Soil	0.9	2.4	4.9	21	<0.1	2.4	1.0	50	0.64	0.6	0.3	0.6	0.7	7	0.1	0.2	0.1	23	0.06	0.012
162175	Soil	1.5	1.8	2.4	14	<0.1	2.6	0.7	41	0.40	<0.5	0.3	<0.5	0.2	4	<0.1	<0.1	0.1	12	0.04	0.016
162176	Soil	1.5	3.0	3.6	17	<0.1	4.5	1.0	42	0.67	0.8	0.4	<0.5	0.9	4	<0.1	0.1	0.2	18	0.02	0.014
162177	Soil	0.9	1.7	5.4	10	<0.1	1.8	0.6	29	0.52	<0.5	0.3	<0.5	1.1	4	<0.1	0.1	0.2	15	0.03	0.008
162178	Soil	0.8	2.6	13.2	46	<0.1	3.5	2.2	125	1.13	1.3	0.5	<0.5	1.6	5	0.1	0.1	0.2	29	0.05	0.079
162179	Soil	0.7	2.0	8.3	25	<0.1	2.5	1.0	71	0.62	<0.5	0.4	<0.5	1.6	5	0.1	0.1	0.2	16	0.05	0.045
162180	Soil	0.8	5.7	15.1	47	0.2	6.2	3.4	132	1.66	2.6	0.6	<0.5	2.3	5	0.1	0.2	0.1	35	0.07	0.083
162181	Soil	0.8	2.1	6.7	12	0.2	2.3	0.5	37	0.47	<0.5	0.3	<0.5	1.0	6	<0.1	<0.1	0.2	15	0.05	0.010
162182	Soil	1.1	2.1	6.6	15	<0.1	2.4	1.1	63	0.76	0.7	0.4	<0.5	1.5	3	<0.1	0.1	0.2	22	0.02	0.042
162183	Soil	0.8	3.6	14.0	36	0.2	3.2	1.8	270	1.05	2.1	0.5	<0.5	2.1	4	<0.1	0.2	0.2	26	0.05	0.072
162184	Soil	1.3	1.8	10.2	10	0.2	1.8	0.7	76	0.38	0.8	1.0	<0.5	0.6	13	<0.1	<0.1	0.2	11	0.07	0.012
162185	Soil	0.9	2.3	13.0	17	0.1	2.4	0.9	71	0.39	0.8	0.7	<0.5	0.3	15	0.2	<0.1	0.2	10	0.12	0.016
162186	Soil	0.7	1.7	2.2	11	<0.1	2.0	0.7	34	0.48	<0.5	0.3	<0.5	0.2	4	<0.1	0.1	<0.1	15	0.03	0.010
162187	Soil	0.9	5.8	10.9	45	<0.1	5.4	3.4	169	1.63	3.2	0.5	<0.5	2.1	7	0.1	0.2	0.1	37	0.07	0.100
162188	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162189	Soil	1.7	41.3	13.5	98	0.2	11.5	9.3	196	3.90	7.5	0.2	<0.5	0.7	5	0.2	0.2	<0.1	112	0.05	0.085
162190	Soil	1.0	7.6	24.9	81	<0.1	7.2	4.2	250	2.11	1.3	0.3	<0.5	1.5	5	0.2	0.1	0.1	79	0.05	0.094
162191	Soil	0.5	1.8	5.2	11	<0.1	1.8	0.7	35	0.59	<0.5	0.4	<0.5	1.8	3	<0.1	0.1	0.1	18	0.02	0.010
162192	Soil	1.0	9.6	12.2	35	0.1	5.1	3.8	240	2.45	3.2	0.4	<0.5	1.4	4	0.1	0.2	0.1	58	0.05	0.079
162193	Soil	0.8	4.5	10.1	25	0.3	2.9	1.8	78	1.69	2.9	0.4	<0.5	1.1	4	0.1	0.2	0.1	48	0.04	0.081
162194	Soil	1.1	16.7	7.5	55	0.2	10.1	6.8	157	3.16	4.1	0.4	<0.5	1.2	7	<0.1	0.2	0.1	72	0.08	0.124
162195	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162196	Soil	0.9	9.2	7.5	69	0.1	7.4	5.5	305	2.96	4.8	0.5	<0.5	1.9	5	0.1	0.1	0.2	71	0.05	0.190
162197	Soil	0.6	4.4	10.7	38	0.2	4.7	3.2	115	1.29	4.3	0.4	<0.5	1.7	4	0.1	0.1	<0.1	31	0.04	0.108
162198	Soil	0.4	3.8	8.5	30	0.2	2.1	1.1	104	0.53	1.3	0.6	<0.5	0.3	26	0.2	<0.1	0.1	19	0.21	0.017
162199	Soil	1.5	5.8	11.5	39	0.2	4.6	2.4	83	1.23	8.6	0.6	<0.5	1.3	15	<0.1	0.3	0.3	30	0.03	0.050
162200	Soil	1.1	3.0	8.4	21	<0.1	2.2	1.0	62	0.63	1.4	0.5	<0.5	0.5	12	<0.1	0.2	0.5	18	0.05	0.020



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 6 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
162171	Soil	15	11	0.08	47	0.043	<20	0.97	0.011	0.04	<0.1	0.02	1.0	0.1	<0.05	5	<0.5	<0.2
162172	Soil	11	11	0.11	67	0.034	<20	1.59	0.011	0.04	<0.1	0.04	1.0	<0.1	<0.05	5	<0.5	<0.2
162173	Soil	15	7	0.04	37	0.023	<20	1.15	0.007	0.04	<0.1	0.03	0.6	0.2	<0.05	4	<0.5	<0.2
162174	Soil	12	7	0.05	52	0.025	<20	0.64	0.006	0.04	<0.1	0.01	0.4	<0.1	<0.05	4	<0.5	<0.2
162175	Soil	14	7	0.01	58	0.009	<20	0.62	0.006	0.04	<0.1	0.02	<0.1	0.1	0.06	2	<0.5	<0.2
162176	Soil	14	11	0.02	60	0.020	<20	0.57	0.006	0.04	<0.1	0.02	0.2	0.1	0.06	3	<0.5	<0.2
162177	Soil	12	7	0.01	29	0.030	<20	0.35	0.006	0.03	<0.1	0.01	0.2	<0.1	0.06	2	<0.5	<0.2
162178	Soil	12	10	0.07	59	0.025	<20	1.30	0.007	0.03	<0.1	0.03	0.7	<0.1	<0.05	4	<0.5	<0.2
162179	Soil	12	7	0.04	47	0.021	<20	0.58	0.006	0.03	<0.1	0.02	0.4	<0.1	<0.05	3	<0.5	<0.2
162180	Soil	11	14	0.14	70	0.045	<20	1.44	0.009	0.03	<0.1	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
162181	Soil	11	8	0.02	61	0.027	<20	0.39	0.006	0.04	<0.1	0.02	0.3	<0.1	<0.05	2	<0.5	<0.2
162182	Soil	12	9	0.02	34	0.029	<20	0.60	0.005	0.03	<0.1	0.02	0.3	0.1	<0.05	3	<0.5	<0.2
162183	Soil	12	10	0.07	63	0.020	<20	1.00	0.006	0.03	<0.1	0.04	0.7	0.1	<0.05	4	<0.5	<0.2
162184	Soil	10	5	0.02	61	0.021	<20	0.43	0.005	0.03	<0.1	0.02	0.4	0.1	<0.05	2	<0.5	<0.2
162185	Soil	10	7	0.04	80	0.019	<20	0.42	0.006	0.04	<0.1	0.02	0.3	<0.1	<0.05	2	<0.5	0.3
162186	Soil	10	7	<0.01	47	0.011	<20	0.33	0.006	0.03	<0.1	0.02	<0.1	<0.1	<0.05	2	<0.5	<0.2
162187	Soil	11	14	0.12	72	0.036	<20	1.58	0.010	0.03	<0.1	0.04	1.2	<0.1	<0.05	4	<0.5	<0.2
162188	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162189	Soil	6	12	0.42	268	0.004	<20	2.17	0.005	0.04	<0.1	0.04	3.5	<0.1	<0.05	7	<0.5	<0.2
162190	Soil	8	15	0.12	63	0.249	<20	0.84	0.006	0.02	<0.1	0.02	1.0	<0.1	<0.05	6	<0.5	<0.2
162191	Soil	11	6	0.02	21	0.050	<20	0.39	0.008	0.02	<0.1	0.01	0.2	<0.1	<0.05	3	<0.5	<0.2
162192	Soil	8	12	0.14	41	0.021	<20	1.37	0.007	0.02	<0.1	0.05	1.2	<0.1	<0.05	5	<0.5	<0.2
162193	Soil	8	9	0.08	37	0.033	<20	1.26	0.006	0.03	<0.1	0.04	0.8	<0.1	<0.05	6	<0.5	<0.2
162194	Soil	7	14	0.24	66	0.028	<20	2.57	0.006	0.03	<0.1	0.08	2.1	<0.1	<0.05	7	<0.5	<0.2
162195	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162196	Soil	8	17	0.32	70	0.017	<20	2.99	0.006	0.04	<0.1	0.06	2.3	<0.1	<0.05	8	0.8	<0.2
162197	Soil	7	12	0.12	50	0.027	<20	1.85	0.007	0.02	<0.1	0.06	1.0	<0.1	<0.05	3	<0.5	<0.2
162198	Soil	10	6	0.06	70	0.022	<20	0.43	0.006	0.03	<0.1	0.02	0.5	<0.1	<0.05	2	<0.5	<0.2
162199	Soil	10	11	0.08	80	0.015	<20	1.16	0.005	0.04	<0.1	0.05	0.8	0.2	<0.05	5	<0.5	<0.2
162200	Soil	10	7	0.04	28	0.029	<20	0.62	0.007	0.03	<0.1	0.02	0.6	0.2	<0.05	6	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 7 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
162201	Soil	1.0	2.2	5.5	15	<0.1	3.2	0.9	41	0.73	0.5	0.4	<0.5	1.7	5	0.1	0.1	0.2	22	0.03	0.009
162202	Soil	0.8	2.1	10.5	22	<0.1	4.3	0.8	531	0.41	<0.5	0.4	<0.5	0.2	6	0.1	<0.1	0.2	10	0.07	0.034
162203	Soil	1.1	3.2	14.5	49	0.1	8.6	1.9	182	0.88	1.6	0.4	<0.5	1.5	6	0.2	0.1	0.2	19	0.08	0.128
162204	Soil	0.9	2.3	6.0	17	0.1	4.7	1.1	59	0.75	0.8	0.4	<0.5	1.0	3	<0.1	0.1	0.2	21	0.02	0.030
162205	Soil	0.9	1.9	5.4	11	<0.1	3.8	0.8	37	0.53	0.6	0.3	<0.5	0.7	4	<0.1	0.1	0.2	17	0.02	0.008
162206	Soil	1.1	2.6	12.4	20	<0.1	5.2	1.4	53	1.00	5.5	0.4	<0.5	2.2	3	<0.1	0.2	0.2	27	0.03	0.059
162207	Soil	0.7	1.6	2.3	12	<0.1	4.0	0.5	27	0.47	<0.5	0.3	<0.5	1.1	4	<0.1	<0.1	<0.1	15	0.04	0.008
162208	Soil	1.2	3.7	16.3	20	0.4	5.5	1.8	69	1.65	7.5	0.5	<0.5	2.4	4	<0.1	0.2	0.2	38	0.04	0.119
162209	Soil	0.6	1.9	6.4	14	0.1	4.4	1.2	44	0.79	1.0	0.3	<0.5	1.5	3	<0.1	0.2	0.1	27	0.03	0.008
162210	Soil	0.5	1.3	5.7	9	<0.1	3.0	0.5	23	0.49	1.1	0.3	<0.5	1.1	3	<0.1	0.1	0.1	17	0.02	0.009
162211	Soil	1.2	4.7	14.4	53	0.2	5.4	2.4	82	1.78	3.9	0.6	<0.5	2.6	4	0.2	0.2	0.1	38	0.04	0.171
162212	Soil	1.4	7.8	15.9	56	0.2	8.5	2.6	77	2.04	8.9	0.6	2.0	2.5	4	0.1	0.3	0.2	40	0.03	0.146
162213	Soil	1.0	7.7	6.6	31	<0.1	4.9	1.6	58	1.29	2.5	0.3	<0.5	1.3	5	0.1	0.2	0.2	46	0.04	0.029
162214	Soil	4.4	10.3	20.0	128	0.2	11.7	2.2	86	3.88	9.4	0.2	2.4	0.9	4	0.3	0.3	0.1	87	0.04	0.081
162215	Soil	0.7	5.9	12.5	42	0.5	4.3	1.7	208	1.49	2.5	0.4	<0.5	1.7	5	0.2	0.1	0.2	30	0.04	0.155
162216	Soil	1.1	6.2	37.6	37	0.3	6.2	2.4	97	1.66	7.7	0.5	0.7	1.9	4	0.1	0.3	0.2	32	0.04	0.124
162217	Soil	1.6	9.1	14.0	40	0.2	7.4	2.8	141	2.89	7.2	0.4	1.4	1.7	6	0.1	0.3	0.2	64	0.07	0.155
162218	Soil	1.3	12.7	8.4	40	0.1	9.4	4.4	155	3.64	9.4	0.3	1.6	1.1	7	0.2	0.3	0.1	81	0.07	0.099
162219	Soil	0.8	8.1	10.4	50	0.2	5.9	3.4	88	2.05	4.6	0.4	1.0	2.0	4	0.1	0.2	0.1	40	0.05	0.120
162220	Soil	0.5	6.7	6.1	36	0.1	5.5	3.1	87	1.61	2.2	0.3	0.5	1.4	5	<0.1	0.1	0.1	45	0.05	0.047
162221	Soil	0.5	11.7	7.3	19	0.1	4.2	1.8	55	1.66	2.5	0.3	1.2	1.2	5	<0.1	0.1	0.2	46	0.05	0.076
162222	Soil	0.7	9.5	7.0	50	0.2	7.9	4.4	128	2.34	4.8	0.4	0.5	1.4	5	0.2	0.2	<0.1	49	0.05	0.140
162223	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162224	Soil	1.0	5.3	11.5	38	0.4	4.9	2.9	117	1.85	4.9	0.5	0.7	1.3	12	<0.1	0.2	0.3	47	0.07	0.070
162225	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162226	Soil	0.8	3.8	9.2	32	<0.1	3.7	1.7	107	1.27	2.0	0.5	<0.5	1.5	6	<0.1	0.2	0.2	31	0.04	0.040
162227	Soil	0.6	5.6	7.9	33	<0.1	6.9	4.8	225	1.90	2.6	0.4	0.7	1.3	9	0.1	0.1	<0.1	42	0.09	0.071
162228	Soil	0.5	2.2	8.5	20	<0.1	2.4	0.9	50	0.95	0.9	0.2	0.7	0.9	6	0.1	<0.1	0.1	28	0.06	0.044
162229	Soil	0.3	1.5	18.1	18	<0.1	2.4	0.8	86	0.59	0.9	0.3	<0.5	0.9	5	<0.1	<0.1	0.1	14	0.04	0.053
162230	Soil	1.1	4.2	16.2	46	<0.1	5.0	3.2	324	1.76	11.7	0.5	0.7	1.3	7	0.2	0.3	0.2	37	0.07	0.054



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 7 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
162201	Soil	11	10	0.02	25	0.042	<20	0.35	0.015	0.03	<0.1	0.01	0.3	<0.1	<0.05	2	<0.5	<0.2
162202	Soil	12	6	0.03	60	0.013	<20	0.51	0.005	0.04	<0.1	0.04	0.2	<0.1	<0.05	2	<0.5	<0.2
162203	Soil	13	17	0.08	65	0.011	<20	0.91	0.006	0.07	<0.1	0.06	0.6	<0.1	<0.05	3	<0.5	<0.2
162204	Soil	12	10	0.02	41	0.017	<20	0.76	0.005	0.03	<0.1	0.02	0.3	0.1	<0.05	4	<0.5	<0.2
162205	Soil	11	9	0.01	25	0.028	<20	0.35	0.007	0.02	<0.1	0.02	0.2	<0.1	<0.05	3	0.6	<0.2
162206	Soil	11	10	0.05	45	0.021	<20	0.86	0.005	0.03	<0.1	0.03	0.5	<0.1	<0.05	2	<0.5	<0.2
162207	Soil	11	8	<0.01	30	0.018	<20	0.29	0.007	0.03	<0.1	<0.01	0.1	<0.1	<0.05	2	<0.5	<0.2
162208	Soil	10	12	0.07	47	0.016	<20	1.79	0.006	0.03	<0.1	0.08	0.7	<0.1	<0.05	3	0.7	<0.2
162209	Soil	10	11	0.02	33	0.048	<20	0.50	0.006	0.02	<0.1	0.02	0.3	<0.1	<0.05	3	<0.5	<0.2
162210	Soil	10	8	0.01	32	0.027	<20	0.39	0.007	0.02	<0.1	0.02	0.2	<0.1	<0.05	3	<0.5	<0.2
162211	Soil	9	19	0.09	51	0.025	<20	3.03	0.006	0.03	<0.1	0.11	1.1	<0.1	<0.05	4	<0.5	<0.2
162212	Soil	9	14	0.10	59	0.017	<20	2.13	0.006	0.03	<0.1	0.07	1.1	<0.1	<0.05	4	<0.5	<0.2
162213	Soil	8	8	0.06	69	0.019	<20	0.75	0.006	0.03	<0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
162214	Soil	8	24	0.07	32	0.024	<20	0.87	0.004	0.02	0.1	0.04	1.0	<0.1	<0.05	6	<0.5	<0.2
162215	Soil	8	12	0.05	57	0.018	<20	1.90	0.004	0.03	<0.1	0.08	0.8	<0.1	<0.05	4	<0.5	<0.2
162216	Soil	8	12	0.08	79	0.017	<20	1.63	0.004	0.03	0.1	0.09	0.8	<0.1	<0.05	4	<0.5	<0.2
162217	Soil	6	14	0.11	56	0.025	<20	2.08	0.004	0.04	<0.1	0.08	1.2	<0.1	<0.05	6	<0.5	<0.2
162218	Soil	6	14	0.16	61	0.027	<20	1.36	0.004	0.02	<0.1	0.05	1.3	<0.1	<0.05	6	<0.5	<0.2
162219	Soil	7	12	0.11	58	0.020	<20	1.78	0.004	0.03	<0.1	0.05	1.2	<0.1	<0.05	4	<0.5	<0.2
162220	Soil	7	9	0.12	57	0.010	<20	1.06	0.004	0.03	<0.1	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
162221	Soil	8	11	0.06	41	0.025	<20	1.62	0.005	0.02	<0.1	0.05	0.8	<0.1	<0.05	6	<0.5	<0.2
162222	Soil	5	17	0.16	41	0.035	<20	2.54	0.005	0.02	0.1	0.07	1.4	<0.1	<0.05	4	<0.5	<0.2
162223	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162224	Soil	8	16	0.09	46	0.051	<20	0.83	0.005	0.03	<0.1	0.04	0.8	<0.1	<0.05	6	<0.5	<0.2
162225	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162226	Soil	8	12	0.06	32	0.056	<20	0.71	0.004	0.02	<0.1	0.02	0.6	<0.1	<0.05	5	<0.5	<0.2
162227	Soil	6	14	0.13	58	0.052	<20	1.26	0.006	0.03	<0.1	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
162228	Soil	6	9	0.03	29	0.058	<20	0.57	0.008	0.02	<0.1	0.02	0.6	<0.1	<0.05	4	<0.5	<0.2
162229	Soil	7	6	0.03	35	0.024	<20	0.91	0.004	0.02	<0.1	0.03	0.4	<0.1	<0.05	4	<0.5	<0.2
162230	Soil	8	12	0.10	59	0.020	<20	1.39	0.006	0.03	<0.1	0.05	0.7	<0.1	<0.05	4	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 8 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
162231	Soil			4.8	13.0	55.9	127	0.1	7.4	7.3	1295	1.77	11.8	2.5	<0.5	2.3	34	0.7	0.3	0.3	33	0.31	0.050
162232	Soil			1.7	5.1	9.7	86	0.2	4.7	2.8	91	1.11	0.9	0.6	0.6	0.5	31	0.3	0.1	0.1	27	0.22	0.016
162233	Soil			2.0	2.4	10.8	24	<0.1	1.8	1.1	105	0.89	1.0	0.4	<0.5	1.5	7	0.2	0.2	0.2	24	0.05	0.022
162234	Soil			0.7	3.5	26.0	78	<0.1	4.7	2.5	473	1.22	1.8	0.7	5.8	2.2	12	0.3	0.1	0.2	22	0.15	0.090
162235	Soil			0.6	0.8	20.2	26	<0.1	1.2	0.8	72	0.74	<0.5	0.4	<0.5	2.2	6	0.1	0.1	0.2	17	0.06	0.036
162236	Soil			0.4	1.4	25.2	27	<0.1	1.5	0.7	93	0.50	<0.5	0.5	<0.5	1.9	6	0.2	<0.1	0.4	10	0.05	0.085
162237	Soil			7.4	4.3	16.8	49	0.2	5.0	2.4	1242	0.79	3.9	1.8	0.9	0.7	89	0.3	0.2	0.3	16	0.47	0.023
162238	Soil			1.3	1.8	8.0	16	0.1	1.7	0.6	54	0.40	0.6	0.3	<0.5	0.3	6	0.1	0.2	0.2	12	0.06	0.013
162239	Soil			1.0	5.8	10.1	67	0.1	5.5	3.9	138	1.88	2.8	0.6	0.6	2.0	8	0.2	0.2	0.1	40	0.10	0.106
162240	Soil			0.7	1.9	10.8	17	<0.1	1.6	0.7	37	0.69	<0.5	0.3	<0.5	0.8	7	0.2	<0.1	0.2	18	0.06	0.028
162241	Soil			0.8	4.0	14.4	63	<0.1	4.6	2.9	108	1.78	2.5	0.6	<0.5	2.0	15	0.2	0.2	0.2	34	0.13	0.123
162242	Soil			0.8	1.8	10.3	30	<0.1	2.5	1.1	83	0.84	0.7	0.4	0.8	0.7	8	0.1	<0.1	0.2	19	0.09	0.068
162243	Soil			0.4	2.0	9.4	26	<0.1	1.8	1.0	216	0.79	0.9	0.4	0.6	1.3	7	0.1	0.1	0.2	17	0.10	0.063
162244	Soil			0.7	2.6	7.7	27	0.1	2.4	0.9	66	0.65	1.3	0.3	0.7	1.3	5	<0.1	0.4	0.2	16	0.04	0.040
162245	Soil			0.7	2.2	8.0	24	<0.1	2.2	1.1	186	0.89	1.2	0.4	<0.5	0.7	5	0.2	0.2	0.2	19	0.05	0.064
162246	Soil			1.3	5.2	22.5	75	0.4	3.3	2.8	258	1.69	8.8	0.8	0.6	4.0	6	0.3	0.2	0.3	29	0.06	0.473
162247	Soil			0.5	1.5	5.7	18	0.1	1.9	1.0	85	0.62	<0.5	0.3	16.6	0.3	4	<0.1	0.1	0.2	21	0.03	0.017
162248	Soil			0.5	0.9	9.2	10	<0.1	1.5	0.5	25	0.44	1.3	0.3	0.6	1.8	3	<0.1	<0.1	0.3	14	0.02	0.014
162249	Soil			1.3	5.3	18.8	39	0.1	4.9	3.7	727	1.30	4.4	1.0	<0.5	0.8	34	0.2	0.2	0.2	32	0.29	0.022
162250	Soil			1.8	3.5	15.4	32	0.2	3.7	2.0	77	1.12	3.1	0.6	<0.5	1.3	7	0.2	0.2	0.2	31	0.05	0.025
162251	Soil			1.7	17.0	5.0	31	<0.1	5.0	3.1	75	1.36	1.1	0.3	0.5	0.6	6	<0.1	0.1	0.1	42	0.04	0.029
162252	Soil			2.0	3.2	23.0	27	0.1	2.9	1.3	71	0.95	3.6	0.5	0.5	1.6	8	<0.1	0.2	0.2	28	0.07	0.016
162253	Soil			0.8	3.9	21.4	39	<0.1	3.3	1.5	292	1.01	1.2	0.5	11.8	1.5	6	<0.1	0.4	0.3	30	0.04	0.021
162254	Soil			0.8	4.6	13.6	45	0.1	3.9	2.1	105	1.51	2.8	0.6	<0.5	2.5	7	0.1	0.2	0.2	34	0.06	0.082
162255	Soil			0.7	2.7	10.9	23	<0.1	2.3	1.2	74	1.05	2.1	0.6	0.6	2.4	5	<0.1	0.1	0.2	27	0.05	0.063
162256	Soil			1.2	4.7	50.3	64	0.4	3.1	2.0	81	1.68	5.4	0.8	<0.5	2.7	6	<0.1	0.2	0.2	33	0.06	0.195
162257	Soil			0.6	3.4	11.5	18	0.1	2.3	1.2	59	0.97	1.2	0.4	<0.5	1.5	8	<0.1	0.1	0.2	35	0.08	0.019
162258	Soil			0.8	9.9	9.0	31	0.3	5.3	3.0	103	2.26	2.2	0.5	0.8	1.2	11	<0.1	0.2	0.1	76	0.09	0.017
162259	Soil			0.5	8.9	7.4	23	<0.1	3.3	2.3	101	1.56	2.0	0.3	<0.5	1.1	8	<0.1	0.2	0.1	57	0.08	0.028
162260	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 8 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
162231	Soil	10	17	0.18	173	0.012	<20	1.58	0.006	0.10	<0.1	0.06	1.5	0.1	<0.05	4	<0.5	<0.2
162232	Soil	8	8	0.11	104	0.034	<20	0.67	0.007	0.03	<0.1	0.02	0.6	<0.1	<0.05	3	<0.5	<0.2
162233	Soil	12	8	0.03	32	0.043	<20	0.40	0.005	0.03	<0.1	0.01	0.5	<0.1	<0.05	2	<0.5	<0.2
162234	Soil	11	9	0.12	73	0.029	<20	1.22	0.005	0.06	<0.1	0.04	0.9	<0.1	<0.05	4	<0.5	<0.2
162235	Soil	11	5	0.03	39	0.028	<20	0.52	0.004	0.04	<0.1	0.01	0.5	<0.1	<0.05	3	<0.5	0.2
162236	Soil	14	5	0.03	54	0.017	<20	0.83	0.005	0.03	<0.1	0.03	0.4	<0.1	<0.05	3	<0.5	<0.2
162237	Soil	10	10	0.10	164	0.012	<20	0.77	0.007	0.05	<0.1	0.05	0.8	<0.1	<0.05	2	<0.5	<0.2
162238	Soil	12	5	0.02	30	0.016	<20	0.38	0.005	0.04	<0.1	0.02	0.2	<0.1	<0.05	2	<0.5	<0.2
162239	Soil	9	14	0.12	75	0.046	<20	1.61	0.007	0.04	<0.1	0.05	1.2	<0.1	<0.05	3	<0.5	<0.2
162240	Soil	10	6	0.02	20	0.060	<20	0.39	0.006	0.04	<0.1	0.01	0.5	<0.1	<0.05	4	<0.5	<0.2
162241	Soil	9	10	0.15	81	0.039	<20	1.39	0.007	0.04	<0.1	0.04	1.3	<0.1	<0.05	4	<0.5	<0.2
162242	Soil	10	8	0.04	49	0.035	<20	0.65	0.007	0.03	<0.1	0.03	0.6	<0.1	<0.05	3	<0.5	<0.2
162243	Soil	13	7	0.03	45	0.026	<20	0.54	0.006	0.05	<0.1	0.02	0.4	<0.1	<0.05	3	<0.5	<0.2
162244	Soil	11	7	0.03	68	0.009	<20	0.84	0.005	0.04	<0.1	0.03	0.4	<0.1	<0.05	3	<0.5	<0.2
162245	Soil	11	8	0.04	73	0.013	<20	0.93	0.005	0.04	<0.1	0.03	0.5	0.1	<0.05	3	<0.5	<0.2
162246	Soil	11	10	0.07	92	0.011	<20	3.86	0.006	0.05	<0.1	0.09	1.1	0.1	<0.05	6	0.5	<0.2
162247	Soil	12	6	0.01	48	0.033	<20	0.49	0.006	0.03	<0.1	0.02	0.2	0.1	<0.05	2	<0.5	<0.2
162248	Soil	12	5	0.01	29	0.022	<20	0.49	0.005	0.03	<0.1	0.01	0.3	0.1	<0.05	2	<0.5	<0.2
162249	Soil	15	11	0.17	191	0.016	<20	1.13	0.008	0.05	<0.1	0.02	1.0	<0.1	<0.05	3	<0.5	<0.2
162250	Soil	9	11	0.09	71	0.029	<20	1.21	0.006	0.04	<0.1	0.03	0.7	<0.1	<0.05	4	<0.5	0.3
162251	Soil	5	9	0.08	30	0.047	<20	0.52	0.007	0.02	<0.1	0.02	0.8	<0.1	<0.05	4	<0.5	<0.2
162252	Soil	10	8	0.06	59	0.049	<20	0.67	0.009	0.04	<0.1	0.02	0.7	<0.1	<0.05	4	<0.5	<0.2
162253	Soil	11	9	0.05	54	0.048	<20	0.55	0.009	0.04	<0.1	0.01	0.5	<0.1	<0.05	4	<0.5	<0.2
162254	Soil	10	10	0.11	49	0.044	<20	1.26	0.009	0.04	<0.1	0.04	1.2	<0.1	<0.05	6	0.6	<0.2
162255	Soil	12	8	0.05	45	0.029	<20	1.20	0.008	0.04	<0.1	0.02	0.7	0.1	<0.05	5	<0.5	<0.2
162256	Soil	10	11	0.08	68	0.017	<20	2.58	0.010	0.04	<0.1	0.10	1.4	0.1	<0.05	5	<0.5	<0.2
162257	Soil	10	8	0.04	35	0.058	<20	0.53	0.006	0.04	<0.1	0.01	0.7	<0.1	<0.05	4	<0.5	<0.2
162258	Soil	7	18	0.11	52	0.083	<20	0.96	0.006	0.03	<0.1	0.03	1.4	<0.1	<0.05	7	<0.5	<0.2
162259	Soil	8	8	0.11	35	0.047	<20	0.76	0.005	0.04	<0.1	0.02	1.3	<0.1	<0.05	5	0.5	<0.2
162260	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 9 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
162261	Soil	0.6	11.1	9.2	69	0.3	8.9	5.9	177	2.80	4.3	0.5	0.6	2.3	7	0.2	0.2	<0.1	64	0.10	0.191
162262	Soil	0.9	27.0	7.1	67	0.7	7.9	7.4	164	4.61	10.1	0.4	0.8	1.7	7	<0.1	0.3	0.1	108	0.10	0.265
162263	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162264	Soil	0.5	2.8	13.0	23	<0.1	2.7	1.6	100	1.18	1.7	0.4	<0.5	1.2	7	<0.1	<0.1	0.2	35	0.06	0.040
162265	Soil	1.3	5.1	23.1	33	0.2	4.2	1.8	333	1.13	1.6	0.6	<0.5	1.5	11	<0.1	0.2	0.3	31	0.07	0.033
162266	Soil	1.6	6.1	20.3	92	0.4	8.0	4.7	599	2.22	11.6	1.0	<0.5	2.1	18	0.2	0.2	0.3	42	0.08	0.228
162267	Soil	0.7	4.5	14.5	39	<0.1	6.8	3.3	124	2.21	4.5	0.6	<0.5	2.3	9	<0.1	0.2	0.2	49	0.09	0.127
162268	Soil	0.6	2.9	14.1	24	<0.1	3.2	1.3	83	1.21	2.2	0.4	<0.5	1.6	9	<0.1	0.2	0.3	31	0.09	0.051
162269	Soil	2.4	5.2	44.3	108	<0.1	5.6	3.0	179	2.23	3.9	0.5	<0.5	0.1	11	0.3	0.3	0.2	58	0.10	0.051
162270	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162271	Soil	1.2	5.1	19.0	58	0.2	6.0	3.3	118	2.09	2.9	0.5	0.5	1.3	8	0.2	0.1	0.2	42	0.09	0.242
162272	Soil	1.5	2.1	15.6	19	<0.1	2.1	0.9	55	0.89	0.5	0.5	<0.5	1.6	9	<0.1	0.2	0.2	27	0.07	0.009
162273	Soil	0.8	3.6	19.7	160	0.1	6.1	2.7	170	1.52	1.9	0.9	0.5	2.3	20	0.5	0.1	0.2	29	0.16	0.127
162274	Soil	0.9	3.1	22.8	62	<0.1	3.8	2.1	449	1.22	1.2	0.6	<0.5	2.5	8	0.2	0.1	0.2	26	0.08	0.099
162275	Soil	0.6	2.6	32.7	117	<0.1	3.7	1.3	716	0.72	0.8	0.9	<0.5	2.0	14	0.5	<0.1	0.3	16	0.13	0.056
162276	Soil	1.1	3.3	18.3	89	0.2	4.1	2.1	645	1.06	1.6	0.7	<0.5	0.4	11	0.3	0.1	0.2	23	0.08	0.084
162277	Soil	1.1	3.9	27.4	68	0.3	5.0	1.7	143	1.55	2.2	0.9	<0.5	3.5	7	0.1	0.1	0.4	28	0.07	0.294
162278	Soil	2.2	4.6	15.0	51	<0.1	7.7	2.7	537	1.51	2.2	0.7	<0.5	2.7	9	<0.1	0.2	0.2	34	0.08	0.042
162279	Soil	1.4	2.5	9.7	25	<0.1	4.7	1.0	201	0.73	0.7	0.5	<0.5	0.4	11	0.3	0.1	0.2	19	0.11	0.019
162280	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162281	Soil	0.8	12.4	12.5	50	<0.1	8.6	3.7	371	1.28	0.6	0.5	1.1	1.6	9	0.2	0.1	0.2	27	0.11	0.081
162282	Soil	0.8	1.7	8.0	19	<0.1	2.9	0.9	61	0.69	<0.5	0.5	<0.5	1.6	7	0.2	<0.1	0.2	17	0.06	0.018
162283	Soil	1.2	7.0	17.1	91	0.1	10.3	5.0	180	2.78	2.9	0.6	<0.5	2.5	11	0.2	0.2	0.2	61	0.12	0.183
162284	Soil	0.6	3.0	18.0	58	0.1	4.4	1.6	141	0.91	0.9	0.6	<0.5	1.9	8	<0.1	0.1	0.3	22	0.09	0.031
162285	Soil	1.1	2.1	14.8	24	<0.1	5.9	1.5	156	0.70	1.4	0.8	<0.5	2.1	7	<0.1	<0.1	0.2	15	0.06	0.027
162286	Soil	0.8	1.1	9.2	16	<0.1	1.9	0.4	43	0.42	0.6	0.5	<0.5	2.5	5	0.1	0.1	0.2	10	0.04	0.014
162287	Soil	0.7	2.1	12.4	20	<0.1	3.6	1.0	56	0.74	1.2	0.5	9.1	2.6	5	<0.1	<0.1	0.2	20	0.05	0.026
162288	Soil	0.7	1.7	5.1	13	<0.1	2.8	0.6	37	0.54	0.8	0.4	<0.5	0.5	4	<0.1	0.1	0.2	16	0.02	0.011
162289	Soil	0.9	2.8	13.3	21	0.2	4.9	1.1	58	1.13	3.4	0.7	<0.5	2.0	4	<0.1	0.2	0.4	24	0.03	0.094
162290	Soil	0.5	0.9	5.3	7	<0.1	2.3	0.4	32	0.45	1.3	0.4	<0.5	1.3	3	<0.1	0.1	0.1	15	0.02	0.013



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 9 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
162261	Soil	7	17	0.23	63	0.038	<20	2.72	0.006	0.04	<0.1	0.07	2.0	<0.1	<0.05	5	<0.5	<0.2
162262	Soil	7	16	0.35	53	0.013	<20	2.86	0.006	0.04	<0.1	0.09	3.1	<0.1	<0.05	9	<0.5	<0.2
162263	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162264	Soil	9	9	0.07	39	0.048	<20	0.79	0.006	0.03	<0.1	0.02	0.8	0.1	<0.05	5	<0.5	<0.2
162265	Soil	11	12	0.07	51	0.052	<20	0.77	0.007	0.05	<0.1	0.02	0.9	0.1	<0.05	5	<0.5	<0.2
162266	Soil	10	17	0.16	83	0.016	<20	2.75	0.007	0.06	<0.1	0.10	1.5	0.2	<0.05	9	<0.5	<0.2
162267	Soil	8	16	0.15	51	0.081	<20	1.47	0.014	0.04	<0.1	0.05	1.3	<0.1	<0.05	6	<0.5	<0.2
162268	Soil	9	9	0.05	24	0.057	<20	0.91	0.006	0.04	<0.1	0.03	0.8	<0.1	<0.05	5	0.6	<0.2
162269	Soil	7	13	0.14	47	0.061	<20	1.01	0.008	0.04	<0.1	0.03	0.7	<0.1	<0.05	6	<0.5	<0.2
162270	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162271	Soil	8	11	0.16	61	0.049	<20	1.87	0.012	0.04	<0.1	0.07	1.3	<0.1	<0.05	6	<0.5	<0.2
162272	Soil	10	8	0.02	36	0.063	<20	0.37	0.016	0.04	<0.1	0.01	0.6	<0.1	<0.05	3	<0.5	<0.2
162273	Soil	12	11	0.15	117	0.030	<20	1.47	0.013	0.07	<0.1	0.04	1.2	<0.1	<0.05	5	<0.5	<0.2
162274	Soil	12	10	0.08	62	0.034	<20	0.94	0.007	0.05	<0.1	0.03	1.0	0.1	<0.05	4	<0.5	<0.2
162275	Soil	19	7	0.07	122	0.015	<20	0.90	0.006	0.08	<0.1	0.03	0.8	0.1	<0.05	3	<0.5	<0.2
162276	Soil	17	10	0.07	98	0.021	<20	1.31	0.007	0.06	<0.1	0.03	0.7	0.2	<0.05	5	<0.5	<0.2
162277	Soil	12	11	0.09	80	0.019	<20	1.99	0.008	0.06	<0.1	0.08	1.1	0.1	<0.05	6	<0.5	<0.2
162278	Soil	12	13	0.13	76	0.047	<20	0.97	0.012	0.06	<0.1	0.03	1.2	0.1	<0.05	4	<0.5	<0.2
162279	Soil	12	9	0.03	58	0.032	<20	0.46	0.010	0.04	<0.1	0.03	0.5	<0.1	<0.05	3	<0.5	<0.2
162280	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162281	Soil	11	24	0.06	62	0.036	<20	0.95	0.007	0.06	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
162282	Soil	14	7	0.03	46	0.033	<20	0.50	0.007	0.05	<0.1	0.02	0.4	0.1	<0.05	3	<0.5	<0.2
162283	Soil	9	21	0.19	96	0.062	<20	1.90	0.009	0.07	<0.1	0.04	2.1	<0.1	<0.05	7	<0.5	<0.2
162284	Soil	12	9	0.08	56	0.041	<20	0.69	0.008	0.04	<0.1	0.02	0.9	<0.1	<0.05	3	<0.5	<0.2
162285	Soil	19	8	0.06	89	0.010	<20	0.82	0.007	0.07	<0.1	0.03	0.5	<0.1	<0.05	2	<0.5	<0.2
162286	Soil	15	4	0.02	51	0.016	<20	0.57	0.005	0.05	<0.1	<0.01	0.4	0.1	<0.05	2	<0.5	<0.2
162287	Soil	14	8	0.03	34	0.045	<20	0.58	0.006	0.05	<0.1	0.02	0.4	<0.1	<0.05	3	<0.5	<0.2
162288	Soil	14	7	0.02	29	0.015	<20	0.51	0.006	0.04	<0.1	0.01	0.4	0.1	<0.05	3	<0.5	<0.2
162289	Soil	14	11	0.04	45	0.020	<20	1.08	0.006	0.04	<0.1	0.05	0.6	0.2	<0.05	5	<0.5	<0.2
162290	Soil	11	5	0.01	37	0.019	<20	0.61	0.006	0.03	<0.1	0.02	0.2	0.1	0.11	2	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 10 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
162291	Soil			0.6	1.7	2.9	11	<0.1	4.0	0.5	41	0.53	1.3	0.3	<0.5	0.4	4	<0.1	0.1	0.1	17	0.03	0.014
162292	Soil			1.0	3.3	11.4	27	<0.1	4.2	2.5	330	1.18	4.7	0.5	0.6	1.3	5	<0.1	0.3	0.2	29	0.05	0.057
162293	Soil			1.0	1.3	17.4	10	<0.1	4.6	0.6	50	0.53	1.0	0.3	<0.5	0.6	4	<0.1	0.1	0.1	17	0.03	0.013
162294	Soil			1.0	2.9	14.9	36	0.1	3.2	1.4	78	1.66	3.2	0.5	17.9	2.4	4	0.1	0.2	0.2	33	0.03	0.149
162295	Soil			0.9	2.7	19.7	49	0.3	3.2	1.3	57	1.29	2.8	0.6	<0.5	2.6	4	0.1	0.1	0.3	29	0.04	0.093
162296	Soil			1.1	25.5	13.6	42	0.3	8.0	7.0	178	3.35	4.9	0.3	<0.5	1.3	7	<0.1	0.5	0.1	86	0.10	0.134
162297	Soil			0.8	3.5	16.6	22	0.2	3.7	1.1	43	1.18	3.1	0.3	<0.5	1.0	5	<0.1	0.1	0.2	39	0.05	0.059
162298	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162299	Soil			1.0	24.4	12.6	38	0.3	9.7	7.6	167	3.00	7.1	0.5	<0.5	2.2	9	<0.1	0.3	0.1	74	0.11	0.069
162300	Soil			0.7	9.2	3.0	15	0.1	3.7	3.1	44	1.17	1.4	0.1	1.7	0.4	4	<0.1	0.2	<0.1	72	0.03	0.027
162301	Soil			1.3	2.8	13.7	21	<0.1	2.9	1.2	42	0.53	2.4	0.6	<0.5	1.5	11	<0.1	0.2	0.2	14	0.06	0.030
162302	Soil			1.1	5.8	13.4	58	0.3	4.8	3.1	167	2.09	5.7	0.9	<0.5	1.9	13	0.1	0.2	0.2	40	0.06	0.292
162303	Soil			1.4	6.9	15.4	58	0.1	8.7	7.2	227	2.89	38.4	1.0	0.7	2.9	19	<0.1	0.4	0.2	52	0.10	0.253
162304	Soil			1.2	4.3	14.5	59	<0.1	5.5	3.5	598	1.27	5.0	0.8	<0.5	0.9	26	0.1	0.2	0.2	32	0.20	0.026
162305	Soil			4.2	3.3	88.4	116	0.2	21.0	1.3	811	0.56	2.6	0.8	<0.5	1.6	12	0.6	0.2	0.4	10	0.12	0.038
162306	Soil			1.9	1.9	11.2	21	<0.1	6.7	1.2	69	0.67	0.9	0.3	<0.5	1.1	7	<0.1	0.1	0.1	21	0.05	0.015
162307	Soil			1.4	3.2	10.3	29	0.1	3.6	1.9	100	1.18	2.1	0.4	<0.5	1.2	10	0.1	0.1	0.2	38	0.10	0.027
162308	Soil			2.3	8.5	19.7	97	0.2	7.3	3.6	667	1.07	8.7	21.3	<0.5	0.5	82	0.7	0.2	0.2	25	0.58	0.054
162309	Soil			1.7	2.9	18.2	44	<0.1	3.2	1.9	164	1.02	1.5	0.6	0.7	1.6	7	0.3	0.2	0.2	25	0.06	0.053
162310	Soil			1.0	1.9	9.6	12	<0.1	2.3	0.7	39	0.57	0.6	0.4	<0.5	0.9	5	<0.1	0.1	0.2	19	0.04	0.011
162311	Soil			1.2	2.3	13.6	21	<0.1	2.3	1.0	56	0.85	0.7	0.4	<0.5	1.3	7	0.2	0.2	0.2	23	0.05	0.012
162312	Soil			3.4	15.3	76.0	140	0.3	16.9	6.0	1058	2.03	18.7	35.2	<0.5	3.0	30	0.6	0.2	0.5	36	0.21	0.029
162313	Soil			1.0	1.0	4.8	31	<0.1	1.9	0.3	20	0.23	0.5	0.5	<0.5	1.4	4	<0.1	<0.1	0.2	4	0.02	0.012
162314	Soil			1.1	2.3	7.8	40	0.1	2.2	1.3	210	0.65	0.7	0.4	<0.5	0.3	6	0.2	0.1	0.2	19	0.04	0.030
162315	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162316	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162317	Soil			0.8	2.8	11.9	69	<0.1	4.2	2.3	150	0.93	1.2	0.5	<0.5	1.2	15	0.1	0.1	0.3	22	0.20	0.081
162318	Soil			0.6	1.2	7.0	19	<0.1	1.9	0.5	193	0.36	0.9	0.4	<0.5	1.0	6	<0.1	<0.1	0.3	9	0.08	0.021
162319	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162320	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 10 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	0.2	
162291	Soil	12	10	0.01	21	0.014	<20	0.40	0.006	0.04	<0.1	0.02	0.1	0.11	3	0.7	<0.2	
162292	Soil	12	10	0.09	71	0.019	<20	1.07	0.006	0.04	<0.1	0.05	0.6	<0.1	0.10	2	0.5	<0.2
162293	Soil	12	11	0.02	21	0.024	<20	0.43	0.006	0.03	<0.1	0.02	0.2	<0.1	0.08	3	<0.5	<0.2
162294	Soil	12	10	0.05	37	0.020	<20	2.44	0.007	0.03	0.1	0.08	0.8	0.1	0.09	6	0.8	<0.2
162295	Soil	11	10	0.06	58	0.013	<20	1.64	0.005	0.03	<0.1	0.07	0.7	0.1	0.05	5	0.7	<0.2
162296	Soil	11	13	0.29	50	0.015	<20	1.42	0.005	0.05	<0.1	0.04	3.4	<0.1	0.06	5	0.5	<0.2
162297	Soil	8	9	0.05	38	0.030	<20	0.77	0.006	0.03	<0.1	0.04	0.7	<0.1	<0.05	5	0.7	<0.2
162298	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162299	Soil	11	15	0.32	100	0.024	<20	2.51	0.007	0.05	<0.1	0.06	3.3	<0.1	0.06	6	0.6	<0.2
162300	Soil	6	7	0.06	32	0.005	<20	0.97	0.006	0.03	<0.1	0.03	0.9	<0.1	0.06	6	0.6	<0.2
162301	Soil	10	7	0.07	62	0.017	<20	0.90	0.007	0.04	<0.1	0.04	0.6	0.1	<0.05	6	0.8	<0.2
162302	Soil	9	16	0.11	64	0.028	<20	2.82	0.007	0.03	<0.1	0.10	1.2	<0.1	<0.05	6	<0.5	<0.2
162303	Soil	9	19	0.19	89	0.024	<20	2.14	0.006	0.05	<0.1	0.06	1.6	0.1	<0.05	5	0.7	<0.2
162304	Soil	9	13	0.18	103	0.040	<20	0.90	0.006	0.04	<0.1	0.02	1.0	0.1	0.06	3	0.7	<0.2
162305	Soil	16	35	0.07	119	0.004	<20	0.91	0.006	0.09	<0.1	0.06	0.6	0.2	0.06	2	0.8	<0.2
162306	Soil	10	16	0.03	32	0.051	<20	0.49	0.007	0.03	<0.1	0.01	0.4	<0.1	<0.05	3	0.6	<0.2
162307	Soil	9	11	0.07	41	0.077	<20	0.53	0.006	0.04	<0.1	0.03	0.6	<0.1	0.05	4	<0.5	<0.2
162308	Soil	16	12	0.13	176	0.022	<20	0.95	0.006	0.07	<0.1	0.06	1.1	<0.1	0.08	3	0.7	<0.2
162309	Soil	12	10	0.07	53	0.029	<20	0.88	0.007	0.04	<0.1	0.03	0.7	<0.1	0.07	4	0.6	<0.2
162310	Soil	10	9	0.02	21	0.038	<20	0.33	0.008	0.02	<0.1	0.02	0.5	<0.1	<0.05	3	<0.5	<0.2
162311	Soil	14	9	0.03	35	0.043	<20	0.42	0.007	0.04	<0.1	0.01	0.5	<0.1	<0.05	3	0.7	<0.2
162312	Soil	72	34	0.22	354	0.007	<20	2.52	0.007	0.12	<0.1	0.06	3.4	0.2	<0.05	5	1.1	<0.2
162313	Soil	23	4	0.02	44	0.003	<20	0.64	0.006	0.08	<0.1	0.02	0.2	0.1	<0.05	2	<0.5	<0.2
162314	Soil	14	6	0.07	57	0.029	<20	0.68	0.007	0.06	<0.1	0.03	0.3	<0.1	<0.05	3	0.6	<0.2
162315	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162316	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162317	Soil	14	9	0.10	108	0.013	<20	1.07	0.008	0.08	<0.1	0.04	0.6	<0.1	<0.05	3	<0.5	<0.2
162318	Soil	12	5	0.03	69	0.006	<20	0.53	0.006	0.07	<0.1	0.04	0.3	<0.1	<0.05	2	<0.5	<0.2
162319	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162320	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 11 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
162321	Soil	0.8	3.7	21.8	66	0.1	4.5	2.5	240	1.19	2.2	0.7	<0.5	0.9	8	0.2	0.2	0.3	24	0.09	0.049
162322	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162323	Soil	0.9	2.6	9.8	20	<0.1	2.7	1.2	56	0.86	1.2	0.4	0.7	1.7	4	<0.1	0.1	0.2	22	0.03	0.043
162324	Soil	1.3	2.6	9.3	32	0.1	4.6	1.3	136	1.02	1.9	0.4	0.5	0.7	3	0.1	0.1	0.3	31	0.03	0.105
162325	Soil	0.8	1.8	6.6	19	<0.1	1.4	0.9	38	0.64	2.1	0.4	<0.5	1.5	3	<0.1	0.2	0.2	15	0.02	0.034
162326	Soil	0.9	2.2	7.0	17	0.1	1.6	0.9	39	0.69	1.7	0.4	<0.5	2.2	3	<0.1	0.2	0.2	16	0.02	0.069
162327	Soil	0.7	3.0	5.3	19	0.1	2.5	0.8	39	0.54	0.8	0.3	<0.5	0.2	3	0.1	0.1	0.1	16	0.02	0.032
162328	Soil	0.7	2.1	5.7	17	<0.1	2.0	0.9	38	0.65	0.8	0.4	<0.5	0.8	4	<0.1	0.3	0.2	18	0.02	0.022
162329	Soil	0.8	1.7	6.8	24	<0.1	1.9	1.1	41	0.87	2.4	0.5	<0.5	2.1	3	<0.1	0.3	0.2	21	0.03	0.030
162330	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162331	Soil	0.5	1.4	11.0	12	<0.1	2.0	0.5	30	0.40	<0.5	0.3	<0.5	0.7	4	<0.1	<0.1	0.2	13	0.03	0.024
162332	Soil	0.7	1.8	5.2	11	<0.1	2.0	0.5	26	0.40	<0.5	0.3	<0.5	0.3	3	<0.1	0.1	0.2	11	0.02	0.013
162333	Soil	0.7	4.4	18.3	38	0.2	3.8	3.2	315	1.68	5.8	0.8	<0.5	2.2	5	0.2	0.2	0.2	33	0.05	0.215
162334	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162335	Soil	0.8	3.6	17.8	44	0.5	3.4	1.9	161	1.24	7.6	0.6	<0.5	2.3	7	<0.1	0.1	0.4	24	0.06	0.138
162336	Soil	0.6	2.3	7.4	21	0.1	1.7	1.1	50	0.90	3.6	0.5	<0.5	1.5	5	0.1	0.2	0.2	21	0.03	0.055
162337	Soil	0.7	3.6	13.0	33	0.2	3.7	1.8	63	1.56	5.5	0.6	<0.5	1.9	5	<0.1	0.2	0.2	33	0.04	0.115
162338	Soil	0.8	3.4	16.3	29	0.2	3.7	1.9	84	2.09	10.3	0.7	<0.5	2.7	5	0.1	0.2	0.2	51	0.05	0.082
162339	Soil	0.6	2.7	12.6	24	0.1	2.9	1.6	92	1.16	3.3	0.4	0.6	1.3	4	<0.1	0.2	0.1	27	0.04	0.065
162340	Soil	0.4	3.1	18.5	24	0.2	2.1	1.2	157	0.96	3.3	0.4	<0.5	1.4	5	<0.1	0.1	0.2	21	0.04	0.118
162341	Soil	0.4	2.4	9.2	18	<0.1	2.1	1.2	55	0.93	1.8	0.3	0.7	0.9	4	<0.1	<0.1	0.2	24	0.04	0.062
162342	Soil	0.5	5.4	10.8	27	<0.1	4.3	2.4	72	1.14	3.2	0.4	0.5	1.1	10	<0.1	0.2	<0.1	28	0.10	0.035
162343	Soil	0.3	1.8	11.0	15	<0.1	2.6	1.4	39	0.91	2.0	0.3	<0.5	0.4	4	<0.1	<0.1	<0.1	27	0.03	0.032
162344	Soil	1.2	4.4	13.4	38	<0.1	8.1	2.8	465	1.04	2.7	0.9	<0.5	0.7	18	0.1	0.2	0.2	22	0.16	0.036
162345	Soil	0.6	3.7	7.9	23	<0.1	5.6	2.6	122	1.49	2.9	0.4	0.7	1.3	7	<0.1	0.2	0.1	36	0.10	0.099
162346	Soil	1.0	2.2	9.8	24	<0.1	4.4	1.6	286	0.90	1.0	0.4	<0.5	0.3	9	<0.1	<0.1	0.2	21	0.10	0.045
162347	Soil	1.4	1.8	15.5	50	<0.1	5.4	2.5	1005	0.76	0.7	0.4	<0.5	0.5	16	0.3	<0.1	0.2	16	0.14	0.046
162348	Soil	1.3	3.3	12.5	42	<0.1	7.8	2.6	134	0.98	0.8	0.3	<0.5	0.5	12	<0.1	0.1	0.1	24	0.10	0.040
162349	Soil	0.8	2.2	13.0	22	<0.1	2.0	0.6	54	0.48	0.5	0.3	<0.5	0.9	6	<0.1	0.1	0.2	14	0.07	0.015
162350	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 11 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792A.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
162321	Soil	14	10	0.14	108	0.017	<20	1.22	0.006	0.04	<0.1	0.04	0.7	<0.1	<0.05	3	<0.5	<0.2
162322	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162323	Soil	14	9	0.05	42	0.018	<20	0.94	0.004	0.04	<0.1	0.02	0.4	0.2	<0.05	3	<0.5	<0.2
162324	Soil	14	10	0.05	47	0.032	<20	1.01	0.006	0.04	<0.1	0.04	0.5	0.1	<0.05	4	0.5	<0.2
162325	Soil	14	5	0.02	44	0.010	<20	0.99	0.004	0.03	<0.1	0.03	0.4	0.1	<0.05	3	<0.5	<0.2
162326	Soil	14	6	0.03	53	0.010	<20	0.97	0.006	0.03	<0.1	0.04	0.3	0.2	<0.05	3	0.7	<0.2
162327	Soil	11	7	0.02	51	0.005	<20	0.75	0.005	0.04	<0.1	0.03	<0.1	0.1	<0.05	3	<0.5	<0.2
162328	Soil	12	6	0.02	38	0.017	<20	0.63	0.006	0.03	<0.1	0.02	0.3	<0.1	<0.05	3	<0.5	<0.2
162329	Soil	13	6	0.03	35	0.024	<20	0.76	0.004	0.03	<0.1	0.02	0.3	<0.1	<0.05	4	<0.5	<0.2
162330	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162331	Soil	12	5	0.02	26	0.039	<20	0.55	0.006	0.03	<0.1	0.02	0.2	<0.1	<0.05	4	<0.5	<0.2
162332	Soil	12	6	0.01	22	0.015	<20	0.44	0.007	0.03	<0.1	0.02	0.1	0.1	<0.05	3	<0.5	<0.2
162333	Soil	9	11	0.10	42	0.034	<20	2.25	0.007	0.03	<0.1	0.06	1.0	<0.1	<0.05	5	<0.5	<0.2
162334	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162335	Soil	10	9	0.09	80	0.018	<20	2.04	0.007	0.05	<0.1	0.04	1.0	0.1	<0.05	5	<0.5	<0.2
162336	Soil	9	6	0.05	39	0.017	<20	1.28	0.005	0.03	<0.1	0.03	0.6	0.1	<0.05	4	<0.5	<0.2
162337	Soil	9	11	0.06	42	0.028	<20	2.11	0.006	0.03	<0.1	0.03	1.0	<0.1	<0.05	5	<0.5	<0.2
162338	Soil	9	14	0.08	34	0.040	<20	1.57	0.006	0.03	<0.1	0.05	0.9	<0.1	<0.05	6	<0.5	<0.2
162339	Soil	8	8	0.07	43	0.027	<20	1.03	0.006	0.02	<0.1	0.04	0.8	<0.1	<0.05	4	<0.5	<0.2
162340	Soil	8	7	0.05	47	0.025	<20	1.50	0.007	0.03	<0.1	0.05	1.1	<0.1	<0.05	5	<0.5	<0.2
162341	Soil	7	6	0.05	35	0.035	<20	0.86	0.005	0.02	<0.1	0.02	0.7	<0.1	<0.05	4	<0.5	<0.2
162342	Soil	8	11	0.10	65	0.032	<20	1.05	0.006	0.02	<0.1	0.03	1.1	<0.1	<0.05	3	<0.5	<0.2
162343	Soil	7	9	0.05	47	0.031	<20	0.85	0.006	0.02	<0.1	0.03	0.7	<0.1	<0.05	3	<0.5	<0.2
162344	Soil	8	12	0.13	73	0.029	<20	0.85	0.007	0.04	<0.1	0.05	1.0	<0.1	<0.05	4	<0.5	<0.2
162345	Soil	6	12	0.11	36	0.058	<20	0.64	0.006	0.03	<0.1	0.03	0.8	<0.1	<0.05	3	<0.5	<0.2
162346	Soil	8	8	0.06	48	0.032	<20	0.53	0.007	0.03	<0.1	0.03	0.6	<0.1	<0.05	2	<0.5	<0.2
162347	Soil	11	7	0.08	115	0.016	<20	0.78	0.006	0.06	<0.1	0.03	0.6	<0.1	<0.05	3	<0.5	<0.2
162348	Soil	8	12	0.13	94	0.045	<20	0.60	0.009	0.04	<0.1	0.04	0.7	<0.1	<0.05	3	<0.5	<0.2
162349	Soil	10	4	0.03	28	0.031	<20	0.29	0.005	0.04	<0.1	0.02	0.6	<0.1	<0.05	2	<0.5	<0.2
162350	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water

Report Date: December 01, 2010

Page: 1 of 3 Part 1

QUALITY CONTROL REPORT

SMI10000792A.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																							
162057	Soil			1.1	5.0	17.1	44	0.1	6.0	2.5	207	3.66	12.6	0.6	1.4	0.9	8	0.2	0.6	0.2	81	0.05	0.112
REP 162057	QC			1.3	4.6	17.0	44	0.1	6.1	2.7	216	3.74	12.7	0.8	1.4	1.6	9	0.2	0.6	0.2	83	0.05	0.112
162070	Soil			1.3	5.2	13.2	60	0.1	9.3	2.1	492	0.97	3.3	0.4	1.7	1.9	14	0.1	0.2	0.2	25	0.09	0.046
REP 162070	QC			1.3	4.7	13.0	56	0.1	8.1	2.3	462	0.99	3.9	0.5	<0.5	2.0	14	<0.1	0.2	0.2	25	0.09	0.042
162095	Soil			1.5	8.8	11.2	79	0.4	15.8	5.0	280	2.83	11.6	0.6	<0.5	1.7	11	0.4	1.0	0.3	51	0.12	0.097
REP 162095	QC			1.5	9.2	11.1	79	0.4	14.3	4.7	285	2.72	11.5	0.6	<0.5	1.6	11	0.3	0.9	0.2	52	0.12	0.098
162138	Soil			0.5	1.6	5.8	9	<0.1	1.8	0.3	25	0.27	<0.5	0.3	0.6	0.3	4	<0.1	<0.1	0.1	9	0.02	0.012
REP 162138	QC			0.6	1.6	5.8	10	<0.1	1.9	0.3	23	0.27	<0.5	0.3	<0.5	0.4	4	<0.1	<0.1	0.1	9	0.02	0.012
162208	Soil			1.2	3.7	16.3	20	0.4	5.5	1.8	69	1.65	7.5	0.5	<0.5	2.4	4	<0.1	0.2	0.2	38	0.04	0.119
REP 162208	QC			1.2	3.7	16.4	21	0.5	5.5	1.9	70	1.64	7.7	0.5	<0.5	2.5	4	<0.1	0.2	0.2	38	0.04	0.126
162217	Soil			1.6	9.1	14.0	40	0.2	7.4	2.8	141	2.89	7.2	0.4	1.4	1.7	6	0.1	0.3	0.2	64	0.07	0.155
REP 162217	QC			1.5	8.8	14.0	41	0.3	6.9	2.8	143	2.85	7.1	0.4	1.1	1.7	5	0.1	0.3	0.2	62	0.07	0.158
162251	Soil			1.7	17.0	5.0	31	<0.1	5.0	3.1	75	1.36	1.1	0.3	0.5	0.6	6	<0.1	0.1	0.1	42	0.04	0.029
REP 162251	QC			1.8	18.0	4.9	32	<0.1	5.3	3.2	77	1.40	1.1	0.3	<0.5	0.6	6	<0.1	<0.1	0.1	42	0.04	0.027
162331	Soil			0.5	1.4	11.0	12	<0.1	2.0	0.5	30	0.40	<0.5	0.3	<0.5	0.7	4	<0.1	<0.1	0.2	13	0.03	0.024
REP 162331	QC			0.4	1.6	10.9	11	<0.1	1.5	0.4	26	0.39	<0.5	0.3	<0.5	0.7	4	<0.1	0.1	0.2	13	0.03	0.024
162341	Soil			0.4	2.4	9.2	18	<0.1	2.1	1.2	55	0.93	1.8	0.3	0.7	0.9	4	<0.1	<0.1	0.2	24	0.04	0.062
REP 162341	QC			0.4	2.5	9.3	19	<0.1	1.9	1.2	57	0.93	1.8	0.3	<0.5	0.9	4	<0.1	0.1	0.2	23	0.03	0.063
Reference Materials																							
STD DS7	Standard			23.3	117.9	78.1	437	1.1	63.1	10.0	666	2.55	54.1	5.5	72.6	4.9	82	6.6	5.9	5.1	89	1.00	0.082
STD DS7	Standard			21.7	112.6	60.6	435	1.1	58.0	9.4	671	2.53	58.9	4.7	91.8	4.0	70	7.2	5.1	4.3	80	0.99	0.078
STD DS7	Standard			22.6	110.7	63.1	414	1.0	57.2	9.8	630	2.42	53.9	4.1	65.4	3.7	70	6.4	5.0	4.2	84	0.90	0.077
STD DS7	Standard			23.3	116.1	61.2	428	1.0	60.1	9.6	616	2.45	56.6	4.5	80.0	4.2	66	6.4	5.2	4.4	85	0.94	0.081
STD DS7	Standard			22.3	114.4	66.2	405	1.0	55.4	9.7	589	2.37	52.3	4.6	151.9	3.8	63	6.2	4.7	4.2	82	0.91	0.081
STD DS7	Standard			19.7	101.9	61.6	388	1.0	54.8	9.1	608	2.37	51.3	3.9	59.1	3.8	61	6.2	4.7	4.2	81	0.86	0.080
STD DS7	Standard			22.8	113.1	80.7	417	1.0	58.2	9.8	646	2.48	56.1	5.6	62.0	5.2	81	6.5	5.5	5.7	87	0.97	0.087
STD DS7	Standard			22.0	117.8	71.3	397	0.9	58.1	9.6	624	2.39	51.9	4.7	51.3	4.7	74	5.8	4.4	4.5	86	0.95	0.075
STD DS7	Standard			21.3	106.1	67.7	396	1.0	58.7	9.0	622	2.30	48.4	4.2	64.3	4.5	62	5.7	5.0	3.8	88	0.85	0.069



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: December 01, 2010

Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

SMI10000792A.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
162057	Soil	6	19	0.12	36	0.052	<20	1.75	0.006	0.03	<0.1	0.06	0.8	<0.1	<0.05	6	<0.5	<0.2
REP 162057	QC	6	19	0.12	35	0.052	<20	1.77	0.006	0.03	<0.1	0.06	0.9	<0.1	<0.05	7	<0.5	<0.2
162070	Soil	10	13	0.07	114	0.007	<20	1.24	0.006	0.04	<0.1	0.04	0.6	0.1	0.07	4	<0.5	<0.2
REP 162070	QC	10	12	0.07	109	0.007	<20	1.22	0.005	0.04	<0.1	0.04	0.7	0.1	<0.05	4	<0.5	<0.2
162095	Soil	12	19	0.10	55	0.030	<20	1.36	0.004	0.03	<0.1	0.05	1.4	0.1	<0.05	6	<0.5	<0.2
REP 162095	QC	10	19	0.10	53	0.030	<20	1.38	0.004	0.03	<0.1	0.04	1.4	0.1	<0.05	6	<0.5	<0.2
162138	Soil	9	4	0.01	22	0.015	<20	0.31	0.007	0.02	<0.1	0.01	0.1	<0.1	<0.05	2	<0.5	<0.2
REP 162138	QC	9	4	0.01	22	0.015	<20	0.32	0.007	0.02	<0.1	0.02	0.2	<0.1	<0.05	3	<0.5	<0.2
162208	Soil	10	12	0.07	47	0.016	<20	1.79	0.006	0.03	<0.1	0.08	0.7	<0.1	<0.05	3	0.7	<0.2
REP 162208	QC	9	12	0.07	52	0.015	<20	1.81	0.006	0.03	0.1	0.07	0.7	<0.1	<0.05	4	<0.5	<0.2
162217	Soil	6	14	0.11	56	0.025	<20	2.08	0.004	0.04	<0.1	0.08	1.2	<0.1	<0.05	6	<0.5	<0.2
REP 162217	QC	6	14	0.11	58	0.025	<20	2.12	0.005	0.04	<0.1	0.08	1.2	<0.1	<0.05	6	<0.5	0.2
162251	Soil	5	9	0.08	30	0.047	<20	0.52	0.007	0.02	<0.1	0.02	0.8	<0.1	<0.05	4	<0.5	<0.2
REP 162251	QC	5	9	0.08	30	0.048	<20	0.53	0.008	0.04	<0.1	0.02	1.0	<0.1	<0.05	4	0.6	<0.2
162331	Soil	12	5	0.02	26	0.039	<20	0.55	0.006	0.03	<0.1	0.02	0.2	<0.1	<0.05	4	<0.5	<0.2
REP 162331	QC	10	5	0.02	24	0.036	<20	0.53	0.006	0.02	<0.1	0.01	0.2	0.1	<0.05	4	<0.5	<0.2
162341	Soil	7	6	0.05	35	0.035	<20	0.86	0.005	0.02	<0.1	0.02	0.7	<0.1	<0.05	4	<0.5	<0.2
REP 162341	QC	7	6	0.05	36	0.034	<20	0.85	0.006	0.02	<0.1	0.01	0.7	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	13	214	1.12	435	0.130	42	1.10	0.119	0.53	3.6	0.22	2.6	4.5	0.22	5	3.2	2.2
STD DS7	Standard	12	181	1.06	430	0.106	35	1.06	0.110	0.51	3.5	0.22	2.5	3.9	0.21	5	3.5	1.1
STD DS7	Standard	15	207	1.02	406	0.118	30	0.98	0.097	0.48	3.5	0.21	2.3	4.1	0.26	5	3.8	1.2
STD DS7	Standard	15	203	1.06	422	0.117	29	1.03	0.098	0.48	3.8	0.19	2.4	4.0	0.27	5	4.2	1.2
STD DS7	Standard	15	194	1.03	416	0.110	37	0.96	0.096	0.43	3.6	0.24	2.1	4.3	0.24	5	2.5	1.1
STD DS7	Standard	10	204	1.01	383	0.099	35	0.93	0.088	0.45	3.4	0.20	2.0	3.8	0.20	5	3.1	1.8
STD DS7	Standard	12	200	1.11	441	0.122	40	1.06	0.101	0.47	3.7	0.24	2.1	4.6	0.27	4	3.9	1.5
STD DS7	Standard	12	194	1.08	393	0.124	37	1.04	0.094	0.45	3.2	0.22	2.3	4.2	0.17	5	3.2	1.0
STD DS7	Standard	12	195	0.99	390	0.117	38	0.96	0.082	0.45	3.5	0.22	2.1	4.3	0.26	4	3.7	1.3



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water

Report Date: December 01, 2010

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

SMI10000792A.1

		1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
STD DS7	Standard	19.6	101.0	64.2	377	0.9	50.5	8.2	587	2.24	51.8	4.4	54.6	4.1	70	6.1	5.2	4.5	76	0.86	0.071
STD DS8	Standard	12.8	111.2	115.7	323	1.6	41.0	8.0	665	2.70	30.0	2.4	107.7	5.9	64	2.6	5.0	6.8	43	0.71	0.088
STD DS8	Standard	13.0	117.0	142.3	328	1.8	39.6	7.9	656	2.61	28.8	3.0	166.7	6.7	73	2.8	5.2	8.2	45	0.70	0.088
STD DS8	Standard	14.6	119.0	132.5	325	1.9	41.2	7.9	639	2.56	27.2	3.0	105.7	7.0	66	2.3	5.0	6.9	45	0.69	0.081
STD DS8	Standard	12.2	117.4	121.9	323	1.8	41.8	8.1	610	2.40	26.8	2.2	98.0	6.1	56	2.3	5.1	5.7	44	0.65	0.077
STD DS8	Standard	12.3	115.6	126.3	320	1.7	38.9	7.3	619	2.43	29.2	2.8	105.0	6.5	63	2.5	5.5	6.8	41	0.66	0.081
STD OREAS45PA	Standard	1.0	598.9	20.1	118	0.3	291.1	106.4	1072	16.29	5.0	1.2	52.9	7.0	14	<0.1	0.2	0.2	212	0.23	0.031
STD OREAS45PA	Standard	1.2	703.5	15.7	132	0.3	272.2	101.7	1149	18.25	6.2	1.0	53.4	5.7	15	0.1	0.2	0.2	200	0.25	0.034
STD OREAS45PA	Standard	1.0	558.7	17.3	113	0.3	255.6	102.4	1031	14.95	4.5	1.1	43.9	5.8	12	0.1	0.1	0.2	206	0.23	0.034
STD OREAS45PA	Standard	1.0	555.4	15.7	119	0.3	271.4	105.1	1049	15.26	4.3	1.1	47.6	5.5	12	<0.1	0.2	0.2	198	0.23	0.035
STD OREAS45PA	Standard	1.0	633.3	17.3	124	0.3	309.4	108.7	1107	16.21	4.4	1.0	51.0	5.9	12	<0.1	0.2	0.2	205	0.24	0.034
STD OREAS45PA	Standard	1.1	610.6	17.7	120	0.3	270.3	110.4	1064	15.43	4.4	1.1	49.4	5.7	13	0.1	0.2	0.2	208	0.23	0.033
STD OREAS45PA	Standard	0.9	559.6	17.0	111	0.3	264.3	103.8	1105	16.22	4.1	1.0	38.8	5.7	13	0.1	0.2	0.2	223	0.24	0.034
STD OREAS45PA	Standard	0.8	547.5	20.3	104	0.3	259.4	100.9	1055	15.38	4.2	1.2	41.6	6.9	15	0.1	0.1	0.2	195	0.23	0.032
STD OREAS45PA	Standard	0.9	588.5	18.6	111	0.3	287.4	105.0	1041	15.85	4.1	1.2	43.3	6.6	14	<0.1	0.1	0.2	213	0.23	0.032
STD OREAS45PA	Standard	1.1	613.7	18.4	112	0.3	288.1	105.7	1074	15.90	4.1	1.0	53.9	6.7	12	0.1	0.2	0.2	217	0.21	0.028
STD OREAS45PA	Standard	0.9	534.2	18.2	96	0.3	247.4	89.0	950	15.30	4.5	1.1	50.8	6.6	12	<0.1	0.2	0.2	185	0.21	0.030
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	50	4.9	70	4.4	72	6.4	4.6	4.5	84	0.93	0.08
STD OREAS45PA Expected		0.9	600	19	119	0.3	281	104	1130	16.559	4.2	1.2	43	6	14	0.09	0.13	0.18	221	0.2411	0.034
STD DS8 Expected		12.87	113	126	313	1.71	40.6	7.9	622	2.54	27.73	2.89	99	7.91	70.74	2.35	4.89	6.67	41	0.76	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water

Report Date: December 01, 2010

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

SMI10000792A.1

		1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Ti ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5	1DX Te ppm 0.2
STD DS7	Standard	12	176	0.99	412	0.110	40	0.97	0.105	0.45	3.5	0.22	2.7	4.0	0.18	5	3.3	0.5
STD DS8	Standard	13	117	0.63	288	0.101	<20	0.91	0.092	0.46	2.8	0.18	1.8	5.4	0.17	5	5.9	5.2
STD DS8	Standard	13	125	0.66	315	0.121	<20	0.97	0.092	0.45	3.0	0.22	2.0	5.8	0.21	5	6.4	7.3
STD DS8	Standard	14	123	0.64	310	0.117	<20	0.88	0.083	0.42	2.7	0.20	2.1	5.6	0.17	5	5.2	5.0
STD DS8	Standard	12	118	0.60	257	0.113	<20	0.88	0.076	0.41	2.7	0.22	1.8	5.8	0.18	4	4.9	4.1
STD DS8	Standard	13	113	0.61	295	0.105	<20	0.89	0.095	0.45	2.5	0.20	2.1	5.4	0.16	5	5.4	5.5
STD OREAS45PA	Standard	17	809	0.11	187	0.133	<20	3.16	0.011	0.07	<0.1	0.03	41.1	<0.1	<0.05	16	<0.5	<0.2
STD OREAS45PA	Standard	16	852	0.10	189	0.112	<20	3.19	0.011	0.08	<0.1	0.03	43.3	<0.1	<0.05	20	1.1	<0.2
STD OREAS45PA	Standard	15	744	0.10	172	0.117	<20	2.82	0.011	0.07	<0.1	0.04	36.9	<0.1	<0.05	16	0.6	<0.2
STD OREAS45PA	Standard	19	780	0.09	177	0.114	<20	2.90	0.012	0.08	<0.1	0.03	41.3	<0.1	<0.05	16	0.7	<0.2
STD OREAS45PA	Standard	19	844	0.10	183	0.128	<20	3.09	0.011	0.08	<0.1	0.03	43.0	<0.1	<0.05	17	0.9	<0.2
STD OREAS45PA	Standard	18	817	0.10	184	0.118	<20	2.96	0.011	0.07	<0.1	0.04	41.8	<0.1	<0.05	18	<0.5	<0.2
STD OREAS45PA	Standard	15	828	0.09	180	0.106	<20	2.94	0.010	0.07	<0.1	0.02	35.8	<0.1	<0.05	17	<0.5	<0.2
STD OREAS45PA	Standard	16	705	0.10	192	0.117	<20	2.90	0.010	0.07	<0.1	0.03	36.8	<0.1	<0.05	16	<0.5	<0.2
STD OREAS45PA	Standard	15	784	0.11	170	0.131	<20	3.18	0.013	0.07	<0.1	0.03	39.3	<0.1	<0.05	16	<0.5	<0.2
STD OREAS45PA	Standard	16	872	0.10	173	0.136	<20	3.01	0.010	0.07	<0.1	0.03	40.2	<0.1	<0.05	17	0.5	<0.2
STD OREAS45PA	Standard	15	700	0.09	181	0.111	<20	2.77	0.010	0.07	<0.1	0.03	38.5	<0.1	<0.05	14	<0.5	0.5
STD DS7 Expected		13	192	1.05	410	0.124	39	1.0195	0.089	0.44	3.4	0.21	2.5	4.2	0.19	5	3.5	1.18
STD OREAS45PA Expected		16.2	873	0.095	187	0.124		3.34	0.011	0.0665	0.011	0.03	43	0.07	0.03	16.8	0.54	
STD DS8 Expected		17.2	117.9	0.62	279	0.13	12	0.96	0.09	0.4	3.18	0.192	2.77	5.58	0.17	5	5.9	5.15
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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: UTM Exploration Services Ltd.
Box 3992
Smithers BC V0J 2N0 Canada

Project: West Black Water

Report Date: December 01, 2010

Page: 3 of 3 Part 1

QUALITY CONTROL REPORT

SMI10000792A.1

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



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: UTM Exploration Services Ltd.
Box 3992
Smithers BC V0J 2N0 Canada

Project: West Black Water

Report Date: December 01, 2010

Page: 3 of 3 **Part** 2

QUALITY CONTROL REPORT

SMI10000792A.1

		1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Sc ppm	1DX Tl ppm	1DX S %	1DX Ga ppm	1DX Se ppm	1DX Te ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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

www.acmelab.com

Client: UTM Exploration Services Ltd.
Box 3992
Smithers BC V0J 2N0 Canada

Submitted By: Kyler Hardy
Receiving Lab: Canada-Smithers
Received: November 02, 2010
Report Date: November 26, 2010
Page: 1 of 10

CERTIFICATE OF ANALYSIS

SMI10000792B.1

CLIENT JOB INFORMATION

Project: West Black Water
Shipment ID:
P.O. Number: Blw-01
Number of Samples: 250

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

Invoice To: UTM Exploration Services Ltd.
Box 3992
Smithers BC V0J 2N0
Canada

CC: Mike England
Bob Weicker

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	216	Dry at 60C sieve 100g to -80 mesh			SMI
Dry at 60C	216	Dry at 60C			SMI
RJSV	216	Saving all or part of Soil Reject			SMI
1DX1	216	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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. ** 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:

UTM Exploration Services Ltd.

Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project:

West Black Water

Report Date:

November 26, 2010

Page:

2 of 10 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
162351	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162352	Soil			0.7	9.1	6.6	47	0.1	6.7	4.9	82	1.59	2.7	0.4	1.2	0.8	12	0.1	0.1	0.1	54	0.15	0.023
162353	Soil			1.0	15.0	5.9	31	0.3	5.6	5.1	115	3.93	3.1	0.3	<0.5	1.1	7	0.1	0.1	<0.1	138	0.09	0.136
162354	Soil			0.8	9.9	10.4	60	0.1	6.9	4.5	111	2.16	4.7	0.6	0.7	2.1	6	0.1	0.1	0.1	50	0.08	0.126
162355	Soil			0.7	7.3	8.0	36	0.2	5.3	2.8	71	2.23	3.3	0.4	<0.5	1.8	5	<0.1	0.1	0.1	54	0.05	0.141
162356	Soil			1.4	4.9	30.9	37	0.3	6.3	2.3	123	1.48	4.3	0.6	<0.5	1.1	7	<0.1	0.2	0.2	38	0.06	0.060
162357	Soil			2.2	9.4	24.0	78	0.5	8.2	4.5	171	2.90	14.7	0.9	<0.5	2.8	8	0.1	0.4	0.3	60	0.07	0.229
162358	Soil			1.4	4.6	13.5	77	0.2	5.0	2.7	205	1.38	2.5	0.5	<0.5	1.6	8	<0.1	0.1	0.2	39	0.08	0.058
162359	Soil			1.0	3.5	8.7	32	<0.1	5.0	2.2	247	1.53	4.6	0.5	<0.5	1.8	11	<0.1	0.2	0.2	43	0.10	0.083
162360	Soil			0.9	4.0	10.4	35	<0.1	5.5	2.9	548	1.58	2.3	0.5	<0.5	1.4	7	<0.1	0.2	0.2	39	0.09	0.099
162361	Soil			0.9	5.3	6.3	27	0.2	5.6	1.8	88	1.14	1.1	0.3	<0.5	0.8	7	<0.1	0.1	0.1	30	0.08	0.051
162362	Soil			1.1	3.9	14.2	37	<0.1	3.7	2.0	113	1.35	1.7	0.4	<0.5	1.5	7	<0.1	0.1	0.2	36	0.08	0.047
162363	Soil			1.0	4.5	8.8	36	0.1	4.4	1.7	132	0.99	0.7	0.3	<0.5	0.9	6	<0.1	0.1	0.1	28	0.06	0.063
162364	Soil			1.6	4.2	7.6	31	0.1	3.2	1.4	65	0.65	<0.5	0.2	0.8	0.6	9	<0.1	<0.1	<0.1	25	0.09	0.018
162365	Soil			0.8	2.2	13.5	38	<0.1	4.0	1.1	74	0.52	0.7	0.4	<0.5	0.2	9	0.3	<0.1	0.2	17	0.08	0.020
162366	Soil			1.1	3.1	19.5	30	<0.1	3.6	1.2	68	0.72	0.5	0.6	<0.5	1.5	7	0.3	<0.1	0.2	24	0.07	0.018
162367	Soil			0.8	5.6	30.1	98	<0.1	9.9	4.1	263	1.93	2.1	0.7	<0.5	2.6	11	0.3	0.1	0.2	39	0.20	0.194
162368	Soil			1.6	6.2	28.1	161	<0.1	7.7	5.9	2132	1.82	1.4	0.6	<0.5	1.7	13	0.9	0.1	0.2	50	0.21	0.113
162369	Soil			1.3	3.9	10.0	70	<0.1	6.0	3.3	212	1.62	1.6	0.5	<0.5	1.4	7	0.3	0.1	0.1	37	0.08	0.159
162370	Soil			3.2	4.7	12.0	35	<0.1	5.6	2.5	92	1.51	2.0	0.5	<0.5	1.8	8	<0.1	0.2	0.2	42	0.11	0.032
162371	Soil			0.8	2.2	8.3	20	<0.1	3.0	0.8	71	0.58	<0.5	0.3	<0.5	1.3	6	<0.1	<0.1	0.2	21	0.08	0.020
162372	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162373	Soil			0.9	4.8	10.2	41	<0.1	7.7	3.7	258	1.77	2.0	0.5	<0.5	1.9	7	0.1	0.1	0.2	42	0.09	0.078
162374	Soil			0.9	3.2	12.3	52	<0.1	6.2	2.2	125	1.35	0.9	0.6	<0.5	2.1	8	<0.1	<0.1	0.2	30	0.10	0.142
162375	Soil			0.8	3.5	13.6	46	<0.1	4.6	1.7	133	0.93	1.1	0.6	<0.5	1.7	6	0.1	0.1	0.2	25	0.07	0.067
162376	Soil			1.4	4.7	15.3	91	<0.1	6.9	3.1	267	1.55	1.1	0.6	<0.5	1.6	8	0.1	0.1	0.2	34	0.10	0.262
162377	Soil			1.0	5.5	14.2	56	0.2	5.2	2.5	472	1.38	1.2	0.5	<0.5	0.8	9	0.2	0.1	0.2	31	0.17	0.083
162378	Soil			0.9	2.5	13.1	23	0.1	3.3	1.1	153	0.63	<0.5	0.3	<0.5	0.8	5	<0.1	<0.1	0.2	22	0.05	0.021
162379	Soil			2.6	2.3	23.3	42	<0.1	2.9	1.1	785	0.43	1.0	0.7	<0.5	2.1	6	<0.1	<0.1	0.3	10	0.11	0.063
162380	Soil			1.2	5.6	16.6	43	0.2	5.6	2.1	115	1.83	3.3	0.5	<0.5	2.2	5	<0.1	0.1	0.5	36	0.06	0.132



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: November 26, 2010

Page: 2 of 10 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
162351	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
162352	Soil	7	10	0.20	93	0.016	<20	1.39	0.009	0.02	<0.1	0.04	1.5	<0.1	0.07	5	<0.5	<0.2
162353	Soil	5	15	0.24	41	0.061	<20	2.37	0.003	0.03	<0.1	0.12	2.6	<0.1	0.06	11	<0.5	<0.2
162354	Soil	7	16	0.12	47	0.047	<20	2.73	0.004	0.03	<0.1	0.06	1.6	<0.1	<0.05	4	<0.5	<0.2
162355	Soil	7	15	0.09	43	0.036	<20	3.30	0.004	0.02	<0.1	0.07	1.6	<0.1	<0.05	6	<0.5	<0.2
162356	Soil	8	14	0.06	38	0.054	<20	1.00	0.005	0.04	<0.1	0.04	0.9	0.1	<0.05	6	<0.5	<0.2
162357	Soil	8	19	0.15	55	0.053	<20	2.24	0.005	0.03	0.1	0.08	1.9	0.1	<0.05	9	<0.5	<0.2
162358	Soil	8	16	0.10	89	0.032	<20	1.31	0.004	0.05	<0.1	0.03	1.5	0.1	<0.05	5	<0.5	<0.2
162359	Soil	8	13	0.07	40	0.043	<20	0.93	0.004	0.04	<0.1	0.03	1.0	<0.1	<0.05	5	<0.5	<0.2
162360	Soil	8	12	0.08	38	0.061	<20	0.82	0.005	0.04	<0.1	0.02	0.9	<0.1	<0.05	4	<0.5	<0.2
162361	Soil	7	11	0.08	62	0.063	<20	0.67	0.005	0.03	<0.1	0.02	0.8	<0.1	<0.05	5	<0.5	<0.2
162362	Soil	9	12	0.07	32	0.077	<20	0.64	0.005	0.03	<0.1	0.02	0.9	<0.1	0.06	5	<0.5	<0.2
162363	Soil	9	10	0.06	41	0.042	<20	0.68	0.005	0.03	<0.1	0.03	0.7	<0.1	0.05	5	<0.5	<0.2
162364	Soil	9	6	0.07	64	0.052	<20	0.51	0.004	0.05	<0.1	0.02	0.6	<0.1	0.05	4	<0.5	<0.2
162365	Soil	16	8	0.03	59	0.018	<20	0.70	0.005	0.03	<0.1	0.02	0.4	<0.1	<0.05	3	<0.5	<0.2
162366	Soil	12	9	0.04	34	0.048	<20	0.61	0.004	0.03	<0.1	<0.01	0.7	<0.1	<0.05	3	<0.5	<0.2
162367	Soil	12	17	0.15	72	0.038	<20	1.66	0.007	0.05	<0.1	0.05	1.6	<0.1	<0.05	4	<0.5	<0.2
162368	Soil	8	14	0.15	130	0.167	<20	0.92	0.005	0.09	<0.1	0.08	1.0	0.1	0.08	5	<0.5	<0.2
162369	Soil	8	13	0.11	95	0.049	<20	1.24	0.004	0.03	<0.1	0.02	1.1	<0.1	<0.05	5	<0.5	<0.2
162370	Soil	10	13	0.09	50	0.060	<20	0.75	0.005	0.06	0.2	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
162371	Soil	13	9	0.03	30	0.036	<20	0.46	0.006	0.06	<0.1	0.02	0.6	<0.1	<0.05	2	<0.5	<0.2
162372	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
162373	Soil	11	15	0.11	69	0.048	<20	1.53	0.007	0.04	<0.1	0.03	1.3	<0.1	<0.05	5	<0.5	<0.2
162374	Soil	11	14	0.09	95	0.034	<20	2.01	0.007	0.04	<0.1	0.04	1.1	<0.1	<0.05	5	<0.5	<0.2
162375	Soil	14	10	0.07	67	0.023	<20	1.19	0.005	0.05	<0.1	0.03	0.8	<0.1	<0.05	4	<0.5	<0.2
162376	Soil	10	16	0.11	92	0.031	<20	1.67	0.006	0.04	<0.1	0.05	1.2	<0.1	<0.05	5	<0.5	<0.2
162377	Soil	11	12	0.08	81	0.032	<20	0.96	0.006	0.07	<0.1	0.05	0.8	<0.1	<0.05	4	<0.5	<0.2
162378	Soil	16	10	0.03	47	0.019	<20	0.84	0.004	0.03	<0.1	0.02	0.4	0.1	<0.05	3	<0.5	<0.2
162379	Soil	20	6	0.03	143	0.003	<20	1.12	0.003	0.09	<0.1	0.05	0.3	0.2	<0.05	2	<0.5	<0.2
162380	Soil	12	12	0.09	47	0.018	<20	1.78	0.004	0.05	<0.1	0.06	1.1	0.2	<0.05	6	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: November 26, 2010

Page: 3 of 10 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	0.001
162381	Soil	1.4	3.6	10.9	23	<0.1	3.7	1.3	80	0.88	1.2	0.5	<0.5	1.4	6	<0.1	0.2	0.3	28	0.06	0.022
162382	Soil	1.0	2.0	6.2	16	<0.1	3.2	0.8	44	0.52	0.6	0.5	<0.5	1.0	4	<0.1	0.1	0.2	20	0.04	0.010
162383	Soil	2.1	2.5	9.8	18	<0.1	3.8	1.1	53	0.59	0.7	0.4	<0.5	1.3	5	<0.1	<0.1	0.3	17	0.05	0.011
162384	Soil	1.1	2.7	5.3	19	<0.1	2.6	1.0	43	0.69	1.0	0.5	6.0	1.3	4	<0.1	0.3	0.2	24	0.03	0.011
162385	Soil	1.0	4.4	6.8	27	<0.1	3.1	1.0	37	0.71	0.8	0.5	<0.5	<0.1	7	0.2	0.6	0.1	27	0.07	0.021
162386	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162387	Soil	0.8	2.6	5.1	16	<0.1	3.4	0.9	63	0.64	0.6	0.4	<0.5	0.9	5	<0.1	0.1	0.1	22	0.05	0.016
162388	Soil	0.7	2.9	5.1	14	0.1	2.2	0.7	66	0.61	<0.5	0.4	<0.5	0.5	4	<0.1	<0.1	0.2	21	0.05	0.013
162389	Soil	1.0	3.3	5.1	24	0.1	4.2	1.5	61	1.17	1.6	0.4	2.2	0.8	5	<0.1	0.2	0.1	34	0.03	0.028
162390	Soil	1.8	2.6	16.8	18	0.1	2.7	1.3	61	1.01	0.7	0.4	<0.5	1.4	7	<0.1	0.2	0.2	32	0.06	0.010
162391	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162392	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162393	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162394	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162395	Soil	0.7	2.1	9.5	20	0.1	3.6	0.9	48	0.89	3.2	0.4	6.4	1.3	5	<0.1	0.1	0.2	20	0.04	0.074
162396	Soil	0.7	4.1	13.3	22	<0.1	4.4	2.6	110	1.42	6.8	0.6	<0.5	2.9	6	<0.1	0.2	0.1	32	0.06	0.079
162397	Soil	0.6	4.3	10.6	27	<0.1	5.6	3.1	108	1.43	4.1	0.6	<0.5	2.5	6	<0.1	0.2	0.1	33	0.06	0.060
162398	Soil	0.5	2.0	7.1	14	0.1	2.4	0.8	40	0.73	1.4	0.4	<0.5	1.1	5	<0.1	0.1	0.2	20	0.03	0.020
162399	Soil	0.6	6.0	9.4	39	0.1	6.6	3.9	110	1.80	3.4	0.6	<0.5	2.3	7	0.1	0.2	<0.1	46	0.06	0.080
162400	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162401	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162402	Soil	0.8	5.0	7.5	52	0.1	3.4	1.7	60	1.17	0.7	0.2	<0.5	0.5	17	0.2	<0.1	0.2	26	0.13	0.060
162403	Soil	0.8	3.5	19.1	54	<0.1	3.7	2.1	84	1.26	2.1	0.6	<0.5	1.0	43	0.3	0.2	0.2	29	0.39	0.038
162404	Soil	0.8	4.4	18.9	60	0.3	4.1	2.8	184	1.81	2.6	0.8	0.5	2.5	6	0.2	0.2	0.2	35	0.07	0.218
162405	Soil	0.8	4.5	14.1	59	0.1	4.7	3.0	118	1.88	1.4	0.5	<0.5	1.9	7	0.2	0.2	0.1	40	0.06	0.091
162406	Soil	0.8	2.8	27.4	78	0.3	3.6	2.0	231	1.12	1.5	0.7	<0.5	2.4	8	0.2	0.1	0.2	23	0.07	0.141
162407	Soil	0.9	5.4	19.7	81	0.4	4.5	3.6	170	1.82	3.1	0.8	<0.5	2.8	7	0.3	0.2	0.2	35	0.07	0.202
162408	Soil	0.6	1.9	4.6	15	<0.1	1.6	0.7	43	0.48	0.6	0.4	<0.5	0.6	4	<0.1	0.2	0.2	11	0.02	0.014
162409	Soil	0.6	4.1	8.8	50	<0.1	3.8	3.2	131	1.37	1.9	0.6	<0.5	2.5	6	<0.1	0.1	0.1	28	0.06	0.089
162410	Soil	1.2	3.9	10.5	46	0.1	4.2	2.7	85	1.36	2.3	0.5	<0.5	0.8	9	0.2	0.2	0.2	31	0.08	0.039



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: November 26, 2010

Page: 3 of 10 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
162381	Soil	14	10	0.05	36	0.047	<20	0.82	0.005	0.04	<0.1	0.02	0.7	0.2	<0.05	5	<0.5	<0.2
162382	Soil	13	8	0.02	35	0.033	<20	0.43	0.005	0.04	<0.1	0.01	0.3	0.1	<0.05	3	<0.5	<0.2
162383	Soil	11	8	0.03	38	0.017	<20	0.68	0.004	0.06	<0.1	0.01	0.4	0.1	<0.05	3	<0.5	<0.2
162384	Soil	13	9	0.02	32	0.027	<20	0.47	0.005	0.05	<0.1	0.01	0.3	0.2	<0.05	3	<0.5	<0.2
162385	Soil	11	11	0.03	81	0.007	<20	0.83	0.006	0.04	<0.1	0.02	0.3	<0.1	<0.05	4	<0.5	<0.2
162386	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162387	Soil	13	10	0.02	26	0.025	<20	0.58	0.006	0.03	<0.1	0.02	0.4	0.2	<0.05	4	<0.5	<0.2
162388	Soil	13	7	0.02	34	0.018	<20	0.50	0.005	0.03	<0.1	0.02	0.4	0.2	<0.05	4	<0.5	<0.2
162389	Soil	11	15	0.03	45	0.027	<20	0.84	0.005	0.05	<0.1	0.02	0.6	0.2	<0.05	5	<0.5	<0.2
162390	Soil	7	10	0.05	26	0.095	<20	0.38	0.004	0.03	<0.1	<0.01	0.6	<0.1	0.06	3	<0.5	<0.2
162391	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162392	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162393	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162394	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162395	Soil	8	7	0.03	37	0.017	<20	1.59	0.001	0.03	<0.1	0.03	0.5	0.1	<0.05	4	<0.5	<0.2
162396	Soil	9	12	0.09	47	0.054	<20	1.03	0.003	0.04	<0.1	0.04	0.9	<0.1	<0.05	3	<0.5	<0.2
162397	Soil	9	13	0.11	66	0.062	<20	1.33	0.003	0.03	<0.1	0.04	1.0	<0.1	<0.05	3	<0.5	<0.2
162398	Soil	9	7	0.03	27	0.034	<20	0.63	0.003	0.03	<0.1	0.02	0.4	0.1	<0.05	4	<0.5	<0.2
162399	Soil	8	17	0.14	55	0.072	<20	1.44	0.004	0.03	<0.1	0.03	1.5	<0.1	0.05	4	<0.5	<0.2
162400	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162401	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162402	Soil	7	6	0.08	97	0.033	<20	0.70	0.003	0.04	<0.1	0.01	0.7	<0.1	<0.05	5	<0.5	<0.2
162403	Soil	10	9	0.13	137	0.040	<20	1.00	0.006	0.05	<0.1	0.02	1.0	<0.1	0.06	5	<0.5	<0.2
162404	Soil	10	13	0.09	56	0.036	<20	2.07	0.003	0.04	<0.1	0.07	1.2	<0.1	<0.05	5	<0.5	<0.2
162405	Soil	8	14	0.09	52	0.044	<20	1.44	0.003	0.03	<0.1	0.05	1.1	<0.1	<0.05	5	<0.5	<0.2
162406	Soil	14	5	0.08	80	0.028	<20	1.63	<0.001	0.03	<0.1	0.06	0.8	0.1	<0.05	4	<0.5	<0.2
162407	Soil	11	12	0.11	99	0.035	<20	2.34	0.005	0.03	<0.1	0.08	1.3	0.1	<0.05	5	<0.5	<0.2
162408	Soil	12	4	0.02	42	0.013	<20	0.46	0.002	0.04	<0.1	0.02	0.2	0.2	<0.05	2	<0.5	<0.2
162409	Soil	9	10	0.08	74	0.027	<20	1.60	0.003	0.04	<0.1	0.03	0.9	<0.1	<0.05	3	<0.5	<0.2
162410	Soil	9	10	0.09	76	0.032	<20	1.21	0.003	0.03	<0.1	0.03	0.6	<0.1	<0.05	4	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: November 26, 2010

Page: 4 of 10 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
162411	Soil	0.8	3.4	14.5	36	0.1	2.9	2.1	71	1.45	1.4	0.6	<0.5	2.1	6	<0.1	0.1	0.2	31	0.06	0.082
162412	Soil	0.5	1.7	13.3	19	<0.1	1.8	0.9	242	0.72	<0.5	0.5	<0.5	1.9	6	<0.1	0.1	0.3	19	0.06	0.018
162413	Soil	11.3	13.3	38.4	77	0.4	9.0	5.9	3852	2.18	11.0	7.8	<0.5	1.0	123	0.6	0.3	0.4	43	1.09	0.074
162414	Soil	0.5	2.1	4.7	17	<0.1	3.7	1.1	51	0.86	0.8	0.4	<0.5	1.2	5	<0.1	0.1	0.2	24	0.05	0.014
162415	Soil	0.6	2.7	10.8	22	<0.1	2.4	1.6	130	1.41	3.7	0.5	<0.5	2.4	3	<0.1	0.2	0.1	33	0.04	0.123
162416	Soil	0.9	2.3	5.3	17	<0.1	3.3	1.2	48	0.87	0.6	0.4	<0.5	0.9	4	<0.1	0.1	0.1	23	0.02	0.013
162417	Soil	0.6	1.8	4.0	16	<0.1	1.5	0.9	38	0.75	1.0	0.5	<0.5	1.9	4	<0.1	0.2	0.1	20	0.03	0.010
162418	Soil	0.8	3.7	11.3	52	0.1	4.1	2.8	104	2.03	2.9	0.5	<0.5	2.4	5	0.1	0.2	0.1	46	0.05	0.144
162419	Soil	0.4	1.8	10.9	12	<0.1	1.3	0.5	34	0.62	0.6	0.4	<0.5	1.8	4	<0.1	<0.1	0.2	15	0.03	0.032
162420	Soil	0.7	4.7	10.5	33	0.1	4.4	3.2	109	1.46	3.0	0.7	0.6	3.2	5	<0.1	0.2	0.1	31	0.05	0.097
162421	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162422	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162423	Soil	0.9	3.7	10.4	39	0.1	3.8	1.6	73	1.17	1.8	0.4	0.8	1.3	5	<0.1	0.1	0.2	28	0.04	0.054
162424	Soil	0.7	5.7	11.9	46	0.2	3.7	2.4	67	1.87	1.7	0.5	<0.5	1.9	4	<0.1	<0.1	0.2	41	0.04	0.126
162425	Soil	0.6	12.7	8.9	41	0.2	6.2	4.5	138	1.81	3.1	0.6	<0.5	2.3	5	<0.1	0.2	<0.1	42	0.07	0.110
162426	Soil	0.7	5.5	11.0	28	<0.1	5.0	3.4	178	1.08	2.1	0.5	<0.5	0.6	14	0.2	0.1	0.1	27	0.16	0.031
162427	Soil	0.8	4.7	10.0	26	<0.1	3.1	1.9	67	1.01	2.1	0.5	<0.5	0.3	8	0.1	<0.1	0.1	29	0.07	0.021
162428	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162429	Soil	0.7	4.4	10.7	74	0.2	5.2	3.4	93	1.79	4.4	0.5	<0.5	1.5	10	0.2	0.2	0.1	36	0.09	0.113
162430	Soil	0.8	7.0	10.5	71	0.2	5.9	4.1	93	1.88	5.1	0.5	1.9	1.2	6	0.2	0.2	0.1	36	0.06	0.172
162431	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162432	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162433	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162434	Soil	0.9	4.7	10.4	56	0.3	6.3	3.5	116	2.97	4.4	0.6	<0.5	1.6	8	<0.1	0.2	0.2	60	0.07	0.134
162435	Soil	0.9	4.4	11.4	62	0.1	5.5	4.9	514	2.30	3.2	0.6	<0.5	2.2	5	<0.1	0.1	0.2	39	0.05	0.236
162436	Soil	1.7	4.8	18.4	63	0.2	5.9	4.0	1053	1.81	5.3	1.0	<0.5	2.3	8	<0.1	0.2	0.4	34	0.07	0.110
162437	Soil	1.1	5.4	10.3	70	0.3	5.2	3.4	273	1.77	5.0	1.0	<0.5	2.6	9	<0.1	0.1	0.3	29	0.06	0.187
162438	Soil	1.2	5.6	14.9	45	0.1	4.6	2.6	116	2.42	3.6	0.6	0.7	2.2	7	<0.1	0.2	0.2	56	0.06	0.210
162439	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162440	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: November 26, 2010

Page: 4 of 10 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
162411	Soil	9	10	0.07	57	0.044	<20	1.64	0.004	0.03	<0.1	0.08	1.0	<0.1	<0.05	4	<0.5	<0.2
162412	Soil	12	6	0.03	28	0.066	<20	0.44	0.003	0.04	<0.1	0.01	0.4	<0.1	<0.05	3	<0.5	<0.2
162413	Soil	34	17	0.28	483	0.008	<20	2.87	0.009	0.14	<0.1	0.06	2.0	0.2	0.06	7	0.6	<0.2
162414	Soil	10	12	0.02	22	0.035	<20	0.39	0.002	0.03	<0.1	0.01	0.3	<0.1	<0.05	3	<0.5	<0.2
162415	Soil	9	9	0.06	50	0.026	<20	1.28	0.001	0.03	<0.1	0.02	0.7	0.1	<0.05	3	<0.5	<0.2
162416	Soil	10	12	0.02	34	0.031	<20	0.46	0.004	0.03	<0.1	0.02	0.3	0.1	<0.05	3	<0.5	<0.2
162417	Soil	10	7	0.02	45	0.029	<20	0.36	0.003	0.04	<0.1	0.01	0.3	<0.1	<0.05	2	<0.5	<0.2
162418	Soil	8	13	0.09	56	0.037	<20	2.62	0.003	0.03	<0.1	0.03	1.2	<0.1	<0.05	5	<0.5	<0.2
162419	Soil	9	4	0.02	38	0.025	<20	0.86	0.001	0.02	<0.1	0.02	0.4	0.1	<0.05	4	<0.5	<0.2
162420	Soil	9	12	0.10	58	0.041	<20	1.75	0.003	0.03	<0.1	0.05	1.0	<0.1	<0.05	3	<0.5	<0.2
162421	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162422	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162423	Soil	10	9	0.06	39	0.019	<20	1.03	0.002	0.03	<0.1	0.02	0.6	0.1	<0.05	4	<0.5	<0.2
162424	Soil	7	9	0.08	50	0.021	<20	2.10	0.003	0.03	<0.1	0.04	1.0	<0.1	<0.05	6	<0.5	<0.2
162425	Soil	9	13	0.17	64	0.041	<20	1.60	0.004	0.03	<0.1	0.04	1.8	<0.1	<0.05	3	<0.5	<0.2
162426	Soil	8	9	0.14	87	0.028	<20	0.89	0.003	0.03	<0.1	0.01	0.8	<0.1	<0.05	3	<0.5	<0.2
162427	Soil	7	8	0.08	65	0.014	<20	1.21	0.002	0.03	<0.1	0.04	0.5	<0.1	<0.05	5	<0.5	<0.2
162428	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162429	Soil	7	10	0.12	95	0.023	<20	1.63	0.003	0.03	<0.1	0.04	0.7	<0.1	<0.05	4	<0.5	<0.2
162430	Soil	7	10	0.13	75	0.025	<20	1.89	0.002	0.03	<0.1	0.05	1.0	<0.1	<0.05	4	<0.5	<0.2
162431	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162432	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162433	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162434	Soil	6	18	0.14	58	0.053	<20	2.01	0.004	0.03	<0.1	0.06	1.1	<0.1	<0.05	8	<0.5	<0.2
162435	Soil	6	16	0.08	49	0.041	<20	3.15	0.005	0.03	<0.1	0.11	1.2	<0.1	<0.05	7	<0.5	<0.2
162436	Soil	7	12	0.13	66	0.038	<20	1.59	0.003	0.04	0.1	0.05	1.1	0.2	<0.05	6	<0.5	<0.2
162437	Soil	8	11	0.12	64	0.013	<20	2.71	0.004	0.04	<0.1	0.06	1.1	0.2	<0.05	7	<0.5	<0.2
162438	Soil	6	15	0.11	40	0.063	<20	2.02	0.007	0.04	<0.1	0.09	1.4	<0.1	<0.05	8	<0.5	<0.2
162439	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162440	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: November 26, 2010

Page: 5 of 10 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
162441	Soil	1.7	2.0	14.0	18	0.1	2.4	0.6	80	0.33	0.7	1.2	<0.5	1.1	41	0.1	0.2	0.2	9	0.29	0.013
162442	Soil	1.1	3.1	8.4	29	0.1	3.9	1.2	84	0.76	<0.5	0.3	1.1	0.6	7	<0.1	0.1	0.1	22	0.04	0.016
162443	Soil	1.2	3.4	31.2	98	0.1	6.7	2.5	529	1.36	4.5	0.7	1.1	1.9	8	0.4	0.2	0.2	25	0.07	0.240
162444	Soil	1.1	3.8	27.8	94	0.2	9.6	2.2	187	1.37	2.1	0.8	1.1	2.6	9	0.4	0.1	0.3	26	0.09	0.176
162445	Soil	1.0	4.1	28.8	116	0.2	5.4	3.6	314	1.79	1.8	1.2	1.0	3.7	8	0.3	0.2	0.2	35	0.09	0.145
162446	Soil	0.9	2.3	50.3	57	<0.1	4.4	1.5	136	0.81	0.6	0.7	0.8	2.5	7	0.1	<0.1	0.3	17	0.06	0.102
162447	Soil	1.5	2.2	8.6	20	<0.1	3.3	0.8	56	0.79	<0.5	0.5	<0.5	1.4	8	<0.1	0.2	0.2	20	0.05	0.011
162448	Soil	4.8	14.1	31.7	83	0.4	14.7	4.4	1324	1.39	32.8	23.7	1.5	0.9	108	0.6	0.5	0.4	30	1.15	0.048
162449	Soil	2.9	18.1	38.7	57	0.9	9.7	3.2	284	1.00	15.4	33.8	0.5	0.7	95	0.6	0.3	0.3	18	0.93	0.054
162450	Soil	0.9	2.4	6.8	21	<0.1	3.9	1.1	62	0.98	0.6	0.5	<0.5	1.5	6	<0.1	0.1	0.2	29	0.05	0.011
162451	Soil	1.5	5.2	15.0	36	<0.1	4.9	1.6	77	0.99	4.7	0.5	<0.5	1.1	26	<0.1	0.4	0.2	35	0.22	0.020
162452	Soil	0.9	7.1	8.2	36	0.2	8.3	4.1	148	2.53	4.6	0.4	1.4	1.6	9	<0.1	0.3	<0.1	64	0.11	0.079
162453	Soil	0.4	3.6	8.8	29	<0.1	6.1	2.9	117	0.93	1.2	0.6	1.3	1.1	21	<0.1	0.1	<0.1	27	0.23	0.034
162454	Soil	0.7	4.1	13.2	31	0.1	5.0	1.8	80	2.17	3.2	0.6	<0.5	2.2	8	<0.1	0.2	0.2	54	0.07	0.075
162455	Soil	0.4	1.7	7.8	10	<0.1	3.0	0.4	26	0.23	<0.5	0.5	1.1	<0.1	8	0.1	0.1	0.2	9	0.05	0.017
162456	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162457	Soil	0.9	3.9	14.7	40	0.1	5.3	2.3	80	1.96	2.9	0.7	<0.5	2.0	8	0.1	0.2	0.2	41	0.06	0.081
162458	Soil	1.0	2.5	7.6	17	0.2	6.6	1.3	56	0.86	<0.5	0.6	<0.5	1.2	7	<0.1	<0.1	0.2	27	0.05	0.019
162459	Soil	0.9	5.0	16.6	83	0.3	6.7	3.9	411	2.15	3.7	1.0	1.0	4.0	6	<0.1	0.2	0.2	42	0.07	0.200
162460	Soil	0.6	3.9	15.9	73	0.2	5.2	2.5	141	1.66	2.6	0.8	<0.5	3.5	7	<0.1	0.2	0.2	36	0.06	0.135
162461	Soil	0.3	<0.1	9.6	20	<0.1	1.7	0.2	137	0.25	<0.5	0.2	<0.5	3.9	6	<0.1	<0.1	<0.1	3	0.03	0.017
162462	Soil	0.7	4.0	12.3	32	<0.1	6.4	2.9	103	2.07	5.3	0.5	<0.5	4.5	7	<0.1	0.3	0.1	50	0.07	0.066
162463	Soil	1.6	4.2	19.0	40	0.4	4.9	2.6	105	1.69	4.6	0.6	<0.5	2.6	6	<0.1	0.3	0.2	45	0.06	0.045
162464	Soil	1.1	7.4	15.1	75	0.2	9.3	5.7	185	2.30	8.6	1.0	<0.5	3.8	8	0.1	0.3	0.2	45	0.08	0.157
162465	Soil	1.0	7.1	11.3	76	0.1	10.9	5.0	163	2.20	4.4	0.6	0.8	1.5	17	0.3	0.2	<0.1	50	0.18	0.093
162466	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162467	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162468	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162469	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162470	Soil	1.4	3.6	8.7	30	<0.1	3.7	1.5	88	0.85	3.8	3.9	<0.5	0.7	11	<0.1	<0.1	<0.1	19	0.05	0.027



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: November 26, 2010

Page: 5 of 10 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
162441	Soil	11	5	0.03	73	0.023	<20	0.40	0.007	0.03	<0.1	0.02	0.5	<0.1	<0.05	2	<0.5	<0.2
162442	Soil	9	7	0.06	56	0.034	<20	0.56	0.008	0.04	<0.1	0.01	0.5	<0.1	<0.05	5	<0.5	<0.2
162443	Soil	10	14	0.10	71	0.039	<20	2.41	0.008	0.04	<0.1	0.08	1.2	<0.1	<0.05	6	<0.5	<0.2
162444	Soil	12	20	0.10	66	0.044	<20	1.27	0.007	0.04	<0.1	0.03	1.1	<0.1	<0.05	6	<0.5	<0.2
162445	Soil	11	14	0.13	78	0.041	<20	1.99	0.008	0.04	<0.1	0.03	1.4	0.1	<0.05	6	<0.5	<0.2
162446	Soil	17	9	0.06	60	0.018	<20	1.13	0.007	0.04	<0.1	0.03	0.7	0.2	<0.05	3	<0.5	<0.2
162447	Soil	12	9	0.02	37	0.037	<20	0.45	0.007	0.02	<0.1	0.01	0.5	<0.1	<0.05	2	<0.5	<0.2
162448	Soil	30	35	0.22	285	0.015	<20	1.64	0.011	0.11	<0.1	0.14	2.1	0.2	<0.05	4	<0.5	<0.2
162449	Soil	38	24	0.15	242	0.006	<20	1.46	0.008	0.13	<0.1	0.15	1.1	<0.1	<0.05	3	<0.5	<0.2
162450	Soil	11	13	0.02	28	0.056	<20	0.43	0.008	0.03	<0.1	0.01	0.5	<0.1	<0.05	3	<0.5	<0.2
162451	Soil	8	12	0.08	38	0.077	<20	0.51	0.008	0.04	<0.1	0.02	0.9	<0.1	<0.05	4	<0.5	<0.2
162452	Soil	6	17	0.23	30	0.099	<20	0.93	0.007	0.03	<0.1	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
162453	Soil	8	12	0.20	38	0.091	<20	0.69	0.009	0.03	<0.1	0.03	1.3	<0.1	<0.05	3	<0.5	<0.2
162454	Soil	7	13	0.09	28	0.071	<20	1.02	0.007	0.02	<0.1	0.03	1.0	<0.1	<0.05	7	<0.5	<0.2
162455	Soil	8	7	0.02	28	0.015	<20	0.48	0.008	0.02	<0.1	0.03	0.2	<0.1	<0.05	4	<0.5	<0.2
162456	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162457	Soil	7	13	0.09	41	0.048	<20	1.54	0.007	0.03	<0.1	0.04	1.1	<0.1	<0.05	7	<0.5	<0.2
162458	Soil	9	16	0.03	32	0.071	<20	0.48	0.008	0.03	<0.1	0.02	0.6	<0.1	<0.05	4	<0.5	<0.2
162459	Soil	8	16	0.12	48	0.029	<20	2.77	0.006	0.04	<0.1	0.09	1.3	0.1	<0.05	7	<0.5	<0.2
162460	Soil	8	12	0.08	39	0.024	<20	2.09	0.006	0.04	<0.1	0.05	1.1	<0.1	<0.05	5	<0.5	<0.2
162461	Soil	35	<1	0.02	42	0.001	<20	0.86	0.004	0.08	<0.1	0.02	0.2	0.2	<0.05	2	<0.5	<0.2
162462	Soil	8	15	0.14	33	0.045	<20	1.26	0.006	0.04	<0.1	0.03	1.1	<0.1	<0.05	5	<0.5	<0.2
162463	Soil	8	14	0.11	44	0.048	<20	0.93	0.006	0.03	<0.1	0.03	0.9	0.1	<0.05	4	<0.5	<0.2
162464	Soil	8	18	0.20	71	0.036	<20	2.39	0.006	0.04	<0.1	0.07	1.7	0.1	<0.05	5	<0.5	<0.2
162465	Soil	9	18	0.24	65	0.081	<20	1.84	0.008	0.04	<0.1	0.05	1.8	<0.1	<0.05	5	<0.5	<0.2
162466	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162467	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162468	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162469	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162470	Soil	16	7	0.12	94	0.035	<20	0.82	0.008	0.05	<0.1	0.05	0.8	<0.1	<0.05	4	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: November 26, 2010

Page: 6 of 10 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
162471	Soil	0.9	6.8	19.5	39	<0.1	8.6	4.2	232	1.65	4.1	0.9	<0.5	1.3	32	0.2	0.2	0.1	38	0.26	0.049
162472	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162473	Soil	1.0	4.6	26.9	52	0.1	6.4	2.6	111	1.90	2.3	0.7	<0.5	3.1	7	<0.1	0.2	0.2	37	0.06	0.135
162474	Soil	1.2	5.7	23.9	42	0.2	6.4	2.2	99	1.81	2.0	0.6	<0.5	2.4	8	<0.1	0.2	0.2	41	0.07	0.098
162475	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162476	Soil	0.5	1.1	8.3	7	<0.1	2.3	0.4	32	0.34	<0.5	0.4	<0.5	1.1	7	<0.1	<0.1	0.1	12	0.04	0.007
162477	Soil	0.7	1.6	15.5	13	<0.1	2.5	0.8	36	0.45	<0.5	0.4	<0.5	0.2	7	<0.1	<0.1	0.2	20	0.05	0.014
162478	Soil	0.9	4.4	17.4	52	0.2	5.7	2.5	87	1.92	1.9	0.6	<0.5	2.8	9	<0.1	0.1	0.2	43	0.10	0.142
162479	Soil	0.9	4.6	20.4	35	0.4	4.5	2.0	83	1.74	2.0	0.6	<0.5	2.8	6	0.1	0.1	0.2	44	0.05	0.088
162480	Soil	0.9	2.8	5.0	18	<0.1	6.0	1.2	62	0.96	<0.5	0.5	<0.5	1.5	5	<0.1	0.1	0.2	28	0.03	0.011
162481	Soil	0.5	1.8	6.7	15	<0.1	2.1	1.0	47	0.65	<0.5	0.5	<0.5	2.1	5	<0.1	0.1	0.2	19	0.04	0.008
162482	Soil	0.8	3.1	12.2	25	0.1	4.8	2.1	127	1.36	2.2	0.5	<0.5	1.9	5	<0.1	0.1	0.2	36	0.05	0.054
162483	Soil	0.8	4.5	6.5	22	0.1	3.1	1.3	48	0.94	0.8	0.3	<0.5	1.0	5	<0.1	<0.1	0.1	33	0.03	0.035
162484	Soil	1.7	21.7	5.1	56	0.6	12.6	4.4	61	2.16	6.7	0.2	<0.5	0.9	7	0.1	0.2	<0.1	58	0.05	0.063
162485	Soil	4.0	16.6	4.0	48	0.2	29.2	2.8	110	1.77	20.4	0.1	0.8	0.6	9	0.2	0.5	0.1	31	0.05	0.040
162486	Soil	1.2	4.5	7.9	27	<0.1	6.0	2.1	119	1.67	3.2	0.5	<0.5	0.9	6	<0.1	0.2	0.2	49	0.05	0.026
162487	Soil	1.2	7.3	12.0	64	0.3	7.5	5.1	144	2.79	5.4	0.8	<0.5	3.2	6	<0.1	0.2	0.2	55	0.07	0.251
162488	Soil	1.1	6.9	6.7	24	0.2	3.7	1.7	66	1.58	1.7	0.6	<0.5	1.6	6	<0.1	0.2	0.2	40	0.04	0.037
162489	Soil	0.5	1.9	5.2	7	0.1	2.0	0.4	15	0.22	0.7	0.3	89.2	0.1	4	<0.1	<0.1	0.2	8	0.03	0.022
162490	Soil	0.9	3.9	10.7	28	0.1	3.6	1.8	68	1.47	1.8	0.6	<0.5	1.6	6	<0.1	0.2	0.2	38	0.06	0.072
162491	Soil	1.2	6.9	8.7	29	<0.1	7.0	4.7	110	2.77	6.1	0.7	<0.5	2.8	7	<0.1	0.2	0.2	56	0.07	0.071
162492	Soil	1.0	5.4	10.3	46	0.1	6.0	3.6	134	2.30	4.0	0.6	<0.5	2.1	10	<0.1	0.2	0.2	49	0.14	0.181
162493	Soil	1.5	6.0	8.0	51	0.1	5.5	2.4	92	1.67	13.2	0.5	<0.5	1.8	18	<0.1	0.3	0.2	33	0.07	0.034
162494	Soil	1.9	10.8	10.2	74	<0.1	7.0	2.8	133	1.32	10.6	0.6	<0.5	0.2	97	0.2	0.4	0.2	25	0.15	0.050
162495	Soil	1.5	10.0	11.1	40	0.2	8.0	3.8	95	2.01	11.7	0.8	0.5	0.8	25	0.3	0.4	0.2	45	0.14	0.039
162496	Soil	1.5	4.5	7.6	18	<0.1	7.5	1.5	48	0.69	1.3	0.5	<0.5	0.7	14	0.3	0.2	0.2	29	0.09	0.019
162497	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162498	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162499	Soil	4.0	22.7	39.7	86	0.7	9.7	4.0	110	2.89	22.0	22.2	1.3	2.7	54	0.2	0.5	0.3	41	0.49	0.034
162500	Soil	5.3	54.6	34.2	110	1.5	18.0	7.1	1329	2.58	18.5	13.2	<0.5	2.3	92	1.2	0.6	0.3	42	0.80	0.072



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: November 26, 2010

Page: 6 of 10 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
162471	Soil	11	19	0.18	117	0.055	<20	1.25	0.009	0.04	<0.1	0.04	1.4	<0.1	<0.05	4	<0.5	<0.2
162472	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162473	Soil	11	14	0.11	59	0.028	<20	2.13	0.006	0.04	<0.1	0.06	1.3	<0.1	<0.05	6	<0.5	<0.2
162474	Soil	10	14	0.10	53	0.042	<20	1.43	0.007	0.03	<0.1	0.06	1.1	<0.1	<0.05	5	<0.5	<0.2
162475	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162476	Soil	10	5	0.02	28	0.034	<20	0.34	0.007	0.02	<0.1	<0.01	0.4	<0.1	<0.05	3	<0.5	<0.2
162477	Soil	10	7	0.03	25	0.040	<20	0.60	0.007	0.02	<0.1	0.02	0.3	<0.1	<0.05	5	<0.5	<0.2
162478	Soil	10	14	0.11	57	0.046	<20	1.49	0.006	0.04	<0.1	0.06	1.3	<0.1	<0.05	6	<0.5	<0.2
162479	Soil	10	13	0.08	40	0.027	<20	1.55	0.007	0.03	<0.1	0.04	1.0	<0.1	<0.05	5	<0.5	<0.2
162480	Soil	12	14	0.03	24	0.040	<20	0.56	0.007	0.03	<0.1	0.01	0.5	0.2	<0.05	4	<0.5	<0.2
162481	Soil	12	7	0.03	27	0.028	<20	0.46	0.006	0.04	<0.1	<0.01	0.4	0.1	<0.05	2	<0.5	<0.2
162482	Soil	10	12	0.05	39	0.025	<20	0.94	0.006	0.03	<0.1	0.03	0.7	<0.1	<0.05	4	<0.5	<0.2
162483	Soil	12	8	0.05	46	0.036	<20	1.02	0.005	0.02	<0.1	0.02	0.4	<0.1	0.05	5	<0.5	<0.2
162484	Soil	8	14	0.17	176	0.005	<20	1.49	0.006	0.04	<0.1	0.03	1.8	<0.1	<0.05	5	0.6	<0.2
162485	Soil	10	15	0.04	75	0.005	<20	0.45	0.002	0.05	<0.1	0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
162486	Soil	9	20	0.05	31	0.064	<20	0.75	0.009	0.03	<0.1	0.02	0.8	0.1	0.06	6	<0.5	<0.2
162487	Soil	7	19	0.17	47	0.042	<20	3.30	0.006	0.03	<0.1	0.06	1.9	<0.1	<0.05	7	<0.5	<0.2
162488	Soil	8	14	0.04	33	0.056	<20	0.89	0.006	0.02	<0.1	0.03	0.8	<0.1	<0.05	5	<0.5	<0.2
162489	Soil	8	5	0.02	22	0.010	<20	0.63	0.006	0.03	<0.1	0.04	0.1	<0.1	<0.05	4	<0.5	<0.2
162490	Soil	8	13	0.05	40	0.045	<20	1.24	0.006	0.03	<0.1	0.03	0.9	0.1	<0.05	5	<0.5	<0.2
162491	Soil	7	19	0.15	62	0.053	<20	2.68	0.006	0.03	<0.1	0.06	1.7	<0.1	<0.05	6	0.6	<0.2
162492	Soil	5	15	0.11	46	0.052	<20	2.26	0.004	0.03	<0.1	0.10	1.4	<0.1	0.05	6	<0.5	<0.2
162493	Soil	11	12	0.09	102	0.015	<20	1.27	0.004	0.05	<0.1	0.04	1.0	0.1	<0.05	6	<0.5	<0.2
162494	Soil	11	16	0.09	223	0.013	<20	1.00	0.009	0.07	<0.1	0.07	0.5	0.1	0.08	4	0.5	<0.2
162495	Soil	11	17	0.13	76	0.045	<20	1.08	0.008	0.04	<0.1	0.05	1.4	0.1	0.08	6	<0.5	<0.2
162496	Soil	10	18	0.05	44	0.043	<20	0.58	0.008	0.05	<0.1	0.03	0.7	<0.1	0.07	4	<0.5	<0.2
162497	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162498	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162499	Soil	27	34	0.17	236	0.016	<20	2.35	0.009	0.11	<0.1	0.27	8.5	0.2	0.07	5	<0.5	<0.2
162500	Soil	61	38	0.25	452	0.008	<20	3.38	0.010	0.16	<0.1	0.17	7.8	0.2	0.07	8	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: November 26, 2010

Page: 7 of 10 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
162951	Soil	1.0	5.0	8.0	42	0.2	3.9	2.5	104	1.49	4.8	0.6	<0.5	1.0	9	<0.1	0.2	0.2	39	0.05	0.083
162952	Soil	1.5	7.9	14.0	55	0.1	5.8	2.7	173	1.44	7.9	0.6	<0.5	1.1	18	0.1	0.3	0.2	28	0.15	0.078
162953	Soil	1.2	11.4	11.9	39	<0.1	7.8	6.1	176	1.86	12.8	1.1	<0.5	1.2	37	<0.1	0.4	0.1	41	0.27	0.047
162954	Soil	0.5	1.9	3.3	14	<0.1	1.8	0.5	25	0.31	0.7	0.3	<0.5	0.1	13	<0.1	<0.1	<0.1	12	0.05	0.013
162955	Soil	1.5	4.3	11.2	29	0.1	7.5	1.6	60	0.82	4.5	0.4	<0.5	1.1	11	0.1	0.3	0.2	28	0.07	0.022
162956	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162957	Soil	1.3	5.0	10.9	42	0.2	6.0	2.4	528	1.26	3.0	0.4	<0.5	0.9	6	0.1	0.2	0.2	28	0.07	0.073
162958	Soil	1.8	9.1	11.6	76	0.2	10.8	5.2	129	2.08	10.1	0.5	0.6	2.3	7	<0.1	0.2	0.1	45	0.08	0.071
162959	Soil	1.5	5.1	10.2	36	0.2	5.2	3.0	158	1.85	5.4	0.5	<0.5	1.3	6	<0.1	0.2	0.2	42	0.05	0.131
162960	Soil	1.2	6.2	11.8	110	0.8	7.4	3.6	158	1.74	5.3	0.5	1.5	2.2	6	0.3	0.1	0.1	35	0.06	0.119
162961	Soil	1.4	6.5	15.3	98	0.5	7.8	3.6	109	2.08	5.8	0.5	<0.5	2.5	5	0.3	0.2	0.1	43	0.05	0.174
162962	Soil	0.8	4.4	18.9	33	0.2	4.4	1.4	62	1.31	9.2	0.4	<0.5	1.1	5	0.1	0.4	0.1	36	0.05	0.044
162963	Soil	1.0	4.9	15.9	66	0.5	4.5	2.6	84	1.90	6.8	0.6	<0.5	2.1	5	0.2	0.5	0.2	38	0.06	0.113
162964	Soil	0.4	1.8	6.3	17	<0.1	3.8	0.8	36	0.43	1.4	0.2	<0.5	1.3	4	<0.1	0.3	0.1	15	0.04	0.009
162965	Soil	4.7	13.5	16.8	120	0.7	11.1	5.8	1715	2.15	65.0	5.7	<0.5	0.7	146	0.7	2.9	0.3	38	1.62	0.054
162966	Soil	0.5	3.8	4.0	12	<0.1	3.4	1.0	47	0.56	1.3	0.3	<0.5	0.3	6	<0.1	0.2	<0.1	22	0.06	0.011
162967	Soil	0.7	7.1	11.9	44	<0.1	9.7	4.2	137	1.60	6.5	0.4	<0.5	1.2	14	0.1	0.3	<0.1	45	0.21	0.043
162968	Soil	1.5	21.3	5.2	31	0.6	12.9	3.6	145	1.00	6.5	2.9	<0.5	0.2	249	0.6	0.9	<0.1	19	2.44	0.067
162969	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162970	Soil	1.2	5.6	11.0	55	0.2	9.3	4.5	111	2.84	6.3	0.6	<0.5	2.0	16	0.1	0.3	0.1	63	0.16	0.161
162971	Soil	1.3	3.7	11.3	37	0.1	5.3	1.9	62	0.76	3.2	0.6	<0.5	0.7	27	0.2	0.2	0.1	27	0.29	0.020
162972	Soil	0.8	3.3	9.8	29	<0.1	4.8	1.4	75	1.73	2.9	0.5	<0.5	1.7	5	<0.1	0.1	0.2	41	0.05	0.070
162973	Soil	0.7	3.8	10.9	49	0.2	7.8	3.7	326	1.67	2.7	0.6	<0.5	2.4	6	<0.1	0.2	0.1	32	0.05	0.092
162974	Soil	0.6	3.3	14.3	26	<0.1	2.6	1.1	47	1.17	2.1	0.5	<0.5	2.2	5	<0.1	0.1	0.2	26	0.04	0.163
162975	Soil	0.7	5.2	12.9	59	0.6	6.4	3.4	202	2.08	6.7	0.8	<0.5	3.5	6	0.1	0.3	0.2	38	0.06	0.179
162976	Soil	0.8	6.4	11.0	47	0.2	7.7	4.9	155	2.09	4.7	0.7	0.6	2.8	7	<0.1	0.3	0.1	47	0.06	0.123
162977	Soil	0.9	4.4	37.9	63	0.2	5.2	2.2	82	1.86	15.2	0.6	<0.5	2.4	7	0.2	0.4	0.2	37	0.07	0.154
162978	Soil	1.1	6.2	24.9	43	0.3	6.2	2.6	79	2.11	13.7	0.7	<0.5	3.1	6	<0.1	0.4	0.3	37	0.04	0.154
162979	Soil	0.9	4.3	11.5	43	0.1	5.5	3.2	128	2.63	4.9	0.6	<0.5	2.3	8	0.1	0.2	0.2	57	0.07	0.129
162980	Soil	1.0	4.6	13.5	50	0.1	5.6	2.8	172	2.20	4.1	0.5	<0.5	1.8	6	<0.1	0.2	0.2	47	0.06	0.074



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: November 26, 2010

Page: 7 of 10 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
162951	Soil	10	12	0.08	57	0.016	<20	1.59	0.006	0.03	<0.1	0.03	0.9	0.1	<0.05	8	<0.5	<0.2
162952	Soil	10	8	0.10	60	0.012	<20	1.32	0.006	0.04	<0.1	0.05	1.0	0.1	<0.05	4	<0.5	<0.2
162953	Soil	12	16	0.21	114	0.054	<20	1.00	0.008	0.05	<0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
162954	Soil	10	6	0.02	58	0.010	<20	0.40	0.006	0.03	<0.1	0.02	0.2	0.1	<0.05	3	<0.5	<0.2
162955	Soil	10	18	0.05	52	0.051	<20	0.70	0.005	0.05	<0.1	0.02	0.8	<0.1	0.08	4	<0.5	<0.2
162956	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162957	Soil	11	13	0.07	65	0.014	<20	1.09	0.007	0.06	<0.1	0.04	0.8	0.2	0.06	4	<0.5	<0.2
162958	Soil	10	17	0.13	86	0.033	<20	1.69	0.006	0.04	<0.1	0.04	1.7	0.2	<0.05	4	<0.5	<0.2
162959	Soil	10	13	0.09	88	0.027	<20	1.85	0.008	0.05	<0.1	0.05	0.9	0.1	<0.05	6	0.6	<0.2
162960	Soil	9	13	0.10	93	0.024	<20	2.54	0.006	0.04	<0.1	0.07	1.3	0.2	<0.05	5	<0.5	<0.2
162961	Soil	8	17	0.09	71	0.034	<20	3.45	0.006	0.03	<0.1	0.07	1.5	0.1	<0.05	5	<0.5	<0.2
162962	Soil	8	10	0.06	21	0.042	<20	1.04	0.006	0.02	<0.1	0.06	0.7	<0.1	<0.05	5	<0.5	<0.2
162963	Soil	8	12	0.09	35	0.043	<20	2.04	0.007	0.02	<0.1	0.07	1.0	<0.1	<0.05	5	<0.5	<0.2
162964	Soil	12	7	0.02	19	0.032	<20	0.45	0.005	0.04	<0.1	<0.01	0.3	0.1	<0.05	2	<0.5	<0.2
162965	Soil	18	23	0.24	130	0.022	<20	2.09	0.011	0.10	<0.1	0.07	2.9	0.2	0.08	5	<0.5	<0.2
162966	Soil	9	11	0.02	37	0.035	<20	0.33	0.007	0.02	<0.1	0.02	0.4	<0.1	<0.05	3	<0.5	<0.2
162967	Soil	9	16	0.22	67	0.091	<20	1.04	0.009	0.03	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
162968	Soil	30	14	0.17	174	0.016	<20	1.32	0.015	0.05	<0.1	0.12	1.5	<0.1	0.19	3	0.7	<0.2
162969	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162970	Soil	7	20	0.17	57	0.085	<20	2.22	0.008	0.03	<0.1	0.07	1.7	<0.1	<0.05	6	0.7	<0.2
162971	Soil	9	10	0.08	60	0.056	<20	0.72	0.007	0.03	<0.1	0.02	0.7	<0.1	<0.05	4	<0.5	<0.2
162972	Soil	8	14	0.04	26	0.050	<20	1.31	0.005	0.02	<0.1	0.04	0.9	<0.1	<0.05	7	<0.5	<0.2
162973	Soil	6	15	0.12	32	0.041	<20	1.93	0.006	0.02	<0.1	0.05	0.9	0.1	<0.05	5	<0.5	<0.2
162974	Soil	6	11	0.04	33	0.035	<20	1.78	0.005	0.02	<0.1	0.10	0.9	<0.1	<0.05	6	<0.5	<0.2
162975	Soil	7	16	0.12	36	0.026	<20	2.38	0.005	0.03	0.1	0.07	1.2	<0.1	<0.05	5	<0.5	<0.2
162976	Soil	7	17	0.17	52	0.066	<20	2.06	0.006	0.03	<0.1	0.07	1.7	<0.1	<0.05	5	<0.5	<0.2
162977	Soil	7	12	0.10	42	0.035	<20	1.37	0.004	0.02	<0.1	0.05	1.1	<0.1	<0.05	4	<0.5	<0.2
162978	Soil	10	14	0.12	50	0.013	<20	1.94	0.005	0.03	<0.1	0.05	1.1	0.1	<0.05	6	<0.5	<0.2
162979	Soil	7	15	0.13	57	0.059	<20	2.25	0.006	0.02	<0.1	0.05	1.3	<0.1	<0.05	8	<0.5	<0.2
162980	Soil	7	13	0.13	44	0.054	<20	1.01	0.004	0.03	<0.1	0.03	1.2	<0.1	<0.05	7	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: November 26, 2010

Page: 8 of 10 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
162981	Soil	0.9	6.1	15.0	70	0.2	5.7	3.3	210	1.76	4.6	0.7	<0.5	3.2	9	<0.1	0.2	0.2	32	0.04	0.187
162982	Soil	0.9	4.5	13.3	73	<0.1	5.5	3.2	126	2.46	3.9	0.7	<0.5	2.6	7	<0.1	0.2	0.2	46	0.05	0.144
162983	Soil	0.7	4.9	11.5	46	<0.1	5.3	3.1	102	1.91	2.9	0.6	<0.5	2.6	5	<0.1	0.1	0.2	41	0.05	0.130
162984	Soil	1.1	6.3	15.4	104	0.3	6.6	4.3	617	1.73	8.9	0.8	<0.5	2.6	10	0.2	0.2	0.2	35	0.05	0.188
162985	Soil	0.5	2.2	6.3	16	0.1	2.5	0.8	79	0.60	0.9	0.4	<0.5	1.3	7	<0.1	0.1	0.2	18	0.04	0.019
162986	Soil	1.1	4.4	12.2	27	0.1	4.2	1.7	75	1.08	6.2	0.6	0.8	1.6	11	<0.1	0.2	0.2	26	0.03	0.041
162987	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162988	Soil	1.4	5.8	25.4	84	0.4	7.6	5.2	246	2.31	10.9	1.2	0.6	4.1	17	0.2	0.3	0.2	44	0.10	0.327
162989	Soil	0.8	4.4	13.6	23	0.1	5.8	3.1	121	0.79	1.4	0.9	0.6	0.6	12	0.2	<0.1	0.2	19	0.10	0.035
162990	Soil	1.0	3.3	12.2	21	<0.1	5.7	1.3	50	1.07	4.0	0.4	<0.5	2.1	6	0.1	0.2	0.2	31	0.06	0.038
162991	Soil	0.6	1.3	4.5	10	<0.1	5.0	0.6	34	0.53	0.6	0.4	<0.5	1.2	3	<0.1	<0.1	0.2	14	0.03	0.010
162992	Soil	0.8	3.8	18.0	29	0.2	4.5	1.7	89	1.37	3.2	0.6	<0.5	2.8	4	<0.1	0.2	0.2	29	0.04	0.124
162993	Soil	0.8	4.8	17.7	53	0.4	4.6	2.0	129	1.50	3.3	0.7	<0.5	2.8	4	<0.1	0.2	0.2	29	0.04	0.221
162994	Soil	1.1	5.2	17.2	74	0.3	5.7	2.5	193	1.52	3.0	0.6	<0.5	3.5	6	<0.1	0.1	0.2	31	0.05	0.169
162995	Soil	0.8	3.3	19.3	31	0.2	2.9	2.2	212	1.58	4.4	0.6	<0.5	2.8	3	<0.1	0.2	0.3	31	0.03	0.202
162996	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162997	Soil	1.6	9.0	12.2	77	1.5	12.7	3.0	253	1.65	9.0	0.6	0.6	2.6	6	0.2	0.2	0.2	32	0.05	0.156
162998	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162999	Soil	1.1	3.2	17.5	66	0.1	5.1	2.1	164	1.00	10.6	0.9	1.6	1.6	17	0.1	0.6	0.2	27	0.16	0.017
163000	Soil	1.1	4.3	31.1	50	0.2	4.5	1.8	95	1.01	6.7	0.7	<0.5	1.3	10	0.1	0.3	0.2	32	0.09	0.019
930451	Soil	1.1	3.7	13.7	22	0.2	4.6	1.1	100	0.48	2.4	0.8	0.7	0.2	17	0.2	0.2	0.2	13	0.14	0.018
930452	Soil	1.3	5.6	16.0	50	0.3	6.8	3.4	123	2.36	7.3	1.0	1.4	2.1	7	0.3	0.5	0.1	44	0.06	0.124
930453	Soil	0.8	2.8	15.5	29	<0.1	2.8	1.3	71	0.86	3.3	0.7	<0.5	1.2	5	<0.1	0.3	0.3	26	0.04	0.023
930454	Soil	0.5	1.1	12.5	9	<0.1	1.9	0.3	24	0.28	1.3	0.5	<0.5	1.2	4	<0.1	0.2	0.2	10	0.03	0.008
930455	Soil	4.3	22.9	32.4	149	0.3	21.6	5.2	379	3.59	125.8	3.4	0.6	3.1	10	0.5	0.7	0.5	60	0.06	0.166
930456	Soil	0.5	2.7	6.1	16	<0.1	2.7	1.0	52	0.92	2.0	0.6	<0.5	1.6	5	<0.1	0.2	0.2	27	0.04	0.019
930457	Soil	1.1	5.3	8.4	46	0.1	5.3	2.0	60	1.00	1.9	0.5	<0.5	0.6	8	0.1	0.2	0.2	27	0.04	0.027
930458	Soil	1.0	6.6	19.0	54	0.5	7.2	2.7	94	2.41	9.3	0.6	<0.5	2.5	6	0.2	0.8	0.1	40	0.06	0.130
930459	Soil	0.7	3.7	21.9	33	0.4	3.8	1.3	57	1.90	11.2	0.5	<0.5	2.0	6	0.1	0.5	0.3	46	0.05	0.079
930460	Soil	0.3	1.5	11.4	12	0.1	2.0	0.6	31	0.34	0.6	0.4	<0.5	0.5	8	<0.1	0.1	0.1	11	0.06	0.010



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: November 26, 2010

Page: 8 of 10 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
162981	Soil	7	11	0.12	60	0.016	<20	2.58	0.005	0.04	<0.1	0.08	1.0	0.2	<0.05	5	<0.5	<0.2
162982	Soil	7	13	0.13	44	0.037	<20	2.27	0.005	0.03	<0.1	0.07	1.2	<0.1	<0.05	7	0.6	<0.2
162983	Soil	7	13	0.12	38	0.033	<20	1.83	0.006	0.03	<0.1	0.03	1.1	<0.1	<0.05	5	0.5	<0.2
162984	Soil	7	14	0.17	57	0.019	<20	2.74	0.005	0.04	<0.1	0.11	1.3	0.2	<0.05	5	<0.5	<0.2
162985	Soil	10	6	0.04	26	0.018	<20	0.69	0.004	0.02	<0.1	0.02	0.6	0.1	<0.05	5	<0.5	<0.2
162986	Soil	9	9	0.08	57	0.018	<20	0.96	0.005	0.03	<0.1	0.03	0.7	0.1	<0.05	4	<0.5	<0.2
162987	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162988	Soil	9	17	0.16	118	0.021	<20	2.93	0.007	0.04	<0.1	0.09	1.5	<0.1	<0.05	6	0.6	<0.2
162989	Soil	13	12	0.09	83	0.029	<20	0.84	0.007	0.04	<0.1	0.04	0.8	<0.1	<0.05	3	<0.5	<0.2
162990	Soil	9	13	0.05	44	0.046	<20	0.68	0.005	0.03	<0.1	0.04	0.6	<0.1	<0.05	3	<0.5	<0.2
162991	Soil	11	9	0.02	40	0.017	<20	0.50	0.004	0.03	<0.1	0.01	0.3	0.2	<0.05	3	<0.5	<0.2
162992	Soil	9	11	0.07	45	0.021	<20	1.46	0.005	0.03	<0.1	0.05	0.8	0.1	<0.05	4	<0.5	<0.2
162993	Soil	9	11	0.08	52	0.019	<20	2.68	0.005	0.03	0.1	0.06	1.1	<0.1	<0.05	4	0.6	<0.2
162994	Soil	10	11	0.10	78	0.017	<20	2.54	0.006	0.05	<0.1	0.08	1.1	0.1	<0.05	5	<0.5	<0.2
162995	Soil	9	9	0.06	48	0.016	<20	2.86	0.005	0.03	0.1	0.08	0.9	0.1	<0.05	6	<0.5	<0.2
162996	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162997	Soil	10	14	0.10	93	0.008	<20	2.26	0.005	0.05	<0.1	0.06	1.2	0.2	<0.05	4	0.6	<0.2
162998	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162999	Soil	11	10	0.13	44	0.047	<20	0.63	0.007	0.03	<0.1	0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
163000	Soil	9	10	0.12	33	0.078	<20	0.64	0.007	0.03	<0.1	0.03	0.9	<0.1	<0.05	4	<0.5	<0.2
930451	Soil	11	8	0.05	46	0.030	<20	0.55	0.008	0.04	<0.1	0.01	0.4	<0.1	<0.05	2	<0.5	<0.2
930452	Soil	8	16	0.14	45	0.074	<20	2.02	0.008	0.03	<0.1	0.10	1.2	<0.1	<0.05	5	<0.5	<0.2
930453	Soil	9	8	0.07	23	0.065	<20	0.61	0.006	0.03	<0.1	0.03	0.6	0.1	<0.05	6	<0.5	<0.2
930454	Soil	9	4	0.02	20	0.037	<20	0.40	0.008	0.02	<0.1	0.01	0.4	<0.1	<0.05	4	<0.5	<0.2
930455	Soil	13	30	0.21	124	0.015	<20	5.01	0.009	0.13	<0.1	0.10	4.2	0.3	<0.05	14	0.6	<0.2
930456	Soil	10	8	0.03	20	0.053	<20	0.42	0.007	0.02	<0.1	<0.01	0.6	<0.1	<0.05	5	<0.5	<0.2
930457	Soil	10	8	0.15	50	0.038	<20	0.90	0.007	0.03	<0.1	0.02	0.8	<0.1	<0.05	7	<0.5	<0.2
930458	Soil	6	14	0.15	38	0.036	<20	2.09	0.006	0.02	0.1	0.10	1.3	<0.1	<0.05	4	<0.5	<0.2
930459	Soil	8	9	0.07	31	0.050	<20	1.35	0.005	0.03	<0.1	0.04	1.0	<0.1	<0.05	8	<0.5	<0.2
930460	Soil	7	4	0.03	23	0.040	<20	0.41	0.007	0.02	<0.1	0.01	0.4	<0.1	<0.05	3	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: November 26, 2010

Page: 9 of 10 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
930461	Soil	0.6	2.6	9.9	23	<0.1	2.8	1.6	70	1.41	2.7	0.5	<0.5	2.1	5	<0.1	0.3	0.2	40	0.05	0.044
930462	Soil	1.0	4.9	16.9	31	<0.1	4.8	1.9	69	2.23	23.6	0.5	<0.5	2.4	4	<0.1	0.8	0.2	50	0.04	0.098
930463	Soil	0.5	2.1	9.8	12	<0.1	1.8	0.9	34	0.79	2.4	0.4	<0.5	1.4	4	<0.1	0.4	0.1	25	0.03	0.019
930464	Soil	0.7	6.5	7.5	22	0.2	4.7	1.8	87	1.35	5.2	0.3	<0.5	0.5	6	0.1	1.1	0.2	44	0.05	0.042
930465	Soil	1.0	5.8	13.3	42	0.2	5.9	2.4	117	2.88	9.9	0.6	<0.5	2.0	5	<0.1	0.6	0.1	60	0.05	0.166
930466	Soil	1.0	4.5	12.1	28	0.2	6.5	2.2	81	2.18	4.3	0.7	<0.5	2.7	6	0.1	0.3	0.2	44	0.05	0.104
930467	Soil	0.9	8.2	12.3	57	0.1	10.1	5.1	138	2.34	9.2	0.9	<0.5	2.5	8	0.2	0.5	0.2	48	0.05	0.117
930468	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
930469	Soil	0.5	5.7	6.9	36	<0.1	8.5	4.4	151	1.53	4.4	0.6	<0.5	1.5	6	<0.1	0.4	<0.1	37	0.08	0.058
930470	Soil	0.4	2.2	15.1	16	<0.1	2.3	1.0	58	0.63	1.8	0.4	<0.5	1.4	7	<0.1	0.2	0.2	20	0.04	0.016
930471	Soil	0.4	3.1	16.5	23	<0.1	3.8	1.5	136	0.62	1.7	0.5	<0.5	0.9	16	<0.1	0.2	0.2	17	0.13	0.014
930472	Soil	0.5	2.5	16.5	22	<0.1	2.9	1.3	153	0.76	2.4	0.4	<0.5	1.7	6	<0.1	0.2	0.2	22	0.04	0.029
930473	Soil	1.0	4.3	12.5	27	0.2	3.9	1.9	82	1.68	7.5	0.5	<0.5	1.3	6	<0.1	0.4	0.2	37	0.03	0.074
930474	Soil	0.7	2.6	18.0	18	<0.1	2.4	1.2	54	0.75	4.2	0.6	<0.5	0.7	11	<0.1	0.4	0.2	30	0.07	0.009
930475	Soil	0.7	3.5	13.0	23	<0.1	3.5	1.3	53	1.03	5.8	0.4	<0.5	1.1	7	<0.1	0.3	0.2	28	0.03	0.044
930476	Soil	1.1	5.3	15.2	42	<0.1	5.6	4.2	326	2.00	10.4	0.7	<0.5	2.3	9	0.1	0.3	0.2	54	0.05	0.054
930477	Soil	0.8	3.3	15.0	23	<0.1	3.9	1.7	93	0.98	7.7	0.5	<0.5	1.8	8	<0.1	0.3	0.2	31	0.05	0.023
930478	Soil	1.3	7.1	12.6	41	0.2	5.0	3.0	207	1.80	20.1	0.7	<0.5	2.5	20	<0.1	0.5	0.2	38	0.06	0.102
930479	Soil	1.1	4.3	8.3	34	<0.1	4.6	2.2	188	1.44	5.2	0.6	<0.5	2.1	12	<0.1	0.4	0.3	39	0.04	0.033
930480	Soil	2.3	4.8	11.4	45	0.3	3.7	2.1	122	1.54	9.0	0.5	<0.5	1.8	7	0.1	0.2	0.2	33	0.03	0.065
930481	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
930482	Soil	1.2	10.3	12.7	37	<0.1	6.4	4.4	116	1.86	12.7	1.3	<0.5	1.4	22	0.1	0.5	0.1	40	0.10	0.057
930483	Soil	3.8	14.0	24.1	75	0.6	16.5	4.3	2484	1.64	14.5	6.1	<0.5	0.3	141	1.1	1.0	0.2	24	1.38	0.125
930484	Soil	1.0	5.0	12.1	91	0.3	7.3	3.6	353	1.72	6.6	0.5	<0.5	2.3	8	0.1	0.2	0.1	37	0.07	0.113
930485	Soil	0.8	4.7	10.8	47	<0.1	5.7	3.3	202	1.54	4.5	0.5	<0.5	1.7	8	0.1	0.2	0.1	36	0.08	0.063
930486	Soil	1.2	6.3	12.0	70	0.2	6.7	3.9	170	1.88	5.9	0.5	<0.5	2.2	7	<0.1	0.1	0.1	40	0.07	0.130
930487	Soil	0.8	4.5	10.3	48	0.1	5.7	2.1	85	1.01	3.9	0.4	1.7	1.5	7	<0.1	0.1	0.1	28	0.06	0.078
930488	Soil	1.0	5.5	16.6	62	0.3	5.3	3.4	115	2.28	9.5	0.6	1.9	2.5	7	0.1	0.4	0.2	49	0.09	0.095
930489	Soil	0.9	2.0	19.0	22	0.1	1.5	1.0	54	0.69	2.5	0.4	1.8	1.3	6	<0.1	0.2	0.1	24	0.06	0.017
930490	Soil	0.9	2.4	15.1	33	<0.1	2.5	1.2	59	1.32	6.4	0.4	<0.5	1.7	6	<0.1	0.5	0.2	38	0.06	0.023



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: November 26, 2010

Page: 9 of 10 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
930461	Soil	8	9	0.08	29	0.074	<20	0.80	0.006	0.02	<0.1	0.02	0.9	<0.1	<0.05	7	<0.5	<0.2
930462	Soil	7	12	0.09	37	0.047	<20	1.67	0.005	0.02	<0.1	0.04	1.3	<0.1	<0.05	7	<0.5	<0.2
930463	Soil	7	6	0.02	25	0.046	<20	0.41	0.006	0.02	<0.1	<0.01	0.5	<0.1	<0.05	4	<0.5	<0.2
930464	Soil	9	9	0.09	42	0.027	<20	0.95	0.005	0.02	<0.1	0.02	1.2	<0.1	<0.05	6	<0.5	<0.2
930465	Soil	6	18	0.11	35	0.036	<20	3.31	0.007	0.03	<0.1	0.08	1.5	<0.1	<0.05	8	<0.5	0.3
930466	Soil	6	14	0.10	33	0.061	<20	2.48	0.008	0.02	<0.1	0.04	1.3	<0.1	<0.05	7	<0.5	<0.2
930467	Soil	6	22	0.20	54	0.068	<20	2.33	0.007	0.03	<0.1	0.04	1.8	<0.1	<0.05	4	<0.5	<0.2
930468	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
930469	Soil	7	14	0.16	41	0.066	<20	1.07	0.009	0.02	<0.1	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
930470	Soil	8	6	0.05	26	0.071	<20	0.52	0.005	0.02	<0.1	<0.01	0.6	<0.1	<0.05	3	<0.5	<0.2
930471	Soil	8	8	0.09	66	0.041	<20	0.70	0.011	0.03	<0.1	<0.01	0.8	<0.1	<0.05	3	<0.5	<0.2
930472	Soil	8	6	0.06	39	0.055	<20	0.65	0.008	0.02	<0.1	<0.01	0.9	0.1	<0.05	5	<0.5	<0.2
930473	Soil	6	10	0.06	31	0.033	<20	1.19	0.006	0.03	<0.1	0.02	0.9	<0.1	<0.05	5	<0.5	<0.2
930474	Soil	7	8	0.08	37	0.084	<20	0.52	0.006	0.03	<0.1	<0.01	0.7	<0.1	<0.05	3	<0.5	<0.2
930475	Soil	7	7	0.06	28	0.042	<20	0.63	0.005	0.03	<0.1	0.03	0.7	<0.1	<0.05	5	<0.5	<0.2
930476	Soil	11	13	0.14	78	0.047	<20	1.05	0.008	0.04	<0.1	0.02	1.4	<0.1	<0.05	6	<0.5	<0.2
930477	Soil	8	8	0.09	34	0.058	<20	0.58	0.005	0.03	<0.1	<0.01	1.0	<0.1	<0.05	4	<0.5	<0.2
930478	Soil	9	11	0.15	74	0.025	<20	0.90	0.006	0.05	<0.1	0.02	1.2	0.2	<0.05	5	<0.5	<0.2
930479	Soil	9	12	0.07	41	0.045	<20	0.77	0.006	0.04	<0.1	<0.01	1.1	0.1	<0.05	6	<0.5	<0.2
930480	Soil	7	8	0.08	44	0.012	<20	1.39	0.004	0.03	<0.1	0.03	1.2	0.2	<0.05	5	<0.5	<0.2
930481	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
930482	Soil	15	14	0.20	86	0.058	<20	1.01	0.007	0.04	<0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
930483	Soil	28	20	0.20	293	0.011	<20	1.84	0.016	0.08	<0.1	0.15	2.0	0.2	0.10	4	1.0	<0.2
930484	Soil	8	15	0.11	80	0.028	<20	2.15	0.009	0.03	<0.1	0.06	1.4	0.2	<0.05	5	<0.5	<0.2
930485	Soil	8	11	0.10	56	0.039	<20	1.49	0.005	0.03	<0.1	0.03	1.1	0.1	<0.05	4	<0.5	<0.2
930486	Soil	8	14	0.11	71	0.034	<20	2.35	0.006	0.04	<0.1	0.04	1.6	0.1	<0.05	6	<0.5	<0.2
930487	Soil	8	10	0.08	76	0.026	<20	1.22	0.005	0.03	<0.1	0.04	1.0	<0.1	<0.05	4	<0.5	<0.2
930488	Soil	9	15	0.12	36	0.072	<20	1.69	0.009	0.03	<0.1	0.05	1.3	<0.1	<0.05	5	<0.5	<0.2
930489	Soil	8	7	0.02	21	0.054	<20	0.78	0.005	0.02	<0.1	0.03	0.5	<0.1	<0.05	4	<0.5	<0.2
930490	Soil	10	10	0.04	23	0.058	<20	0.74	0.005	0.02	<0.1	0.02	0.7	<0.1	<0.05	5	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water
Report Date: November 26, 2010

Page: 10 of 10 Part 1

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
930491	Soil	1.0	6.2	15.1	60	0.7	5.6	3.0	105	2.14	6.7	0.6	<0.5	1.7	8	0.2	0.5	0.1	44	0.10	0.071
930492	Soil	2.0	6.2	15.7	85	0.3	7.2	3.1	318	0.94	34.7	9.9	1.4	0.7	57	0.3	0.7	0.2	29	0.50	0.042
930493	Soil	0.7	3.9	8.7	34	0.1	3.6	2.1	106	1.61	2.6	0.4	<0.5	1.8	6	<0.1	0.2	0.2	43	0.07	0.060
930494	Soil	0.7	1.9	9.7	17	<0.1	1.9	1.1	45	0.71	2.4	0.3	<0.5	1.6	6	<0.1	0.2	0.2	27	0.05	0.021
930495	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
930496	Soil	0.6	4.4	13.0	39	<0.1	3.6	2.5	175	1.99	3.0	0.5	<0.5	2.1	7	<0.1	0.2	0.1	49	0.08	0.086
930497	Soil	0.8	5.9	10.2	58	0.2	4.3	2.7	84	2.33	5.2	0.5	<0.5	1.9	8	0.1	0.2	0.1	58	0.09	0.158
930498	Soil	0.6	3.7	11.1	39	<0.1	3.6	2.6	114	1.67	3.2	0.5	<0.5	1.9	6	<0.1	0.2	0.1	39	0.06	0.076
930499	Soil	0.4	1.9	11.2	24	<0.1	1.9	1.0	46	0.66	1.5	0.3	<0.5	1.7	6	<0.1	0.1	0.1	26	0.05	0.033
930500	Soil	0.7	4.9	10.2	82	<0.1	4.5	2.5	86	1.53	4.2	0.7	<0.5	3.0	6	0.1	0.2	0.1	30	0.06	0.122



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:

UTM Exploration Services Ltd.

Box 3992

Smithers BC V0J 2N0 Canada

Newgold Inc.

Project:

West Black Water

Report Date:

November 26, 2010

Page:

10 of 10 Part 2

CERTIFICATE OF ANALYSIS

SMI10000792B.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
930491	Soil	7	16	0.13	42	0.061	<20	2.20	0.007	0.03	0.1	0.09	1.6	<0.1	<0.05	4	<0.5	<0.2
930492	Soil	12	22	0.17	73	0.052	<20	1.24	0.010	0.06	<0.1	0.05	2.1	<0.1	<0.05	3	<0.5	<0.2
930493	Soil	8	13	0.07	26	0.064	<20	1.18	0.005	0.03	<0.1	0.03	0.8	0.1	<0.05	6	0.6	<0.2
930494	Soil	10	8	0.02	24	0.056	<20	0.73	0.004	0.02	<0.1	0.01	0.6	<0.1	<0.05	4	<0.5	<0.2
930495	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
930496	Soil	8	13	0.09	39	0.085	<20	1.44	0.006	0.03	<0.1	0.03	1.4	<0.1	<0.05	7	<0.5	<0.2
930497	Soil	7	17	0.10	62	0.060	<20	2.68	0.006	0.02	<0.1	0.05	1.7	<0.1	0.06	7	<0.5	<0.2
930498	Soil	7	12	0.08	33	0.050	<20	1.48	0.006	0.03	<0.1	0.04	1.2	<0.1	<0.05	6	<0.5	<0.2
930499	Soil	8	7	0.04	24	0.053	<20	1.31	0.005	0.02	<0.1	0.02	0.8	<0.1	<0.05	5	<0.5	<0.2
930500	Soil	8	13	0.10	52	0.020	<20	2.60	0.005	0.04	<0.1	0.09	1.3	0.1	<0.05	4	<0.5	<0.2



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water

Report Date: November 26, 2010

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

SMI10000792B.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
162375	Soil	0.8	3.5	13.6	46	<0.1	4.6	1.7	133	0.93	1.1	0.6	<0.5	1.7	6	0.1	0.1	0.2	25	0.07	0.067
REP 162375	QC	0.8	3.9	13.1	47	<0.1	4.9	1.7	136	0.90	1.1	0.5	<0.5	1.6	6	0.1	0.1	0.2	24	0.08	0.070
162398	Soil	0.5	2.0	7.1	14	0.1	2.4	0.8	40	0.73	1.4	0.4	<0.5	1.1	5	<0.1	0.1	0.2	20	0.03	0.020
REP 162398	QC	0.4	2.0	7.4	13	0.1	2.6	0.9	41	0.77	1.2	0.4	1.7	1.2	5	<0.1	0.1	0.2	22	0.03	0.019
162448	Soil	4.8	14.1	31.7	83	0.4	14.7	4.4	1324	1.39	32.8	23.7	1.5	0.9	108	0.6	0.5	0.4	30	1.15	0.048
REP 162448	QC	4.9	14.5	31.1	81	0.4	14.2	4.3	1308	1.34	32.2	23.9	1.1	0.7	106	0.5	0.6	0.4	29	1.12	0.045
162959	Soil	1.5	5.1	10.2	36	0.2	5.2	3.0	158	1.85	5.4	0.5	<0.5	1.3	6	<0.1	0.2	0.2	42	0.05	0.131
REP 162959	QC	1.6	5.5	10.5	37	0.2	5.0	3.0	165	1.81	5.4	0.5	<0.5	1.3	6	<0.1	0.2	0.2	42	0.05	0.130
162975	Soil	0.7	5.2	12.9	59	0.6	6.4	3.4	202	2.08	6.7	0.8	<0.5	3.5	6	0.1	0.3	0.2	38	0.06	0.179
REP 162975	QC	0.8	4.6	12.4	59	0.6	5.9	3.3	195	2.03	6.3	0.7	<0.5	3.3	6	0.1	0.3	0.1	36	0.06	0.174
930498	Soil	0.6	3.7	11.1	39	<0.1	3.6	2.6	114	1.67	3.2	0.5	<0.5	1.9	6	<0.1	0.2	0.1	39	0.06	0.076
REP 930498	QC	0.7	3.8	11.6	42	<0.1	4.4	2.8	126	1.79	3.3	0.5	0.6	2.1	7	<0.1	0.2	0.1	41	0.07	0.083
Reference Materials																					
STD DS7	Standard	20.0	103.1	69.9	385	0.9	54.3	8.8	558	2.16	47.2	4.8	63.8	4.4	63	5.7	4.8	4.6	78	0.85	0.070
STD DS7	Standard	21.1	110.1	71.6	394	1.0	55.6	9.4	600	2.27	48.2	4.8	474.5	4.4	68	5.7	5.0	4.6	83	0.87	0.069
STD DS7	Standard	27.4	120.3	57.9	409	0.9	61.8	10.2	658	2.47	52.4	4.3	62.3	3.9	61	6.2	4.4	3.9	92	1.02	0.078
STD DS7	Standard	23.1	141.1	55.5	438	1.0	61.0	9.9	667	2.54	51.3	4.1	62.7	3.8	66	6.4	4.9	3.9	89	0.99	0.078
STD DS7	Standard	22.2	114.1	57.4	410	1.1	61.3	9.9	619	2.44	55.0	4.0	58.0	3.9	67	6.6	4.7	4.0	87	1.01	0.080
STD DS7	Standard	20.0	101.4	66.9	392	1.2	55.3	9.4	598	2.34	49.2	5.0	70.5	4.3	69	6.5	5.0	4.7	81	0.88	0.077
STD DS7	Standard	22.0	117.8	71.3	397	0.9	58.1	9.6	624	2.39	51.9	4.7	51.3	4.7	74	5.8	4.4	4.5	86	0.95	0.075
STD DS8	Standard	14.6	119.0	132.5	325	1.9	41.2	7.9	639	2.56	27.2	3.0	105.7	7.0	66	2.3	5.0	6.9	45	0.69	0.081
STD OREAS45PA	Standard	1.0	558.7	17.3	113	0.3	255.6	102.4	1031	14.95	4.5	1.1	43.9	5.8	12	0.1	0.1	0.2	206	0.23	0.034
STD OREAS45PA	Standard	1.0	576.6	18.4	114	0.3	283.0	99.0	1006	15.19	4.2	1.2	45.7	6.6	13	<0.1	0.1	0.2	205	0.22	0.031
STD OREAS45PA	Standard	0.9	584.0	19.1	106	0.3	286.1	99.3	1002	15.04	3.9	1.2	45.8	6.8	13	<0.1	0.1	0.2	205	0.21	0.029
STD OREAS45PA	Standard	1.1	648.6	15.2	122	0.3	313.3	109.7	1064	16.17	4.6	1.0	52.2	5.5	12	<0.1	0.1	0.1	215	0.24	0.032
STD OREAS45PA	Standard	1.1	655.7	16.1	127	0.3	324.5	117.3	1145	17.18	4.7	1.0	41.1	5.6	13	0.1	0.2	0.1	223	0.25	0.035
STD OREAS45PA	Standard	0.9	655.4	15.1	123	0.3	328.4	111.7	1082	16.79	4.6	1.0	52.2	5.3	12	0.1	0.1	0.2	220	0.22	0.032
STD OREAS45PA	Standard	0.9	553.3	16.6	115	0.3	254.7	98.5	1024	15.67	4.4	1.1	39.7	5.9	12	<0.1	0.1	0.2	190	0.22	0.034



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water

Report Date: November 26, 2010

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

SMI10000792B.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
162375	Soil	14	10	0.07	67	0.023	<20	1.19	0.005	0.05	<0.1	0.03	0.8	<0.1	<0.05	4	<0.5	<0.2
REP 162375	QC	14	11	0.07	69	0.022	<20	1.20	0.005	0.05	<0.1	0.03	0.8	0.1	<0.05	4	<0.5	<0.2
162398	Soil	9	7	0.03	27	0.034	<20	0.63	0.003	0.03	<0.1	0.02	0.4	0.1	<0.05	4	<0.5	<0.2
REP 162398	QC	9	7	0.03	28	0.035	<20	0.63	0.002	0.03	<0.1	0.02	0.5	0.1	<0.05	4	<0.5	<0.2
162448	Soil	30	35	0.22	285	0.015	<20	1.64	0.011	0.11	<0.1	0.14	2.1	0.2	<0.05	4	<0.5	<0.2
REP 162448	QC	29	34	0.21	275	0.014	<20	1.51	0.011	0.10	<0.1	0.14	1.7	0.2	<0.05	4	<0.5	<0.2
162959	Soil	10	13	0.09	88	0.027	<20	1.85	0.008	0.05	<0.1	0.05	0.9	0.1	<0.05	6	0.6	<0.2
REP 162959	QC	11	14	0.09	88	0.028	<20	1.85	0.007	0.05	<0.1	0.04	1.1	0.1	<0.05	7	<0.5	<0.2
162975	Soil	7	16	0.12	36	0.026	<20	2.38	0.005	0.03	0.1	0.07	1.2	<0.1	<0.05	5	<0.5	<0.2
REP 162975	QC	7	15	0.12	36	0.023	<20	2.33	0.005	0.03	0.1	0.08	1.1	<0.1	<0.05	5	<0.5	<0.2
930498	Soil	7	12	0.08	33	0.050	<20	1.48	0.006	0.03	<0.1	0.04	1.2	<0.1	<0.05	6	<0.5	<0.2
REP 930498	QC	8	12	0.08	34	0.058	<20	1.56	0.006	0.03	<0.1	0.05	1.3	0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	12	181	0.96	364	0.111	28	0.91	0.083	0.41	3.3	0.21	2.1	4.2	0.19	4	3.3	1.5
STD DS7	Standard	13	187	1.01	386	0.124	35	0.98	0.087	0.45	3.4	0.24	2.4	4.2	0.18	5	3.1	1.3
STD DS7	Standard	12	227	1.08	398	0.116	25	1.05	0.095	0.47	3.2	0.22	2.5	4.3	0.27	5	3.0	0.8
STD DS7	Standard	13	211	1.11	421	0.121	35	1.06	0.099	0.47	3.4	0.22	2.6	4.2	0.29	5	3.9	0.9
STD DS7	Standard	14	213	1.06	396	0.132	39	1.04	0.098	0.46	3.4	0.22	2.5	4.1	0.27	4	4.0	1.4
STD DS7	Standard	12	183	1.05	412	0.112	23	0.97	0.090	0.46	3.5	0.23	2.2	4.1	0.24	5	3.6	1.9
STD DS7	Standard	12	194	1.08	393	0.124	37	1.04	0.094	0.45	3.2	0.22	2.3	4.2	0.17	5	3.2	1.0
STD DS8	Standard	14	123	0.64	310	0.117	<20	0.88	0.083	0.42	2.7	0.20	2.1	5.6	0.17	5	5.2	5.0
STD OREAS45PA	Standard	15	744	0.10	172	0.117	<20	2.82	0.011	0.07	<0.1	0.04	36.9	<0.1	<0.05	16	0.6	<0.2
STD OREAS45PA	Standard	16	754	0.11	174	0.136	<20	3.12	0.011	0.07	<0.1	0.03	42.2	<0.1	<0.05	16	0.8	<0.2
STD OREAS45PA	Standard	16	774	0.11	172	0.130	<20	3.05	0.011	0.07	<0.1	0.03	40.3	<0.1	<0.05	15	<0.5	<0.2
STD OREAS45PA	Standard	16	1006	0.10	176	0.127	<20	3.45	0.010	0.08	<0.1	0.03	44.1	<0.1	<0.05	17	0.5	0.3
STD OREAS45PA	Standard	16	1064	0.10	181	0.134	<20	3.42	0.011	0.08	<0.1	0.03	44.2	<0.1	<0.05	17	0.8	<0.2
STD OREAS45PA	Standard	15	1052	0.10	177	0.153	<20	3.63	0.011	0.08	<0.1	0.03	44.5	<0.1	0.05	18	1.4	<0.2
STD OREAS45PA	Standard	14	735	0.09	171	0.108	<20	2.83	0.007	0.07	<0.1	0.02	33.4	<0.1	<0.05	16	<0.5	<0.2



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: UTM Exploration Services Ltd.
Box 3992
Smithers BC V0J 2N0 Canada

Project: West Black Water

Report Date: November 26, 2010

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

SMI10000792B.1

		1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
STD OREAS45PA	Standard	0.9	588.5	18.6	111	0.3	287.4	105.0	1041	15.85	4.1	1.2	43.3	6.6	14	<0.1	0.1	0.2	213	0.23	0.032
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	50	4.9	70	4.4	72	6.4	4.6	4.5	84	0.93	0.08
STD OREAS45PA Expected		0.9	600	19	119	0.3	281	104	1130	16.559	4.2	1.2	43	6	14	0.09	0.13	0.18	221	0.2411	0.034
STD DS8 Expected		12.87	113	126	313	1.71	40.6	7.9	622	2.54	27.73	2.89	99	7.91	70.74	2.35	4.89	6.67	41	0.76	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: West Black Water

Report Date: November 26, 2010

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

SMI10000792B.1

		1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Sc ppm	1DX Ti ppm	1DX S %	1DX Ga ppm	1DX Se ppm	1DX Te ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD OREAS45PA	Standard	15	784	0.11	170	0.131	<20	3.18	0.013	0.07	<0.1	0.03	39.3	<0.1	<0.05	16	<0.5	<0.2
STD DS7 Expected		13	192	1.05	410	0.124	39	1.0195	0.089	0.44	3.4	0.21	2.5	4.2	0.19	5	3.5	1.18
STD OREAS45PA Expected		16.2	873	0.095	187	0.124		3.34	0.011	0.0665	0.011	0.03	43	0.07	0.03	16.8	0.54	
STD DS8 Expected		17.2	117.9	0.62	279	0.13	12	0.96	0.09	0.4	3.18	0.192	2.77	5.58	0.17	5	5.9	5.15
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: UTM Exploration Services Ltd.
Box 3992
Smithers BC V0J 2N0 Canada

Submitted By: Kyler Hardy
Receiving Lab: Canada-Smithers
Received: November 30, 2010
Report Date: December 21, 2010
Page: 1 of 2

CERTIFICATE OF ANALYSIS

SMI10000868.1

CLIENT JOB INFORMATION

Project: Chilcotin
Shipment ID:
P.O. Number: CHI-06
Number of Samples: 3

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	3	Crush, split and pulverize 250 g rock to 200 mesh			SMI
1D01	3	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

ADDITIONAL COMMENTS

DUP not match - Subject to recheck on Sample IDs G1, G1, 19501, 19501 DUP, 19502 & 19503 from rock reject

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

Invoice To: UTM Exploration Services Ltd.
Box 3992
Smithers BC V0J 2N0
Canada

CC: Mike England
Bob Weicker



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. ** 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:

UTM Exploration Services Ltd.

Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project:

Chilcotin

Report Date:

December 21, 2010

Page:

2 of 2 Part 1

CERTIFICATE OF ANALYSIS

SMI10000868.1

Method	WGHT	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	0.001	
19501	Rock	0.92	2	27	4	55	<0.3	17	12	435	2.95	<2	<2	5	36	<0.5	<3	<3	79	0.61	0.100
19502	Rock	0.53	2	29	4	57	<0.3	18	12	445	2.92	<2	<2	5	34	<0.5	<3	<3	81	0.62	0.101
19503	Rock	0.68	<1	<1	6	13	<0.3	<1	<1	390	0.57	<2	<2	5	28	<0.5	<3	<3	4	0.24	0.005



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:

UTM Exploration Services Ltd.

Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project:

Chilcotin

Report Date:

December 21, 2010

Page:

2 of 2

Part 2

CERTIFICATE OF ANALYSIS

SMI10000868.1

Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Sc	Ga	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	5	5	
19501	Rock	13	27	0.98	58	0.168	<20	1.15	0.12	0.10	<2	<0.05	<5	<5
19502	Rock	13	27	1.01	55	0.174	<20	1.14	0.10	0.09	<2	<0.05	<5	<5
19503	Rock	14	1	0.02	79	0.004	<20	0.35	0.08	0.20	<2	<0.05	<5	<5



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: Chilcotin
Report Date: December 21, 2010

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

SMI10000868.1

Method	WGHT	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	0.001	
Core Reject Duplicates																					
19501	Rock	0.92	2	27	4	55	<0.3	17	12	435	2.95	<2	<2	5	36	<0.5	<3	<3	79	0.61	0.100
DUP 19501	QC		2	6	5	30	<0.3	4	2	336	1.26	7	<2	8	9	<0.5	<3	<3	10	0.22	0.026
Reference Materials																					
STD DS7	Standard		20	95	62	387	0.8	50	8	591	2.25	45	<2	4	72	5.8	4	5	79	0.93	0.072
STD DS7	Standard		22	112	71	432	0.8	55	9	646	2.47	49	<2	4	75	6.1	4	<3	85	0.99	0.077
STD DS8	Standard		13	104	122	314	1.5	37	7	609	2.43	26	<2	6	65	2.2	5	6	41	0.72	0.077
STD DS8	Standard		13	105	123	327	1.5	37	8	615	2.46	25	<2	6	65	2.2	5	6	41	0.70	0.078
STD OREAS45PA	Standard		3	622	16	115	<0.3	307	110	1080	16.98	<2	<2	6	14	<0.5	<3	<3	215	0.24	0.035
STD OREAS45PA	Standard		3	607	17	118	<0.3	294	112	1112	16.76	<2	<2	6	14	<0.5	<3	<3	213	0.25	0.035
STD DS7 Expected			21	109	71	411	0.9	56	10	627	2.39	50	0.07	4	72	6.4	5	5	84	0.93	0.08
STD OREAS45PA Expected			0.9	600	19	119	0.3	281	104	1130	16.559	4.2	0.043	6	14	0.09	0.13	0.18	221	0.2411	0.034
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	0.107	6.89	67.7	2.38	4.8	6.67	41.1	0.7	0.08
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001
Prep Wash																					
G1	Prep Blank		<1	2	4	50	<0.3	5	3	583	1.99	<2	<2	6	71	<0.5	<3	<3	39	0.60	0.076
G1	Prep Blank		<1	2	3	53	<0.3	4	3	597	2.08	<2	<2	5	77	<0.5	<3	<3	39	0.62	0.075



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: **UTM Exploration Services Ltd.**
Box 3992
Smithers BC V0J 2N0 Canada

Newgold Inc.

Project: Chilcotin
Report Date: December 21, 2010

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

SMI10000868.1

Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Sc	
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	5	
Core Reject Duplicates														
19501	Rock	13	27	0.98	58	0.168	<20	1.15	0.12	0.10	<2	<0.05	<5	<5
DUP 19501	QC	9	8	0.14	27	0.017	<20	0.55	0.09	0.31	<2	<0.05	<5	<5
Reference Materials														
STD DS7	Standard	12	179	1.00	390	0.115	30	0.99	0.09	0.44	3	0.20	<5	5
STD DS7	Standard	13	190	1.09	430	0.124	40	1.07	0.10	0.49	3	0.22	<5	<5
STD DS8	Standard	16	115	0.60	294	0.114	<20	0.91	0.09	0.41	3	0.17	<5	7
STD DS8	Standard	13	116	0.61	298	0.111	<20	0.90	0.09	0.42	3	0.17	<5	<5
STD OREAS45PA	Standard	17	849	0.11	184	0.145	<20	3.69	<0.01	0.08	<2	<0.05	52	17
STD OREAS45PA	Standard	17	816	0.10	188	0.131	<20	3.40	<0.01	0.07	<2	<0.05	53	10
STD DS7 Expected		13	192	1.05	410	0.124	39	1.0195	0.089	0.44	3	0.19	2.5	4.6
STD OREAS45PA Expected		16.2	873	0.095	187	0.124		3.34	0.011	0.0665	0.011	0.03		
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.1679	2.3	4.7
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<5	<5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<5	<5
Prep Wash														
G1	Prep Blank	12	7	0.60	211	0.139	<20	1.10	0.11	0.50	<2	<0.05	<5	7
G1	Prep Blank	12	7	0.59	217	0.144	<20	1.14	0.12	0.51	<2	<0.05	<5	7

Appendix II: Laboratory Methodologies



METHOD SPECIFICATIONS

GROUP 1D AND 1F – GEOCHEMICAL AQUA REGIA DIGESTION

Package Codes:	1D01 to 1D03, 1DX1 to 1DX3, 1F01 to 1F07
Sample Digestion:	HNO₃-HCl acid digestion
Instrumentation Method:	ICP-ES (1D), ICP-MS (1DX, 1F)
Applicability:	Sediment, Soil, Non-mineralized Rock and Drill Core

Method Description:

Prepared sample is digested with a modified Aqua Regia solution of equal parts concentrated HCl, HNO₃ and DI H₂O for one hour in a heating block of hot water bath. Sample is made up to volume with dilute HCl. Sample splits of 0.5g, 15g or 30g can be analyzed.

Element	Group 1D Detection	Group 1DX Detection	Group 1F Detection	Upper Limit
Ag	0.3 ppm	0.1 ppm	2 ppb	100 ppm
Al*	0.01%	0.01%	0.01%	10%
As	2 ppm	0.5 ppm	0.1 ppm	10000 ppm
Au	2 ppm	0.5 ppb	0.2 ppb	100 ppm
B*^	20 ppm	20 ppm	20 ppm	2000 ppm
Ba*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Bi	3 ppm	0.1 ppm	0.02 ppm	2000 ppm
Ca*	0.01%	0.01%	0.01%	40%
Cd	0.5 ppm	0.1 ppm	0.01 ppm	2000 ppm
Co	1 ppm	0.1 ppm	0.1 ppm	2000 ppm
Cr*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Cu	1 ppm	0.1 ppm	0.01 ppm	10000 ppm
Fe*	0.01%	0.01%	0.01%	40%
Ga*	-	1 ppm	0.1 ppm	1000 ppm
Hg	1 ppm	0.01 ppm	5 ppb	50 ppm
K*	0.01%	0.01%	0.01%	10%
La*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Mg*	0.01%	0.01%	0.01%	30%
Mn*	2 ppm	1 ppm	1 ppm	10000 ppm
Mo	1 ppm	0.1 ppm	0.01 ppm	2000 ppm
Na*	0.01%	0.001%	0.001%	5%
Ni	1 ppm	0.1 ppm	0.1 ppm	10000 ppm
P*	0.001%	0.001%	0.001%	5%
Pb	3 ppm	0.1 ppm	0.01 ppm	10000 ppm
S	0.05%	0.05%	0.02%	10%



Element	Group 1D Detection	Group 1DX Detection	Group 1F Detection	Upper Limit
Sb	3 ppm	0.1 ppm	0.02 ppm	2000 ppm
Sc	-	0.1 ppm	0.1 ppm	100 ppm
Se	-	0.5 ppm	0.1 ppm	100 ppm
Sr*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Te	-	0.2 ppm	0.02 ppm	1000 ppm
Th*	2 ppm	0.1 ppm	0.1 ppm	2000 ppm
Ti*	0.01%	0.001%	0.001%	5%
Tl	5 ppm	0.1 ppm	0.02 ppm	1000 ppm
U*	8 ppm	0.1 ppm	0.05 ppm	2000 ppm
V*	1 ppm	2 ppm	2 ppm	10000 ppm
W*	2 ppm	0.1 ppm	0.05 ppm	100 ppm
Zn	1 ppm	1 ppm	0.1 ppm	10000 ppm
Be*	-	-	0.1 ppm	1000 ppm
Ce*	-	-	0.1 ppm	2000 ppm
Cs*	-	-	0.02 ppm	2000 ppm
Ge*	-	-	0.1 ppm	100 ppm
Hf*	-	-	0.02 ppm	1000 ppm
In	-	-	0.02 ppm	1000 ppm
Li*	-	-	0.1 ppm	2000 ppm
Nb*	-	-	0.02 ppm	2000 ppm
Rb*	-	-	0.1 ppm	2000 ppm
Re	-	-	1 ppb	1000 ppb
Sn*	-	-	0.1 ppm	100 ppm
Ta*	-	-	0.05 ppm	2000 ppm
Y*	-	-	0.01 ppm	2000 ppm
Zr*	-	-	0.1 ppm	2000 ppm
Pt*	-	-	2 ppb	100 ppm
Pd*	-	-	10 ppb	100 ppm
Pb ₂₀₄	-	-	0.01 ppm	10000 ppm
Pb ₂₀₆	-	-	0.01 ppm	10000 ppm
Pb ₂₀₇	-	-	0.01 ppm	10000 ppm
Pb ₂₀₈	-	-	0.01 ppm	10000 ppm

* Solubility of some elements will be limited by mineral species present.

^Detection limit = 1 ppm for 15g / 30g analysis.

Limitations:

Au solubility can be limited by refractory and graphitic samples.

Appendix III: Rock Sample Field Data and Photos

Table 1: Rock samples (all float; all coordinates in UTM NAD 83 Zone 9):

Sample_No	East	North	Elev	Type	Description
19501	372098	5895182	1347	Grab	30cm float boulder of porphyry with sericite altd clasts, mm scale qtz-carbonate stockwork, tr disseminated v fgr py, abundant plagioclase fsp phenocrysts
19502	372433	5893981	1448	Grab	<40cm float boulder in N flowing creek at SE claim corner. Volcanic breccia with tr fgr py, and one 3cm volcanic (pumiceous?) clast with 7% py
19503	371654	5895553	1392	Grab	30cm boulder float. Sub mm anastomosing veinlets infilled with FeOx. Host: pink volcanic breccia with sub mm clasts; siliceous-patchy hem groundmass with sericite altd clasts, rounded Mn coated qtz eyes

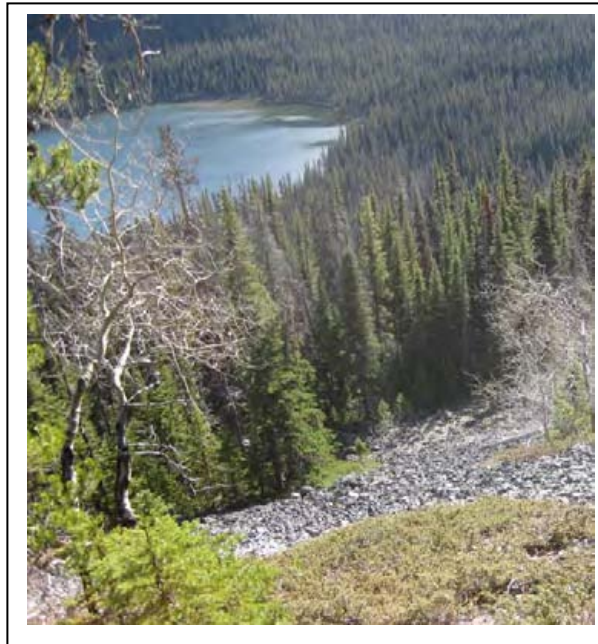


Photo 1: view to SE of boulder field near SW corner of claim area 370561E 5894519N

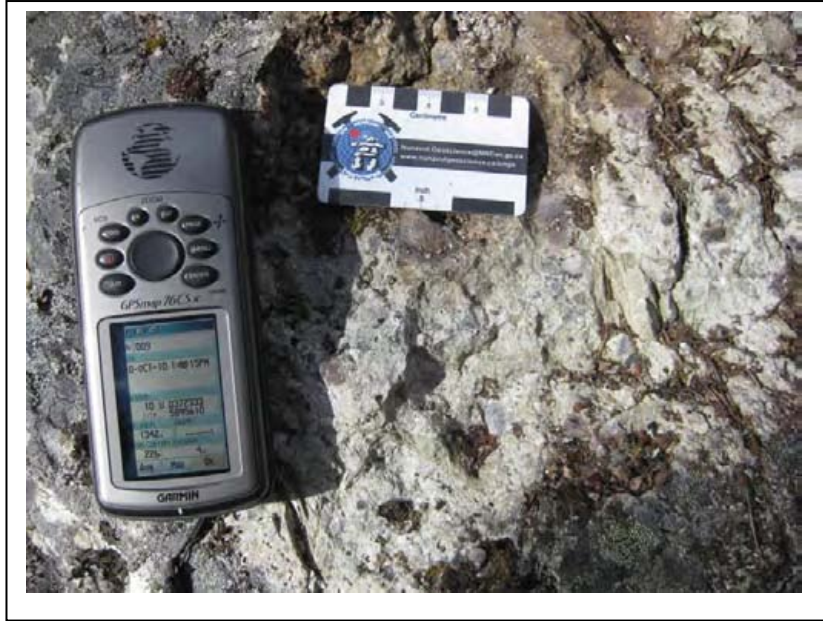


Photo 2: Volcanic breccia (VBx) float 372333E 5895610N



Photo 3: Rhyolite clast in volcanic breccia 371228E 5895630N

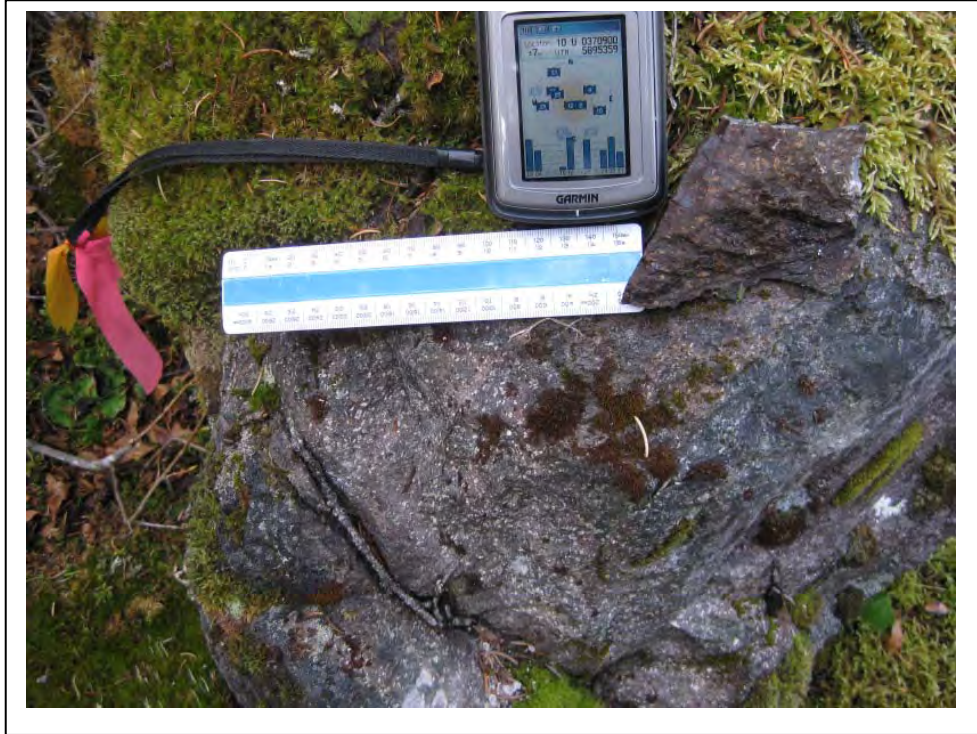


Photo 4: Plagioclase lath rich porphyry (Po) 370901E 5895362N



Photo 5: vesicular basalt float 371361E 5895850N



Photo 6: Sample 19501; 372098E 5895182N



Photo 7: Sample 19502; 372433E 5893981N



Photo 8: Sample 19503; 371654E 5895553N

Appendix IV: Soil Sample Field Data

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
161839	500	4025	B	Grey	10% Clay, 90% Sand	370500	5894023	50 degree south facing slope, sample taken from a depth of 8"
161840	500	4075	B	Brown	20% Clay, 80% Sand	370497	5894077	50 degree south facing slope, Rocky
161841	500	4125	B	Dark Brown	10% Clay, 10% Silt 80% Sand	370503	5894119	50 degree south facing slope, lots of Rock and Sand, sample taken from 12" Depth
161842	500	4175	NA	NA	No Sample	370498	5894171	No Sample, Talus Slope
161843	500	4225	NA	NA	No Sample	370500	5894227	No Sample, Talus Slope
161844	500	4275	B	Grey	80% Clay, 20% Sand	370501	5894271	Flat Ground, Shelf in Mtn. Very Rocky
161845	500	4325	B	Brown	40% Silt, 50% Sand	370501	58994323	Sample taken from 12" depth, Very 10% Clay Rocky, Rolling Hills
161846	500	4375	B	Brown	40% Silt, 50% Sand	370300	5894377	Sample taken from 8" depth, mildly 10% Clay Rocky, Rolling Hills
161847	500	4425	B	Grey	90% Clay 10% Sand	370500	4894424	30 Degree south facing slope, sample taken from a depth of 12" gravel present
161848	500	4475	B	Brown	10% Clay, 90% Sand	370498	5894470	45 degree south facing slope, sample taken from depth of 8", Very Rocky
161849	500	4525	NA	NA	No Sample	370498	5894522	No Sample, Talus Slope
161850	500	4575	B	Brown	80% Clay, 20% Sand	370500	4894575	Flat Ground on ridge, sample taken from depth of 6"
161990	500	4625	B	Brown	60% Silt, 40% Sand	370495	5894623	45 degree North West Facing Slope, sample taken from 24" depth. Rocky and gravely
161991	500	4675	B	Grey/ Brown	20% Clay, 10% Silt 70% sand	370506	5894670	30 degree north facing slope, sample taken from 12" depth
161992	500	4725	B	Dark Grey	20% Clay, 80% Sand	370500	5894723	45 degree NW facing slope, sample taken from 12" depth, very rocky
161993	500	4775	NA	NA	No Sample	370498	5894772	No Sample, poorly developed/ no B horizon
161994	500	4825	NA	NA	No Sample	370480	5894832	No Sample, Swamp
161995	500	4875	B	Red	20% Silt, 10% Clay 70% sand	370500	5894873	Flat ground parrallel to Swamp, sample taken form depth of 12"
161996	500	4925	B	Red	10% Clay, 90% Sand	370506	5894923	Rolling Hills, sample taken from depth of 12"
161997	500	4975	B	Brown	20% Clay,80% Sand	370500	5894973	Flat Ground sample taken from depth of 12"
161998	500	5025	B	Brown	20% Clay, 80% Sand	370496	5895027	Rolling Hills, sample taken from depth of 12"
161999	500	5075	B	Grey	10% Clay, 90% Sand	370500	5895077	20 degree south facing slope, sample taken from depth of 12"
1612000	500	5125	B	Grey	30% Clay, 70% Sand	370500	5895122	Rolling Hills, sample taken from depth of 12"
161851	500	5175	B	Brown	20% Clay, 80% Sand	370500	5895170	Rolling Hills, sample taken from depth of 12"
161852	500	5225	B	Brown	50% Sand, 50% Clay	370500	5895226	Rolling Hills, sample taken from depth of 10"
161853	500	5275	B	Grey	60% Clay, 40% Sand	370499	5895275	Very Gravely, 15 degree north facing

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								slope, sample taken from depth of 24"
161854	500	5325	NA	NA	No Sample	370497	5895331	No Sample, To rocky
161855	500	5375	B	Brown/ Grey	5% Clay, 95% Sand	370496	5895379	45 degree north facing Slope, sample taken from depth of 12"
161856	500	5425	B	grey	20% Clay, 20% Silt, 60% Sand	370502	5895425	45 degree north facing Slope, sample taken from depth of 36", very gravely
161857	500	5475	B	Grey	70% Clay, 30% sand	370502	5895474	15 degree north facing slope, sample taken from depth of 15"
161858	500	5525	B	Grey	60% Sand, 40% Clay	370502	5895520	15 degree north facing slope, sample taken from depth of 15"
161859	500	5575	B	Grey	40% Clay, 60% Sand	370503	5895570	15 degree north facing slope, sample taken from depth of 24"
161860	500	5625	B	Grey	50% Sand, 50% Clay	370502	5895624	10 degree north facing slope, sample taken from depth of 12", very gravely
161861	500	5675	NA	NA	No Sample	370500	5895680	No Sample, To rocky
161862	500	5725	NA	NA	No Sample	370498	5895731	No Sample, over 3ft. Of pete moss
161863	500	5775	B	Grey	60% Sand, 40% Silt	370500	5895779	Flat Ground sample taken from depth 12"
161864	500	5825	NA	NA	No Sample	370496	5895825	No Sample, Boulders with Moss Cover
161865	500	5875	B	Grey	30% Clay, 70% Sand	370497	5895877	15 degree north facing slope, sample taken from a depth of 18", rocky with deep moss
161866	500	5925	B	Grey	60% Clay, 40% Sand	370498	5895926	30 degree north facing slope, sample taken from a depth of 24"
161867	500	5975	B	Gray/ Brown	50% Clay, 10% Silt, 40% Sand	370496	5895976	25 degree, north facing slope, sample taken from a depth of 12"
161868	500	6025	NA	Na	No Sample	370504	5896030	No Sample, Very Rocky
161869	500	6075	B	Gray	40% Clay, 40% Silt, 20% Sand	370495	5896076	15 degree north facing slope, sample taken from a depth of 12"
161870	500	6125	NA	NA	No Sample	370499	5896127	No Sample, Swamp
161871	500	6175	NA	NA	No Sample	370498	5896175	No Sample, Swamp
161872	500	6225	NA	NA	No Sample	370490	5896229	No Sample, Swamp
161945	600	4025	B	Grey/ Brown	10% Silt, 90% Sand	370604	5894027	30 degree south facing slope, extremly rocky, sample taken from a depth of 40cm
161946	600	4075	B	Dark Brown	100% Sand	370602	5894075	35 degree south facing slope, very rocky small A horizon sample taken from a depth of 10cm
161947	600	4125	B	Dark brown	100% Sand	370598	5894119	40 degree south facing slope, samll A horizon, sample taken from depth of 10cm
161948	600	4175	B	Brown	30% Clay 70% Sand	370602	5894172	45 degree south facing slope, very rocky, sample taken from a depth of 20cm
61949	600	4225	B	Dark Brown	50% silt, 50% sand	370600	5894227	45 degree south facing slope, very

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								rocky, sample taken from a depth of 10cm
161950	600	4275	B	Brown	30% Silt, 70% sand	370601	5894280	sample taken from a depth of 25cm
161951	600	4325	B	Brown	70% Silt, 30% sand	370595	5894324	sample taken from a depth of 25cm
								very wet ground
161952	600	4375	B	lite Brown	10% cly 30% sand 60% silt	370597	5894379	sample taken from a depth of 20cm dry ground
61953	600	4425	B	brown	70% sand 30% clay	370593	5894425	sample taken from a depth of 30cm moist ground
161954	600	4475	B	Brown	70% sand 30% clay	370595	5894477	35 degree south facing slope, very rocky sample taken from a depth of 15cm
161955	600	4525	B	Brown	60% silt 40% clay	370604	5894533	large boulders everywhere, very rocky and moist, sample taken from a depth of 25cm
161956	600	4575	B	Brown	60% silt 40% sand	370604	5894577	30 degree south facing slope, extremely rocky, sample taken from a depth of 30cm
161957	600	4625	B	Brown	60% silt 40% sand	370598	5894626	Sample taken from a depth of 40cm
161958	600	4675	B	Brown	80%Silt 20% clay	370601	5894676	Sample taken from a depth of 40cm
161959	600	4725	B	Grey/ Brown	60% sand, 40% clay	370599	5894730	Sample taken from a depth of 45cm moist ground
161960	600	4775	B	Brown	80% silt 20% sand	370595	5894781	sample taken from a depth of 30cm dry ground
161961	600	4825	B	Grey/ Brown	30% Silt, 70% sand	370589	5894825	sample taken from a depth of 30cm very mossy
161962	600	4875	B	Brown	30% Silt, 70% sand	370596	5894879	sample taken from a depth of 35cm 10 degree north facing slope
161963	600	4925	NA	NA	No Sample			No Sample, Lake
161964	600	4975	B	Grey Brown	100% sand	370606	5894975	Sample taken from a depth of 40cm small sample due to rocky ground
161965	600	5025	B	Grey Brown	60% silt 40% clay	370601	5895028	Sample taken from a depth of 20cm moist mossy ground
161966	600	5075	B	Brown	30% silt 70% sand	370599	5895082	Sample taken from a depth of 25cm 15 degree south facing slope
161967	600	5125	B	Brown	60% silt 40% sand	370602	5895126	15 degree south facing slope Sample taken from a depth of 25cm
161968	600	5175	B	Brown	80% Sand 20% silt	370600	5895178	15 degree north easr facing slope Sample taken from a depth of 25cm
161969	600	5225	B	Grey	100% Sand	370601	5895233	15 degree north easr facing slope Sample taken from a depth of 35cm
								very rocky, small sample
161970	600	5275	B	Grey/ Brown	100% Sandy	370598	5895273	30 degree north east facing slope, Sample taken from a depth of 30cm moist ground
161971	600	5325	NA	NA	No Sample	370598	5895324	No Sample, ground to rocky no b Horizon

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
161972	600	5375	B	Grey	80% Clay 20% sand	370596	5895374	20 degree north facing slope, Sample taken from a depth of 40cm small sample due to rocky ground
161973	600	5425	B	Brown	80% Sand 20% Clay	370602	5895431	20 degree north facing slope, Sample taken from a depth of 40cm very rocky
161974	600	5475	B	Brown	80% Sand 20% Clay	370603	5895477	25 degree north facing slope, Sample taken from a depth of 30cm Moist ground, very sandy
161975	600	5525	B	Grey	80% Sand 20% Clay	370598	5895527	30 degree north facing slope, Sample taken from a depth of 40cm very rocky
161976	600	5575	B	Grey	80% Sand 20% silt	370598	5895577	30 degree north facing slope, Sample taken from a depth of 30cm very rocky
161978	600	5625	B	Grey Brown	80% Sand 20% Clay	370599	5895631	20 degree north facing slope, Sample taken from a depth of 30cm pepply ground
161979	600	5675	B	Grey	100% Clay	370601	5895679	15 degree north facing slope Sample taken from a depth of 20cm swampy area, no rocks
161980	600	5725	B	Brown	60% silt 40% sand	370601	5895729	15 degree north east facing slope Sample taken from a depth of 10cm poorly developed a Horizon no rocks dry soil
161981	600	5775	B	Grey	80% Sand 20% Clay	370596	5895774	15 degree north east facing slope Sample taken from a depth of 15cm rocky moist ground
161982	600	5825	B	Grey	70% Sand 30% Clay	370593	5895880	15 degree north east facing slope Sample taken from a depth of 25cm rocky moist ground
161983	600	5875	B	Grey	70% Sand 30% Clay	370593	5895880	15 degree north facing slope Sample taken from a depth of 35cm rocky moist ground
161984	600	5925	NA	NA	No Sample	370598	5895937	No Sample, to rocky
161985	600	5975	B	Grey brown	70% Sand 30% Clay	370601	5895975	15 degree south facing slope Sample taken from a depth of 30cm rocky moist ground
161986	600	6025	B	Grey Brown	70% Sand 30% Clay	370603	5896031	15 degree south facing slope Sample taken from a depth of 35cm thick moss cover
161987	600	6075	B	Grey Brown	60% Sand 20% Clay 20% silt	370604	5896077	15 degree south facing slope Sample taken from a depth of 35cm very rocky, moist ground

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
161988	600	6125	NA	NA	No Sample			No Sample, Swamp
161989	600	6175	B	Grey	80% Sand, 20% Clay	370599	5896178	Sample taken from a depth of 5cm beside a swamp, lots of rocks
161990	600	6225	B	Brown	80% Sand, 20% silt	370606	5896227	Sample taken from a depth of 15cm moist soils
161800	700	4025	B	Dark Brown	20% Clay 80% Sand	370705	5894015	45 Degree South facing slope Sample taken from depth of 30cm
161901	700	4075	B	Brown	30% Clay 10% silt 60% Sand	370700	5894074	45 Degree South facing slope Sample taken from depth of 40cm
161902	700	4125	B	Brown	30% Silt 70% sand	370703	5894127	30 Degree South facing slope Sample taken from depth of 40cm
161903	700	4175	B	Pale Brown	10% Clay, 10% Silt 80% Sand	370696	5894173	45 Degree South east facing slope Sample taken from depth of 30cm
161904	700	4225	NA	NA	No Sample	370699	5894222	No Sample Talus slope 45 Degree South east facing slope
161905	700	4275	B	Grey Brown	90% Sand 10% Caly	370693	5894275	50 Degree South east facing slope Sample taken from depth of 50cm
161906	700	4325	B	Grey	20% Clay 80% Sand	370702	5894318	50 Degree South east facing slope Sample taken from depth of 50cm
161907	700	4375	B	Grey	30% Clay 70% Sand	370701	5894370	Flat ground Sample taken from depth of 30cm
161908	700	4425	B	Brown	30% Silt 70% sand	370700	5894429	North Facing Decline Sample taken from depth of 30cm
161909	700	4475	B	Brown	10%Clay, 90% Sand	370701	58944373	Rolling Hills Sample taken from depth of 30cm
161910	700	4525	B	Brown	10% Clay 10% Silt 80% Sand	370705	5894521	Rolling Hills east Facing Decline 45 Degree South east facing slope Sample taken from depth of 50cm
161911	700	4575	NA	NA	No Sample	370698	5894573	No Sample Talus slope 45 Degree South east facing slope
161912	700	4625	NA	NA	No Sample	370706	5894622	No Sample Talus slope 45 Degree South east facing slope
161913	700	4675	B	Grey	20% Silt, 10% Clay 70% Sand	370703	5894673	50 Degree South east facing slope Sample taken from depth of 50cm
161914	700	4725	B	Brown	10% Clay , 90% Sand	370704	5894726	15 Degree north east facing slope Sample taken from depth of 30cm
161915	700	4775	B	Brown	10% Clay, 30% Silt 60% Sand	370700	5894769	35 Degree South facing slope Sample taken from depth of 40cm
161916	700	4825	B	Brown	10% Clay, 30% Silt 60% Sand	370701	5894825	45 Degree South east facing slope Sample taken from depth of 30cm
161917	700	4875	NA	NA	No Sample	370700	5894872	No Sample, Too rocky
161918	700	4925	B	Brown	10% Clay, 30% Silt 60% Sand	370702	5894924	Slight south facing slope Sample taken from depth of 30cm
161919	700	4975	B	Brown	10% Clay, 90% Sand	370694	5894973	Flat ground Sample taken from depth of 30cm

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
161920	700	5025	B	Brown	90% Sand, 10% silt	370702	5895027	Rolling Hills
								Sample taken from depth of 30cm
161921	700	5075	NA	NA	No Sample	370703	5895075	No Sample, moss to deep and to many large boulders
161922	700	5125	B	Brown	80% Sand, 10% Clay 10% Silt	370699	5895125	Rolling Hills
								Sample taken from depth of 30cm
161923	700	5175	B	Dark Brown	10% Clay, 90% Sand	370694	5895178	15 Degree north facing slope
								Sample taken from depth of 30cm
161924	700	5225	B	Brown	10% Clay, 90% Sand	370696	5895226	20 Degree north facing slope
								Sample taken from depth of 50cm
161925	700	5275	NA	NA	No Sample	370695	5895280	No Sample, Too rocky
161926	700	5325	B	Grey	90% Clay, 10% Sand	370703	5895323	10 Degree north facing slope
								Sample taken from depth of 30cm
161927	700	5375	NA	NA	No Sample	370702	5895370	No Sample, Too rocky
161928	700	5425	B	Brown	10% Clay , 90% Sand	370704	5895422	15 Degree north facing slope
								Sample taken from depth of 30cm
								very rocky ground
161929	700	5475	B	Dark Brown	10% Clay , 90% Sand	370705	5895473	10 Degree north facing slope
								Sample taken from depth of 30cm
161930	700	5525	B	Rusty Brown	30% Silt, 70% Sand	370701	5895531	15 Degree north facing slope
								Sample taken from depth of 40cm
161931	700	5575	B	Grey Brown	50% Clay, 50% Sand	370700	5895580	15 Degree north facing slope
								Sample taken from depth of 40cm
								very rocky ground
161932	700	5625	B	Brown	90% sand, 10% silt	370705	5895633	20 Degree north facing slope
								Sample taken from depth of 30cm
161933	700	5675	B	Grey	80% Sand, 20% Clay	370702	5895678	15 Degree north facing slope
								Sample taken from depth of 30cm
161934	700	5725	B	Grey Brown	40% Clay, 10% Silt 50% Sand	370698	5895724	10 Degree north facing slope
								Sample taken from depth of 60cm
161935	700	5775	B	Brown	100% Silt	370701	5895777	40 Degree east facing slope
								Sample taken from depth of 30cm
161936	700	5825	NA	NA	No Sample	370695	5895830	No Sample, 3ft. Pete moss and rocks
161937	700	5875	B	Grey	40% Clay, 60% Sand	370696	5895880	10 Degree north facing slope
								Sample taken from depth of 30cm
161938	700	5925	B	Grey Brown	30% Clay, 70% Sand	370700	5895927	Slight north facing slope
								Sample taken from depth of 40cm
161939	700	5975	B	Dark Brown	10% Clay , 90% Sand	370700	5895976	20 Degree north facing slope
								Sample taken from depth of 30cm
								Rolling Hills
161940	700	6025	B	Red Brown	20% Clay, 10% silt 70% sand	370701	5896031	20 Degree north facing slope
								Sample taken from depth of 20cm
161941	700	6075	NA	NA	No Sample	370700	5896080	No Sample, 3ft. Pete moss and rocks
161942	700	6125	B	Brown	80% Sand, 20% Clay	370695	5896128	Flat ground
								Sample taken from depth of 50cm
161943	700	6175	NA	NA	No Sample	370698	5896173	No Sample, Swamp

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
161944	700	6225	B	Brown	80% Sand, 20% Clay	370699	5896229	Flat ground, wet land
								Sample taken from depth of 20cm
162344	800	4025	B	Brown	90% Sand 10%Silt	370799	5894032	Boulders Present, Very Rocky
								25 Degree south facing slope
								moist soil
162345	800	4275	B	Brown	90% Sand 10% silt	370803	5894081	25 Degree south facing slope
								Sample taken from a depth of 15 cm
162346	800	4125	B	Grey Brown	90% Sand 10% clay	370801	5894127	35 Degree south facing slope
								Sample taken from a depth of 30 cm
62347	800	4175	B	Brown	60% San 40% clay	370796	5894180	35 Degree south facing slope
								Sample taken from a depth of 30 cm
								moist soil
162348	800	4225	B	Brown	80%sand 20% silt	370798	5894231	35 Degree south facing slope
								Sample taken from a depth of 20 cm
								Very Rocky
162349	800	4275	B	Grey	80% Silt 20% Sand	370807	5894274	30 Degree south facing slope
								Sample taken from a depth of 20 cm
								Very Rocky, dry soil
162350	800	4325	NA	NA	NO Sample	370800	5894330	No Smaple Very Rocky
161801	800	4375	NA	NA	No Sample	370800	5894380	No Smaple Very Rocky
161802	800	4425	B	Brown	60% San 40% clay	370803	5894423	30 Degree south facing slope
								Sample taken from a depth of 40 cm
								Very Rocky, Small Sample
161803	800	4475	B	Brown	80%silt 20% clay	370809	5894474	40 Degree south facing slope
								Sample taken from a depth of 25 cm
								Very Rocky, dry soil
161804	800	4525	B	Grey Brown	70% Sand 30% silt	370810	5894524	25 Degree south east facing slope
								Sample taken from a depth of 30cm
								moist soil
161805	800	4575	B	Brown	70% Sand 30% Clay	370801	5894571	20 Degree south east facing slope
								Sample taken from a depth of 20cm
								moist soil
161806	800	4625	B	Brown	80% Sand 20% Silt	370814	5894628	25 Degree south east facing slope
								Sample taken from a depth of 25cm
161807	800	4675	B	Brown	80% Sand 20% clay	370810	5894679	20 Degree south east facing slope
								Sample taken from a depth of 25cm
								moderatlly rocky
161808	800	4725	B	Brown	70% Silt 30% Sand	370800	5894722	25 Degree south facing slope
								Sample taken from a depth of 20cm
161809	800	4775	B	Brown	90% clay 10% silt	370798	5894773	25 Degree south facing slope
								Sample taken from a depth of 20cm
161810	800	4825	B	Grey Black	90% Sand 10%Clay	370801	5894826	20 Degree south facing slope
								Sample taken from a depth of 25cm
161811	800	4875	B	Brown	50% silt 50% Sand	370808	5894878	20 Degree south facing slope
								Sample taken from a depth of 30cm
161812	800	4925	B	Brown Grey	50% silt 50% clay	370804	5894925	30 Degree south facing slope

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								Sample taken from a depth of 30cm
161813	800	4975	B	Grey Brown	90% Sand 10%Clay	370801	5894976	20 Degree south facing slope
								Sample taken from a depth of 30cm
161814	800	5025	B	Brown	50% silt 50% clay	370809	5895030	10 Degree north facing slope
								Sample taken from a depth of 35cm
161815	800	5075	B	Brown	80% Sand 20% silt	370808	5895077	35 Degree north facing slope
								Sample taken from a depth of 10cm
161816	800	5125	B	Dark Brown	80% Silt 20% Sand	370808	5895121	30 Degree north facing slope
								Sample taken from a depth of 15cm
161817	800	5175	B	Brown	70% Silt 30% Sand	370804	5895177	20 Degree north facing slope
								Sample taken from a depth of 15cm
161818	800	5225	B	Grey Brown	50% silt 50% clay	370804	5895225	25 Degree north facing slope
								Sample taken from a depth of 25cm
161819	800	5275	B	Brown	80% Sand 20% clay	370805	5895280	30 Degree north facing slope
								Sample taken from a depth of 30cm
161820	800	5325	B	Brown	80% Sand 20% clay	370794	5895331	30 Degree north facing slope
								Sample taken from a depth of 30cm
161821	800	5375	B	Grey	70% Sand 30% clay	370791	5895377	25 Degree north facing slope
								Sample taken from a depth of 25cm
161822	800	5425	NA	NA	No Sample	370800	5895330	No Sample Very Rocky
161823	800	5475	NA	NA	No Sample	370800	5895380	No Sample Very Rocky
161824	800	5525	B	Grey Brown	80% Sand 20% Silt	370801	5895531	25 Degree north facing slope
								Sample taken from a depth of 25cm
161825	800	5575	B	Grey	80% Sand 20% Clay	370801	5895579	30 Degree north facing slope
								Sample taken from a depth of 35cm
161826	800	5625	B	Grey Brown	80% Sand 20% Clay	370807	5895627	25 Degree north facing slope
								Sample taken from a depth of 15cm
161827	800	5675	NA	NA	No Sample	370800	5895680	No Sample Swamp
161828	800	5725	NA	NA	No Sample	370800	5895730	No Sample Swamp
161829	800	5775	B	Brown	60% Sand 40% Silt	370799	5895780	Flat
								Sample taken from a depth of 10cm
161830	800	5825	B	Grey	70% Sand 30% clay	370802	5895830	10 Degree north east facing slope
								Sample taken from a depth of 35cm
161831	800	5875	B	Grey	60% Sand 40% Silt	370803	5895874	Flat
								Sample taken from a depth of 40cm
161832	800	5925	B	Grey	100% Clay	370804	5895929	Flat
								Sample taken from a depth of 40cm
161833	800	5975	B	Grey	50% Clay 50% Sand	370798	5895976	15 Degree north facing slope
								Sample taken from a depth of 35cm
								Moist Ground
161834	800	6025	B	Grey	50% Clay 50% Sand	370797	5896026	15 Degree north facing slope
								Sample taken from a depth of 30cm
								Moist Ground
161835	800	6075	B	Grey	50% Clay 50% Sand	370797	5896073	Flat
								Sample taken from a depth of 40cm
161836	800	6125	B	Grey Brown	60% Sand 40% Silt	370800	5896127	Flat

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								Sample taken from a depth of 20cm
161837	800	6175	NA	NA	No Sample	370800	5896180	No Sample Swamp
161838	800	6225	NA	NA	No Sample	370800	5896230	No Sample Swamp
161751	900	4025	B	Brown	100% Sand	370898	5894027	Rolling Hills
161752	900	4075	NA	NA	No Sample	370896	5894076	No Sample, Very Rocky
161753	900	4125	B	Brown	10% Clay 20% Silt	370902	5894135	45 Degree south facing slope
					70% Sand			Sample taken from depth of 30 cm
161754	900	4175	B	Grey	40% clay 20% silt	370898	58994177	45 Degree south facing slope
					40% Sand			Sample taken from depth of 50 cm
161755	900	4225	B	Grey	10% Clay 90% Sand	370595	5894226	30 Degree south facing slope
								Sample taken from depth of 50 cm
161756	900	4275	B	Grey	40% Clay 60% Sand	370903	5894272	30 Degree south facing slope
								Sample taken from depth of 25 cm
161757	900	4325	B	dark Brown	10% clay 20% silt	370894	589432	45 Degree south facing slope
					70% Sand			Sample taken from depth of 40 cm
161758	900	4375	B	Grey	30% Clay 70% Sand	370896	5894370	20 Degree south east facing slope
								Sample taken from depth of 15 cm
161759	900	4425	B	Grey	30% Clay 70% Sand	370895	5894422	30 Degree south east facing slope
								Sample taken from depth of 40 cm
								Very Gravely
161760	900	4475	B	Brown	20% Clay 80% Sand	370894	5894480	45 Degree south east facing slope
								Sample taken from depth of 30 cm
								Very Gravely
161761	900	4525	B	Grey Brown	10% clay 20% silt	370895	5894529	50 Degree south east facing slope
					70% Sand			Sample taken from depth of 30 cm
161762	900	4575	B		30% Clay 70% Sand	370897	5894573	45 Degree south east facing slope
								Sample taken from depth of 30 cm
161763	900	4625	NA	NA	No Sample	370898	5894621	No Sample, Very Rocky
161764	900	4675	NA	NA	No Sample	370895	5894667	No Sample, Very Rocky
161765	900	4725	B	Brown	10% Clay 30% silt	370902	5894719	45 Degree east facing slope
					60% Sand			Sample taken from depth of 30 cm
161766	900	4775	B	Grey Brown	50% Clay 50% Sand	370890	5894767	Rolling Hills
								Sample taken from depth of 30 cm
161767	900	4825	B	Brown	20% Clay 30% Silt	370897	5894815	30 Degree south east facing slope
					50% Sand			Sample taken from depth of 35 cm
161768	900	4875	NA	NA	No Sample	370899	5894871	No Sample, Very Rocky
161769	900	4925	NA	NA	No Sample	370902	5894920	No Sample, Very Rocky
161770	900	4975	B	Red Brown	80% sand 20% silt	370903	5894976	20 Degree south east facing slope
								Sample taken from depth of 25 cm
161771	900	5025	B	Brown	60% Sand 40% silt	370904	5895018	Rolling Hills
								Sample taken from depth of 20 cm
161772	900	5075	B	Brown	30% Clay 70% Sand	370901	5895073	30 Degree south facing slope
								Sample taken from depth of 25 cm
161773	900	5125	B	Brown	30% clay 10% Silt	370898	5895123	30 Degree south facing slope
					60% Sand			Sample taken from depth of 25 cm
161744	900	5175	B	Brown	60% Clay 40% Sand	370895	5895177	Crest of Ridge

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								Sample taken from depth of 25 cm
161775	900	5225	B	Brown	20% Silt 10% Clay	370902	5895229	30 Degree north facing slope
					70% Sand			Sample taken from depth of 25 cm
161776	900	5275	B	Grey	90% Sand 10% Clay	370902	5895280	30 Degree north facing slope
								Sample taken from depth of 25 cm
								Very Rocky
161777	900	5325	B	Grey Brown	30% clay 10% Silt	370898	5895325	15 Degree north facing slope
					60% Sand			Sample taken from depth of 25 cm
161778	900	5375	NA	NA	No Sample	370897	5895382	No Sample, Pete Moss to deep to
								penetrate
161779	900	5425	NA	NA	No Sample	370898	5895427	No Sample, Pete Moss to deep to
								penetrate
161780	900	5475	B	Grey Brown	20% Clay 80% Sand	370896	5895478	40 Degree north facing slope
								Sample taken from depth of 25 cm
161781	900	5525	B	Grey	30% Cly 70% Sand	370894	5895530	20 Degree north facing slope
								Sample taken from depth of 45 cm
161782	900	5575	B	Grey Brown	10% Clay 10% Silt	370900	5895580	15 Degree north facing slope
					80% Sand			Sample taken from depth of 25 cm
161783	900	5625	B	Grey	60% Clay 40% Sand	370896	5895631	15 Degree north facing slope
								Sample taken from depth of 25 cm
								Very Gravely
161784	900	5675	NA	NA	No Sample	370896	5895673	No Sample, Pete Moss to deep to
								penetrate
161785	900	5725	NA	NA	No Sample	370898	5895725	No Sample, Pete Moss to deep to
								penetrate
161786	900	5775	NA	NA	No Sample	370905	5895780	No Sample, couldn't penetrate A horizon
161791	900	5825	B	Brown	10% Clay 10% Silt	370897	5895826	Rolling Hills
					80% Sand			Sample taken from depth of 20 cm
161792	900	5875	B	Grey	60% Clay 30% Sand	370902	5895880	Rolling Hills
					10% Silt			Sample taken from depth of 30 cm
161793	900	5925	B	Grey Brown	10% Clay 90% Sand	370894	5895931	Rolling Hills
								Sample taken from depth of 30 cm
161794	900	5975	B	Grey	10% Clay 10% Silt	370897	5895980	Flat Ground
					80% Sand			Sample taken from depth of 30 cm
161795	900	6025	B	Brown	20% Clay 20% Silt	370899	5896027	North facing decline
					60% Sand			Sample taken from depth of 30 cm
161796	900	6075	B	Brown	100% Sand	370900	5896074	Very little soil very rocky
161797	900	6125	NA	NA	No Sample	370900	5896125	No Sample, Swamp
161798	900	6175	NA	NA	No Sample	370899	5896176	No Sample, Swamp
161799	900	6225	NA	NA	No Sample	370899	5896230	No Sample, Swamp
162356	1000	4025	B	Brown	100% Sand	370995	5894023	Very Rocky
								Sample taken from a depth of 30cm
162357	1000	4075	B	Brown	90% sand 10% silt	371000	5894077	Very Rocky
								Sample taken from a depth of 30cm
162358	1000	4125	B	Grey Brown	80% Sand 20% Clay	371000	5894123	Very Rocky
								Sample taken from a depth of 30cm

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
162359	1000	4175	B	Grey Brown	80% Sand 20% Clay	371003	5894172	20 degree south facing slope Sample taken from a depth of 30cm
162360	1000	4225	B	Grey Brown	60% Sand 40% Clay	371001	5894230	20 degree south facing slope Sample taken from a depth of 30cm
162361	1000	4275	B	Grey Brown	60% Clay 40% silt	370996	5894273	Flat Ground Sample taken from a depth of 15cm
162362	1000	4325	B	Grey	60% Sand 40% Clay	370996	5894323	20 degree south facing slope Sample taken from a depth of 30cm Very wet
162363	1000	4375	B	Dark Brown	80% Sand 20% Clay	370997	5894371	20 degree south facing slope Sample taken from a depth of 30cm Very wet
162364	1000	4425	B	Dark Grey	90% sand 10% silt	371006	5894421	20 degree south east facing slope Sample taken from a depth of 20cm
162365	1000	4475	B	Grey Brown	80% sand 20% silt	370999	5894476	30 degree south east facing slope Sample taken from a depth of 20cm very rocky, small sample
162366	1000	4525	B	Grey	80% Sand 20% Clay	370998	5894529	30 degree south east facing slope Sample taken from a depth of 40cm
162367	1000	4575	B	Brown	60% sand 40% silt	370996	5894572	25 degree south east facing slope Sample taken from a depth of 20cm
162368	1000	4625	B	Grey Brown	60% sand 40% silt	370996	5894628	25 degree south east facing slope Sample taken from a depth of 30cm
162369	1000	4675	B	Grey Brown	60% sand 40% silt	370995	5894673	25 degree south east facing slope Sample taken from a depth of 25cm
162370	1000	4725	B	Grey Brown	60% Sand 40% clay	370992	5894722	45 degree south east facing slope Sample taken from a depth of 25cm
162371	1000	4775	B	Grey	80% Sand 20% Clay	370996	5894773	25 degree south east facing slope Sample taken from a depth of 25cm Very Rocky
162372	1000	4825	NA	NA	No Sample	371000	5894830	No Sample Cliff
162373	1000	4875	B	Grey Brown	80% Silt 20% sand	370999	5894880	30 degree east facing slope Sample taken from a depth of 15cm
162374	1000	4925	B	Grey Brown	80% Silt 20% sand	370996	5894920	30 degree east facing slope Sample taken from a depth of 15cm
162375	1000	4975	B	Grey Brown	90% Sand 10% Clay	370995	5894977	Top of ridge Sample taken from a depth of 15cm
162376	1000	5025	B	Dark Brown	50% Sand 50% silt	370996	5895027	Top of ridge Sample taken from a depth of 25cm
162377	1000	5075	B	Brown	50% Sand 50% silt	370999	5895077	Flat Ground Sample taken from a depth of 40cm
162378	1000	5125	B	Grey Brown	75% Sand 25% Silt	370995	5895128	10 degree north facing slope Sample taken from a depth of 40cm lots of pebbles
162379	1000	5175	B	Grey Brown	70% Sand 30% Clay	371004	5895175	40 degree east facing slope Sample taken from a depth of 30cm

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								very rocky
162380	1000	5225	B	Brown	80% Silt 20% sand	371000	5895223	40 degree east facing slope
								Sample taken from a depth of 30cm
162381	1000	5275	B	Grey Brown	70% Sand 30% Clay	370997	5895276	20 degree north facing slope
								Sample taken from a depth of 30cm
								Very Rocky
162382	1000	5325	B	Grey	70% Clay 30% Sand	371000	5895328	25 degree north facing slope
								Sample taken from a depth of 25cm
								Very Rocky
162383	1000	5375	B	Grey Brown	90% Sand 10% Clay	371004	5895376	25 degree north facing slope
								Sample taken from a depth of 30cm
								Very Rocky
162384	1000	5425	B	Brown	100% Sand	370996	5895428	5 degree north facing slope
								Sample taken from a depth of 30cm
162385	1000	5475	B	Brown	100% Sand	371008	5895477	Flat Ground
								Sample taken from a depth of 30cm
								Very rocky
162386	1000	5525	NA	NA	No Sample	371000	5895530	No Sample very rocky
162387	1000	5575	B	Grey	80% Sand 20% Clay	370998	5895577	25 degree north facing slope
								Sample taken from a depth of 30cm
162388	1000	5625	B	Grey	80% Clay 20% Sand	370996	5896625	25 degree north facing slope
								Sample taken from a depth of 30cm
162389	1000	5675	B	Brown	90% Sand 10% Clay	371000	5895611	25 degree north facing slope
								Sample taken from a depth of 25cm
162390	1000	5725	B	Grey	100% Clay	370995	5895730	Flat Ground
								Sample taken from a depth of 25cm
162391	1000	5775	NA	NA	No Sample	371000	5895780	No Sample Swamp
162392	1000	5825	NA	NA	No Sample	371000	5895830	No Sample Swamp
162393	1000	5875	NA	NA	No Sample	371000	5895880	No Sample Swamp
162394	1000	5925	NA	NA	No Sample	371000	5895930	No Sample Swamp
162395	1000	5975	B	Brown	100% silt	371001	5895975	Flat Ground
								rocky moist ground
162396	1000	6025	B	Brown	100% Silt	371010	5896026	Flat Ground
								Sample taken from a depth of 5cm
162397	1000	6075	B	Brown	90% Silt 10% clay	370999	5896077	Top of ridge
								Sample taken from a depth of 10cm
								Dry
162398	1000	6125	B	Grey	80% Sand 20% Clay	371003	5896123	Flat Ground
								rocky moist ground
162399	1000	6175	B	Brown	100% Silt	371000	5896175	Flat Ground
								Beside swamp
								Sample taken from a depth of 5cm
162400	1000	6225	NA	NA	No Sample	371000	5896230	No Sample Swamp
162199	1100	4025	B	Brown	30% Clay 70% Sand	371101	5894027	Rolling Hills
								Sample taken from depth of 25cm
162200	1100	4075	B	Brown	30% Clay 70% Sand	371105	5891091	Flat Ground

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								Sample taken from depth of 25cm
162301	1100	4125	B	Grey	70% Sand 20% Silt	371099	5894133	Flat Ground
					10% Clay			Sample taken from depth of 25cm
162302	1100	4275	B	Grey Brown	5% Clay 25% silt	371100	5899478	Flat Ground
					70% Sand			Sample taken from depth of 25cm
162303	1100	4225	B	Brown	70% Sand 20% Silt	371097	5894229	45 degree North west facing slop
					10% Clay			Sample taken from depth of 25cm
162304	1100	4275	B	Dark Brown	70% Sand 30% clay	371093	5894279	Flat Ground
								Sample taken from depth of 25cm
162305	1100	4325	B	Grey	5% Silt 80% Sand	371096	5894320	45 degree east facing slope
					15% Clay			Very rocky
								80cm deep hole
162306	1100	4375	B	Grey	40% Clay 10% silt	371101	5894374	30 degree south facing slope
					50% Sand			Sample taken from depth of 25cm
162307	1100	4425	B	Grey	10% Clay 20% silt	371093	5894422	east facing rolling hills
					70% Sand			Sample taken from depth of 40cm
162308	1100	4475	B	Brown	30% Clay 70% Sand	371098	5894471	SE facing Decline
								Sample taken from depth of 40cm
162309	1100	4525	B	Grey	50% Sand 50% Clay	371096	5894521	15 degree east facing slope
								Sample taken from depth of 25cm
162310	1100	4575	B	Grey	60% Clay 40% Sand	371096	5894573	slight east facing slope
								Sample taken from depth of 25cm
162311	1100	4625	B	Grey	30% clay 60% sand	371099	5894625	slight east facing slope
					10% silt			Sample taken from depth of 25cm
162312	1100	4675	B	Grey	90% Clay 10% sand	371098	5894668	20 degree south east facing slope
								Sample taken from depth of 25cm
162313	1100	4725	B	Grey	40% Clay 60% Sand	371098	5894722	30 degree south facing slope
								Sample taken from depth of 25cm
162314	1100	4775	B	Grey	20% Clay 80% sand	371098	5894771	30 degree east facing slope
								Sample taken from depth of 45cm
162315	1100	4825	NA	NA	No Sample	371102	5894828	No Sample Rock Field
162316	1100	4875	NA	NA	No Sample	371106	5894873	No Sample Rock Field
162317	1100	4925	B	Brown	20% Clay 80% sand	371100	5894919	45degree east facing slope
								Sample taken from depth of 25cm
162318	1100	4975	B	Grey	20% Clay 80% sand	371096	5894971	50 degree south east facing slope
								Sample taken from depth of 25cm
162319	1100	5025	NA	NA	No Sample	371092	5895021	No Sample Rock Field
162320	1100	5075	NA	NA	No Sample	371103	5895075	No Sample Rock Field
162321	1100	5125	B	Brown	40% Clay 60% Sand	371105	5895123	45degree east facing slope
								Sample taken from depth of 25cm
162322	1100	5175	NA	NA	No Sample	371096	5895174	No Sample To steep to access
162323	1100	5225	B	Grey	30% Clay 70% Sand	371102	5895227	top of ridge
								Sample taken from depth of 25cm
162324	1100	5275	B	Brown	30% Clay 70% Sand	371099	5895272	Slight North East facing Slope
								Sample taken from depth of 35cm
162325	1100	5325	B	Grey Brown	20% Clay 80%Sand	371099	5895321	30 degree norht east facing slope

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								Sample taken from depth of 15cm
162326	1100	5375	B	Grey	30% Clay 70% Sand	371106	5895373	30 degree norht east facing slope
								Sample taken from depth of 25cm
162327	1100	5425	B	Dark Brown	30% Clay 70% Sand	371099	5895419	15 degree north facing slope
								Sample taken from depth of 35cm
								Very rocky
162328	1100	5475	B	Grey	20% Clay 80%Sand	371097	5895468	20 degree north facing slope
								Sample taken from depth of 25cm
								lots of gravel
162329	1100	5525	B	Grey Brown	30% Clay 70% Sand	371099	5895520	15 degree north facing slope
								Sample taken from depth of 35cm
162330	1100	5575	NA	NA	No Sample	371101	5895579	No Sample, very rocky
162331	1100	5625	B	Grey	30% Clay 70% Sand	371101	5895629	20 degree north facing slope
								Sample taken from depth of 45cm
								Very rocky
162332	1100	5675	B	Grey	50% Clay 50% Sand	371098	5895677	15 degree north facing slope
								Sample taken from depth of 35cm
162333	1100	5725	B	Bright Brown	20% Clay 80% Sand	371097	5895728	15 degree north facing slope
								Sample taken from depth of 35cm
162334	1100	5775	NA	NA	No Sample	371098	5895772	No Sample Boulder field
162335	1100	5825	B	Brown	20% Clay 80% sand	371105	5895830	Rolling Hills
								Sample taken from depth of 20cm
162336	1100	5875	B	Grey	20% Clay 80% sand	371104	589873	Rolling Hills 15 degrees west facing
								Sample taken from depth of 25cm
162337	1100	5925	B	Brown	30% Silt 10% Clay 60% Sand	371098	5895921	Rolling Hills
								Sample taken from depth of 25cm
162338	1100	5975	B	Green Yellow	20% Clay 80% Sand	371102	5895975	Rolling Hills
								Sample taken from depth of 25cm
								Very Gravely
162339	1100	6025	B	Brown	20% Sand 20% Silt 60% Clay	371100	5896028	Rolling Hills
								Sample taken from depth of 20cm
162340	1100	6075	B	Brown	20% Sand 20% Silt 60% Clay	371097	5896081	Flat Ground
								Sample taken from depth of 25cm
162341	1100	6125	B	Grey Brown	20% Sand 20% Silt 60% Clay	371103	5896130	Flat Ground
								Sample taken from depth of 25cm
								Very Gravely
162342	1100	6175	B	Brown	30% Clay 10% Silt 60% sand	371102	5896179	Rolling Hills
								Sample taken from depth of 35cm
162343	1100	6225	B	Grey Brown	90% Clay 10% Silt	371102	5896229	Flat Ground
								Sample taken from depth of 20cm
162265	1200	4225	B	Brown	90% Sand 10% Clay	371200	5894225	Flat ground
								Sample taken from depth of 20cm
162266	1200	4275	B	Brown	90% Sand 10% Clay	371197	5894281	10 Degree south slope
								Sample taken from depth of 15cm
								moderatly Rocky
162267	1200	4325	B	Grey Brown	80% Silt 20 % Sand	371202	5894323	Flat ground

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								Sample taken from depth of 15cm
162268	1200	4375	B	Brown	80% Silt 20 % Sand	371205	5894374	Flat ground
								Sample taken from depth of 20cm
162269	1200	4425	B	Brown	70% Silt 30% Clay	371200	5894426	Bottom of gully
								Sample taken from depth of 30cm
162270	1200	4475	NA	NA	No Sample	371200	5894480	No Sample, Talus Slope
162271	1200	4525	B	Brown	100% Silt	371197	5894521	Flat ground
								Sample taken from depth of 30cm
162272	1200	4575	B	Grey	70% Sand 30% Silt	371200	5894574	25 Degree south east slope
								Sample taken from depth of 30cm
162273	1200	4625	B	Brown	60% Silt 40% Clay	371202	5894623	25 Degree south east slope
								Sample taken from depth of 30cm
								Rocky
162274	1200	4675	B	Grey Brown	60% Silt 40% Clay	371203	5894679	25 Degree south east slope
								Sample taken from depth of 30cm
								Rocky
162275	1200	4725	B	Grey Brown	70% Sand 30% Clay	371195	5894730	30 Degree south east slope
								Sample taken from depth of 30cm
								Big Rocks
162276	1200	4775	B	Brown	70% Sand 30% Silt	371197	5894773	30 Degree south east slope
								Sample taken from depth of 30cm
								Big Rocks
162277	1200	4825	B	Grey	70% Sand 30% Clay	371195	5894829	30 Degree south east slope
								Sample taken from depth of 15cm
162278	1200	4875	B	Grey Brown	100% Sand	371198	5894879	30 Degree south east slope
								Sample taken from depth of 15cm
162279	1200	4925	B	Grey	70% Sand 30% Clay	371195	5894925	30 Degree south east slope
								Sample taken from depth of 40cm
162280	1200	4975	NA	NA	No Sample	371200	5894980	No Sample, Rock Slope
162281	1200	5025	B	Brown	80% Silt 20 % Sand	371190	5895025	30 Degree south east slope
								Sample taken from depth of 30cm
162282	1200	5075	B	Grey	100% Sand	371195	5895077	30 Degree south east slope
								Sample taken from depth of 30cm
162283	1200	5125	B	Grey Brown	40% silt 60% clay	377796	5895126	25 Degree south east slope
								Sample taken from depth of 30cm
162284	1200	5175	B	Grey Brown	80% Sand 20% Silt	371189	5895174	30 Degree south east slope
								Sample taken from depth of 40cm
162285	1200	5225	B	Grey Brown	80% sand 20% silt	371189	5895223	40 Degree south east slope
								Sample taken from depth of 20cm
162286	1200	5275	B	Grey	80% sand 20% silt	371190	5895272	40 Degree south east slope
								Sample taken from depth of 25cm
162287	1200	5325	B	Grey Brown	70% sand 30% silt	371204	5895328	20 Degree south east slope
								Sample taken from depth of 20 cm
162288	1200	5375	B	Grey Brown	80% sand 20% silt	371205	5895381	15 Degree North slope
								Sample taken from depth of 20 cm
162289	1200	5425	B	Grey Brown	70% sand 30% silt	371194	5895425	Sample taken in a ravine

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								Sample taken from depth of 35 cm
162290	1200	5475	B	Grey Brown	60% Clay 40% Sand	371201	5895470	Top of hill
								Sample taken from depth of 15cm
162291	1200	5525	B	Grey Brown	70% sand 30% silt	371194	5895525	25 Degree facing North slope
								Sample taken from depth of 35 cm
								Very Rocky
162292	1200	5575	B	Brown	40% silt 60% clay	371202	5895580	Top of hill
								Sample taken from depth of 5 cm
162293	1200	5625	B	Grey	70% sand 30% Clay	371200	5895627	25 Degree facing North slope
								Sample taken from depth of 45 cm
								Small sample very rocky
162294	1200	5675	B	Grey Brown	30% sand 70% silt	371198	5895675	20 Degree facing North slope
								Sample taken from depth of 15 cm
162295	1200	5725	B	Brown	30% sand 70% silt	371204	5895735	15 Degree facing North slope
								Sample taken from depth of 15 cm
162296	1200	5775	B	Grey Brown	100% Silt	371200	5895782	15 Degree facing North slope
								Sample taken from depth of 25 cm
162297	1200	5825	B	Grey Brown	40% silt 60% clay	371208	5985834	15 Degree facing North slope
								Sample taken from depth of 20 cm
162298	1200	5875	NA	NA	No Sample	371200	5895880	No Sample Swamp
162299	1200	5925	B	Brown	90% Silt 10% Sand	371204	5895926	Flat ground
								Sample taken from depth of 25 cm
162300	1200	5975	B	Grey	80% Sand 20% Clay	371205	5895972	Flat ground
								Sample taken from depth of 30 cm
162351	1200	6025	NA	NA	No Sample	371200	5896030	No Sample Swamp
162352	1200	6075	B	Brown	90% Silt 10% Sand	371204	5896079	Flat ground
								Sample taken from depth of 30 cm
162353	1200	6125	B	Brown	90% Silt 10% Sand	371196	5896124	Flat ground
								Sample taken from depth of 30 cm
162354	1200	6175	B	Brown	90% Silt 10% Sand	371199	5896177	Flat ground
								Sample taken from depth of 20 cm
162355	1200	6225	B	Grey Brown	75% Silt 25% Sand	371206	5896231	Flat ground
								Sample taken from depth of 15 cm
162224	1300	4225	B	Light brown	90% Sand 10% Clay	371301	5894224	Flat ground
								Sample taken from a depth of 20 cm
162225	1300	4275	NA	NA	No Sample	371301	5894280	No Sample, no Soil present
162226	1300	4325	B	Brown	90% Sand 10% Clay	371302	5894324	Flat ground
								Sample taken from a depth of 25 cm
								very gravely
162227	1300	4375	B	Brown	20% Clay 10% Silt	371293	5894377	45 Degree south facing slope
					70% Sand			Sample taken from a depth of 25 cm
162228	1300	4425	B	Brown	40% Clay 30% silt	371302	5894427	Rolling Hills
					30% Sand			Sample taken from a depth of 32 cm
162229	1300	4475	B	Grey Brown	40% Clay 30% silt	371303	5894478	Rolling Hills
					30% Sand			Sample taken from a depth of 32 cm
162230	1300	4525	B	Brown	40% Silt 60% Sand	371300	5894529	50 Degree west facing slope

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								Sample taken from a depth of 25 cm
162231	1300	4575	B	Dark Brown	70% Clay 20% sand	371307	5894579	15 degree east facing slope
					10% Silt			Sample taken from a depth of 25 cm
162232	1300	4625	B	Black	40% Clay 60% Sand	371297	5894626	15 degree south facing slope
								Sample taken from a depth of 25 cm
162233	1300	4675	B	Grey	30% Clay 20% silt	371298	5894674	Rolling Hills
					50% sand			Sample taken from a depth of 35 cm
162234	1300	4725	B	Brown	30% Clay 20% silt	371302	5894727	Rolling Hills
					50% sand			Sample taken from a depth of 45 cm
162235	1300	4775	B	Grey	10% clay 50% silt	371300	5894775	15 degree south facing slope
					40% sand			Sample taken from a depth of 45 cm
162236	1300	4825	B	Grey	40% Silt 40% clay	371299	5894827	Flat ground
					20% sand			Sample taken from a depth of 35 cm
162237	1300	4875	B	Grey	30% Clay 10% silt	371304	5894878	Rolling Hills
					60% sand			Sample taken from a depth of 25 cm
162238	1300	4925	B	Grey	30% Clay 50% Sand	371296	5894921	Rolling Hills
					20% Silt			Sample taken from a depth of 25 cm
162239	1300	4975	B	Grey	40% Clay 60% Sand	371298	5894975	Rolling Hills
								Sample taken from a depth of 25 cm
								rocky ground
162240	1300	5025	B	Grey	40% Clay 30% silt	371301	5895173	10 degree south facing slope
					30% Sand			Sample taken from a depth of 25 cm
162241	1300	5075	B	Dark Brown	20% Clay 40% Silt	3710305	5895073	25 degree south facing slope
					40% sand			Sample taken from a depth of 25 cm
162242	1300	5125	B	Grey Brown	30% Clay 35% Silt	371302	5895119	25 degree south facing slope
					35% Sand			Sample taken from a depth of 45 cm
								very gravely
162243	1300	5175	B	Grey	30% clay 70% sand	371299	5895174	15 degree south facing slope
								Sample taken from a depth of 20cm
								very gravely
162244	1300	5225	B	Grey Brown	30% clay 70% sand	371302	5895219	10 degree east facing slope
								Sample taken from a depth of 25cm
								very gravely
162245	1300	5275	B	Grey	30% clay 10% silt	371301	5895266	25 degree east facing slope
					60% sand			Sample taken from a depth of 25cm
								very rocky
162246	1300	5325	B	Brown	10% clay 90% sand	371298	5895320	25 degree east facing slope
								Sample taken from a depth of 25cm
162247	1300	5375	B	Grey	40% Clay 10% silt	371300	5895370	45 degree east facing slope
					50% sand			Sample taken from a depth of 32cm
162248	1300	5425	B	Grey	50% Clay 20% Silt	371309	5895423	20 degree east facing slope
					30% sand			Sample taken from a depth of 32cm
162249	1300	5475	B	Grey	40% Clay 10% silt	371290	5895472	15 degree north facing slope
					50% sand			Sample taken from a depth of 25cm
162250	1300	5525	B	Brown	40% Clay 60% Sand	371299	5895528	15 degree north facing slope
								Sample taken from a depth of 25cm

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
162251	1300	5575	B	Brown	30% Clay 70% Sand	371300	5895577	10 degree north facing slope
								Sample taken from a depth of 35cm
162252	1300	5625	B	Grey Brown	40% Clay 20% Silt	371294	5895620	10 degree east facing slope
					40% Sand			Sample taken from a depth of 25cm
								very gravely
162258	1300	5675	B	Grey	20% Clay 80% Sand	371299	5895677	10 degree north facing slope
								Sample taken from a depth of 35cm
								very gravely
162254	1300	5725	B	Brown	40% Clay 20% Silt	371306	5895731	Rolling Hills
					40% Sand			Sample taken from a depth of 35cm
162255	1300	5775	B	Grey Brown	40% Clay 60% Sand	371305	5895771	Rolling Hills
								Sample taken from a depth of 35cm
162256	1300	5825	B	Brown	30% clay 30% silt	371302	5895822	Rolling Hills
					40% sand			Sample taken from a depth of 20cm
162257	1300	5875	B	Grey	40% Clay 30% silt	371292	5895874	10 degree north facing slope
					30% Sand			Sample taken from a depth of 25cm
162258	1300	5925	B	Brown	40% Clay 40% Silt	371296	5895923	15 degree north facing slope
					20% Sand			Sample taken from a depth of 35cm
162259	1300	5975	B	Brown	50% Clay 40% Silt	371299	5895974	45 degree north west facing slope
					10% Sand			Sample taken from a depth of 45cm
162260	1300	6025	NA	NA	No Sample	371298	5896028	No Sample, Swamp
162261	1300	6075	B	Red Brown	10% Clay 30% Silt	371293	5896078	Rolling Hills
					60% Sand			Sample taken from a depth of 25cm
162262	1300	6125	B	Red Brown	20% Clay 20% silt	371298	5896129	Rolling Hills
					60% sand			Sample taken from a depth of 25cm
162263	1300	6175	NA	NA	No Sample	371299	5896172	No Sample, Swamp
162264	1300	6225	B	Grey	40% Clay 20% Silt	371296	5896230	Flat ground
					40% sand			Sample taken from a depth of 25cm
								very rocky
162431	1400	4125	NA	NA	No Sample	NA	NA	Lake
162432	1400	4175	NA	NA	No Sample	NA	NA	Lake
162433	1400	4225	NA	NA	No Sample	NA	NA	Lake
162434	1400	4275	B	Brown	100% Silt	371397	5894276	Flat Ground
								Beside a lake
								Sample taken from a depth of 30 cm
162435	1400	4325	B	Brown	100% Silt	371405	5894383	Flat Ground
								Sample taken from a depth of 15 cm
162436	1400	4375	B	Brown	70% Silt 30% Sand	371405	5894383	Flat Ground
								Sample taken from a depth of 20 cm
								Lots of rocks
162437	1400	4425	B	Brown	70% Sand 30% Silt	371394	5894431	Flat Ground
								Sample taken from a depth of 25 cm
162438	1400	4475	B	Brown	70% Sand 30% Silt	371396	5894475	Flat Ground
								Sample taken from a depth of 25 cm
162439	1400	4525	NA	NA	No Sample	371400	5894530	Lake
162440	1400	4575	NA	NA	No Sample	371400	5894580	Swamp

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
162441	1400	4625	B	Grey	50% Clay 50% Snad	371399	5894631	Flat Ground
								Sample taken from a depth of 25 cm
162442	1400	4675	B	Dark Grey	70% Sand 30% Clay	371403	5894677	30 degree North East facing slope
								Sample taken from a depth of 25 cm
162443	1400	4725	B	Brown grey	70% Sand 30% Clay	371402	5894727	Flat Ground
								Sample taken from a depth of 25 cm
								Deep A horizon
162444	1400	4775	B	Brown Grey	70% Sand 30% Clay	371394	5894778	Flat Ground
								Sample taken from a depth of 30 cm
162445	1400	4825	B	Grey Brown	60% Silt 40% Sand	371394	5894826	20 degree East facing slope
								Sample taken from a depth of 25 cm
162446	1400	4875	B	Grey Brown	60% Silt 40% Sand	371397	5894882	20 degree East facing slope
								Sample taken from a depth of 25 cm
162447	1400	4925	B	Grey	70% Sand 30% Clay	371394	5894926	15 degree East facing slope
								Sample taken from a depth of 35 cm
								Lots of rocks
162448	1400	4975	B	Dark Brown	70% Clay 30% Sand	371406	5894973	15 degree East facing slope
								Sample taken from a depth of 35 cm
162449	1400	5025	B	Dark Brown	60% Silt 40% Sand	371398	5895028	15 degree south facing slope
								Sample taken from a depth of 35 cm
169450	1400	5075	B	Grey	70% Sand 30% Clay	371400	5895083	20 degree south facing slope
								Sample taken from a depth of 20 cm
162201	1400	5125	B	grey	70% Sand 30% Clay	371401	5895130	20 degree south facing slope
								Sample taken from a depth of 35 cm
162202	1400	5175	B	Brown	90% Sand 10% Silt	371401	5895173	25 degree south facing slope
								Sample taken from a depth of 35 cm
162203	1400	5225	B	Brown	90% Sand 10% Silt	371401	5895228	30 degree North East facing slope
								Sample taken from a depth of 30 cm
162204	1400	5275	B	Grey	80% Sand 20% Clay	371400	5895281	30 degree North East facing slope
								Sample taken from a depth of 20 cm
162205	1400	5325	B	Grey	80% Sand 20% Clay	371395	5895331	25 degree East facing slope
								Sample taken from a depth of 25 cm
162206	1400	5375	B	Grey Brown	70% Sand 30% Silt	371390	5895369	25 degree East facing slope
								Sample taken from a depth of 15 cm
162207	1400	5425	B	Grey Brown	70% Sand 30% Silt	371401	5895427	15 degree North East facing slope
								Sample taken from a depth of 25 cm
162208	1400	5475	B	Grey Brown	70% Sand 30% Silt	371398	5895481	15 degree North East facing slope
								Sample taken from a depth of 20 cm
162209	1400	5525	B	Grey	70% Sand 30% Clay	371399	5895528	Flat Ground
								Sample taken from a depth of 10 cm
162210	1400	5575	B	Grey	70% Sand 30% Clay	371400	5895579	25 degree North facing slope
								Sample taken from a depth of 20 cm
162211	1400	5625	B	Brown	80% Silt 20% Sand	371400	5895626	Flat Ground
								Sample taken from a depth of 10 cm
162212	1400	5675	B	Brown	80% Silt 20% Sand	371399	5895680	10 degree East facing slope
								Sample taken from a depth of 25 cm

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
162213	1400	5725	B	Brown	70% Sand 30% Clay	371395	5895723	25 degree south facing slope Sample taken from a depth of 10 cm
162214	1400	5775	B	Brown	70% Sand 30% Silt	371396	5895781	Flat Ground Sample taken from a depth of 20 cm
162215	1400	5825	B	Grey Brwon	70% Sand 30% Silt	371402	5895827	Flat Ground Sample taken from a depth of 20 cm
162216	1400	5875	B	Brown	70% Sand 30% Silt	371398	5895878	10 degree East facing slope Sample taken from a depth of 15 cm
162217	1400	5925	B	Brown	80% Silt 20% Sand	371398	5895931	10 degree East facing slope Sample taken from a depth of 15 cm
162218	1400	5975	B	Brown	80% Silt 20% Sand	371403	5895979	20 degree North facing slope Sample taken from a depth of 35 cm
162219	1400	6025	B	Light Brown	80% Silt 20% Sand	371401	5896024	15 degree North facing slope Sample taken from a depth of 15 cm
162220	1400	6075	B	Grey Brown	70% Sand 30% Silt	371395	5896081	15 degree North facing slope Sample taken from a depth of 10 cm
162221	1400	6125	B	Grey Brown	80% Silt 20% Sand	371401	5896129	Flat Ground Sample taken from a depth of 20 cm
162222	1400	6175	B	Copper	80% Silt 20% Sand	371398	5896179	Flat Ground Sample taken from a depth of 20 cm
162223	1400	6225	NA	NA	No Sample	371400	589630	No Sample, Swamp
162154	1500	4025	B	Grey	30% Clay 70% Sand	371501	5894029	Rolling Hills Sample Taken from a depth of 25 cm
162155	1500	4075	B	Grey	70% Sand 10% Silt 20% Clay	371497	5894072	Rolling Hills Sample Taken from a depth of 25 cm
162156	1500	4125	NA	NA	No Sample	371498	5894131	No Sample, Swamp
162157	1500	4175	B	Grey	70% Sand 10% Silt 20% Clay	371503	5894172	Flat Ground Sample Taken from a depth of 25 cm
162158	1500	4225	B	Brown	70% Sand 10% Silt 20% Clay	371498	5894227	Flat Ground Sample Taken from a depth of 25 cm
162159	1500	4275	B	Brown	30% Clay 70% Sand	371495	5894275	Very Rocky ggravely material Flat Ground Sample Taken from a depth of 25 cm
162160	1500	4325	B	Brown	20% Silt 30% Clay 50% Sand	371498	5894330	Very Rocky ggravely material Flat Ground Sample Taken from a depth of 25 cm
162161	1500	4375	B	grey	40% Clay 60% Sand	371494	5894373	Very Rocky ggravely material Flat Ground Sample Taken from a depth of 45 cm
162162	1500	4425	B	Brown	70% Sand 10% Silt 20% Clay	371403	5894421	Rolling Hills Sample Taken from a depth of 25 cm
162163	1500	4475	B	Grey	40% Clay 40% Sand 20% Silt	371499	5894472	Rolling Hills Sample Taken from a depth of 25 cm
162164	1500	4525	B	Light Brown	30% Clay 70% Sand	371497	5894527	Very Rocky ggravely material Rolling Hills

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								Sample Taken from a depth of 25 cm
								Very Rocky ggravely material
162165	1500	4575	B	Brown	60% Sand 30% Clay	371500	5894578	Rolling Hills
					10% Silt			Sample Taken from a depth of 25 cm
162166	1500	4625	B	Grey	30% Clay 70% Sand	371500	5894631	Flat Ground
								Sample Taken from a depth of 25 cm
162167	1500	4675	NA	NA	No Sample	371489	5894675	No Sample, Swamp
162168	1500	4725	B	Grey	60% Clay 40% Sand	371498	5894720	45 Degree south facing slope
								Sample Taken from a depth of 45 cm
162169	1500	4775	B	Grey	70% Sand 10% Silt	371502	5894778	Slight south facing slope
					20% Clay			Sample Taken from a depth of 25 cm
162170	1500	4825	B	Grey Brwon	60% Clay 20% Silt	371503	5894824	Slight south facing slope
					20% Sand			Sample Taken from a depth of 25 cm
								Very Rocky
162171	1500	4875	B	Brown	30% Silt 70% Sand	371498	5894870	15 Degree south facing slope
								Sample Taken from a depth of 25 cm
162172	1500	4925	B	Grey Brown	60% Clay 20% Silt	371500	5894920	Slight south facing slope
					20% Sand			Sample Taken from a depth of 15 cm
162173	1500	4975	B	Grey Brown	40% Clay 30% Silt	371495	5894975	Slight south facing slope
					30% Sand			Sample Taken from a depth of 25 cm
162174	1500	5025	B	Grey	30% Clay 70% Sand	371500	5895020	Slight south facing slope
								Sample Taken from a depth of 20 cm
162175	1500	5075	B	Grey	10% Clay 90% Sand	371501	5895072	Slight south facing slope
								Sample Taken from a depth of 20 cm
								Very Rocky
162176	1500	5125	B	Grey	10% Clay 10% Silt	371503	5895126	Slight south facing slope
					80% Sand			Sample Taken from a depth of 20 cm
162177	1500	5175	B	Grey	60% Clay 20% Silt	371499	5895170	15 Degree south facing slope
					20% Sand			Sample Taken from a depth of 25 cm
162178	1500	5225	B	Brown	80% Sand 20% Silt	371503	5895222	20 Degree south facing slope
								Sample Taken from a depth of 30 cm
162179	1500	5275	B	Grey	30% Clay 70% Sand	371494	5895273	Very Rocky
								20 Degree south facing slope
								Sample Taken from a depth of 30 cm
162180	1500	5325	B	Brown	60% Sand 40% Silt	371506	5895327	Sample Taken from a depth of 30 cm
162181	1500	5375	B	Grey	50% Clay 50% Sand	371498	5895380	Rolling Hills
								Sample Taken from a depth of 25 cm
162182	1500	5425	B	Grey	30% Clay 70% Sand	371500	5985426	Rolling Hills
								Sample Taken from a depth of 25 cm
162183	1500	5475	B	Brown	90% Sand 10% Clay	371499	5895479	Rolling Hills
								Sample Taken from a depth of 25 cm
162184	1500	5525	B	Grey	40% Clay 60% sand	371501	5895530	Rolling Hills
								Sample Taken from a depth of 25 cm
								Very Gravely
162185	1500	5575	B	Dark Grey	40% Clay 60% sand	371499	5895580	Rolling Hills
								Sample Taken from a depth of 25 cm

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								Very Gravely
162186	1500	5625	B	Grey	50% Sand 50% Clay	371502	5895628	Rolling Hills
								Sample Taken from a depth of 25 cm
162187	1500	5675	B	Brown	30% Clay 30% Sand	371500	5895680	Rolling Hills
					40% Silt			Sample Taken from a depth of 25 cm
162188	1500	5725	NA	NA	No Sample	371500	5895730	No Sample, Swamp
162189	1500	5775	B	Brown	40% Clay 40% Sand	371501	5895780	Rolling Hills
					20% Silt			Sample Taken from a depth of 35 cm
162190	1500	5825	B	Grey	50% Silt 50% Sand	371496	5895830	Rolling Hills
								Sample Taken from a depth of 35 cm
162191	1500	5875	B	Grey	50% Clay 30% Sand	371499	5895878	Rolling Hills
					20% Silt			Sample Taken from a depth of 25 cm
162192	1500	5925	B	Brown	30% Clay 20% Silt	371502	5895925	Rolling Hills
					50% Sand			Sample Taken from a depth of 25 cm
162193	1500	5975	B	Grey Brown	30% Clay 20% Silt	371499	5895980	20 Degree north facing slope
					50% Sand			Sample Taken from a depth of 25 cm
162194	1500	6025	B	Brown	20% Clay 80% Sand	3710498	5896030	20 Degree north facing slope
								Sample Taken from a depth of 25 cm
162195	1500	6075	NA	NA	No Sample	371500	5896080	No Sample, Swamp
162196	1500	6125	B	Brown	90% Sand 10% Clay	371507	5896127	Flat Ground
								Sample Taken from a depth of 25 cm
								Very Gravely
162197	1500	6175	B	Grey	60% Clay 40% Sand	371500	5896176	Flat Ground
								Sample Taken from a depth of 40 cm
162198	1500	6225	B	Brown	10% clay 70% Sand	371496	5896230	Flat Ground
					20% Silt			Sample Taken from a depth of 25 cm
162486	1600	4025	B	Grey	90% Sand 10% Clay	371596	5894020	20 Degree NW Facing Slope
								Sample Taken From Depth of 25cm
162487	1600	4075	B	Brown	90% Sand 10% Clay	371604	5894070	Flat Ground
								Sample Taken From Depth of 20cm
162488	1600	4125	B	Grey	90% Sand 10% Clay	371598	5894118	Flat Ground
								Sample Taken From Depth of 20cm
162489	1600	4175	B	Grey	70% Clay 20% Sand	371603	5894165	Flat Ground
					10% Silt			Sample Taken From Depth of 20cm
162490	1600	4225	B	Brown Grey	70% Sand 30% Clay	371599	5894224	Flat Ground
								Sample Taken From Depth of 20cm
								Wet Ground
162491	1600	4275	B	Brown	90% Sand 10% Clay	371601	5894276	Flat Ground
								Sample Taken From Depth of 20cm
								Wet Ground
162492	1600	4325	B	Brown	70% Sand 30% Clay	371605	5894335	Flat Ground
								Sample Taken From Depth of 20cm
								Wet Ground
162493	1600	4375	B	Brown	80% Sand 20% Clay	371600	5894373	Flat Ground
								Sample Taken From Depth of 20cm
								Wet Ground

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
162494	1600	4425	B	Brown	70% Sand 30% Clay	371605	5894420	Rolling Hills Sample Taken From Depth of 35cm
162495	1600	4475	B	Brown	70% Sand 30% Clay	371605	5894478	Flat Ground Sample Taken From Depth of 25cm
162496	1600	4525	B	Grey	90% Sand 10% Clay	371602	5894523	Flat Ground Sample Taken From Depth of 25cm
162497	1600	4575	NA	NA	No Sample	371600	5894580	No Sample Swamp
162498	1600	4625	NA	NA	No Sample	371600	5894630	No Sample Swamp
162499	1600	4675	B	Grey	100% Clay	371604	5894680	Flat Ground Sample Taken From Depth of 25cm
162500	1600	4725	B	Grey	100% Clay	371605	5894718	Flat Ground Sample Taken From Depth of 25cm
162401	1600	4775	NA	NA	No Sample	371600	5894780	No Sample Swamp
162402	1600	4825	B	Grey	40% Clay 60% Sand	371598	5894825	Flat Ground Sample Taken From Depth of 40cm
162403	1600	4875	B	Grey	90% Clay 10% Sand	371598	5894880	Flat Ground Sample Taken From Depth of 25cm
162404	1600	4925	B	Brown	60% Sand 20% Silt 20% Clay	371608	5894925	Flat Ground Sample Taken From Depth of 25cm
162405	1600	4975	B	Brown	60% Silt 30% Sand 10% Clay	371602	5894976	Slight South Facing Slope Sample Taken From Depth of 25cm
162406	1600	5025	B	Grey Brown	50% Sand 30% Silt 20% Clay	371598	5895018	Slight South Facing Slope Sample Taken From Depth of 25cm
162407	1600	5075	B	Tan	60% Sand 20% Silt 20% Clay	371604	5895079	Very Gravely Rolling Hills Sample Taken From Depth of 25cm
162408	1600	5125	B	Grey Brown	60% Sand 20% Silt 20% Clay	371602	5895127	Rolling Hills Sample Taken From Depth of 25cm
162409	1600	5175	B	Brown	70% Sand 30% Clay	371601	5895174	Rolling Hills Sample Taken From Depth of 25cm
162410	1600	5225	B	Grey Brown	80% Sand 10% Silt 10% Clay	371595	5895225	Slight South Facing Slope Sample Taken From Depth of 25cm
162411	1600	5275	B	Brown	40% Clay 40% Sand 20% Silt	371595	5895271	Very Gravely Slight South Facing Slope Sample Taken From Depth of 20cm
162412	1600	5325	B	Grey Brown	50% Sand 50% Clay	371600	5895322	Rolling Hills Slight South Facing Slope Very Gravely
162413	1600	5375	B	Grey	90% Clay 10% Sand	371604	5895373	Rolling Hills Sample Taken From Depth of 25cm
162414	1600	5425	B	Grey	80% Silt 20% Clay	371591	58955416	Rolling Hills Sample Taken From Depth of 25cm
162415	1600	5475	B	Light Brown	50% Sand 50% Silt	371597	5895479	Rolling Hills Sample Taken From Depth of 25cm
162416	1600	5525	B	Grey Brown	100% Sand	371599	5895531	Rolling Hills Sample Taken From Depth of 25cm

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
162417	1600	5575	B	Grey	80% Sand 20% Clay	371607	5895579	Rolling Hills Sample Taken From Depth of 25cm
162418	1600	5625	B	Brown	70% Sand 30% Clay	371595	5895621	Rolling Hills Sample Taken From Depth of 25cm
162419	1600	5675	B	Brown	80% Sand 20% Clay	371597	5895674	Flat Ground Sample Taken From Depth of 25cm
162420	1600	5725	B	Tan	100% Sand	371598	5895727	Flat Ground Sample Taken From Depth of 25cm
162421	1600	5775	NA	NA	No Sample	371600	5895780	No Sample Swamp
162422	1600	5825	NA	NA	No Sample	371600	5895830	No Sample Swamp
162423	1600	5875	B	Grey	40% Clay 60% Sand	371602	5895878	Flat Ground Sample Taken From Depth of 25cm
162424	1600	5925	B	Brown	40% Clay 60% Sand	371598	5895930	Flat Ground Sample Taken From Depth of 25cm
162425	1600	5975	B	Brown	60% Sand 30% Clay 10% Silt	371592	5895974	Slight North Facing Slope Sample Taken From Depth of 25cm
162426	1600	6025	B	Grey Brown	50% Clay 50% Sand	371602	5896020	Flat Ground Sample Taken From Depth of 35cm
162427	1600	6075	B	Grey Brown	50% Clay 50% Sand	371592	5896081	Flat Ground Sample Taken From Depth of 35cm
162428	1600	6125	NA	NA	No Sample	371600	5896130	No Sample Swamp
162429	1600	6175	B	Brown	50% Sand 20% Silt 30% Clay	371605	5896175	30 Degree South Facing Slope Sample Taken From Depth of 25cm
162430	1600	6225	B	Brown	20% Clay 70% Sand 10% Silt	371602	5896219	Rolling Hills Sample Taken From Depth of 25cm
162025	1700	3925	B	Brown	80% Sand 20% Silt	371695	5893915	Flat Ground Sample Taken From a Depth of 30cm
162026	1700	3975	B	Brown	100% Sand	371708	5893970	20 Degree West Facing Slope Sample Taken From a Depth of 30cm
162027	1700	4025	NA	NA	No Sample	371700	5894030	No Sample Swamp
162028	1700	4075	B	Grey	80% Sand 20% Clay	371706	5894080	Flat Ground Sample Taken From a Depth of 25cm
162029	1700	4125	B	Grey Brown	80% Sand 20% Clay	371699	5894129	Flat Ground Sample Taken From a Depth of 25cm
162030	1700	4175	NA	NA	No Sample	371700	5894180	No Sample Swamp
162031	1700	4225	NA	NA	No Sample	371700	5894230	No Sample Swamp
162032	1700	4275	B	Brown	90% Sand 10% Clay	371697	5894271	Flat Ground Sample Taken From a Depth of 40cm
162033	1700	4325	B	Grey Brown	100% Sand	371699	5894331	Flat Ground Sample Taken From a Depth of 15cm
162034	1700	4375	B	Brown	60% Sand 40% Silt	371702	5894380	Small A Horizon Flat Ground Sample Taken From a Depth of 10cm
162035	1700	4425	NA	NA	No Sample	371700	5894430	No Sample Swamp
162036	1700	4475	B	Brown	60% Sand 40% Silt	371699	5894479	15 Degree East Facing Slope

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								Sample Taken From a Depth of 35cm
162037	1700	4525	B	Brown	70% Sand 30% Clay	371701	5894525	20 Degree North Facing Slope
								Sample Taken From a Depth of 40cm
162038	1700	4575	NA	NA	No Sample	371700	5894580	No Sample Swamp
162039	1700	4625	B	Grey Brown	100% Sand	371695	5894628	Flat Ground
								Sample Taken From a Depth of 25cm
162040	1700	4675	B	Grey Brown	60% Clay 50% Sand	371701	5894674	Flat Ground
								Sample Taken From a Depth of 20cm
162041	1700	4725	NA	NA	No Sample	371700	5894730	No Sample Swamp
162042	1700	4775	B	Brown	70% Sand 30% Clay	371699	5894777	Flat Ground
								Sample Taken From a Depth of 45cm
								Small A Horizon
								Small Sample
162043	1700	4825	B	Brown	80% Silt 20% Clay	371706	5894828	Flat Ground
								Sample Taken From a Depth of 25cm
								Small A Horizon
162044	1700	4875	B	Brown	80% Silt 20% Clay	371706	5894879	Flat Ground
								Sample Taken From a Depth of 20cm
162045	1700	4925	B	Brown	70% Silt 30% Clay	371700	5894930	Flat Ground
								Sample Taken From a Depth of 25cm
162046	1700	4975	B	Grey Brown	60% Silt 40% Sand	371701	5894976	Flat Ground
								Sample Taken From a Depth of 20cm
162047	1700	5025	B	Brown	70% Silt 30% Sand	371702	5895028	15 Degree NE Facing Slope
								Sample Taken From a Depth of 25cm
162048	1700	5075	B	Grey Brown	70% Silt 30% Sand	371699	5895078	15 Degree East Facing Slope
								Sample Taken From a Depth of 15cm
161873	1700	5125	B	Brown	70% Silt 30% Sand	371702	5895128	15 Degree East Facing Slope
								Sample Taken From a Depth of 15cm
								Small A Horizon
161874	1700	5175	B	Brown	70% Silt 30% Sand	371706	5895174	10 Degree East Facing Slope
								Sample Taken From a Depth of 15cm
								Small A Horizon
161877	1700	5225	B	Grey	50% Sand 50% Clay	371701	5895231	10 Degree East Facing Slope
								Sample Taken From a Depth of 15cm
161878	1700	5275	NA	NA	No Sample	371700	5894730	No Sample, Moss to Deep
161879	1700	5325	B	Grey	70% Sand 30% Clay	371702	5895330	15 Degree East Facing Slope
								Sample Taken From a Depth of 30cm
161880	1700	5375	B	Grey	70% Sand 30% Clay	371697	5895375	15 Degree East Facing Slope
								Sample Taken From a Depth of 15cm
161881	1700	5425	B	Grey	100% Sand	371696	5895431	25 Degree South Facing Slope
								Sample Taken From a Depth of 25cm
161882	1700	5475	B	Grey	70% Sand 30% Silt	371695	5895475	15 Degree South Facing Slope
								Sample Taken From a Depth of 25cm
161883	1700	5525	B	Grey	70% Sand 30% Silt	371700	5895532	Flat Ground
								Sample Taken From a Depth of 15cm
161884	1700	5575	B	Grey Brown	50% Sand 50% Clay	371696	5895576	10 Degree North Facing Slope

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								Sample Taken From a Depth of 25cm
161885	1700	5625	B	Brown	70% Silt 30% Sand	371703	5895633	Flat Ground
								Sample Taken From a Depth of 15cm
161886	1700	5675	NA	NA	No Sample	371700	5895680	No Sample Swamp
161887	1700	5725	B	Brown	70% Clay 30% Silt	371700	5895730	Flat Ground
								Sample Taken From a Depth of 10cm
161888	1700	5775	B	Brown	100% Silt	371696	5895772	Flat Ground
								Sample Taken From a Depth of 15cm
161889	1700	5825	NA	NA	No Sample	371700	5895830	No Sample Swamp
161890	1700	5875	B	Brown	70% Silt 30% Sand	371706	5895877	10 Degree North Facing Slope
								Sample Taken From a Depth of 20cm
161891	1700	5925	B	Brown	80% Sand 20% Silt	371703	5895939	15 Degree North Facing Slope
								Sample Taken From a Depth of 10cm
161892	1700	5975	B	Grey Brown	80% Sand 20% Silt	371700	5895978	10 Degree North Facing Slope
								Sample Taken From a Depth of 20cm
162049	1700	6025	NA	NA	No Sample	371700	5896030	No Sample Swamp
162050	1700	6075	B	Grey	70% Sand 30% Clay	371704	5896080	Flat Ground
								Sample Taken From a Depth of 20cm
162051	1700	6125	B	Brown	70% Sand 30% Silt	371700	5896130	Flat Ground
								Sample Taken From a Depth of 25cm
162052	1700	6175	B	Brown	70% Silt 30% Clay	371708	5896174	Flat Ground
								Sample Taken From a Depth of 30cm
162053	1700	6225	B	Grey	70% Sand 30% Silt	371705	5896226	Flat Ground
								Sample Taken From a Depth of 15cm
								Small A Horizon
162999	1800	3925	B	Brown	70% Sand 30% Silt	371800	5893920	Flat Ground
								Sample Taken From a Depth of 30cm
163000	1800	3975	B	Brown	70% Sand 30% Silt	371805	5893969	15 Degree North Facing Slope
								Sample Taken From a Depth of 35cm
162451	1800	4025	B	Grey Brown	70% Sand 30% Silt	371800	5894021	15 Degree North West Facing Slope
								Sample Taken From a Depth of 40cm
162452	1800	4075	B	Light Brown	70% Silt 30% Clay	371801	5894070	20 Degree North West Facing Slope
								Sample Taken From a Depth of 30cm
162453	1800	4125	B	Grey Brown	70% Silt 30% Clay	371802	5894122	20 Degree North West Facing Slope
								Sample Taken From a Depth of 40cm
162454	1800	4175	B	Brown	70% Silt 30% Clay	371799	5894172	20 Degree North West Facing Slope
								Sample Taken From a Depth of 40cm
162455	1800	4225	B	Grey	80% Sand 20% Rocks	371803	5894221	Flat Ground
								Sample Taken From a Depth of 30cm
162456	1800	4275	NA	NA	No Sample	371800	5894270	No Sample Swamp
162457	1800	4325	B	Brown	60% Silt 40% Sand	371801	5894332	10 Degree North West Facing Slope
								Sample Taken From a Depth of 30cm
162458	1800	4375	B	Grey	70% Sand 30% Silt	371796	5894371	Flat Ground
								Sample Taken From a Depth of 20cm
162459	1800	4425	B	Brown	70% Sand 30% Silt	371802	5894419	Flat Ground
								Sample Taken From a Depth of 30cm

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
162460	1800	4475	B	Brown	60% Silt 40% Sand	371804	5894478	10 Degree West Facing Slope Sample Taken From a Depth of 30cm
162461	1800	4525	B	Grey	80% Sand 20% Clay	371807	5894526	10 Degree West Facing Slope Sample Taken From a Depth of 25cm
162462	1800	4575	B	Light Brown	60% Silt 40% Sand	371804	5894574	10 Degree West Facing Slope Sample Taken From a Depth of 20cm
162463	1800	4625	B	Brown	60% Silt 40% Sand	371805	5894627	Flat Ground Sample Taken From a Depth of 20cm
162464	1800	4675	B	Brown	60% Silt 40% Sand	371801	5894675	30 Degree North West Facing Slope Sample Taken From a Depth of 25cm
162465	1800	4725	B	Brown	60% Silt 40% Sand	371799	5894731	30 Degree North West Facing Slope Sample Taken From a Depth of 30cm
162466	1800	4775	NA	NA	No Sample	371800	5894780	No Sample Swamp
162467	1800	4825	NA	NA	No Sample	371800	5894830	No Sample Swamp
162468	1800	4875	NA	NA	No Sample	371800	5894880	No Sample Swamp
162469	1800	4925	NA	NA	No Sample	371800	5894930	No Sample Swamp
162470	1800	4975	B	Brown	80% Sand 30% Clay	371796	5894980	Flat Ground Sample Taken From a Depth of 20cm
162471	1800	5025	NA	NA	No Sample	371800	5895030	No Sample Swamp
162472	1800	5075	B	Brown	60% Silt 40% Clay	371793	5895073	15 Degree South East Facing Slope Sample Taken From a Depth of 40cm
162473	1800	5125	B	Brown	80% Silt 30% Clay	371803	5895131	15 Degree South East Facing Slope Sample Taken From a Depth of 40cm
162474	1800	5175	B	Brown	80% Silt 30% Clay	371801	5895183	15 Degree East Facing Slope Sample Taken From a Depth of 35cm
162475	1800	5225	NA	NA	No Sample	371800	5895230	No Sample Moss to Thick
162476	1800	5275	B	Grey	100% Clay	371795	5895276	Flat Ground Sample Taken From a Depth of 35cm
162477	1800	5325	B	Grey	100% Clay	371801	5895328	15 Degree East Facing Slope Sample Taken From a Depth of 30cm
162478	1800	5375	B	Brown	80% Silt 20% Clay	371805	5895381	Flat Ground Sample Taken From a Depth of 30cm
162479	1800	5425	B	Brown	80% Silt 20% Clay	371801	5895432	Flat Ground Sample Taken From a Depth of 20cm
162480	1800	5475	B	grey	80% Sand 20% Clay	371796	5895481	15 Degree East Facing Slope Sample Taken From a Depth of 35cm
162481	1800	5525	B	Grey	80% Sand 20% Clay	371796	5895531	15 Degree South Facing Slope Sample Taken From a Depth of 15cm
162482	1800	5575	B	Brown	80% Sand 20% Clay	371798	5895575	15 Degree South Facing Slope Sample Taken From a Depth of 30cm
162483	1800	5625	B	Grey Brown	70% Silt 30% Clay	371795	5895624	10 Degree East Facing Slope Sample Taken From a Depth of 30cm
162484	1800	5675	B	Brown	70% Silt 30% Sand	371801	5895675	Flat Ground Sample Taken From a Depth of 30cm
162485	1800	5725	B	Grey	100% Clay	371803	5895727	Flat Ground Sample Taken From a Depth of 30cm

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
162962	1900	3925	B	Brown	80% Silt 20% Clay	371896	5893926	Flat Ground
								Sample taken from a Depth of 20cm
162963	1900	3975	B	Copper	80% Silt 20% Clay	371900	5893974	Flat Ground
								Sample taken from a Depth of 20cm
162964	1900	4025	B	Grey	100% Clay	371900	5894035	Flat Ground
								Sample taken from a Depth of 20cm
162965	1900	4075	B	Brown	80% Clay 20% Silt	371901	5894076	Flat Ground
								Sample taken from a Depth of 30cm
162966	1900	4125	B	Grey Brown	60% Sand 40% Clay	371905	5894131	Flat Ground
								Sample taken from a Depth of 30cm
162967	1900	4175	B	Brown	60% Sand 40% Clay	371894	5894189	Hill Side
								Sample taken from a Depth of 30cm
162968	1900	4225	B	Black	100% Clay	371901	5894232	Flat Ground
								Sample taken from a Depth of 40cm
162969	1900	4275	NA	NA	No Sample	371900	5894280	No Sample Swamp
162970	1900	4325	B	Brown	100% Silt	371903	5894329	Flat Ground
								Sample taken from a Depth of 30cm
162971	1900	4375	B	Grey Brown	50% Clay 50% Sand	371905	5894371	Flat Ground
								Sample taken from a Depth of 30cm
162972	1900	4425	B	Brown	80% Sand 20% Clay	371900	5894431	15 Degree West Facing Slope
								Sample taken from a Depth of 25cm
162973	1900	4475	B	Copper	100% Sand	371897	5894477	15 Degree West Facing Slope
								Sample taken from a Depth of 25cm
162974	1900	4525	B	Grey Brown	80% Silt 20% Sand	371899	5894522	15 Degree West Facing Slope
								Sample taken from a Depth of 25cm
162975	1900	4575	B	Grey Brown	80% Silt 20% Sand	371900	5894576	15 Degree West Facing Slope
								Sample taken from a Depth of 25cm
162976	1900	4625	B	Brown	80% Silt 20% Sand	371895	5894630	15 Degree West Facing Slope
								Sample taken from a Depth of 30cm
162977	1900	4675	B	Grey Brown	60% Sand 40% Clay	371901	5894675	15 Degree West Facing Slope
								Sample taken from a Depth of 30cm
162978	1900	4725	B	Brown	70% Silt 30% Sand	371895	5894728	15 Degree West Facing Slope
								Sample taken from a Depth of 25cm
162979	1900	4775	B	Brown	70% Silt 30% Sand	371897	5894771	25 Degree West Facing Slope
								Sample taken from a Depth of 25cm
162980	1900	4825	B	Brown	70% Silt 30% Sand	371901	5894831	25 Degree West Facing Slope
								Sample taken from a Depth of 30cm
162981	1900	4875	B	Brown	70% Silt 30% Sand	371901	5894880	25 Degree West Facing Slope
								Sample taken from a Depth of 20cm
162982	1900	4925	B	Brown	70% Silt 30% Sand	371902	5894926	25 Degree West Facing Slope
								Sample taken from a Depth of 20cm
162983	1900	4975	B	Brown	70% Silt 30% Sand	371895	5894976	25 Degree West Facing Slope
								Sample taken from a Depth of 25cm
162984	1900	5025	B	Brown	80% Sand 20% Clay	371897	5895031	15 Degree West Facing Slope
								Sample taken from a Depth of 35cm
162985	1900	5075	B	Grey	80% Clay 20% Silt	371902	5895075	15 Degree West Facing Slope

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								Sample taken from a Depth of 35cm
162986	1900	5125	B	Brown	70% Sand 30% Silt	371902	5895130	15 Degree West Facing Slope
								Sample taken from a Depth of 30cm
162987	1900	5175	NA	NA	No Sample	371900	5895180	No Sample Swamp
162988	1900	5225	B	Brown	80% Sand 20% Clay	371900	5895220	45 Degree West Facing Slope
								Sample taken from a Depth of 15cm
162989	1900	5275	B	Black	80% Sand 20% Clay	371900	5895280	45 Degree West Facing Slope
								Sample taken from a Depth of 25cm
162990	1900	5325	B	Grey Brown	50% Clay 50% Sand	371908	5895328	25 Degree West Facing Slope
								Sample taken from a Depth of 25cm
162991	1900	5375	B	Grey	50% Clay 50% Sand	371896	5895380	25 Degree West Facing Slope
								Sample taken from a Depth of 30cm
162992	1900	5425	B	Brown	70% Sand 30% Silt	371904	5895423	25 Degree West Facing Slope
								Sample taken from a Depth of 30cm
162993	1900	5475	B	Brown	70% Sand 30% Silt	371898	5895478	15 Degree West Facing Slope
								Sample taken from a Depth of 35cm
162994	1900	5525	B	Brown	70% Silt 30% Sand	371900	5895526	15 Degree West Facing Slope
								Sample taken from a Depth of 35cm
162995	1900	5575	B	Grey Brown	70% Sand 30% Silt	371894	5895570	Flat Ground
								Sample taken from a Depth of 35cm
162996	1900	5625	NA	NA	No Sample	371900	5895630	No Sample Swamp
162997	1900	5675	B	Brown	100% Silt	371898	5895675	Flat Ground
								Sample taken from a Depth of 20cm
162998	1900	5725	NA	NA	No Sample	371900	5895730	No Sample Swamp
930488	2000	3925	B	Brown	70% Sand 30% Clay	371998	5893930	Flat Ground
								Sample Taken From a Depth of 25cm
930489	2000	3975	B	Grey Brown	70% Sand 30% Clay	372005	5893970	15 Degree North Facing Slope
								Sample Taken From a Depth of 25cm
930490	2000	4025	B	Grey Brown	60% Sand 40% Clay	372000	5894023	15 Degree North Facing Slope
								Sample Taken From a Depth of 25cm
930491	2000	4075	B	Red Brown	80% Sand 20% Silt	372001	5894076	15 Degree North Facing Slope
								Sample Taken From a Depth of 25cm
930492	2000	4125	B	Dark Grey	80% Clay 20% Sand	372005	5894123	20 Degree North Facing Slope
								Sample Taken From a Depth of 25cm
930493	2000	4175	B	Grey	60% Sand 40% Clay	371998	5894176	15 Degree North Facing Slope
								Sample Taken From a Depth of 25cm
930494	2000	4225	B	Light Brown	30% Sand 30% Silt 40% Clay	371998	5894228	15 Degree North Facing Slope
								Sample Taken From a Depth of 25cm
930495	2000	4275	NA	NA	No Sample	372000	5894280	No Sample Deep Moss
930496	2000	4325	B	Grey Brown	50% Sand 50% Clay	372004	5894330	5 Degree North Facing Slope
								Sample Taken From a Depth of 25cm
930497	2000	4375	B	Red Brown	70% Sand 30% Clay	371999	5894378	5 Degree North Facing Slope
								Sample Taken From a Depth of 25cm
930498	2000	4425	B	Brown	60% sand 40% Clay	372000	5894428	Gentil West Facing Slope
								Sample Taken From a Depth of 25cm
930499	2000	4475	B	Brown	40% Sand 40% Silt	372000	5894477	Flat Ground

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
					20% Clay			Sample Taken From a Depth of 25cm
930500	2000	4525	B	Light Brown	40% Sand 40% Silt	372004	5894526	Flat Ground
					20% Clay			Sample Taken From a Depth of 25cm
162001	2000	4575	B	Brown	30% Clay 50% Sand	371998	5894577	Flat Ground
					20% Silt			Sample Taken From a Depth of 25cm
162002	2000	4625	B	Red Brown	60% Clay 40% Sand	371998	5894628	Rolling Hills
								Sample Taken From a Depth of 25cm
162003	2000	4675	B	Brown	60% Clay 40% Sand	372001	5894679	Rolling Hills
								Sample Taken From a Depth of 25cm
162004	2000	4725	B	Grey	60% Clay 40% Sand	372002	5894727	Flat Ground
								Sample Taken From a Depth of 25cm
162005	2000	4775	B	Brown	70% Sand 30% Silt	371998	5894777	Rolling Hills
								Sample Taken From a Depth of 25cm
162006	2000	4825	B	Brown	60% Clay 40% Sand	372001	5894825	Rolling Hills
								Sample Taken From a Depth of 25cm
162007	2000	4875	B	Brown	80% Sand 20% Clay	372000	5894875	Rolling Hills
								Sample Taken From a Depth of 25cm
162008	2000	4925	B	Brown	70% Sand 30% Silt	371997	5894930	Rolling Hills
								Sample Taken From a Depth of 25cm
162009	2000	4975	B	Grey Brown	80% Sand 20% Clay	371998	5894979	Rolling Hills
								Sample Taken From a Depth of 25cm
								Lots of gravel
162010	2000	5025	B	Grey	70% Sand 30% Clay	372001	5895025	Rolling Hills
								Sample Taken From a Depth of 25cm
162011	2000	5075	B	Brown	30% Clay 40% Sand	372000	5895074	Flat Ground
					30% Silt			Sample Taken From a Depth of 25cm
162012	2000	5125	B	Red Brown	70% Sand 30% Silt	372003	5895127	Flat Ground
								Sample Taken From a Depth of 25cm
162013	2000	5175	B	Brown	70% Sand 30% Clay	372003	5895180	Flat Ground
								Sample Taken From a Depth of 25cm
162014	2000	5225	B	Red Brown	90% Sand 10% Silt	371995	5895220	45 Degree North Facing Slope
								Sample Taken From a Depth of 25cm
162015	2000	5275	B	Grey	50% Clay 50% Sand	372001	5895278	Flat Ground
								Sample Taken From a Depth of 25cm
162016	2000	5325	B	Grey Brown	70% Sand 30% Clay	371996	5895320	Flat Ground
								Sample Taken From a Depth of 25cm
162017	2000	5375	B	Brown	60% Sand 20% Silt	372001	5895372	Flat Ground
					20% Clay			Sample Taken From a Depth of 25cm
162018	2000	5425	B	Grey	80% Sand 20% Clay	372001	5895423	15 Degree south Facing Slope
								Sample Taken From a Depth of 50cm
162019	2000	5475	B	Brown	40% Silt 40% sand	371998	5895480	Flat Ground
					20% Clay			Sample Taken From a Depth of 15cm
162020	2000	5525	B	Brown	80% Silt 20% Clay	372002	5895528	Flat Ground
								Sample Taken From a Depth of 15cm
162021	2000	5575	B	Brown	40% Sand 30% Clay	371999	5895574	10 Degree North Facing Slope
					30% Silt			Sample Taken From a Depth of 25cm

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
162022	2000	5625	B	Grey Brown	80% Sand 20% Silt	372004	5895629	Flat Ground
								Sample Taken From a Depth of 25cm
162023	2000	5675	B	Grey Brown	70% Sand 30% Clay	371995	5895680	Slight north Facing Slope
								Sample Taken From a Depth of 25cm
162024	2000	5725	NA	NA	No Sample	372000	5895730	No Sample Swamp
162075	2100	3925	B	Brown	40% Sand 40% Clay	372106	5893912	Gentle North facing Slope
					20% Silt			Sample taken from a depth of 10cm
162076	2100	3975	B	Brown	60% Clay 40% Sand	372104	5893998	Gentle North facing Slope
								Sample taken from a depth of 25cm
162077	2100	4025	B	Brown	90% Clay 10% Silt	372105	5894018	Gentle North facing Slope
								Sample taken from a depth of 25cm
162078	2100	4075	B	Grey	90% Clay 10% Silt	372105	5894083	Flat Ground
								Sample taken from a depth of 25cm
162079	2100	4125	B	Grey	40% Clay 40% Sand	372107	5894130	Gentle North facing Slope
					20% Silt			Sample taken from a depth of 25cm
162080	2100	4175	B	Grey	60% Sand 40% Clay	372097	5894179	Flat Ground
								Sample taken from a depth of 25cm
								Very Gravely
162081	2100	4225	B	Grey	80% Sand 20% Clay	372102	5894238	Flat Ground
								Sample taken from a depth of 25cm
162082	2100	4275	NA	NA	No Sample	372100	5894280	No Sample, No Soil just boulders
162083	2100	4325	B	Brown	60% Clay 40% Silt	372089	5894320	Flat Ground
								Sample taken from a depth of 25cm
162084	2100	4375	B	Brown	30% Clay 30% Silt	372097	5894373	Flat Ground
					40% Sand			Sample taken from a depth of 25cm
162085	2100	4425	NA	NA	No Sample	372100	5894430	No Sample, No Soil just boulders
162086	2100	4475	B	Brown	20% Sand 50% Silt	372099	5894479	Flat Ground
					30% Clay			Sample taken from a depth of 25cm
162087	2100	4525	B	Brown	40% Clay 60% Sand	372104	5894520	Flat Ground
								Sample taken from a depth of 25cm
162088	2100	4575	B	Brown	30% Sand 30% Silt	372094	5894588	rolling Hills
					40% Clay			Sample taken from a depth of 10cm
162089	2100	4625	NA	NA	No Sample	372100	5894630	No Sample, Swamp
162090	2100	4675	B	Brown	40% Sand 30% Silt	372100	5894671	rolling Hills
					30% Clay			Sample taken from a depth of 10cm
162091	2100	4725	B	Brown	70% Sand 30% Clay	372106	5894730	rolling Hills
								Sample taken from a depth of 10cm
162092	2100	4775	B	Brown	60% Sand 40% Clay	372103	5894779	rolling Hills
								Sample taken from a depth of 10cm
162093	2100	4825	B	Brown	60% Sand 40% Clay	372100	5894830	rolling Hills
								Sample taken from a depth of 10cm
162094	2100	4875	B	Brown	70% Sand 30% Clay	372100	5894878	rolling Hills
								Sample taken from a depth of 25cm
								Very Gravely
162095	2100	4925	B	Brown	50% Sand 50% Clay	372104	5894929	rolling Hills
								Sample taken from a depth of 25cm

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								Very Gravely
162096	2100	4975	B	Red Brown	70% Sand 30% Clay	372099	589470	Sample taken from a depth of 25cm
								Very Gravely
162097	2100	5025	B	Brown	80% Silt 20% Sand	372100	5895024	Flat Ground
								Sample taken from a depth of 25cm
162098	2100	5075	B	Brown	50% Sand 50% Clay	372108	5895073	Flat Ground
								Sample taken from a depth of 25cm
162099	2100	5125	B	Brown	50% Sand 50% Clay	372101	5895120	Flat Ground
								Sample taken from a depth of 25cm
162100	2100	5175	B	Grey Brown	70% Sand 30% Clay	372096	5895174	Flat Ground
								Sample taken from a depth of 25cm
162951	2100	5225	B	Grey Brown	80% Silt 20% Sand	372100	5895218	Flat Ground
								Sample taken from a depth of 25cm
162952	2100	5275	B	Brown	70% Sand 30% Clay	372106	5895277	45 Degree North Facing Slope
								Sample taken from a depth of 25cm
162953	2100	5325	B	Brown	80% Clay 20% Sand	372112	5895324	35 Degree North Facing Slope
								Sample taken from a depth of 25cm
162954	2100	5375	B	Grey	30% Clay 50% Sand 20% Silt	372101	5895379	rolling Hills
								Sample taken from a depth of 25cm
162955	2100	5425	B	Grey Brown	40% Clay 40% Sand 20% Silt	372106	5895426	20 Degree North Facing Slope
								Sample taken from a depth of 25cm
162956	2100	5475	NA	NA	No Sample	372100	5895480	No Sample Deep Moss
162957	2100	5525	B	Grey	100% Snad	372105	5895530	Flat Ground
								Sample taken from a depth of 60cm
162958	2100	5575	B	Brown	50% Clay 30% Sand 20% Silt	372098	5895576	Flat Ground
								Sample taken from a depth of 15cm
162959	2100	5625	B	Grey Brown	70% Sand 30% Clay	372099	5895631	Sample taken from a depth of 25cm
								Flat Ground
162960	2100	5675	B	Grey	70% Sand 30% Clay	372096	5895677	Sample taken from a depth of 25cm
								Flat Ground
162961	2100	5725	B	Brown	50% Clay 30% Sand 20% Silt	372103	5895730	Sample taken from a depth of 25cm
								Flat Ground
162138	2200	3925	B	Grey Brown	80% Clay 20% Sand	372209	5893922	Flat Ground
								Sample Taken From a depth of 25cm
162139	2200	3975	B	Brown	80% Silt 20% Clay	372198	5893981	Flat Ground
								Sample Taken From a depth of 25cm
162140	2200	4025	B	Grey Brown	50% Silt 50% Sand	372204	5894021	Wet Soil
162141	2200	4075	B	Grey	80% Clay 20% Sand	372204	5894077	Lots of rocks
162142	2200	4125	B	Grey	80% Clay 20% Sand	372197	5894122	Lots of rocks
162143	2200	4175	B	Grey Brown	100% Clay	372198	5894179	Mossy lots of rocks
162144	2200	4225	B	Brown	50% Clay 50% Silt	372205	5894240	50cm to soils very mossy
162145	2200	4275	NA	NA	No Sample	372200	5894280	No Sample Swamp
162146	2200	4325	B	Brown	100% Silt	372196	5894326	Very Swampy
162147	2200	4375	B	Grey Brown	60% Sand 40% Clay	372195	5894378	Thick Moss Lots of rocks
162148	2200	4425	B	Grey Brown	60% Sand 40% Clay	372202	5894423	Thick Moss Lots of rocks
162149	2200	4475	B	Grey Brown	70% Silt 30% Clay	372198	5894471	Fine Soil

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
162150	2200	4525	B	Copper	50% Silt 50% Sand	372195	5894519	Thick Moss Lots of rocks
162051	2200	4575	B	Brown	80% Silt 20% Clay	372206	5894580	20Degree west slope
162052	2200	4625	B	Grey Brown	80% Silt 20% Clay	372201	5894630	20Degree west slope
162053	2200	4675	B	Grey	70% Clay 30% Silt	372199	5894680	Deep Moss
162054	2200	4725	B	Brown	70% Sand 30% Silt	372201	5894730	Thick Moss Lots of rocks
162055	2200	4775	B	Brown	100% Sand	372204	5894777	Clumpy Soil
162056	2200	4825	B	Brown	60% Clay 40% Silt	372205	5894825	Beside a swamp
162057	2200	4875	B	Red Brown	50% Silt 50% Sand	372200	5894880	Thick Moss Lots of rocks
162058	2200	4925	B	Brown	80% Silt 20% Clay	372201	5894927	Thick Moss Lots of rocks
162059	2200	4975	B	Brown	70% Sand 30% Silt	372199	5894979	No Rocks
162060	2200	5025	B	Copper	80% Silt 20% Clay	372197	5895027	No A horizon
162061	2200	5075	NA	NA	No Sample	372200	5895080	No Sample Swamp
162062	2200	5125	NA	NA	No Sample	372200	5895130	No Sample Swamp
162063	2200	5175	NA	NA	No Sample	372200	5895180	No Sample Swamp
162064	2200	5225	B	Grey	80% Sand 20%Clay	372196	5895221	Very Rocky
162065	2200	5275	B	Brown	80% Sand 20%Clay	372193	5895280	Very Rocky
162066	2200	5325	NA	NA	No Sample	372200	5895330	No Sample Swamp
162067	2200	5375	B	Brown	80% Sand 20%Clay	372205	5895377	Lots of rocks
162068	2200	5425	B	Brown	60% Silt 40% Sand	372199	5895430	No Rocks Very Mossy
162069	2200	5475	B	Grey	60% Sand 40% Clay	372206	5895478	Very Rocky
162070	2200	5525	B	Brown	60% Sand 40% Clay	372196	5895525	Lots of rocks
162071	2200	5575	B	Grey Brown	80% Sand 20%Clay	372199	5895580	Lots of rocks
162072	2200	5625	B	Brown	80% Silt 20% Clay	372197	5895630	Mossy lots of rocks
162073	2200	5675	B	Brown	80% Silt 20% Clay	372201	5895675	Mossy lots of rocks
162074	2200	5725	B	Brown	80% Silt 20% Clay	372200	5895731	Dry Soil
162101	2300	3925	B	Grey	70% Sand 30% Clay	372297	5893923	Norht Facing Slope
								Sample Taken From Depth of 25cm
162102	2300	3975	B	Brown	80% sand 20% clay	372302	5893976	Sample Taken From Depth of 25cm
162103	2300	4025	B	grey	80% Clay 20% Sand	372300	5894027	Very Rocky Ground
								Lots of Gravel
162104	2300	4075	B	Grey	80% Clay 20% Sand	372296	5894076	Flat Ground
								Sample Taken From Depth of 15cm
162105	2300	4125	B	Grey Brown	80% Clay 20% Sand	372303	5894128	Norht Facing Slope
								Sample Taken From Depth of 25cm
162106	2300	4175	B	Grey	50% Sand 50% Clay	372306	5894182	Norht Facing Slope
								Sample Taken From Depth of 50cm
162107	2300	4225	B	Grey	80% Clay 20% Sand	372302	5894223	Norht Facing Slope
								Sample Taken From Depth of 15cm
162108	2300	4275	NA	NA	No Sample	372300	5894280	No Sample Swamp
162109	2300	4325	B	Grey Brown	80% sand 20% clay	372308	5894323	Flat Ground
								Sample Taken From Depth of 15cm
162110	2300	4375	B	Brown	80% Sand 20% Silt	372304	5894374	Flat Ground
								Sample Taken From Depth of 15cm
162111	2300	4425	B	Grey Brown	60% Sand 20% Clay	372290	5894429	Rolling Hills
					20% Silt			Sample Taken From Depth of 15cm
162112	2300	4475	B	Brown	80% Clay 20% Sand	372300	5894480	Flat Ground

Sample#	Line #	Station #	Horizon	Soil Colour	Sample Composition	Northing	Easting	Comments
								Sample Taken From Depth of 15cm
162113	2300	4525	B	Grey Brown	60% Sand 40% Clay	372296	5894527	Flat Ground
								Sample Taken From Depth of 15cm
162114	2300	4575	NA	NA	No Sample	372300	5894580	No Sample Deep Moss, Swamp
162115	2300	4625	NA	NA	No Sample	372300	5894630	No Sample Deep Moss, Swamp
162116	2300	4675	NA	NA	No Sample	372300	5894680	No Sample Deep Moss, Swamp
162117	2300	4725	NA	NA	No Sample	372300	5894730	No Sample Deep Moss, Swamp
162118	2300	4775	NA	NA	No Sample	372300	5894780	No Sample Deep Moss, Swamp
162119	2300	4825	B	Grey	50% Clay 50% Sand	372299	5894825	Flat Ground
162120	2300	4875	B	Brown	50% Clay 50% Sand	372302	5894868	Flat Ground
								Sample Taken From Depth of 15cm
162121	2300	4925	B	Brown	80% Sand 20% Silt	372294	5894930	Flat Ground
								Sample Taken From Depth of 25cm
162122	2300	4975	B	Grey	60% Sand 40% Clay	372297	5894972	Flat Ground
								Sample Taken From Depth of 25cm
162123	2300	5025	B	Grey Brown	50% Clay 25% Sand 25% Silt	372298	5895026	25 Degree North Facing Slope
								Sample Taken From Depth of 20cm
162124	2300	5075	B	Brown	60% Sand 40% Clay	372297	5895078	25 Degree North Facing Slope
								Sample Taken From Depth of 20cm
162125	2300	5125	B	Brown	90% Sand 10%Clay	372300	5895122	25 Degree North Facing Slope
								Sample Taken From Depth of 25cm
162126	2300	5175	B	Grey Brown	50% Clay 25% Sand 25% Silt	372308	5895180	25 Degree North Facing Slope
								Sample Taken From Depth of 25cm
162127	2300	5225	B	Brown	80% Sand 20% Clay	372295	5895228	Flat Ground
								Sample Taken From Depth of 25cm
162128	2300	5275	B	Grey Brown	50% Clay 25% Sand 25% Silt	372308	5895278	25 Degree North Facing Slope
								Sample Taken From Depth of 25cm
162129	2300	5325	B	Brown	90% Sand 10%Clay	372304	5895325	25 Degree North Facing Slope
								Sample Taken From Depth of 25cm
162130	2300	5375	B	Brown	50% Clay 50% Sand	372301	5895374	Sample Taken From Depth of 25cm
162131	2300	5425	B	Brown	70% Sand 30% Clay	372305	5895430	Sample Taken From Depth of 15cm
162132	2300	5475	B	Grey Brown	100% Clay	372296	5895474	Sample Taken From Depth of 25cm
162133	2300	5525	B	Brown	80% Sand 20% Clay	372298	5895520	Sample Taken From Depth of 25cm
162134	2300	5575	B	Brown	50% sand 50% silt	372295	5895578	Sample Taken From Depth of 25cm
162135	2300	5625	B	Brown	50% Sand 30% Silt 20% Clay	372297	5895634	Sample Taken From Depth of 15cm
								20% Clay
162136	2300	5675	B	Tan	60% Clay 40% Sand	372302	5895677	Gentle South Facing Slope
								Sample Taken From Depth of 15cm
162137	2300	5725	B	Tan	60% Clay 40% Sand	372307	5895732	Sample Taken From Depth of 25cm
930451	2400	3925	B	Grey Brown	60% Clay 40% Sand	372392	5893912	Small Rocks
930452	2400	3975	B	Brown	50% Sand 50% Silt	372401	5893978	No Rocks
930453	2400	4025	B	Grey	60% Clay 40% Sand	372394	5894030	Big rocks
930454	2400	4075	B	Grey	60% Clay 40% Sand	372398	5894069	Very Gravely
930455	2400	4125	B	Red brown	50% Sand 50% Silt	372396	5894143	No rocks
930456	2400	4175	B	Grey Brown	60% Clay 40% Sand	372392	5894175	Big Rocks
930457	2400	4225	B	Brown	100% Sand	372403	5894226	Very Gravely

<u>Sample#</u>	<u>Line #</u>	<u>Station #</u>	<u>Horizon</u>	<u>Soil Colour</u>	<u>Sample Composition</u>	<u>Northing</u>	<u>Easting</u>	<u>Comments</u>
930458	2400	4275	B	Brown	80% Sand 20% Silt	372400	5894272	Big Rocks
930459	2400	4325	B	Grey	90% Clay 10% Silt	372401	5894328	Big rocks
930460	2400	4375	B	Grey	90% Clay 10% Silt	372403	5894389	Big rocks
930461	2400	4425	B	Grey Brown	80% Sand 20% Silt	372400	5894426	Very Gravely
930462	2400	4475	B	Grey Brown	80% Sand 20% Silt	372406	5894478	Lots of Rocks
930463	2400	4525	B	Grey	90% Clay 10% Silt	372404	5894528	Little Pebbles
930464	2400	4575	B	Grey Brown	80% Sand 20% Clay	372396	5894578	No Rocks
930465	2400	4625	B	Copper	80% Silt 20% Sand	372394	5894625	No Rocks
930466	2400	4675	B	Copper	80% Silt 20% Sand	372399	5894674	No Rocks
930467	2400	4725	B	Copper	80% Silt 20% Sand	372401	5894732	
930468	2400	4775	NA	NA	No Sample	372400	5894780	No Sample Swamp
930469	2400	4825	B	Brown	80% Silt 20% Sand	372415	5894826	
930470	2400	4875	B	Grey	60% Clay 40% Sand	372408	5894875	Clumpy Soil
930471	2400	4925	B	Grey	60% Clay 40% Sand	372394	5894928	Very Gravely
930472	2400	4975	B	Grey	60% Clay 40% Sand	372405	5894969	Very Gravely
930473	2400	5025	B	Brown	80% Silt 20% Sand	372396	5895027	
930474	2400	5075	B	Grey	50% Clay 50% Silt	372401	5895081	
930475	2400	5125	B	Brown	60% sand 40% Clay	372398	5895131	Very Gravely
930476	2400	5175	B	Brown	60% sand 40% Clay	372399	5895188	Very Gravely
930477	2400	5225	B	Grey	70% Clay 30% Sand	372401	5895228	Very Gravely
930478	2400	5275	B	Brown	60% sand 40% Clay	372401	5895284	
930479	2400	5325	B	Grey	80% Silt 20% Sand	372402	5895321	rocky
930480	2400	5375	B	Brown	80% Silt 20% Sand	372395	5895387	
930481	2400	5425	NA	NA	No Sample	372400	5895430	No Sample Swamp
930482	2400	5475	B	Brown	50% Clay 50% Silt	372401	5895480	
930483	2400	5525	B	Brown	80% Silt 20% Sand	372395	5895530	
930484	2400	5575	B	Brown	80% Silt 20% Sand	372395	5895576	
930485	2400	5625	B	Brown	80% Sand 20% Silt	372402	5895623	
930486	2400	5675	B	Brown	80% Silt 20% Sand	372400	5895676	
930487	2400	5725	B	Brown	80% Silt 20% Sand	372403	5895730	