

## **2011 Surface Work**

**On the**

### **Dan Property**

**Dan 1 to 21 (YC96601 to YC96621)**

**Dan 23 to 168 (YC99623 to YC96768)**

**Dan 169 to 368 (YD43201 to YD43400)**

**Dan 369 to 452 (YD47683 to YD47766)**

**Dawson Mining District, Yukon  
NTS Sheets 115O11, 115O12, and 115O13  
63°39'N. Lat., 139°30'W. Long.**

**Operated by**



**By  
Mark Fekete, P.Geo.  
and  
Neda Dokic, B.Sc., GIT  
December 1, 2011**

## Summary

In 2011 Taku Gold Corp completed a preliminary reconnaissance deep auger-type soil geochemical survey on the 451-claim (9,335ha) Dan property located approximately 45km south of Dawson City, Yukon. The goal of the work was to identify potential gold-bearing structures by outlining geochemical trends.

The Dan property is held 100% by Taku Gold Corp. under the terms of an agreement with Shawn Ryan subject to 2% royalty on mineral production. The Property is located in an isolated part of the Yukon with no local resources or infrastructure. Fuel, supplies and equipment can be flown in from Dawson City by helicopter.

Very little previous work has been completed on the Property. In 2010 Taku Gold Corp. high resolution magnetic and radiometric airborne surveys over the entire Property and deep auger-type soil geochemical surveys on four selected grids.

The Property lies within the Yukon-Tanana Terrane which consists of several successions of complexly deformed Late Proterozoic to Late Permian sedimentary and volcanic rocks episodically intruded by various intrusive rocks in the Permian, Jurassic, Cretaceous, and Tertiary periods. The intrusive events have been accompanied by volcanic activity especially in the Upper Jurassic to Lower Cretaceous. Limited mapping on the Property indicates that the Reindeer Thrust Fault strikes northwest-southeast along the length of the Property.

The Property lies in the underexplored Klondike-White Gold district of the loosely defined Tintina Gold Belt. Taku's exploration effort at Dan is based on practical survey methods that generate drill targets and have led to discoveries in the area including Underworld's May 2009 discovery of the Saddle and Arc zones approximately 55km south of Dan. Detailed geochemical surveys and closely spaced, low altitude, helicopter-borne geophysical surveys have been proven to be effective in the area. Due to the deeply weathered nature of the soils in this un-glaciated area, it is very important to take samples from the deeper C-horizon.

A total of 2,079 soil samples, including field duplicates, were collected at stations 50m apart along the ridges and spurs of the Property using predetermined GPS traverse lines. The traverses were selected to provide preliminary coverage over the entire Property in such a way that would indicate potential gold trends rather than spot anomalies.

The soil samples returned gold values ranging from below detection limit (i.e. <0.5ppb Au) to a maximum of 73.3ppb Au. Overall the results were weak and did not show any anomalous clusters. There were no gold-in-soil trends defined by the soil sampling.

There is the possibility that the geometry of the Reindeer Thrust Fault, the main structural gold target on the Property, is not amenable to exploration by soil sampling. Detailed prospecting and sampling along the fault may be a better approach and may lead to more favourable results.

After two seasons of exploration work including an airborne geophysical survey and two soil geochemical surveys totaling 4,010 soil samples, no significant gold-in-soil anomalies have been defined and no suitable drill targets have been identified. Therefore no further work is justified and it is recommended that the Dan option be terminated.

## Certificate of Qualifications

I, Mark Fekete, having my place of residence at 178 Dennison Boulevard in Val d'Or in the Province of Quebec do hereby certify that:

1. I obtained a Bachelor of Science Degree in Geology from the University of British Columbia in 1986, I have been engaged as a Geologist continuously since 1986 and I am a Member in good standing of the Order of Geologists of Quebec (OGQ #553) and the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC #31440), and I am a "qualified person" as defined in Section 1.2 in and for the purposes of National Instrument 43-101;
2. I have visited the Dan property on numerous occasions including most recently in July 2011;
3. I co-wrote and I am, as the senior author and qualified person, responsible for the contents of this technical report entitled "2011 Surface Work on the Dan Property, Dawson Mining District, Yukon, NTS Sheets 115O11, 115O12, and 115O13, 63°39'N. Lat., 139°30'W. Long.," based on my professional experience, a review of relevant reports and maps made available to me from government and corporate sources and my participation in the work programs described in the report;
4. I am not aware of any material fact or material change with respect to the subject matter of the report that is not disclosed in the report which, by its omission, makes the report misleading;
5. I am an Officer and Director and I beneficially hold a number of shares in Taku Gold Corp.;
6. I hold no direct interest in the Dan property as a result of my prior involvement with the property; and
7. I have read, and this report has not been prepared for the purposes, nor in full compliance with, National Instrument 43-10, 1 and according to Form 43-101F1.

Respectfully submitted this 1<sup>st</sup> day of December 2011,

(s) "*Mark Fekete*"

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Mark Fekete, P.Geo.

## Certificate of Qualifications

I, Neda Dokic, having my place of residence at 60 Stope Way in Whitehorse in the Territory of the Yukon do hereby certify that:

1. I obtained a Bachelor of Science Degree in Geology from Acadia University in May 2011, I have been engaged as a Geologist in Training (“GIT”) continuously since May 2011 and I am not a “qualified person” as defined in Section 1.2 in and for the purposes of National Instrument 43-101;
2. I have visited the Dan property on numerous occasions including most recently in July 2011;
3. I co-wrote this technical report entitled “2011 Surface Work on the Dan Property, Dawson Mining District, Yukon, NTS Sheets 115O11, 115O12, and 115O13, 63°39’N. Lat., 139°30’W. Long.,” under the supervision of Mark Fekete, P.Ge.;
4. I am not aware of any material fact or material change with respect to the subject matter of the report that is not disclosed in the report which, by its omission, makes the report misleading;
5. I do not beneficially hold a number of shares in Taku Gold Corp.;
6. I hold no direct interest in the Dan property as a result of my prior involvement with the property; and
7. I have read, and this report has not been prepared for the purposes, or in full compliance with, National Instrument 43-10, 1 and according to Form 43-101F1.

Respectfully submitted this 1<sup>st</sup> day of December 2011,

(s) “*Neda Dokic*”

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Neda Dokic, B.Sc., GIT



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## 1. Introduction and Terms of Reference

Breakaway Exploration Management Inc. (“Breakaway”) was retained by Taku Gold. Corp. (“Taku”) to write a technical report (the “Report”) describing the surface exploration work carried out on the Dan property (“Dan” or the “Property”) in Yukon in 2011. The Report describes the soil geochemical sampling survey completed.

The goal of the surface work was to identify areas of anomalous gold-in-soil that may be related to the gold bearing structures similar to Kinross’s White Gold deposit located about 55km south of the Property.

The Report is based primarily on the results of the work completed on Dan in 2011 but also contains information obtained from a review of relevant reports and maps cited throughout the Report. The Report was prepared by Geologist in Training Neda Dokic (the “Junior Author”) under the supervision of Professional Geologist Mark Fekete (the “Senior Author”). The Authors have visited and personally inspected the Property on numerous occasions most recently in July 2011. The Senior Author is the designated “qualified person” as defined in Section 1.2 in and for the purposes of National Instrument 43-101. The main purpose of the Report is to complete statutory assessment work filings required under the Yukon Quartz Mining Act. It is not intended to and does not fully comply with National Instrument 43-101. The Report contains specific recommendations and proposes a budget for further work.

The metric system is used for all units of measure mentioned in the Report and all dollar amounts are in Canadian funds unless otherwise stated. All figures presented in the Report are plotted in map projection UTM NAD 83, Zone 7 unless otherwise stated.

## 2. Reliance on Other Experts

The Authors may have relied on technical data and interpretations found in various sources cited throughout the report. The Authors may not have verified this information and take no responsibility for its accuracy or completeness. Reference to the compliance or non-compliance with NI 43-101 standards of historical information and data referred to in this Report are made where appropriate. The Authors do not offer any opinion concerning legal, title, environmental, political or other non-technical issues that may be relevant to the Report. The Report may contain links to several web-sites. The Authors take no responsibility for the functionality or content of these websites.

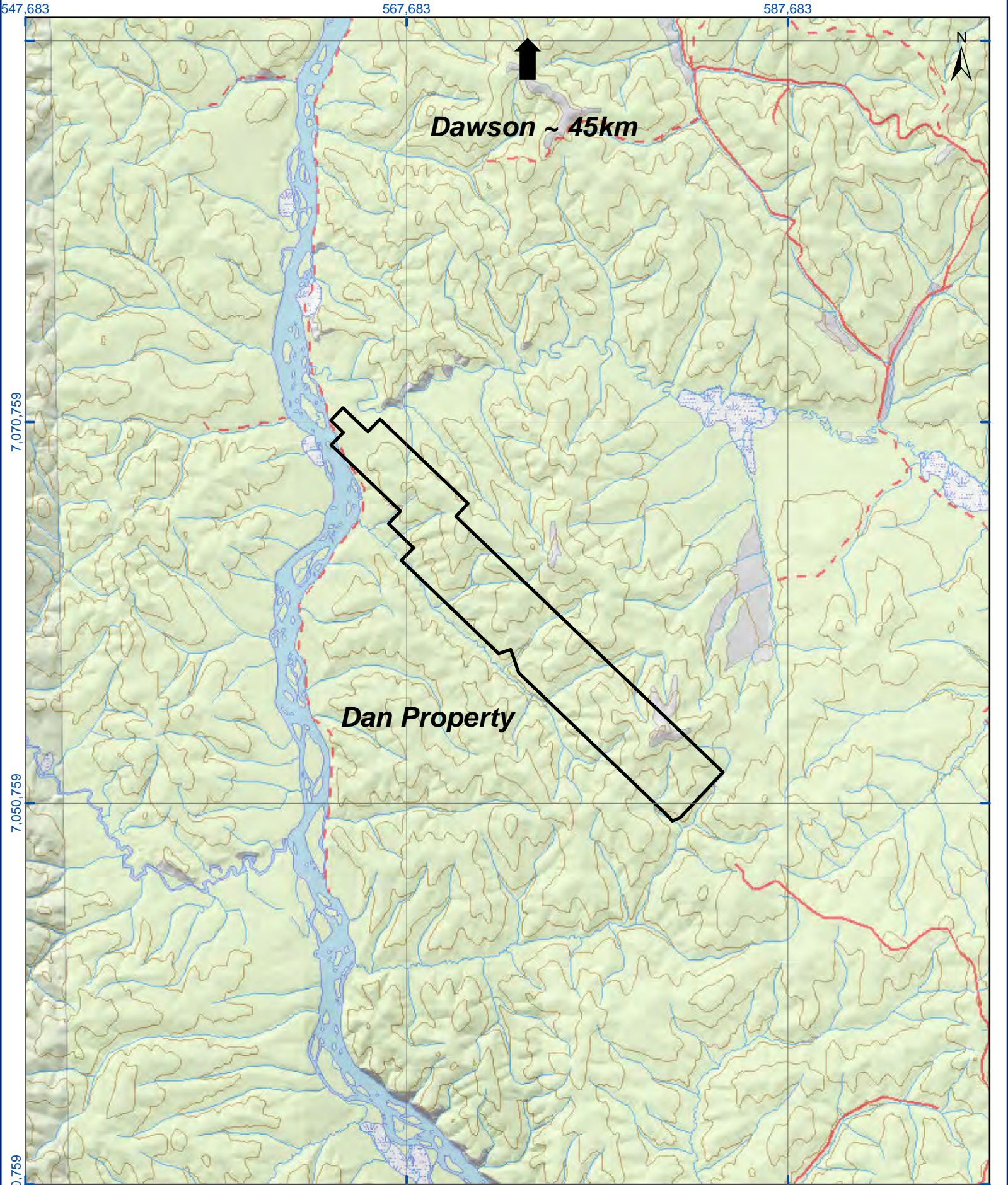
## 3. Location and Property Description

The Property covers an approximate area of 9,335 hectares within the Dawson Mining Division of Yukon. It is located on the northeast border of Reindeer Creek, a tributary of the Yukon River, some 45km south of Dawson City (Figure 1). The approximate centre of the Property is described by 63°39’00” North Latitude and 139°30’00” West Longitude on N.T.S. Sheets 115O11, 115O12 and 115O13. The Property includes 451 contiguous, un-surveyed mineral titles (Figure 2) more fully described in Table 1 below.

Table 1 - List of Claims

Claim Name No.	Tag No.	Expiry Date	#
Dan 1 to 21	YC96601 to YC96621	25-Mar-12	21
Dan 23 to 168	YC96623 to YC96768	25-Mar-12	146
Dan 169 to 368	YD43201 to YD43400	25-Mar-12	200
Dan 369 to 452	YD47683 to YD47766	25-Mar-12	84
			451





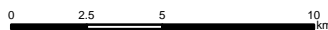
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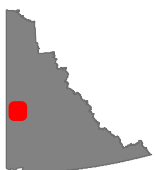
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**DAN PROPERTY**  
**Figure 1. GENERAL LOCATION**

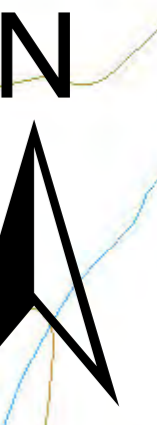
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World Geodetic System 1984  
Scale 1:250 000



Dan Property  
Figure 1. General Location  
Taku Gold Corp.  
NTS Sheet: 1150  
Date: November 8, 2011

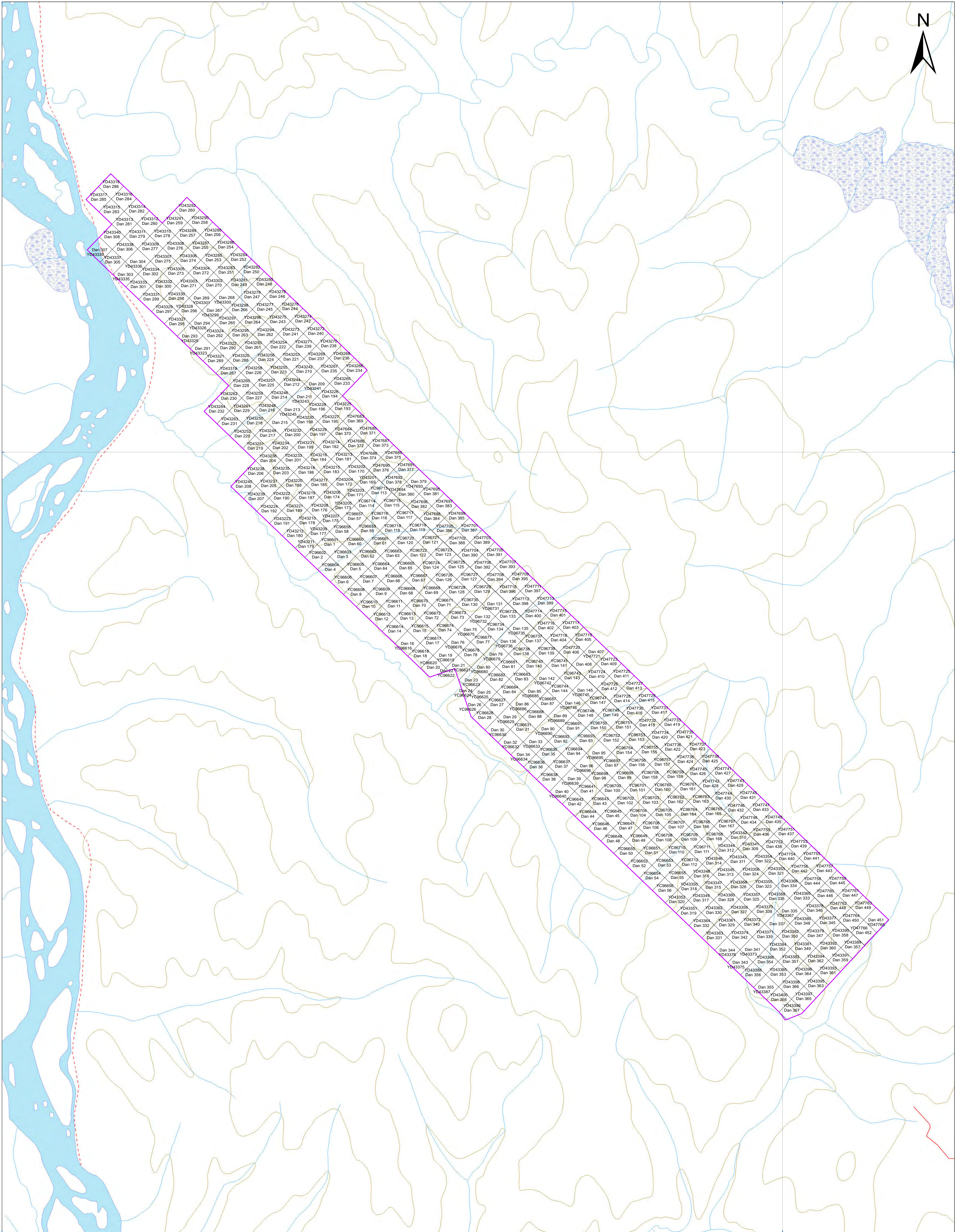






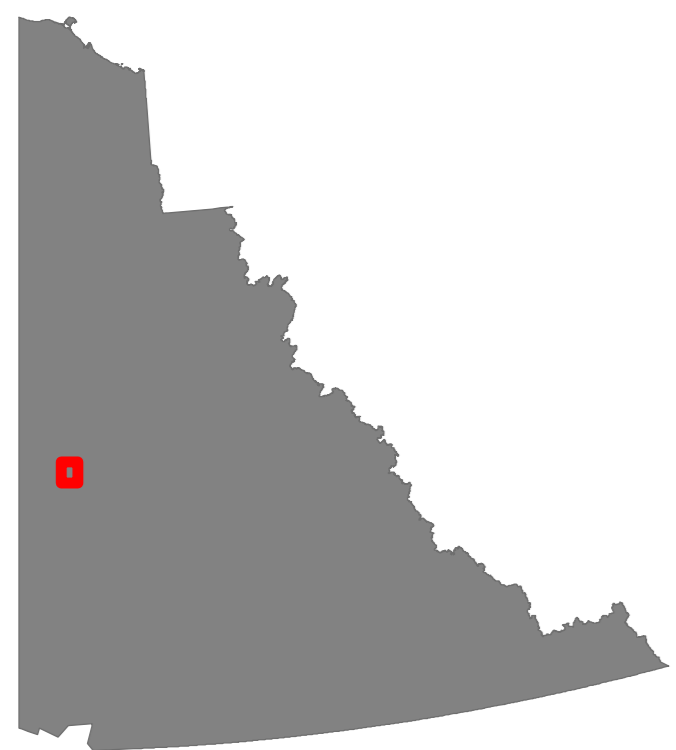
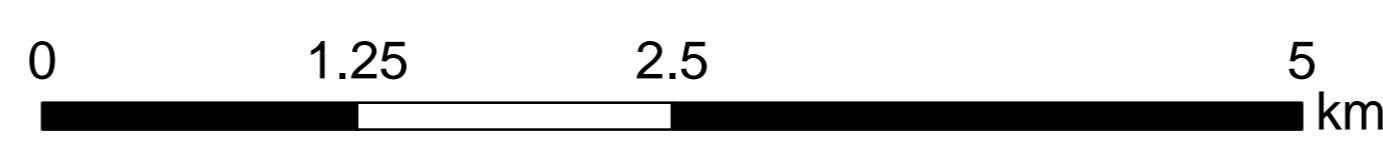
7,064,370

7,044,370



**DAN PROPERTY**  
**Figure 2. CLAIMS MAP**

Universal Transverse Mercator Zone 7  
 World Geodetic System 1984  
 Scale 1:30 000



Dan Property  
 Figure 2. Claims Map  
 Taku Gold Corp.  
 NTS Sheet: 1150/11-14  
 Date: October 21, 2011



On March 23, 2010 Taku entered into an agreement to acquire the Property from the recorded holder Shawn Ryan (the Vendor). Under the agreement Taku has the option to earn 100% interest for total consideration of two-hundred and fifty dollars (\$250,000) cash, one million (1,000,000) treasury shares and the completion of one million (\$1,000,000) in exploration expenditures on the Property over a four year period. The Vendor is entitled to a production royalty (the "Royalty") consisting of two per cent (2%) Net Smelter Return ("NSR") royalty on all smeltable minerals of metals extracted from the claims. Taku has the right to purchase one-half (or one per cent) of the Royalty for two million dollars (\$2,000,000) cash.

The mineral claims included in the Property were acquired under the Yukon Quartz Mining Act which grants only the hard rock mineral rights to the claim holder. The surface rights for the area of the Property are held by the Crown. To maintain the claims in good standing, a minimum of \$100 assessment work per claim must be completed annually. There are provisions to apply for more than one year work at a time up to a maximum of five years, to apply work from one claim to other adjoining claims (grouping) up to a maximum of 750 contiguous claims and to pay cash in lieu of work up to a maximum of five years. The Quartz Mining Land Use Regulations consist of a classification system based on varying levels of specific activities. These threshold levels categorize exploration activities into four classes of operation. Classes 1 through 4 represent activities with increasing potential to cause adverse environmental impacts.

Activities within a Class 1 program are defined as "grassroots" exploration with low potential to cause adverse environmental effects, and where activities and reclamation are completed within a year. A Class 1 program does not require government approval but the operator must comply with the certain operating conditions. An assessment under the Yukon Environmental and Socio Economic Assessment Act ("YESAA") is not required for a Class 1 program.

Class 2 programs are considered to represent the upper level of "grassroots" exploration activities. A notification submitted through the Mining Lands Office which outlines the activities and how they will be reclaimed is required. These programs comprise activities that have a moderate potential to cause adverse environmental effects and therefore require an assessment through YESAA. All work and reclamation must be completed within one year.

All Class 3 and Class 4 programs require submission of a detailed "Operating Plan" to the Mining Lands Office. A YESAA assessment is required. The Operating Plan must be approved before any exploration activities can be undertaken. Operating Plans may entail multi-year exploration programs to allow greater flexibility for the operator.

The work described in this Report was completed as a Class 1 Program.

#### **4. Accessibility, Local Resources, Infrastructure, Physiography and Climate**

Access to the Property is restricted due to a lack of usable roads on or adjacent to the Property. The primary means of access is by helicopter from Dawson City.

The Dan property is located in an isolated part of Yukon with relatively few local resources or infrastructure. The Property can be worked from Dawson City by helicopter or from an exploration camp set up on or near the Property. A camp can be supported from Dawson City, where services are limited, or from Whitehorse where a full range of services are available including line-cutting, geophysics, drilling, assaying, aircraft charters etc.

The Property borders the northeastern edge of Reindeer Creek in the Dawson Range of Yukon. Unlike most parts of Yukon, the Dawson Range was not affected by the last period of continental glaciations and so it is characterized by low rolling hills incised with steep sided, V-shaped valleys. Bedrock is typically deeply weathered and there is very little (perhaps less than 5%) outcrop exposed; usually on ridges above tree-line or in rare canyons in the creek valleys. Elevations on the Property range from 336m to 1,463m above sea level. Most of the Property lies below tree-line and is covered by a typical boreal mixture of pine, spruce, balsam fir, aspen and birch trees, and willow and alder brush. North and west slopes are often covered with thick moss blanketing permafrost.

The Dawson City area is characterized by a semi-arid, sub-arctic continental climate with mild to hot summers and cold winters. Precipitation is generally light in the summer and overall clear skies and warm temperatures prevail. Heavy morning fog can be a problem for aircraft especially towards the end of the summer season. Forest fires are common and thick smoke at times may impede exploration work. Maximum snow accumulations in the winter are typically less than one meter. Due to the northerly latitude of the region, summer days are long and winter days very short. The best season for exploration is during the summer months from mid-May to mid-October. Although it is possible to work during the winter months, costs rise exponentially due to cold temperatures, inclement weather and short daylight hours.

## 5. Exploration History

The following exploration history of the Property has been compiled from the Yukon Energy and Mines and Resources Library and Yukon Geological Survey MINFILE database. There has been limited exploration work on the Property. There are no assessment reports for any work done in and around the present Property.

There are a number of mineral showings documented within and adjacent to the area of the Property listed in Table 2 below:

**Table 2 - MINFILE Showings**

<b>MINFILE No.</b>	<b>MINEFILE Name</b>	<b>Link</b>
115O 047	Indian	<a href="#">115O 047</a>
115O 048	Bishop	<a href="#">115O 048</a>
115O 050	Rudolf	<a href="#">115O 050</a>
115O 109	Ruby	<a href="#">115O 109</a>
115O 124	Hobbs	<a href="#">115O 124</a>

The Indian showing is reported as a small body of serpentinite, which is thrust fault-bounded, and contains minor amounts of asbestos fibers (MINFILE No. 115O 047).

The Bishop showing is reported to be gold in quartz veins. In 1903 this showing was trenched and from 1912 to 1913 a 17m shaft was sunk (MINFILE No. 115O 048).

The Hobbs showing is found to be a limestone bluff. It has been mapped to have an extent of 90m long by 7.6m high (MINFILE No. 115O 124).

Taku Gold Corp. completed a surface exploration program on the Dan property in 2010. This program consisted of a 1090.7 line kilometer high resolution magnetic and radiometric airborne survey over the entire Property, and a 1,931-sample deep auger-type soil geochemical survey done over four grids. The soil samples were collected with hand augers at 50m sample intervals and 100m line spacings (Fekete and Dokic, 2011).

## 6. Geology

The Property lies within the Yukon-Tanana Terrane which, due to large areas with little or no bedrock exposure and limited modern regional or detailed mapping, remains very poorly understood. Generally it consists of several successions of layered sedimentary and volcanic rocks ranging from Late Proterozoic to Late Permian age that overlay the older Nisling Terrane. These complexly deformed layered rocks have been episodically intruded by various intrusive rocks in the Permian, Jurassic, Cretaceous and Tertiary periods. The intrusive events have been accompanied by volcanic activity especially in the Upper Jurassic to Lower Cretaceous. The Yukon-Tanana has been subjected to numerous prolonged deformational events including subduction and accretion that has led to significant structural thickening. Imbricated allochthonous terranes such as Slide Mountain Terrane are evidenced by altered ultramafic fragments.

The most recent regional mapping and compilation work in the Stewart River area (Ryan and Gordey, 2004) indicates that the Property lies along a thrust fault which strikes northwest to southeast (Figure 3). The southwest side of the thrust fault is thought to be underlain mainly by a Devonian Orthogneiss

(DMogg). This unit is generally pink to orange k-feldspar and is commonly banded or layered with biotite. The northeast side of the fault is thought to be underlain by the Nasina Assemblage (DMNq) which consists mainly of a dark grey to black carbonaceous quartzite. There is a Paleozoic Ultramafic-Gabbro (mPums) body mapped in the northern most extremity of the Property, which is dominantly serpentinite. In sections along the northeastern border the Nasina Assemblage (DMNq) is inferred to be a marble. Lastly in the middle of the Property is an inferred granitic intrusion (Figure 4).

## **7. Deposit Types**

The Property lies within an underexplored part of the loosely defined Tintina Gold Belt. This metallogical province has past production of 29.9 million ounces and 39.3 million ounces of resources for total gold resources of 69.2 million ounces. Notable gold deposits are Donlin Creek, Ft. Knox, Pogo and Brewery Creek. The underexplored nature of the Klondike-White Gold district was highlighted by Underworld's discovery of the Saddle and Arc zones in May 2009 on the White property located 55km south of Dan, and more recently by the Supremo discovery on Kaminak's Coffee property located approximately 85km south of Dan.

The Klondike-White Gold district lies within the larger Dawson Range area where a number of known gold and porphyry copper deposits show a wide range of styles, geological settings and geochemical associations. Taku's exploration effort at Dan is not adhering to any firm deposit model but is instead based on practical survey methods that generate drill targets and have led to discoveries by other groups working in the area.

Detailed deep auger-type soil geochemical surveys have proven to be effective in the area, as shown by prospector Shawn Ryan's success on the White and Coffee properties. The Dawson Range generally shows deeply weathered, oxidized soils in an un-glaciated environment. This simply means that in order to collect soils that best represent the underlying bedrock it is necessary to take relatively deep soil samples that are likely less weathered and less oxidized. Another useful exploration tool is to fly closely spaced, low altitude, helicopter-borne geophysical surveys to assist in interpreting bedrock units, structure, and alteration.

## **8. Mineralization**

Very little *in situ* mineralization has been identified on the Property to date due primarily to the lack of outcrop. A number of quartz veins and quartz breccias have been uncovered with or without disseminated sulphides.

## **9. 2011 Exploration Work**

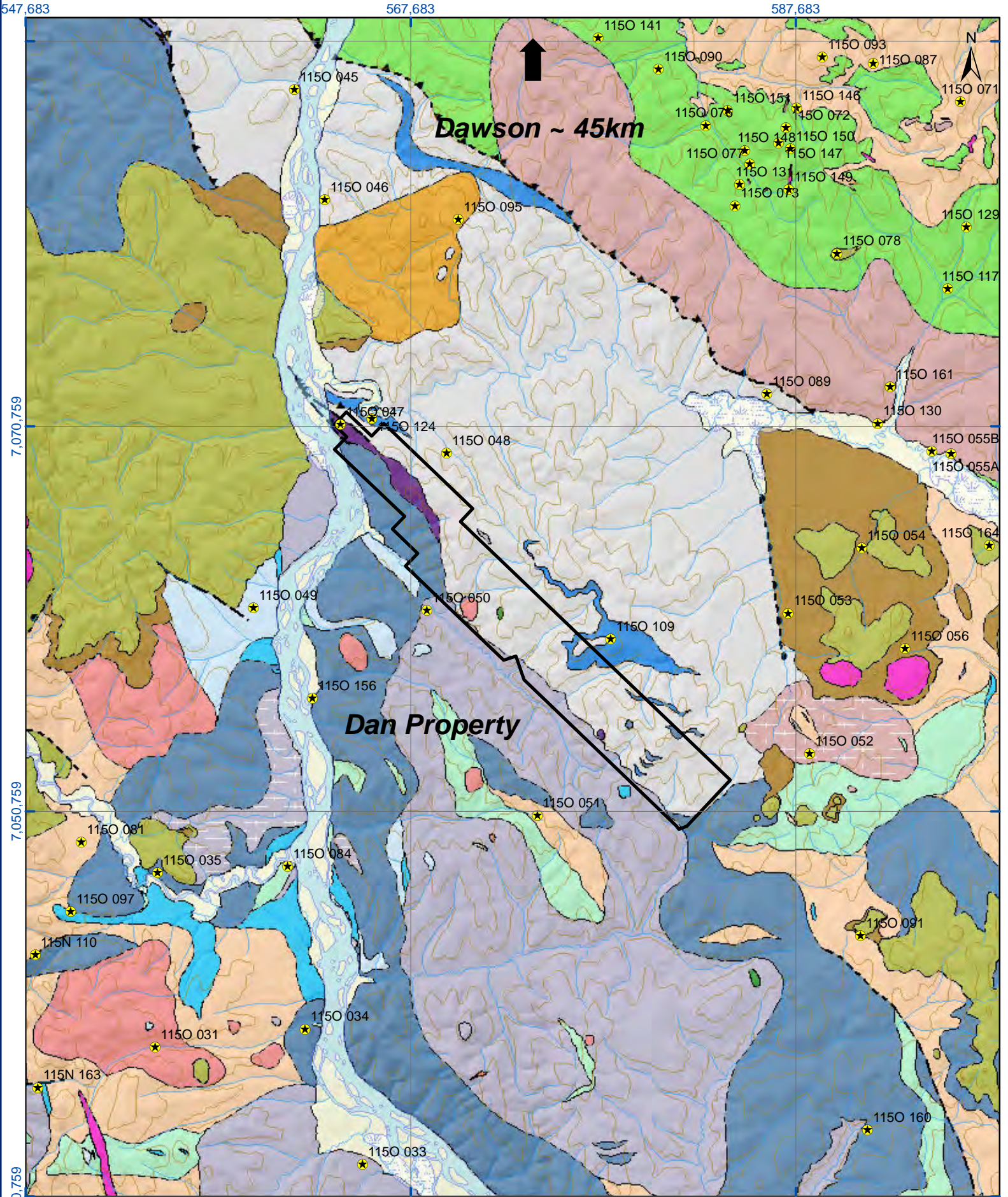
### **9.1. Introduction**

Exploration work in 2011 included a preliminary reconnaissance, deep auger-type soil geochemical survey which covered the entire Property along ridge and spur style traverses. Field work, supervised by the Senior Author, commenced on June 30, 2011 and was completed on July 6, 2011 and the analytical work was done from July 15, 2011 to August 7, 2011. A detailed Statement of Work is included herein as Appendix A. The Junior Author compiled the field data into digital maps and wrote this Report up to December 1, 2011.

### **9.2. Sampling and Analytical Procedures**

The work was done on foot by crews flown in by helicopter every day from Taku's camp on Dominion Creek located approximately 35km east of the Property. A total of 2,079 soil samples, including field duplicates, were collected at stations 50m apart along the ridges and spurs of the Property using predetermined GPS traverse lines. The traverses were selected to provide preliminary coverage over the entire Property in such a way that would indicate potential gold trends rather than spot anomalies.

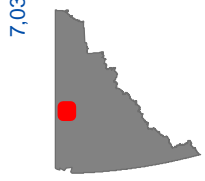
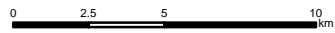




★ Mineral Occurrence

**DAN PROPERTY**  
**Figure 3. REGIONAL GEOLOGY**



Universal Transverse Mercator Zone 7  
 World Geodetic System 1984  
 Scale 1:250 000




Dan Property  
 Figure 3. Regional Geology  
 Taku Gold Corp.  
 NTS Sheet: 1150  
 Date: November 8, 2011



## QUATERNARY

	Qs Fluvial silt, sand and gravel
	Qb Basalt

## TERTIARY

	Ts Conglomerate, sandstone, shale
-----------------------------------------------------------------------------------	--------------------------------------


## DEVONIAN TO MISSISSIPPIAN?

	DME Earn group
-----------------------------------------------------------------------------------	-------------------

## TERTIARY EOCENE

	Er Porphyry
-----------------------------------------------------------------------------------	----------------

## CRETACEOUS UPPER CRETACEOUS

	uKcV Carmacks Group
-----------------------------------------------------------------------------------	------------------------

### MID?-CRETACEOUS

	Kg/Kgd Granite/Granodiorite
-----------------------------------------------------------------------------------	--------------------------------


### LOWER CRETACEOUS

	IKTcg Tantalus(?) Formation
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## JURASSIC EARLY JURASSIC

	EJgd Granodiorite
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## TRIASSIC LATE TRIASSIC

	LTrum Pyroxene Mountain Body
-------------------------------------------------------------------------------------	---------------------------------

## PALEOZOIC AND/OR MESOZOIC

	PMd Gabbro
-------------------------------------------------------------------------------------	---------------





## CARBONIFEROUS

	CD Dawson-Clinton Creek Assemblage
-------------------------------------------------------------------------------------	---------------------------------------

## MID(?) - TO LATE PALEOZOIC

	mPum/mPums Ultramafic-Gabbro
-------------------------------------------------------------------------------------	---------------------------------

## PERMIAN

	Pv Foliated volcanic
	PKs Klondike Schist
	Pg Jim Creek Pluton
	Pogg, Pogq/Poga Pogt Orthogneiss (Younger, 264-259 Ma)

## DEVONIAN TO MISSISSIPPIAN

	DMNq/DMNI Nasina Assemblage
	DMogg/DMoga DMogt Orthogneiss (Older, 363-343 Ma)
	DMogta Undivided DMogt (Orthogneiss (older)) and DMA (Amphibolite)
	DMA Amphibolite
	DMm Mafic schist
	DMc Marble
	DMps Quartz-Mica schist
	DMcg Metaconglomerate
	DMq Quartzite

## SYMBOLS

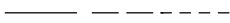

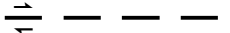
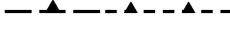
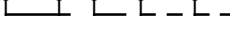

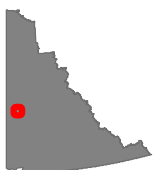
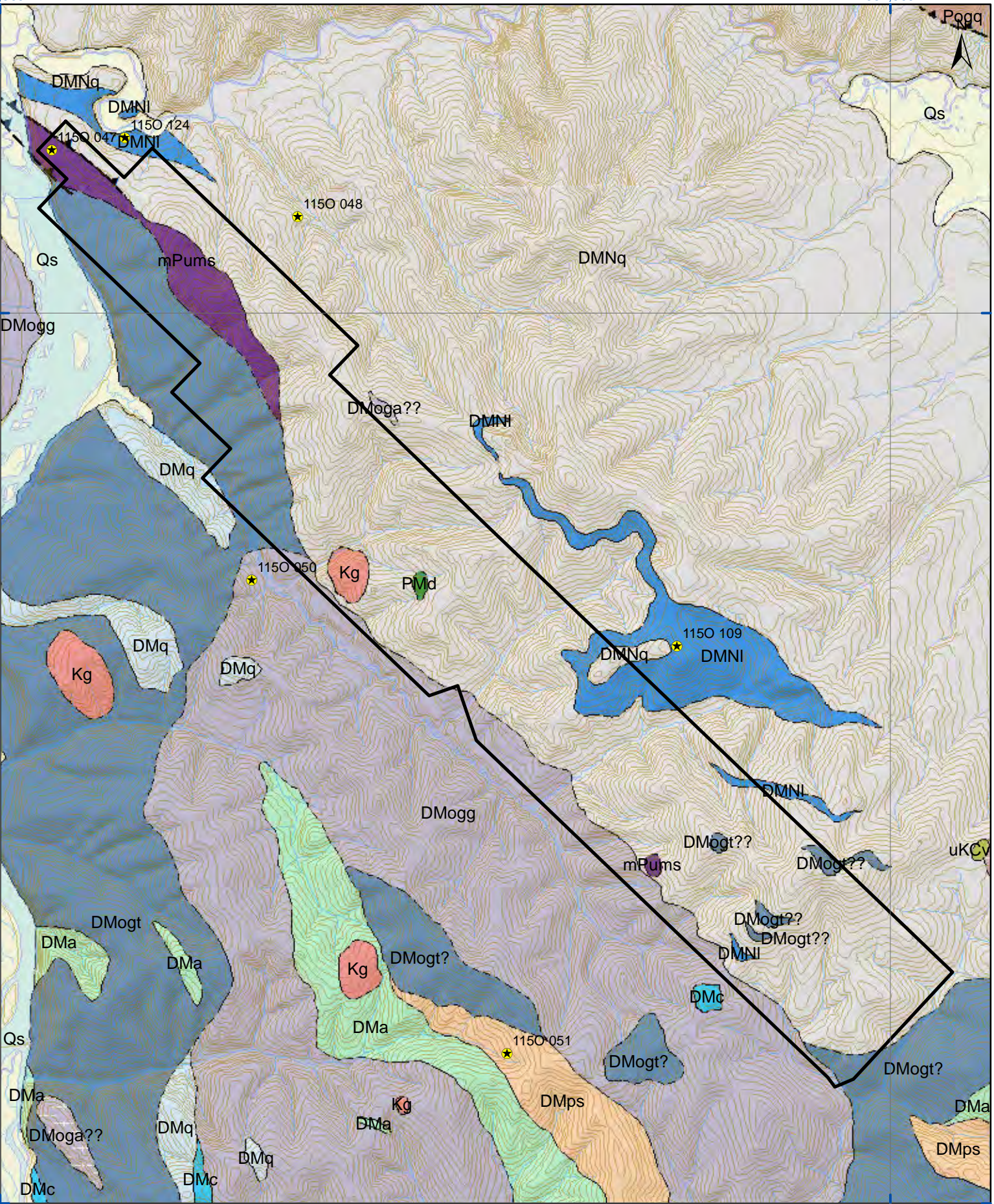
	Geological contact (defined, approximate, assumed)
	Fault, sense of movement uncertain (defined, approximate, assumed)
	Fault, transcurrent, dextral (approximate)
	Fault, thrust (teeth on upper plate) (defined, approximate, assumed)
	Fault, normal (teeth on upper plate) (defined, approximate, assumed)
	Fault, low-angle normal (teeth on upper plate) (approximate, assumed)

Figure 3 continued. Legend for Regional Geology

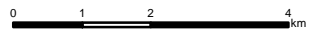




★ Mineral Occurrence

**DAN PROPERTY**  
**Figure 4. PROPERTY GEOLOGY**

Universal Transverse Mercator Zone 7  
 World Geodetic System 1984  
 Scale 1:110 000



Dan Property  
 Figure 4. Property Geology  
 Taku Gold Corp.  
 NTS Sheet: 1150/11-14  
 Date: November 8, 2011



Sample locations were tagged in the field and recorded with HP iPAQ 200 series field computers running GeoInfoMobile and Tierra Mapper software paired with Holux GPS receivers in map datum UTM WGS 84 Zone 7. Sample locations (Figure 5 and 6) and descriptions are included as Appendix B. A data CD is also included. Soil sample material varied from clay to sand with some humus samples. Sample depth varied from 10 to 110cm with an average depth of 57cm.

Soil samples were placed in Kraft-type paper bags with the appropriate sample numbers marked in indelible ink. Batches of samples were subsequently dried, sealed in rice bags and shipped to Acme Analytical Laboratories Ltd. (“Acme”) in Vancouver, B.C. for analysis. Samples were dried and sieved to - 80 mesh size and analyzed for 36 elements (including gold) by 15 gram Aqua Regia digestion, ICP-MS finish (Appendix C). Acme is accredited under ISO 9001.

### **9.3. Data Verification**

It is the Authors’ opinion that the sampling procedures, security measures, sample preparations and analytical methods applied to the soil and rock samples were diligently followed and are adequate to meet industry standards commonly accepted for this level of exploration. The Authors have relied upon the adequacy and accuracy of the analytical results provided by Acme. Independent verification of those results has not been undertaken. The Authors reconciled the field data with the analytical results and found no discrepancies.

### **9.4. Results**

The soil samples returned gold values ranging from below detection limit (i.e. <0.5ppb Au) to a maximum of 73.3ppb Au. Overall the results were weak and did not show any anomalous clusters. There were no gold-in-soil trends defined by the soil sampling (Figure 7).

## **10. Adjacent Properties**

No gold deposits are known to exist on the properties immediately adjacent to the Property. Significant gold mineralization has been reported approximately 55km south of Dan at Kinross’s White Gold deposit with a current resource estimation at the Golden Saddle zone of 1,004,570 indicated ounces at 3.2gpt Au and 407,413 inferred ounces at 2.5gpt Au; and at the Arc Zone of 170,470 inferred ounces at 1.2gpt Au (Underworld Press Release - January 19, 2010). Kaminak’s discovery hole of 15.5m over 17.1gpt Au at the Supremo zone (Kaminak Press Release - May 26, 2010) is located approximately 85km south of Dan.

The Authors have not verified the information made public on these adjacent properties and cautions that **any such information is not necessarily indicative of the mineralization on the Dan property.** However, this information does indicate that the White Gold district is an underexplored area that has solid potential for hosting significant gold deposits.

## **11. Mineral Processing and Metallurgical Testing**

To date no mineral processing or metallurgical testing has been completed at Dan.

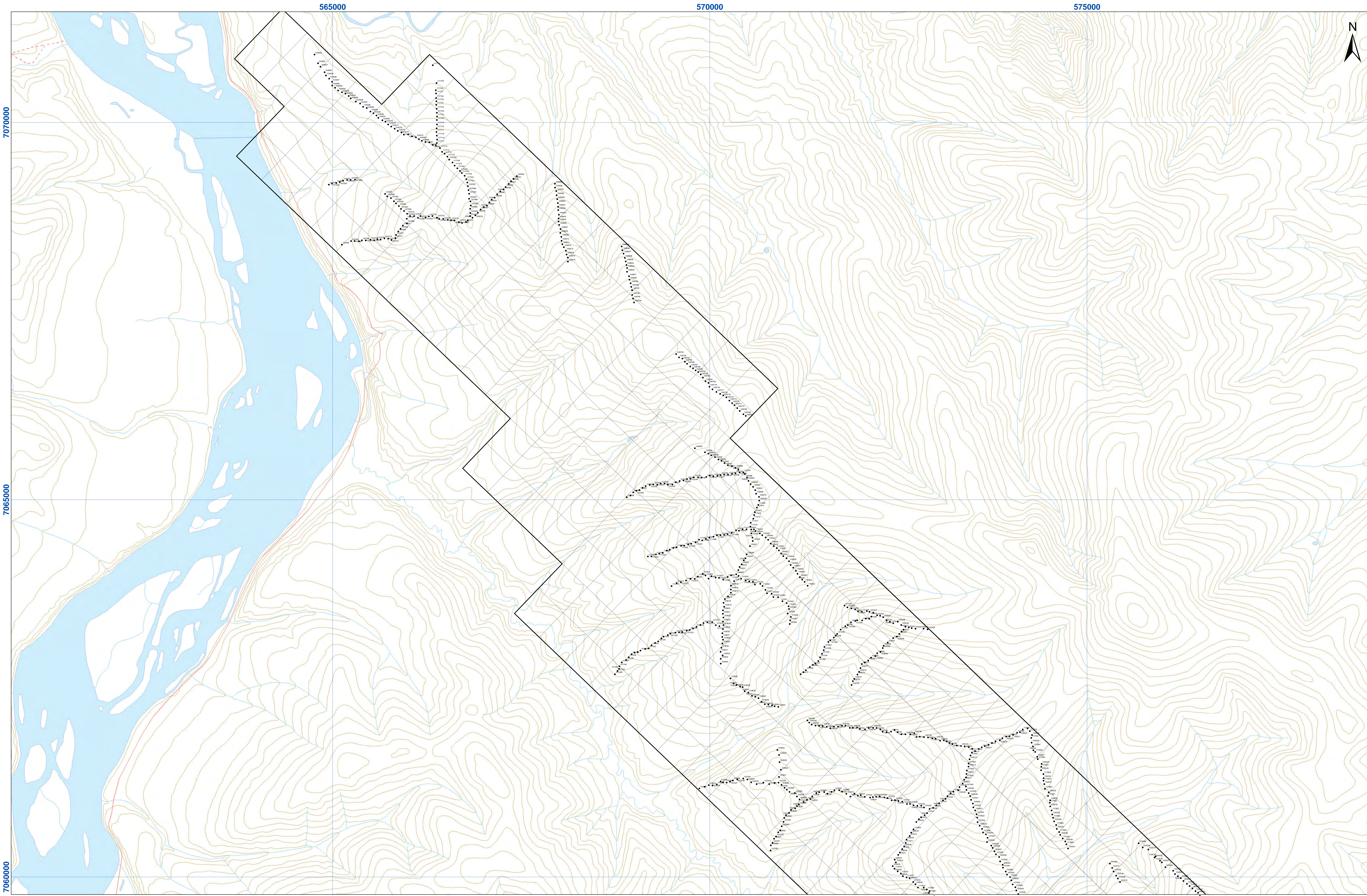
## **12. Mineral Resource and Mineral Reserve Estimates**

To date no mineral resource or mineral reserve estimates have been completed at Dan. The Property is at a “grassroots” level of exploration such that it is too early to make any resource or reserve estimates.

## **13. Other Relevant Data and Information**

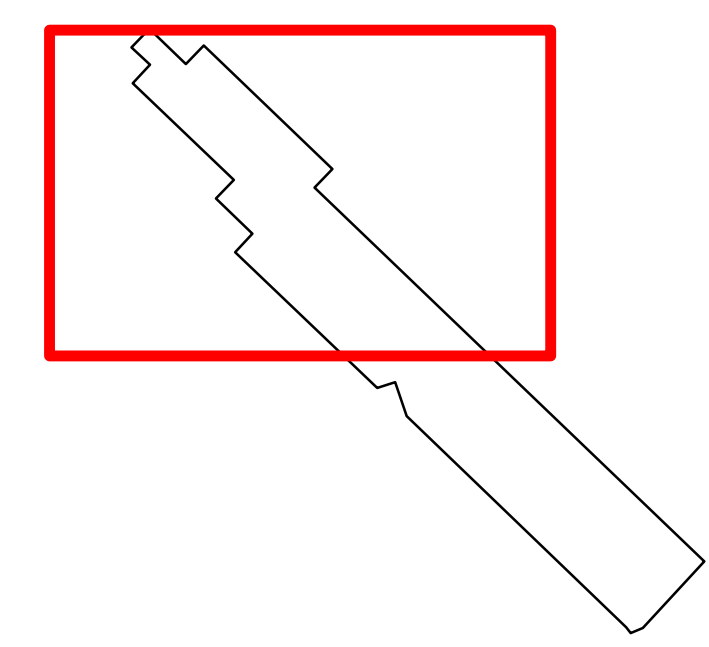
The Authors are not aware of any other relevant data and information or explanation to make this report more understandable and not misleading.



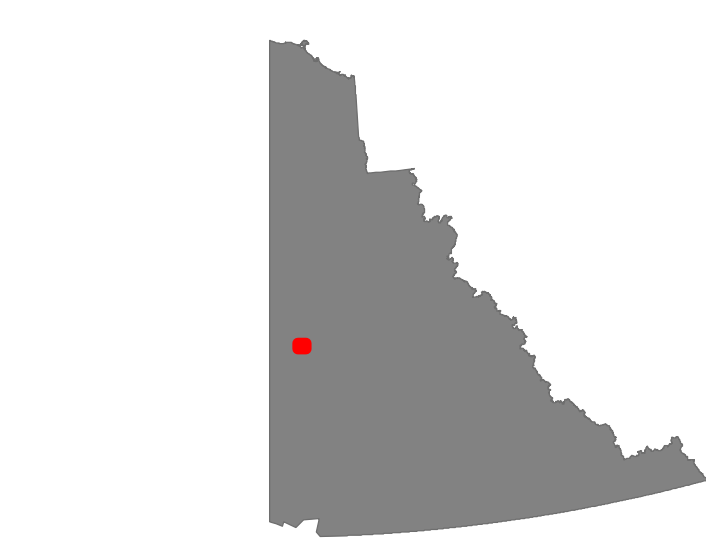


**DAN PROPERTY**  
**Figure 5. SAMPLE LOCATIONS I**

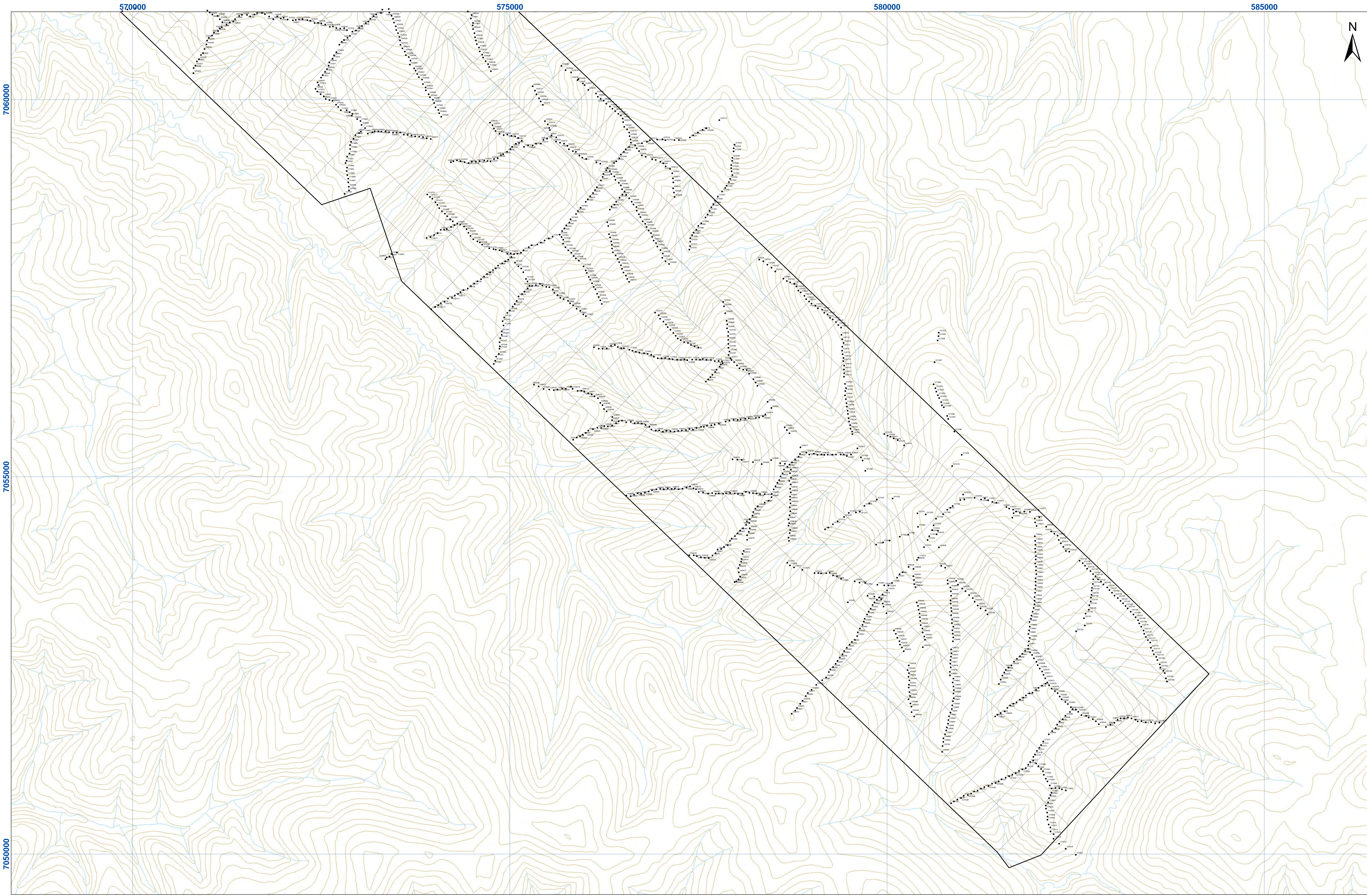
Universal Transverse Mercator Zone 7  
 World Geodetic System 1984  
 Scale 1:15 000



Dan Property  
 Figure 5. Sample Locations I  
 Taku Gold Corp.  
 NTS Sheet: 1150/11&12  
 Date: October 27, 2011

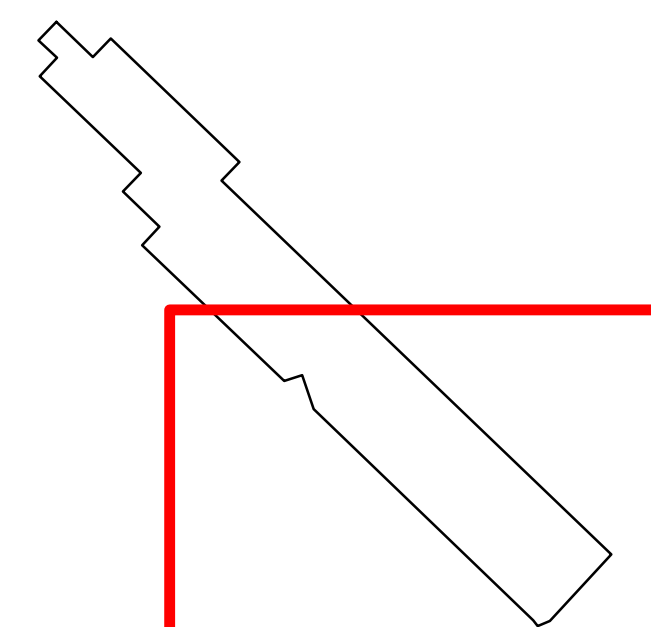
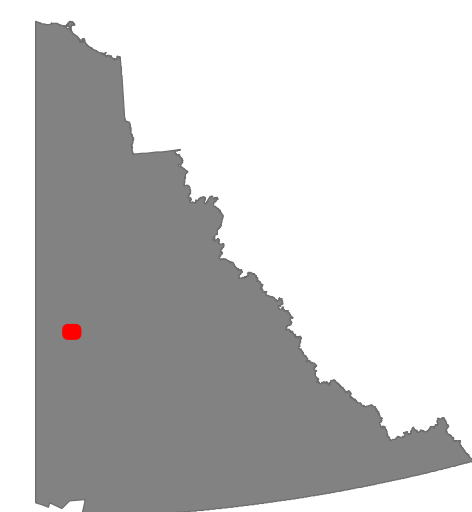
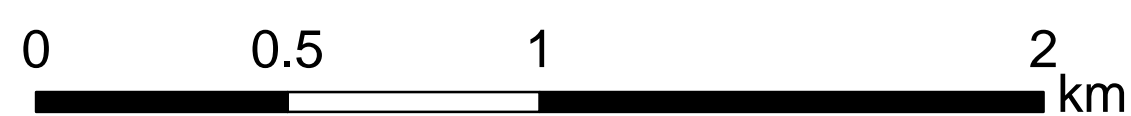






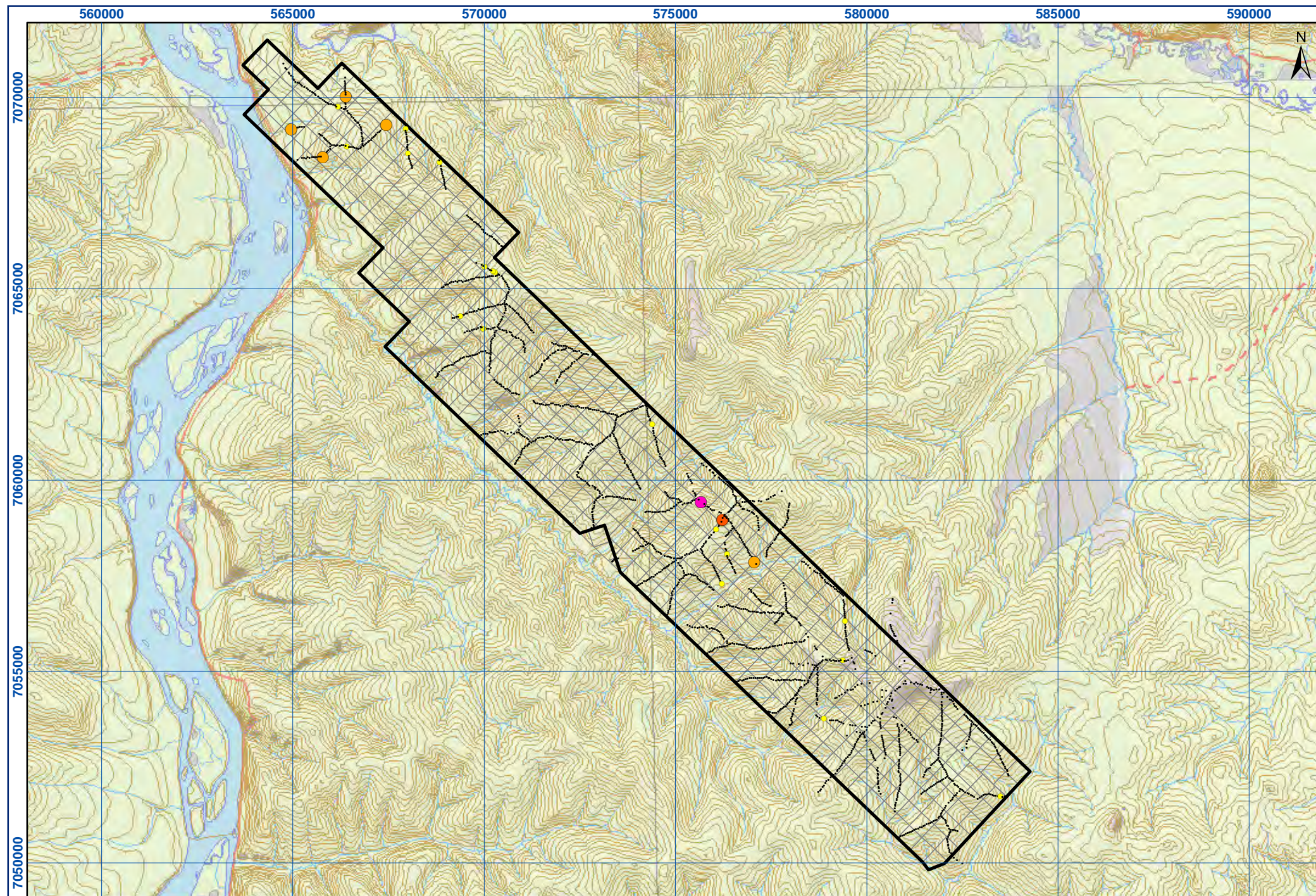
**DAN PROPERTY**  
**Figure 6. SAMPLE LOCATIONS II**

Universal Transverse Mercator Zone 7  
 World Geodetic System 1984  
 Scale 1:15 000



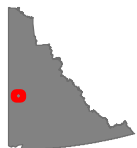
Dan Property  
 Figure 6. Sample Locations II  
 Taku Gold Corp.  
 NTS Sheet: 1150/11&12  
 Date: October 27, 2011





**Soil Au ppb**

- 0 - 10
- 10 - 20
- 20 - 30
- 30 - 60
- > 60



**DAN PROPERTY**  
**Figure 7. DETAILED GOLD ANOMOLY MAP**

Universal Transverse Mercator Zone 7  
 World Geodetic System 1984  
 Scale 1:125 000  
 0 1.25 2.5 5 km

Dan Property  
 Figure 7. Detailed Gold Anomaly Map  
 Taku Gold Corp.  
 NTS Sheet: 1150/11&12  
 Date: October 27, 2011



## **14. Interpretation of Results and Conclusions**

To date no significant gold-in-soil anomalies have been identified on the Property. The Reindeer Thrust Fault is the main structural gold target and it is clearly delineated by the airborne magnetic data (Fekete and Dokic, 2011). There is the possibility that the geometry of the fault is not amenable to exploration by soil sampling. Detailed prospecting and sampling along the fault may be a better approach and may lead to more favourable results.

## **15. Recommendations**

After two seasons of exploration work including an airborne geophysical survey and two soil geochemical surveys totaling 4,010 soil samples, no significant gold-in-soil anomalies have been defined and no suitable drill targets have been identified. Therefore no further work is justified and it is recommended that the Dan option be terminated.

## **16. References**

- Gordey, S.P. and Ryan, J.J. (2005): Geology, Stewart River Area (115 N, 115-O and part of 115 J), Yukon Territory; Geological Survey of Canada, Open File 4970, scale 1:250 000.
- Mortensen, J.K. (1996): Geological compilation maps of the northern Stewart River map area, Klondike and Sixtymile Districts (115N/15, 16; 115O/13, 14; and parts of 115O/15, 16); Exploration and Geological Services Division, Yukon region, Indian and Northern Affairs Canada, Open File 1996-1 (G).
- Fekete, M. and Dokic, N. (2011): Surface Work Performed from August 1, 2010 to December 10, 2010 on the Dan Property, Dawson Mining District, Yukon, NTS Sheets 115O11, 115O12, and 115O13, 63°39'N. Lat., 139°30'W. Long., (unpub.)

## **Appendix A - Certificate of Work Expenditures**



I, \_\_\_\_\_,  
TAKU GOLD CORP.  
\_\_\_\_\_ of \_\_\_\_\_  
680 Third Ave., Suite 203 Val d'Or, Quebec J9P 1S5  
Phone 819 874-8182  
\_\_\_\_\_ make oath and say that:

Office Date Stamp

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
2. I have done, or caused to be done, work, on the following mineral claim(s): (Here list claims on which work was actually done by number and name)

SEE ATTACHED LIST OF CLAIMS  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

situated at REINDEER CREEK \_\_\_\_\_ Claim sheet No. 115011, 115012, and 115013

in the DAWSON \_\_\_\_\_ Mining District, to the value of at least \$107,982.58 dollars,

since the 26th \_\_\_\_\_ day of March \_\_\_\_\_ 20 11 ,

to represent the following mineral claims under the authority of Grouping Certificate No. \_\_\_\_\_ .  
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

SEE ATTACHED LIST OF CLAIMS  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 56).

2,079 soil samples collected along ridge and spur traverses  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Sworn before me at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_ .

\_\_\_\_\_  
Notary Public Owner or Authorized Agent

Claim List for Cert of Work 2011 Dan

Type	Claim Information			Expiry Date	Work Done	Renewal		
	Grant No.	Name	No.		Soil Geochem Survey	Years	Annual Fee	Total
Quartz	YC96601	Dan	1	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96602	Dan	2	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96603	Dan	3	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96604	Dan	4	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96605	Dan	5	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96606	Dan	6	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96607	Dan	7	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96608	Dan	8	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96609	Dan	9	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96610	Dan	10	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96611	Dan	11	25-Mar-14		2	\$ 5.00	\$ 10.00
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Quartz	YC96613	Dan	13	25-Mar-14		2	\$ 5.00	\$ 10.00
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Quartz	YC96618	Dan	18	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96619	Dan	19	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
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Quartz	YC96624	Dan	24	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96625	Dan	25	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96626	Dan	26	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
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Quartz	YC96629	Dan	29	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96630	Dan	30	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96631	Dan	31	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96632	Dan	32	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96633	Dan	33	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96634	Dan	34	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96635	Dan	35	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96636	Dan	36	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96637	Dan	37	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96638	Dan	38	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96639	Dan	39	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96640	Dan	40	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96641	Dan	41	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96642	Dan	42	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96643	Dan	43	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
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Quartz	YC96653	Dan	53	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96654	Dan	54	25-Mar-14		2	\$ 5.00	\$ 10.00

Claim List for Cert of Work 2011 Dan

Type	Claim Information			Expiry Date	Work Done	Renewal		
	Grant No.	Name	No.		Soil Geochem Survey	Years	Annual Fee	Total
Quartz	YC96601	Dan	1	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96655	Dan	55	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96656	Dan	56	25-Mar-14		2	\$ 5.00	\$ 10.00
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Quartz	YC96659	Dan	59	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96660	Dan	60	25-Mar-14		2	\$ 5.00	\$ 10.00
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Quartz	YC96662	Dan	62	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96663	Dan	63	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
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Quartz	YC96666	Dan	66	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96667	Dan	67	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
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Quartz	YC96705	Dan	105	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96706	Dan	106	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96707	Dan	107	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00

Claim List for Cert of Work 2011 Dan

Type	Claim Information			Expiry Date	Work Done	Renewal		
	Grant No.	Name	No.		Soil Geochem Survey	Years	Annual Fee	Total
Quartz	YC96601	Dan	1	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96708	Dan	108	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96709	Dan	109	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96710	Dan	110	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96711	Dan	111	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96712	Dan	112	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96713	Dan	113	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96714	Dan	114	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96715	Dan	115	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96716	Dan	116	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96717	Dan	117	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96718	Dan	118	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96719	Dan	119	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96720	Dan	120	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96721	Dan	121	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96722	Dan	122	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96723	Dan	123	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96724	Dan	124	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96725	Dan	125	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96726	Dan	126	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96727	Dan	127	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96728	Dan	128	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96729	Dan	129	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96730	Dan	130	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96731	Dan	131	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96732	Dan	132	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96733	Dan	133	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96734	Dan	134	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96735	Dan	135	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96736	Dan	136	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96737	Dan	137	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96738	Dan	138	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96739	Dan	139	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96740	Dan	140	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96741	Dan	141	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96742	Dan	142	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96743	Dan	143	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96744	Dan	144	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96745	Dan	145	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96746	Dan	146	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96747	Dan	147	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96748	Dan	148	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96749	Dan	149	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96750	Dan	150	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96751	Dan	151	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96752	Dan	152	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96753	Dan	153	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96754	Dan	154	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96755	Dan	155	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96756	Dan	156	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96757	Dan	157	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96758	Dan	158	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96759	Dan	159	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96760	Dan	160	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00

Claim List for Cert of Work 2011 Dan

Type	Claim Information			Expiry Date	Work Done	Renewal		
	Grant No.	Name	No.		Soil Geochem Survey	Years	Annual Fee	Total
Quartz	YC96601	Dan	1	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96761	Dan	161	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YC96762	Dan	162	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96763	Dan	163	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96764	Dan	164	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96765	Dan	165	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96766	Dan	166	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96767	Dan	167	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YC96768	Dan	168	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43201	Dan	169	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43202	Dan	170	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43203	Dan	171	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43204	Dan	172	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43205	Dan	173	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43206	Dan	174	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43207	Dan	175	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43208	Dan	176	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43209	Dan	177	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43210	Dan	178	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43211	Dan	179	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43212	Dan	180	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43213	Dan	181	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43214	Dan	182	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43215	Dan	183	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43216	Dan	184	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43217	Dan	185	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43218	Dan	186	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43219	Dan	187	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43220	Dan	188	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43221	Dan	189	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43222	Dan	190	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43223	Dan	191	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43224	Dan	192	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43225	Dan	193	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43226	Dan	194	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43227	Dan	195	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43228	Dan	196	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43229	Dan	197	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43230	Dan	198	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43231	Dan	199	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43232	Dan	200	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43233	Dan	201	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43234	Dan	202	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43235	Dan	203	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43236	Dan	204	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43237	Dan	205	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43238	Dan	206	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43239	Dan	207	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43240	Dan	208	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43241	Dan	209	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43242	Dan	210	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43243	Dan	211	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43244	Dan	212	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43245	Dan	213	25-Mar-14		2	\$ 5.00	\$ 10.00

Claim List for Cert of Work 2011 Dan

Type	Claim Information			Expiry Date	Work Done	Renewal		
	Grant No.	Name	No.		Soil Geochem Survey	Years	Annual Fee	Total
Quartz	YC96601	Dan	1	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43246	Dan	214	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43247	Dan	215	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43248	Dan	216	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43249	Dan	217	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43250	Dan	218	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43251	Dan	219	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43252	Dan	220	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43253	Dan	221	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43254	Dan	222	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43255	Dan	223	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43256	Dan	224	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43257	Dan	225	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43258	Dan	226	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43259	Dan	227	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43260	Dan	228	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43261	Dan	229	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43262	Dan	230	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43263	Dan	231	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43264	Dan	232	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43265	Dan	233	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43266	Dan	234	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43267	Dan	235	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43268	Dan	236	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43269	Dan	237	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43270	Dan	238	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43271	Dan	239	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43272	Dan	240	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43273	Dan	241	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43274	Dan	242	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43275	Dan	243	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43276	Dan	244	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43277	Dan	245	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43278	Dan	246	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43279	Dan	247	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43280	Dan	248	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43281	Dan	249	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43282	Dan	250	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43283	Dan	251	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43284	Dan	252	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43285	Dan	253	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43286	Dan	254	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43287	Dan	255	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43288	Dan	256	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43289	Dan	257	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43290	Dan	258	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43291	Dan	259	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43292	Dan	260	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43293	Dan	261	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43294	Dan	262	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43295	Dan	263	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43296	Dan	264	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43297	Dan	265	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43298	Dan	266	25-Mar-14		2	\$ 5.00	\$ 10.00

Claim List for Cert of Work 2011 Dan

Type	Claim Information			Expiry Date	Work Done	Renewal		
	Grant No.	Name	No.		Soil Geochem Survey	Years	Annual Fee	Total
Quartz	YC96601	Dan	1	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43299	Dan	267	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43300	Dan	268	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43301	Dan	269	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43302	Dan	270	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43303	Dan	271	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43304	Dan	272	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43305	Dan	273	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43306	Dan	274	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43307	Dan	275	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43308	Dan	276	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43309	Dan	277	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43310	Dan	278	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43311	Dan	279	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43312	Dan	280	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43313	Dan	281	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43314	Dan	282	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43315	Dan	283	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43316	Dan	284	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43317	Dan	285	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43318	Dan	286	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43319	Dan	287	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43320	Dan	288	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43321	Dan	289	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43322	Dan	290	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43323	Dan	291	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43324	Dan	292	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43325	Dan	293	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43326	Dan	294	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43327	Dan	295	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43328	Dan	296	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43329	Dan	297	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43330	Dan	298	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43331	Dan	299	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43332	Dan	300	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43333	Dan	301	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43334	Dan	302	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43335	Dan	303	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43336	Dan	304	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43337	Dan	305	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43338	Dan	306	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43339	Dan	307	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43340	Dan	308	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43341	Dan	309	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43342	Dan	310	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43343	Dan	311	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43344	Dan	312	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43345	Dan	313	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43346	Dan	314	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43347	Dan	315	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43348	Dan	316	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43349	Dan	317	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43350	Dan	318	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43351	Dan	319	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00

Claim List for Cert of Work 2011 Dan

Type	Claim Information			Expiry Date	Work Done	Renewal		
	Grant No.	Name	No.		Soil Geochem Survey	Years	Annual Fee	Total
Quartz	YC96601	Dan	1	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43352	Dan	320	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43353	Dan	321	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43354	Dan	322	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43355	Dan	323	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43356	Dan	324	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43357	Dan	325	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43358	Dan	326	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43359	Dan	327	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43360	Dan	328	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43361	Dan	329	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43362	Dan	330	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43363	Dan	331	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43364	Dan	332	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43365	Dan	333	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43366	Dan	334	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43367	Dan	335	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43368	Dan	336	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43369	Dan	337	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43370	Dan	338	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43371	Dan	339	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43372	Dan	340	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43373	Dan	341	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43374	Dan	342	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43375	Dan	343	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43376	Dan	344	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43377	Dan	345	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43378	Dan	346	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43379	Dan	347	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43380	Dan	348	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43381	Dan	349	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43382	Dan	350	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43383	Dan	351	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43384	Dan	352	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43385	Dan	353	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43386	Dan	354	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43387	Dan	355	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43388	Dan	356	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43389	Dan	357	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43390	Dan	358	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43391	Dan	359	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43392	Dan	360	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43393	Dan	361	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43394	Dan	362	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43395	Dan	363	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43396	Dan	364	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43397	Dan	365	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD43398	Dan	366	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43399	Dan	367	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD43400	Dan	368	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47683	Dan	369	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47684	Dan	370	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47685	Dan	371	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47686	Dan	372	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00



Claim List for Cert of Work 2011 Dan

Type	Claim Information			Expiry Date	Work Done	Renewal		
	Grant No.	Name	No.		Soil Geochem Survey	Years	Annual Fee	Total
Quartz	YC96601	Dan	1	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47687	Dan	373	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47688	Dan	374	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47689	Dan	375	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47690	Dan	376	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47691	Dan	377	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47692	Dan	378	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47693	Dan	379	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47694	Dan	380	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47695	Dan	381	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47696	Dan	382	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47697	Dan	383	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47698	Dan	384	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47699	Dan	385	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47700	Dan	386	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47701	Dan	387	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47702	Dan	388	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47703	Dan	389	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47704	Dan	390	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47705	Dan	391	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47706	Dan	392	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47707	Dan	393	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47708	Dan	394	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47709	Dan	395	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47710	Dan	396	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47711	Dan	397	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47712	Dan	398	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47713	Dan	399	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47714	Dan	400	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47715	Dan	401	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47716	Dan	402	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47717	Dan	403	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47718	Dan	404	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47719	Dan	405	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47720	Dan	406	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47721	Dan	407	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47722	Dan	408	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47723	Dan	409	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47724	Dan	410	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47725	Dan	411	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47726	Dan	412	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47727	Dan	413	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47728	Dan	414	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47729	Dan	415	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47730	Dan	416	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47731	Dan	417	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47732	Dan	418	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47733	Dan	419	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47734	Dan	420	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47735	Dan	421	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47736	Dan	422	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47737	Dan	423	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00
Quartz	YD47738	Dan	424	25-Mar-14		2	\$ 5.00	\$ 10.00
Quartz	YD47739	Dan	425	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00

Claim List for Cert of Work 2011 Dan

Type	Claim Information			Expiry Date	Work Done	Renewal			
	Grant No.	Name	No.		Soil Geochem Survey	Years	Annual Fee	Total	
Quartz	YC96601	Dan	1	25-Mar-14		2	\$ 5.00	\$ 10.00	
Quartz	YD47740	Dan	426	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47741	Dan	427	25-Mar-14		2	\$ 5.00	\$ 10.00	
Quartz	YD47742	Dan	428	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47743	Dan	429	25-Mar-14		2	\$ 5.00	\$ 10.00	
Quartz	YD47744	Dan	430	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47745	Dan	431	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47746	Dan	432	25-Mar-14		2	\$ 5.00	\$ 10.00	
Quartz	YD47747	Dan	433	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47748	Dan	434	25-Mar-14		2	\$ 5.00	\$ 10.00	
Quartz	YD47749	Dan	435	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47750	Dan	436	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47751	Dan	437	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47752	Dan	438	25-Mar-14		2	\$ 5.00	\$ 10.00	
Quartz	YD47753	Dan	439	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47754	Dan	440	25-Mar-14		2	\$ 5.00	\$ 10.00	
Quartz	YD47755	Dan	441	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47756	Dan	442	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47757	Dan	443	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47758	Dan	444	25-Mar-14		2	\$ 5.00	\$ 10.00	
Quartz	YD47759	Dan	445	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47760	Dan	446	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47761	Dan	447	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47762	Dan	448	25-Mar-14		2	\$ 5.00	\$ 10.00	
Quartz	YD47763	Dan	449	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47764	Dan	450	25-Mar-14		2	\$ 5.00	\$ 10.00	
Quartz	YD47765	Dan	451	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
Quartz	YD47766	Dan	452	25-Mar-14	\$ 395.54	2	\$ 5.00	\$ 10.00	
				Column Total	\$ 107,982.58	904		\$ 4,520.00	
				Total Costs	\$ 107,982.58				
				Check	\$ (0.00)				
				Claims with Work	273				
				Total Claims	451				
				Calculate Renewal	\$ 90,400.00				
				Excess (Short)	\$ 17,582.58				
				<b>PLEASE RENEW TO MARCH 25, 2016</b>					

## Geochem2011\_Taku\_Dan

Supplier	Invoice	Date	Geochem							Total
			Wages & Contract	F&L	Supplies	Transport	Rentals	Assays	Other	Total
Name	Ref No.	Date	5150	5151	5152	5153	5154	5156	5157	Total
1984 Enterprises	2010-1012	16-May-11	1927.36							1,927.36
1984 Enterprises	2010-1027	23-May-11	911.67							911.67
1984 Enterprises	2010-1045	30-May-11	894.05							894.05
1984 Enterprises	2010-1069	6-Jun-11	865.49							865.49
1984 Enterprises	2010-1092	13-Jun-11	991.88							991.88
1984 Enterprises	2010-1112	20-Jun-11	1006.46							1,006.46
1984 Enterprises	2010-1143	27-Jun-11	905.55							905.55
1984 Enterprises	2010-1174	4-Jul-11	1037.97							1,037.97
1984 Enterprises	2010-1177	14-Jul-11	1559.74							1,559.74
Acklands Grainger	6081 0372470	25-Jul-11			27.95					27.95
Acme	VANI090559	8-Aug-11						2,701.80		2,701.80
Acme	VANI090583	8-Aug-11						5,437.80		5,437.80
Acme	VANI090585	8-Aug-11						5,437.80		5,437.80
Acme	VANI090562	8-Aug-11						5,454.90		5,454.90
Acme	VANI090584	8-Aug-11						5,472.00		5,472.00
Acme	VANI090805	9-Aug-11						5,472.00		5,472.00
Acme	VANI090931	10-Aug-11						5,454.90		5,454.90
AFD	IN016797	31-May-11				10.96				10.96
AFD	IN016635	31-May-11				94.40				94.40
AFD	IN20510	16-Jul-11				15.30				15.30
AFD	IN020509	16-Jul-11				88.97				88.97
AFD	YT18327-2861	22-Jul-11				516.69				516.69
AFD	IN21563	31-Jul-11				3.73				3.73
AFD	IN21562	31-Jul-11				190.20				190.20
AFD	YT2087-4735	2-Aug-11				200.19				200.19
AFD	IN022782	15-Aug-11			84.67					84.67
AFD	YT21913-4357	23-Aug-11			583.45					583.45
AFD	IN024164	31-Aug-11				22.01				22.01
AFD	IN024163	31-Aug-11				309.02				309.02
Arctic Inland	2082246	10-Aug-11			1.47					1.47
Arctic Inland	2082889	31-Aug-11			15.48					15.48
Arctic Inland	Stmt 09/01/11	1-Sep-11			17.79					17.79
Bonanza Market	Stmt 16/09/2011	16-Sep-11		86.54						86.54
Bonanza Gold Motel	2011-040	17-May-11		238.79						238.79
Bonanza Gold Motel	2011-048	27-May-11		183.68						183.68
Bonanza Gold Motel	2011058	12-Jun-11		128.58						128.58
Bonanza Gold Motel	2011081	1-Jul-11		183.68						183.68
Bonanza Gold Motel	2011-094	27-Jul-11		183.68						183.68
Bonanza Market	14140	1-Jun-11		149.39						149.39
Bonanza Market	14160	1-Jun-11		800.27						800.27
Bonanza Market	14208	2-Jun-11		17.98						17.98
Bonanza Market	14240	3-Jun-11		3.05						3.05

## Geochem2011\_Taku\_Dan

Supplier	Invoice	Date	Geochem							Total
			Wages & Contract	F&L	Supplies	Transport	Rentals	Assays	Other	Total
Name	Ref No.	Date	5150	5151	5152	5153	5154	5156	5157	Total
Bonanza Market	14284	4-Jun-11		47.88						47.88
Bonanza Market	14340	5-Jun-11		39.52						39.52
Bonanza Market	14501	9-Jun-11		906.26						906.26
Bonanza Market	14532	10-Jun-11		2.26						2.26
Bonanza Market	14517	10-Jun-11		6.72						6.72
Bonanza Market	14693	10-Jun-11		15.08						15.08
Bonanza Market	16/06/2011	16-Jun-11		2058.66						2,058.66
Bonanza Market	01/07/2011	1-Jul-11		1084.72						1,084.72
Bonanza Market	Stmt 19-Jul-11	19-Jul-11		1037.41						1,037.41
Bonanza Market	Stmt 01/08/2011	1-Aug-11		1,086.94						1,086.94
Bonanza Market	Stmt 16/08/2011	16-Aug-11		634.74						634.74
Bonanza Market	Stmt 01/09/2011	1-Sep-11		897.53						897.53
Breakaway	698	20-Sep-11					54.82			54.82
Breakaway	698	20-Sep-11			515.05					515.05
Breakaway	698	20-Sep-11		1,335.75						1,335.75
Breakaway	698	20-Sep-11				3,791.12				3,791.12
Breakaway	698	20-Sep-11	5689.24							5,689.24
Dawson Hardware	31/05/2011	31-May-11			565.33					565.33
Dawson Hardware	Stmt 31/07/2011	31-Jul-11			106.68					106.68
Dawson Hardware	Stmt 31/08/2011	31-Aug-11			194.49					194.49
EIS	0000119840	8-Aug-11					318.38			318.38
Greg Davison		30-May-11		393.11	230.19	1,310.77			54.88	1,988.95
Greg Davison		30-Jun-11		40.44	117.13	2,902.22			36.74	3,096.53
Heli Dynamics	11887	24-Aug-11				944.68				944.68
Heli Dynamics	11897	31-Aug-11				408.51				408.51
Heli-Dynamics	11027	22-Jun-11				1890.00				1,890.00
Heli-Dynamics	11037	30-Jun-11				2700.00				2,700.00
Heli-Dynamics	11038	1-Jul-11				4995.00				4,995.00
Heli-Dynamics	11039	2-Jul-11				3645.00				3,645.00
Heli-Dynamics	11040	3-Jul-11				3645.00				3,645.00
Heli-Dynamics	11041	4-Jul-11				3240.00				3,240.00
Heli-Dynamics	11042	5-Jul-11				4725.00				4,725.00
Heli-Dynamics	11043	6-Jul-11				540.00				540.00
Heli-Dynamics	Fuel-1000	6-Jul-11				2041.02				2,041.02
Kluane Freight Lines	155087	8-Jul-11				4.08				4.08
Kluane Freight Lines	156242	28-Jul-11				16.57				16.57
NIS	S014895	16-May-11			28.33					28.33
NIS	S015400	17-May-11			14.83					14.83
NIS	S016186	18-May-11			18.61					18.61
NIS	SC00631	21-May-11			-1.45					-1.45
NIS	S017428	21-May-11			24.99					24.99
NIS	S018030	24-May-11			1.10					1.10

## Geochem2011\_Taku\_Dan

Supplier	Invoice	Date	Geochem							Total
			Wages & Contract	F&L	Supplies	Transport	Rentals	Assays	Other	Total
Name	Ref No.	Date	5150	5151	5152	5153	5154	5156	5157	Total
NIS	S018037	24-May-11			14.66					14.66
NIS	S018782	26-May-11			4.93					4.93
NIS	S020437	30-May-11			169.56					169.56
NIS	S022356	2-Jun-11			18.05					18.05
NIS	S023163	3-Jun-11			76.42					76.42
NIS	S027339	14-Jun-11			1.99					1.99
NIS	SC00850	29-Jul-11			-65.86					-65.86
NIS	S046586	29-Jul-11			32.26					32.26
NIS	S046586	29-Jul-11			32.26					32.26
NIS	S047506	2-Aug-11			0.80					0.80
NIS	S047506	2-Aug-11			0.80					0.80
NIS	S048765	4-Aug-11			2.84					2.84
NIS	SC01903	6-Aug-11			(2.84)					-2.84
NIS	S049659	6-Aug-11			3.33					3.33
NIS	S058394	26-Aug-11			2.44					2.44
Pacesetter Petroleum	2011053110X	31-May-11				284.95				284.95
Pacesetter Petroleum	2011061401	14-Jun-11				1893.39				1,893.39
Pacesetter Petroleum	2011062107C	21-Jun-11				(14.69)				-14.69
Pacesetter Petroleum	11070802C	8-Jul-11				(226.54)				-226.54
Peacock Sales	IN74803	7-Jul-11			22.16					22.16
Peacock Sales	IN075301	29-Aug-11			27.55					27.55
Small's Exp.	K6982	31-Jul-11					9.18			9.18
Small's Exp.	K6945	31-Jul-11	36.74							36.74
Small's Exp.	K6964	31-Jul-11	51.43							51.43
Small's Exp.	K7045	1-Aug-11					42.86			42.86
Small's Exp.	K7276	24-Aug-11					75.93			75.93
Super Save Propane	1216423A	13-May-11		31.89						31.89
Super Save Propane	1216423	13-May-11		311.70						311.70
Super Save Propane	1216424	13-May-11		335.61						335.61
Super Save Propane	13130	14-May-11		418.54						418.54
Super Save Propane	1217296	26-Jul-11			250.09					250.09
Total North	11-1713	29-Aug-11					52.66			52.66
Xplornet	I-5212677	1-Aug-11					21.43			21.43
Xplornet	I-5212679	1-Aug-11					21.43			21.43
<b>XX Total XX</b>			<b>15,877.57</b>	<b>12,660.40</b>	<b>3,137.55</b>	<b>40,187.54</b>	<b>596.69</b>	<b>35,431.20</b>	<b>91.62</b>	<b>107,982.58</b>

**Appendix B - Sample Locations and Descriptions**

**Volume II**

**2011 Surface Work**

**On the**

**Dan Property**

**Dan 1 to 21 (YC96601 to YC96621)**  
**Dan 23 to 168 (YC99623 to YC96768)**  
**Dan 169 to 368 (YD43201 to YD43400)**  
**Dan 369 to 452 (YD47683 to YD47766)**

**Dawson Mining District, Yukon**  
**NTS Sheets 115O11, 115O12, and 115O13**  
**63°39'N. Lat., 139°30'W. Long.**

**Operated by**



**By**  
**Mark Fekete, P.Geo.**  
**and**  
**Neda Dokic, B.Sc., GIT**  
**December 1, 2011**

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
101194	30/06/2011	ShawnTaylor	580970	7054694	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
101195	30/06/2011	ShawnTaylor	580870	7054615	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
101196	30/06/2011	ShawnTaylor	580840	7054589	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
101197	30/06/2011	ShawnTaylor	580797	7054564	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
101198	30/06/2011	ShawnTaylor	580742	7054504	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
101199	30/06/2011	ShawnTaylor	580649	7054445	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	80	Wet	Good	BurnOld
101200	30/06/2011	ShawnTaylor	580512	7054503	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	80	Frozen	Poor	BurnOld
101201	30/06/2011	ShawnTaylor	580403	7054517	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	90	Wet	Poor	BurnOld
101202	30/06/2011	ShawnTaylor	580073	7054713	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Good	BurnOld
101204	01/07/2011	ShawnTaylor	579653	7055259	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Poor	BurnOld
101205	01/07/2011	ShawnTaylor	579676	7055216	UTMZ7N WGS84	Colluvium	Blue	Sand	Moderate	C	70		Good	BurnOld
101206	01/07/2011	ShawnTaylor	579711	7055080	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	30		Good	ForestBlackSpruce
101207	01/07/2011	ShawnTaylor	579864	7054699	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Good	ForestBlackSpruce
101208	01/07/2011	ShawnTaylor	579763	7054650	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	40		Excellent	ForestBlackSpruce
101209	01/07/2011	ShawnTaylor	579700	7054615	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	40		Good	ForestBlackSpruce
101210	01/07/2011	ShawnTaylor	579639	7054538	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	70		Excellent	ForestWhiteSpruce
101211	01/07/2011	ShawnTaylor	579587	7054528	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	70		Excellent	ForestWhiteSpruce
101212	01/07/2011	ShawnTaylor	579492	7054522	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	70		Excellent	ForestWhiteSpruce
101213	01/07/2011	ShawnTaylor	579430	7054468	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	70		Excellent	ForestWhiteSpruce
101214	01/07/2011	ShawnTaylor	579344	7054411	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	70		Excellent	ForestWhiteSpruce
101215	01/07/2011	ShawnTaylor	579282	7054372	UTMZ7N WGS84	Colluvium	Black	Silt	Moderate	C	70		Good	ForestWhiteSpruce
101216	01/07/2011	ShawnTaylor	579220	7054329	UTMZ7N WGS84	Colluvium	Black		Moderate	B	40	Frozen	Good	ForestBlackSpruce
101217	01/07/2011	ShawnTaylor	579178	7054304	UTMZ7N WGS84	Colluvium	Grey		Moderate	C	50	Frozen	Good	ForestBlackSpruce
101218	02/07/2011	ShawnTaylor	575290	7058070	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	C	60		Good	ForestBlackSpruce
101219	02/07/2011	ShawnTaylor	575250	7058045	UTMZ7N WGS84	Lithosoil	Grey	Silt	Moderate	C	60		Good	ForestBlackSpruce
101220	02/07/2011	ShawnTaylor	575181	7058004	UTMZ7N WGS84	Lithosoil	Grey	Silt	Moderate	C	60		Good	ForestBlackSpruce
101221	02/07/2011	ShawnTaylor	575147	7057971	UTMZ7N WGS84	Lithosoil	Grey	Silt	Moderate	C	70		Excellent	ForestBlackSpruce
101222	02/07/2011	ShawnTaylor	575100	7057958	UTMZ7N WGS84	Lithosoil	Grey	Silt	Moderate	C	70		Excellent	ForestBlackSpruce
101223	02/07/2011	ShawnTaylor	575057	7057954	UTMZ7N WGS84	Lithosoil	Grey	Silt	Moderate	C	70		Excellent	ForestBlackSpruce
101224	02/07/2011	ShawnTaylor	575068	7057839	UTMZ7N WGS84	Lithosoil	Grey	Silt	Moderate	C	70		Excellent	ForestBlackSpruce
101225	02/07/2011	ShawnTaylor	575112	7057789	UTMZ7N WGS84	Lithosoil	BrownDark	Silt	Moderate	C	70		Excellent	ForestBlackSpruce
101226	02/07/2011	ShawnTaylor	575151	7057762	UTMZ7N WGS84	Lithosoil	BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
101227	02/07/2011	ShawnTaylor	575177	7057712	UTMZ7N WGS84	Lithosoil	BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
101228	02/07/2011	ShawnTaylor	575214	7057625	UTMZ7N WGS84	Lithosoil	BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
101229	02/07/2011	ShawnTaylor	575234	7057590	UTMZ7N WGS84	Lithosoil	BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
101230	02/07/2011	ShawnTaylor	575260	7057533	UTMZ7N WGS84	Lithosoil	BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
101231	02/07/2011	ShawnTaylor	575236	7057499	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
101232	02/07/2011	ShawnTaylor	575194	7057457	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	ForestWhiteSpruce
101233	02/07/2011	ShawnTaylor	575162	7057424	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	ForestWhiteSpruce
101234	02/07/2011	ShawnTaylor	575116	7057392	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	ForestWhiteSpruce
101235	02/07/2011	ShawnTaylor	575092	7057332	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	ForestWhiteSpruce
101236	02/07/2011	ShawnTaylor	575065	7057291	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	C	70		Excellent	ForestWhiteSpruce
101237	02/07/2011	ShawnTaylor	575038	7057257	UTMZ7N WGS84	Colluvium	Black		Moderate	B	30	Frozen	Poor	ForestWhiteSpruce
101238	02/07/2011	ShawnTaylor	574999	7057208	UTMZ7N WGS84	Colluvium	Black		Moderate	B	40	Frozen	Good	ForestWhiteSpruce
101239	02/07/2011	ShawnTaylor	574967	7057174	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
101241	02/07/2011	ShawnTaylor	574925	7057113	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	90		Excellent	BurnOld
101242	02/07/2011	ShawnTaylor	574904	7057063	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
101243	02/07/2011	ShawnTaylor	574917	7057006	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
101244	02/07/2011	ShawnTaylor	574893	7056928	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Excellent	BurnOld
101245	02/07/2011	ShawnTaylor	574892	7056883	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
101246	02/07/2011	ShawnTaylor	574873	7056837	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
101247	02/07/2011	ShawnTaylor	574864	7056783	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	70		Excellent	BurnOld
101248	02/07/2011	ShawnTaylor	574867	7056730	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Excellent	BurnOld
101249	02/07/2011	ShawnTaylor	574863	7056698	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
101250	02/07/2011	ShawnTaylor	574853	7056630	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
101251	02/07/2011	ShawnTaylor	574819	7056593	UTMZ7N WGS84	Colluvium	Green	Silt	Steep	B	90		Poor	ForestBlackSpruce
101252	02/07/2011	ShawnTaylor	574806	7056538	UTMZ7N WGS84	Colluvium	Green	Silt	Moderate	B	50		Poor	ForestBirch
101253	02/07/2011	ShawnTaylor	574788	7056497	UTMZ7N WGS84	Colluvium	Green	Silt	Moderate	B	80		Poor	ForestBirch
101254	03/07/2011	ShawnTaylor	574727	7058029	UTMZ7N WGS84	Colluvium	Black		Moderate	C	50		Good	ForestBirch
101255	03/07/2011	ShawnTaylor	574632	7058078	UTMZ7N WGS84	Colluvium	Orange		Moderate	C	70		Excellent	ForestBirch
101256	03/07/2011	ShawnTaylor	574602	7058106	UTMZ7N WGS84	Colluvium	Green		Moderate	B	80		Good	ForestBirch

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
101257	03/07/2011	ShawnTaylor	574569	7058122	UTMZ7N WGS84	Colluvium	Black		Moderate	B	30	Frozen	Poor	ForestBirch
101258	03/07/2011	ShawnTaylor	574515	7058148	UTMZ7N WGS84	Colluvium	Black		Moderate	B	30	Frozen	Poor	ForestBlackSpruce
101259	03/07/2011	ShawnTaylor	574478	7058194	UTMZ7N WGS84	Colluvium	Black		Steep	B	30	Frozen	Poor	ForestBlackSpruce
101260	03/07/2011	ShawnTaylor	574450	7058234	UTMZ7N WGS84	Colluvium	Black		Steep	B	30	Frozen	Poor	ForestBlackSpruce
101261	03/07/2011	ShawnTaylor	574426	7058285	UTMZ7N WGS84	Colluvium	Black	Gravel	Moderate	B	30		Good	DrainageBrush
101262	03/07/2011	ShawnTaylor	574392	7058317	UTMZ7N WGS84	Colluvium	RustyOrange	Gravel	Moderate	C	30		Good	DrainageBrush
101263	03/07/2011	ShawnTaylor	574342	7058343	UTMZ7N WGS84	Colluvium	RustyOrange	Gravel	Moderate	C	30		Good	DrainageBrush
101264	03/07/2011	ShawnTaylor	574244	7058388	UTMZ7N WGS84	Colluvium	RustyOrange	Gravel	Moderate	C	40		Excellent	ForestAspen
101265	03/07/2011	ShawnTaylor	574208	7058414	UTMZ7N WGS84	Colluvium	RustyOrange	Gravel	Moderate	C	40		Excellent	ForestAspen
101266	03/07/2011	ShawnTaylor	574170	7058455	UTMZ7N WGS84	Colluvium	RustyOrange	Gravel	Moderate	C	40		Excellent	ForestAspen
101267	03/07/2011	ShawnTaylor	574139	7058488	UTMZ7N WGS84	Colluvium	RustyOrange		Moderate	C	100		Excellent	ForestAspen
101268	03/07/2011	ShawnTaylor	574099	7058520	UTMZ7N WGS84	Colluvium	RustyOrange		Moderate	B	50		Good	ForestAspen
101269	03/07/2011	ShawnTaylor	574063	7058562	UTMZ7N WGS84	Colluvium	RustyOrange	Silt	Moderate	B	50		Poor	ForestAspen
101270	03/07/2011	ShawnTaylor	574040	7058606	UTMZ7N WGS84	Colluvium	Black	Silt	Moderate	B	40		Good	ForestBirch
101271	03/07/2011	ShawnTaylor	574014	7058640	UTMZ7N WGS84	Colluvium	BrownLight	Gravel	Moderate	B	30		Poor	ForestBirch
101272	03/07/2011	ShawnTaylor	573974	7058686	UTMZ7N WGS84	Colluvium	BrownLight	Gravel	Moderate	B	40		Good	ForestBirch
101273	03/07/2011	ShawnTaylor	573940	7058712	UTMZ7N WGS84	Colluvium	Black	Gravel	Moderate	B	20		Poor	ForestBirch
101274	03/07/2011	ShawnTaylor	573905	7058743	UTMZ7N WGS84	Colluvium	RustyOrange	Gravel	Moderate	C	60		Good	ForestBlackSpruce
101275	03/07/2011	ShawnTaylor	574784	7058019	UTMZ7N WGS84	Colluvium	Black		Moderate	B	30	Frozen	Poor	ForestBlackSpruce
101276	04/07/2011	ShawnTaylor	572166	7063502	UTMZ7N WGS84	Colluvium	Black		Moderate	B	30	Frozen	Poor	ForestBlackSpruce
101277	04/07/2011	ShawnTaylor	572118	7063513	UTMZ7N WGS84	Colluvium	Black		Moderate	B	30	Frozen	Poor	ForestBlackSpruce
101278	04/07/2011	ShawnTaylor	572082	7063523	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Flat	C	70		Excellent	ForestBirch
101279	04/07/2011	ShawnTaylor	572015	7063514	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Flat	C	40		Excellent	ForestBirch
101280	04/07/2011	ShawnTaylor	571965	7063520	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	40		Excellent	ForestBirch
101281	04/07/2011	ShawnTaylor	571926	7063546	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	40		Excellent	ForestBirch
101282	04/07/2011	ShawnTaylor	571876	7063561	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	50		Excellent	ForestBirch
101283	04/07/2011	ShawnTaylor	571824	7063573	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Excellent	ForestBirch
101284	04/07/2011	ShawnTaylor	571785	7063597	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	ForestBirch
101285	04/07/2011	ShawnTaylor	572143	7063450	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	40	Frozen	Poor	ForestWhiteSpruce
101286	04/07/2011	ShawnTaylor	572113	7063424	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	40	Frozen	Good	ForestWhiteSpruce
101287	04/07/2011	ShawnTaylor	572068	7063425	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestBirch
101288	04/07/2011	ShawnTaylor	572021	7063402	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	40		Good	ForestWhiteSpruce
101289	04/07/2011	ShawnTaylor	571954	7063403	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestAspen
101291	04/07/2011	ShawnTaylor	571928	7063394	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	70		Excellent	ForestAspen
101292	04/07/2011	ShawnTaylor	571870	7063375	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Excellent	ForestAspen
101293	04/07/2011	ShawnTaylor	571830	7063337	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	60		Excellent	ForestAspen
101294	04/07/2011	ShawnTaylor	571796	7063324	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	40		Excellent	ForestAspen
101295	04/07/2011	ShawnTaylor	571733	7063279	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Excellent	ForestAspen
101296	04/07/2011	ShawnTaylor	571689	7063223	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	C	70		Excellent	ForestAspen
101297	04/07/2011	ShawnTaylor	571669	7063200	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	ForestAspen
101298	04/07/2011	ShawnTaylor	571644	7063173	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	110		Excellent	ForestAspen
101299	04/07/2011	ShawnTaylor	571596	7063135	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	80		Excellent	ForestBlackSpruce
101300	04/07/2011	ShawnTaylor	571571	7063116	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Excellent	ForestBirch
101301	04/07/2011	ShawnTaylor	571520	7063050	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestAspen
101302	04/07/2011	ShawnTaylor	571510	7063007	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	ForestAspen
101303	04/07/2011	ShawnTaylor	571487	7062958	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	ForestAspen
101304	04/07/2011	ShawnTaylor	571462	7062911	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestAspen
101305	04/07/2011	ShawnTaylor	571437	7062860	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestBirch
101306	04/07/2011	ShawnTaylor	571399	7062828	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	40	Frozen	Poor	ForestBirch
101307	04/07/2011	ShawnTaylor	571367	7062811	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	40		Good	ForestBirch
101308	04/07/2011	ShawnTaylor	571327	7062782	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestBlackSpruce
101309	04/07/2011	ShawnTaylor	571275	7062742	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	30		Excellent	ForestBlackSpruce
101310	04/07/2011	ShawnTaylor	571244	7062715	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestBlackSpruce
101311	04/07/2011	ShawnTaylor	571204	7062687	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestBlackSpruce
101312	05/07/2011	ShawnTaylor	570127	7063323	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Excellent	ForestBlackSpruce
101313	05/07/2011	ShawnTaylor	570080	7063338	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestBlackSpruce
101314	05/07/2011	ShawnTaylor	570032	7063381	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestBlackSpruce
101315	05/07/2011	ShawnTaylor	569967	7063377	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestBlackSpruce
101316	05/07/2011	ShawnTaylor	569916	7063365	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	90		Excellent	ForestBirch
101317	05/07/2011	ShawnTaylor	569875	7063339	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestBirch



Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
101318	05/07/2011	ShawnTaylor	569822	7063315	UTMZ7N WGS84	Colluvium	Black	Sand	Moderate	C	50		Excellent	ForestBirch
101319	05/07/2011	ShawnTaylor	569778	7063293	UTMZ7N WGS84	Colluvium	Black	Gravel	Moderate	B	40		Good	ForestBirch
101320	05/07/2011	ShawnTaylor	569735	7063275	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Excellent	ForestWhiteSpruce
101321	05/07/2011	ShawnTaylor	569693	7063265	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestWhiteSpruce
101322	05/07/2011	ShawnTaylor	569634	7063246	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestBlackSpruce
101323	05/07/2011	ShawnTaylor	569592	7063242	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50	Wet	Excellent	ForestBlackSpruce
101324	05/07/2011	ShawnTaylor	569545	7063238	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestBlackSpruce
101325	05/07/2011	ShawnTaylor	569477	7063223	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	60		Excellent	ForestBlackSpruce
101326	05/07/2011	ShawnTaylor	569444	7063208	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	70		Excellent	ForestBlackSpruce
101327	05/07/2011	ShawnTaylor	569387	7063185	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	70		Excellent	ForestBlackSpruce
101328	05/07/2011	ShawnTaylor	569358	7063163	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	60		Excellent	ForestBlackSpruce
101329	05/07/2011	ShawnTaylor	569316	7063121	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	60		Excellent	ForestBlackSpruce
101330	05/07/2011	ShawnTaylor	569277	7063101	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestBirch
101331	05/07/2011	ShawnTaylor	569229	7063071	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	70		Excellent	ForestBirch
101332	05/07/2011	ShawnTaylor	569199	7063030	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	70		Excellent	ForestBlackSpruce
101333	05/07/2011	ShawnTaylor	569143	7063022	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	50		Excellent	ForestBlackSpruce
101334	05/07/2011	ShawnTaylor	569081	7063000	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	60		Excellent	ForestAspen
101335	05/07/2011	ShawnTaylor	569044	7062982	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestAspen
101336	05/07/2011	ShawnTaylor	569002	7062972	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestAspen
101337	05/07/2011	ShawnTaylor	568966	7062953	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestAspen
101338	05/07/2011	ShawnTaylor	568926	7062914	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestAspen
101339	05/07/2011	ShawnTaylor	568891	7062874	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestAspen
101341	05/07/2011	ShawnTaylor	568833	7062843	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestAspen
101342	05/07/2011	ShawnTaylor	568802	7062793	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestAspen
101343	05/07/2011	ShawnTaylor	568798	7062759	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestAspen
101344	05/07/2011	ShawnTaylor	568777	7062730	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestAspen
101345	05/07/2011	ShawnTaylor	568743	7062687	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestAspen
102245	30/06/2011	JBHebsgaard	580675	7054286	UTMZ7N WGS84	Colluvium	Black		Moderate	B	40	Frozen	Poor	ForestBlackSpruce
102246	30/06/2011	JBHebsgaard	580717	7053821	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestBlackSpruce
102247	30/06/2011	JBHebsgaard	580771	7053796	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	70		Good	ForestBlackSpruce
102248	30/06/2011	JBHebsgaard	580917	7053622	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	70		Good	ForestBlackSpruce
102249	30/06/2011	JBHebsgaard	580939	7053571	UTMZ7N WGS84	Colluvium	BrownLight		Moderate	C	60		Good	ForestBlackSpruce
102250	30/06/2011	JBHebsgaard	580996	7053521	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	60		Good	ForestBlackSpruce
102251	30/06/2011	JBHebsgaard	581040	7053485	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	60		Good	ForestBlackSpruce
102252	30/06/2011	JBHebsgaard	581088	7053432	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	C	40		Poor	ForestBlackSpruce
102253	30/06/2011	JBHebsgaard	581137	7053394	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	B	50	Wet	Good	ForestBlackSpruce
102254	30/06/2011	JBHebsgaard	581160	7053346	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	50		Poor	ForestBlackSpruce
102255	30/06/2011	JBHebsgaard	581201	7053295	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	C	50		Good	ForestBlackSpruce
102256	30/06/2011	JBHebsgaard	581239	7053257	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	C	60		Poor	ForestBlackSpruce
102257	30/06/2011	JBHebsgaard	581307	7053229	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	C	60		Good	ForestBlackSpruce
102258	30/06/2011	JBHebsgaard	581332	7053177	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	B	50		Poor	ForestBlackSpruce
102259	01/07/2011	JBHebsgaard	579832	7053413	UTMZ7N WGS84	Lithosoil	Grey	Silt	Moderate	B	50		Poor	ForestBlackSpruce
102260	01/07/2011	JBHebsgaard	579740	7053423	UTMZ7N WGS84	Lithosoil	Grey		Moderate	B	50	Frozen	Poor	ForestBlackSpruce
102261	01/07/2011	JBHebsgaard	579480	7053337	UTMZ7N WGS84	Colluvium	Black		Moderate	B	40	Frozen	Poor	ForestBlackSpruce
102262	01/07/2011	JBHebsgaard	579613	7052939	UTMZ7N WGS84	Colluvium	Grey		Moderate	C	60		Good	ForestBlackSpruce
102263	01/07/2011	JBHebsgaard	579574	7052839	UTMZ7N WGS84	Colluvium	Green		Moderate	C	40		Excellent	ForestAspen
102264	01/07/2011	JBHebsgaard	579503	7052775	UTMZ7N WGS84	Colluvium	Green		Moderate	C	70		Excellent	ForestAspen
102265	01/07/2011	JBHebsgaard	579432	7052692	UTMZ7N WGS84	Colluvium	Green		Moderate	C	80		Good	ForestAspen
102266	01/07/2011	JBHebsgaard	579374	7052605	UTMZ7N WGS84	Colluvium	Green		Moderate	C	60		Good	ForestAspen
102267	01/07/2011	JBHebsgaard	579318	7052523	UTMZ7N WGS84	Colluvium	Grey		Moderate	C	60		Good	ForestAspen
102268	01/07/2011	JBHebsgaard	579246	7052447	UTMZ7N WGS84	Colluvium	Grey		Moderate	C	50		Good	ForestAspen
102269	01/07/2011	JBHebsgaard	579192	7052342	UTMZ7N WGS84	Lithosoil	BrownLight	Silt	Moderate	B	80		Poor	ForestAspen
102270	01/07/2011	JBHebsgaard	579061	7052242	UTMZ7N WGS84	Colluvium	BrownDark		Moderate	C	70		Poor	ForestBlackSpruce
102271	01/07/2011	JBHebsgaard	578950	7052136	UTMZ7N WGS84	Colluvium	BrownDark		Moderate	C	60		Poor	ForestBlackSpruce
102272	01/07/2011	JBHebsgaard	578880	7052032	UTMZ7N WGS84	Colluvium	BrownDark		Moderate	C	40		Good	ForestAspen
102273	01/07/2011	JBHebsgaard	578806	7051938	UTMZ7N WGS84	Colluvium	BrownDark		Moderate	C	60		Poor	ForestAspen
102274	01/07/2011	JBHebsgaard	578736	7051859	UTMZ7N WGS84	Lithosoil	BrownDark	Gravel	Moderate	C	60		Poor	BurnOld
102275	02/07/2011	JBHebsgaard	577598	7056262	UTMZ7N WGS84	Colluvium	Green		Moderate	C	50		Good	BurnOld
102276	02/07/2011	JBHebsgaard	577658	7056321	UTMZ7N WGS84	Colluvium	BrownDark	Gravel	Moderate	C	40		Good	BurnOld
102277	02/07/2011	JBHebsgaard	577722	7056391	UTMZ7N WGS84	Colluvium	BrownDark	Gravel	Moderate	C	40		Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
102278	02/07/2011	JBHebsgaard	577782	7056463	UTMZ7N WGS84	Colluvium	RustyOrange		Moderate	C	60		Excellent	BurnOld
102279	02/07/2011	JBHebsgaard	577821	7056506	UTMZ7N WGS84	Colluvium	RustyOrange		Moderate	C	60		Excellent	BurnOld
102280	02/07/2011	JBHebsgaard	577767	7056536	UTMZ7N WGS84	Colluvium	RustyOrange		Moderate	C	60		Excellent	BurnOld
102281	02/07/2011	JBHebsgaard	577666	7056550	UTMZ7N WGS84	Colluvium	RustyOrange		Moderate	C	70		Excellent	BurnOld
102282	02/07/2011	JBHebsgaard	577558	7056561	UTMZ7N WGS84	Colluvium	RustyOrange		Moderate	C	60		Excellent	BurnOld
102283	02/07/2011	JBHebsgaard	577468	7056553	UTMZ7N WGS84	Colluvium	RustyOrange		Moderate	C	60		Excellent	BurnOld
102284	02/07/2011	JBHebsgaard	577352	7056546	UTMZ7N WGS84	Colluvium	Orange		Moderate	C	70		Excellent	BurnOld
102285	02/07/2011	JBHebsgaard	577267	7056550	UTMZ7N WGS84	Colluvium	Blue		Moderate	C	110		Excellent	BurnOld
102286	02/07/2011	JBHebsgaard	577158	7056558	UTMZ7N WGS84	Colluvium	RustyRed		Moderate	C	80		Excellent	BurnOld
102287	02/07/2011	JBHebsgaard	577059	7056576	UTMZ7N WGS84	Colluvium	RustyRed		Steep	C	70		Excellent	BurnOld
102288	02/07/2011	JBHebsgaard	576960	7056571	UTMZ7N WGS84	Colluvium	Green		Moderate	C	40		Good	BurnOld
102289	02/07/2011	JBHebsgaard	576874	7056619	UTMZ7N WGS84	Colluvium	Green		Moderate	C	90		Excellent	BurnOld
102290	02/07/2011	JBHebsgaard	576825	7056629	UTMZ7N WGS84	Colluvium	BrownDark	Gravel	Moderate	B	40		Good	BurnOld
102292	02/07/2011	JBHebsgaard	576718	7056645	UTMZ7N WGS84	Colluvium	BrownDark	Gravel	Moderate	B	80		Good	BurnOld
102293	02/07/2011	JBHebsgaard	576625	7056672	UTMZ7N WGS84	Colluvium	RustyRed	Gravel	Flat	C	70		Good	BurnOld
102294	02/07/2011	JBHebsgaard	576511	7056706	UTMZ7N WGS84	Colluvium	RustyRed	Gravel	Flat	C	70		Good	BurnOld
102295	02/07/2011	JBHebsgaard	576431	7056722	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Steep	B	60		Poor	ForestBlackSpruce
102296	02/07/2011	JBHebsgaard	576340	7056736	UTMZ7N WGS84	Colluvium	RustyRed		Steep	B	60		Good	ForestBlackSpruce
102297	02/07/2011	JBHebsgaard	576228	7056700	UTMZ7N WGS84	Colluvium	RustyRed		Steep	B	30		Good	ForestAspen
102298	02/07/2011	JBHebsgaard	576114	7056719	UTMZ7N WGS84	Colluvium	RustyOrange		Steep	B	40		Good	ForestAspen
102299	03/07/2011	JBHebsgaard	577602	7059620	UTMZ7N WGS84	Soil	BrownLight		Steep	C	60		Excellent	ForestAspen
102300	03/07/2011	JBHebsgaard	577493	7059566	UTMZ7N WGS84	Soil	Black		Steep	C	50	Frozen	Good	ForestBlackSpruce
102301	03/07/2011	JBHebsgaard	577387	7059498	UTMZ7N WGS84	Soil	Black		Flat	B	10		Poor	ForestBlackSpruce
102302	03/07/2011	JBHebsgaard	577241	7059464	UTMZ7N WGS84	Colluvium	Black		Flat	B	40		Poor	DrainageBrush
102303	03/07/2011	JBHebsgaard	577062	7059463	UTMZ7N WGS84	Soil	RustyRed		Steep	B	30		Poor	DrainageBrush
102304	03/07/2011	JBHebsgaard	576953	7059471	UTMZ7N WGS84	Soil	Grey		Steep	B	90		Poor	ForestAspen
102305	03/07/2011	JBHebsgaard	576817	7059440	UTMZ7N WGS84	Colluvium	RustyOrange		Steep	B	60		Poor	ForestAspen
102306	03/07/2011	JBHebsgaard	576579	7059375	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	70		Excellent	ForestBirch
102307	03/07/2011	JBHebsgaard	576511	7059308	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	60		Excellent	ForestBirch
102308	03/07/2011	JBHebsgaard	576450	7059223	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
102309	03/07/2011	JBHebsgaard	576382	7059158	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
102310	03/07/2011	JBHebsgaard	576148	7059167	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
102311	03/07/2011	JBHebsgaard	575959	7059231	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
102312	03/07/2011	JBHebsgaard	575875	7059308	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
102313	03/07/2011	JBHebsgaard	575530	7059598	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60	Frozen	Good	BurnOld
102314	03/07/2011	JBHebsgaard	575503	7059673	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50	Frozen	Poor	BurnOld
102315	03/07/2011	JBHebsgaard	575437	7059932	UTMZ7N WGS84	Colluvium	Black	Sand	Moderate	C	50	Frozen	Good	BurnOld
102316	03/07/2011	JBHebsgaard	575387	7060018	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	60		Excellent	BurnOld
102317	03/07/2011	JBHebsgaard	575334	7060120	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
102318	04/07/2011	JBHebsgaard	571917	7061103	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
102319	04/07/2011	JBHebsgaard	571810	7061102	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
102320	04/07/2011	JBHebsgaard	571715	7061150	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	60	Wet	Excellent	BurnOld
102321	04/07/2011	JBHebsgaard	571613	7061128	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	60		Excellent	ForestBlackSpruce
102322	04/07/2011	JBHebsgaard	571517	7061125	UTMZ7N WGS84	Soil	Green	Sand	Moderate	C	70		Excellent	ForestBlackSpruce
102323	04/07/2011	JBHebsgaard	571413	7061110	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	60		Excellent	ForestBirch
102324	04/07/2011	JBHebsgaard	571333	7061034	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	70		Excellent	ForestWhiteSpruce
102325	04/07/2011	JBHebsgaard	571244	7060993	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	70		Excellent	ForestWhiteSpruce
102326	04/07/2011	JBHebsgaard	570806	7060352	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestWhiteSpruce
102327	04/07/2011	JBHebsgaard	570832	7060451	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
102328	04/07/2011	JBHebsgaard	570879	7060537	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
102329	04/07/2011	JBHebsgaard	570933	7060618	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	70		Excellent	BurnOld
102330	04/07/2011	JBHebsgaard	570978	7060731	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	50		Excellent	BurnOld
102331	04/07/2011	JBHebsgaard	571009	7060820	UTMZ7N WGS84	Soil	BrownDark	Sand	Steep	C	50		Excellent	BurnOld
102332	04/07/2011	JBHebsgaard	571078	7060889	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Excellent	BurnOld
102333	04/07/2011	JBHebsgaard	571155	7060942	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Excellent	ForestWhiteSpruce
102334	04/07/2011	JBHebsgaard	571155	7061066	UTMZ7N WGS84	Soil	BrownDark	Silt	Flat	C	60		Good	ForestWhiteSpruce
102335	04/07/2011	JBHebsgaard	571057	7061129	UTMZ7N WGS84	Soil	BrownDark		Moderate	C	60		Good	BurnOld
102336	04/07/2011	JBHebsgaard	570990	7061182	UTMZ7N WGS84	Soil	BrownDark		Moderate	C	60		Good	ForestAspen
102337	04/07/2011	JBHebsgaard	570911	7061251	UTMZ7N WGS84	Soil	BrownDark		Moderate	C	60		Good	ForestWhiteSpruce
102338	04/07/2011	JBHebsgaard	570860	7061246	UTMZ7N WGS84	Soil	BrownDark	Gravel	Moderate	C	60		Poor	ForestWhiteSpruce

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
102339	04/07/2011	JBHebsgaard	570788	7061231	UTMZ7N WGS84	Colluvium	Grey	Gravel	Moderate	C	70		Good	ForestWhiteSpruce
102340	04/07/2011	JBHebsgaard	570710	7061250	UTMZ7N WGS84	Soil	Grey	Gravel	Moderate	C	70		Poor	BurnOld
102342	04/07/2011	JBHebsgaard	570621	7061230	UTMZ7N WGS84	Soil	Grey	Gravel	Moderate	C	90		Poor	BurnOld
102343	04/07/2011	JBHebsgaard	570548	7061256	UTMZ7N WGS84	Colluvium	Grey	Gravel	Moderate	C	60		Poor	BurnOld
102344	04/07/2011	JBHebsgaard	570498	7061292	UTMZ7N WGS84	Soil	Grey	Gravel	Moderate	C	60		Poor	BurnOld
102345	04/07/2011	JBHebsgaard	570443	7061304	UTMZ7N WGS84	Colluvium	Grey	Gravel	Moderate	C	70		Poor	BurnOld
102346	04/07/2011	JBHebsgaard	570365	7061292	UTMZ7N WGS84	Colluvium	RustyOrange		Moderate	C	70		Excellent	BurnOld
102347	04/07/2011	JBHebsgaard	570268	7061264	UTMZ7N WGS84	Colluvium	RustyOrange		Moderate	C	50		Good	BurnOld
102348	04/07/2011	JBHebsgaard	570144	7061265	UTMZ7N WGS84	Colluvium	RustyRed		Moderate	C	60		Good	BurnOld
102349	04/07/2011	JBHebsgaard	570036	7061213	UTMZ7N WGS84	Colluvium	RustyRed		Flat	C	60		Good	BurnOld
102350	04/07/2011	JBHebsgaard	569931	7061195	UTMZ7N WGS84	Colluvium	Green		Moderate	C	50		Good	BurnOld
102351	04/07/2011	JBHebsgaard	569862	7061172	UTMZ7N WGS84	Colluvium	Green		Moderate	C	70		Good	BurnOld
102352	05/07/2011	JBHebsgaard	566794	7069157	UTMZ7N WGS84	Soil	RustyRed		Moderate	C	60		Good	ForestWhiteSpruce
102353	05/07/2011	JBHebsgaard	566810	7068989	UTMZ7N WGS84	Soil	Green		Moderate	C	80		Good	ForestWhiteSpruce
102354	05/07/2011	JBHebsgaard	566831	7068902	UTMZ7N WGS84	Colluvium	Grey		Moderate	C	70		Good	ForestWhiteSpruce
102355	05/07/2011	JBHebsgaard	566827	7068800	UTMZ7N WGS84	Colluvium	RustyOrange		Moderate	C	70		Good	ForestWhiteSpruce
102356	05/07/2011	JBHebsgaard	566791	7068703	UTMZ7N WGS84	Soil	Grey		Moderate	C	70		Good	ForestWhiteSpruce
102357	05/07/2011	JBHebsgaard	566716	7068669	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	B	90		Poor	ForestMixed
102358	05/07/2011	JBHebsgaard	566617	7068702	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Steep	B	50		Poor	ForestMixed
102359	05/07/2011	JBHebsgaard	566527	7068711	UTMZ7N WGS84	Colluvium	Green		Moderate	C	60		Good	ForestMixed
102360	05/07/2011	JBHebsgaard	566414	7068722	UTMZ7N WGS84	Colluvium	BrownDark	Gravel	Flat	B	30		Poor	ForestMixed
102361	05/07/2011	JBHebsgaard	566323	7068761	UTMZ7N WGS84	Colluvium	BrownDark		Flat	C	70		Poor	ForestMixed
102362	05/07/2011	JBHebsgaard	566234	7068740	UTMZ7N WGS84	Colluvium	Black	Sand	Flat	B	60		Poor	ForestWhiteSpruce
102363	05/07/2011	JBHebsgaard	566133	7068737	UTMZ7N WGS84	Colluvium	Black	Sand	Flat	B	60		Poor	ForestWhiteSpruce
102364	05/07/2011	JBHebsgaard	566028	7068761	UTMZ7N WGS84	Soil	BrownLight	Sand	Moderate	C	40		Excellent	BurnOld
102365	05/07/2011	JBHebsgaard	565983	7068725	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
102366	05/07/2011	JBHebsgaard	565986	7068666	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	80		Excellent	BurnOld
102367	05/07/2011	JBHebsgaard	565933	7068636	UTMZ7N WGS84	Soil	Green	Sand	Moderate	C	60		Excellent	BurnOld
102368	05/07/2011	JBHebsgaard	565902	7068591	UTMZ7N WGS84	Soil	RustyRed	Sand	Moderate	C	40		Excellent	BurnOld
102369	05/07/2011	JBHebsgaard	565872	7068556	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
102370	05/07/2011	JBHebsgaard	565841	7068509	UTMZ7N WGS84	Soil	Green	Sand	Moderate	C	50		Excellent	BurnOld
102371	05/07/2011	JBHebsgaard	565833	7068469	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
102372	05/07/2011	JBHebsgaard	565780	7068444	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	100		Excellent	BurnOld
102373	05/07/2011	JBHebsgaard	565738	7068461	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	50		Excellent	BurnOld
102374	05/07/2011	JBHebsgaard	565687	7068466	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Good	BurnOld
102375	05/07/2011	JBHebsgaard	565636	7068451	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
102376	05/07/2011	JBHebsgaard	565594	7068453	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	60		Excellent	BurnOld
102377	05/07/2011	JBHebsgaard	565551	7068438	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
102378	05/07/2011	JBHebsgaard	565504	7068446	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	60		Excellent	BurnOld
102379	05/07/2011	JBHebsgaard	565439	7068437	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
102380	05/07/2011	JBHebsgaard	565389	7068440	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40	Frozen	Good	BurnOld
102381	05/07/2011	JBHebsgaard	565350	7068427	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	50		Excellent	ForestWhiteSpruce
102382	05/07/2011	JBHebsgaard	565292	7068428	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	B	30	Frozen	Poor	ForestWhiteSpruce
102383	05/07/2011	JBHebsgaard	565245	7068428	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	40		Good	ForestWhiteSpruce
102384	05/07/2011	JBHebsgaard	565123	7068381	UTMZ7N WGS84	Soil	Grey	Sand	Steep	C	40		Good	ForestWhiteSpruce
103458	30/06/2011	ChrisErdman	581025	7054698	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	60		Excellent	ForestWhiteSpruce
103459	30/06/2011	ChrisErdman	581159	7054723	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	70		Excellent	ForestWhiteSpruce
103460	30/06/2011	ChrisErdman	581295	7054714	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	B	40		Good	ForestWhiteSpruce
103461	30/06/2011	ChrisErdman	581395	7054667	UTMZ7N WGS84	Colluvium	Black	Sand	Moderate	C	50		Excellent	ForestWhiteSpruce
103462	30/06/2011	ChrisErdman	581582	7054599	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	50		Excellent	ForestWhiteSpruce
103463	30/06/2011	ChrisErdman	581670	7054567	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	40		Good	ForestWhiteSpruce
103464	30/06/2011	ChrisErdman	581710	7054540	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestWhiteSpruce
103465	30/06/2011	ChrisErdman	581761	7054522	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	B	30	Frozen	Good	ForestBlackSpruce
103466	30/06/2011	ChrisErdman	581818	7054541	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	30		Good	ForestBlackSpruce
103467	30/06/2011	ChrisErdman	581893	7054535	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestBlackSpruce
103468	30/06/2011	ChrisErdman	582018	7054465	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	ForestBlackSpruce
103469	30/06/2011	ChrisErdman	582109	7054340	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	40		Good	ForestMixed
103470	30/06/2011	ChrisErdman	582175	7054276	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	30		Good	ForestMixed
103471	30/06/2011	ChrisErdman	582218	7054248	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Excellent	ForestMixed
103472	30/06/2011	ChrisErdman	582260	7054221	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
103473	30/06/2011	ChrisErdman	582276	7054164	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	30		Good	DrainageBrush
103474	30/06/2011	ChrisErdman	582304	7054119	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	70		Good	DrainageBrush
103475	30/06/2011	ChrisErdman	582337	7054072	UTMZ7N WGS84	Colluvium	Black	Silt	Moderate	B	30		Good	DrainageBrush
103476	30/06/2011	ChrisErdman	582371	7054019	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	30		Good	DrainageBrush
103477	30/06/2011	ChrisErdman	582415	7054008	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	110		Excellent	DrainageBrush
103478	01/07/2011	ChrisErdman	582148	7052237	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Good	DrainageBrush
103479	01/07/2011	ChrisErdman	582180	7052194	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	20		Poor	DrainageBrush
103480	01/07/2011	ChrisErdman	582225	7052161	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	40		Good	ForestBlackSpruce
103481	01/07/2011	ChrisErdman	582260	7052133	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	30		Good	ForestBlackSpruce
103482	01/07/2011	ChrisErdman	582288	7052087	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	ForestBlackSpruce
103483	01/07/2011	ChrisErdman	582314	7052053	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	40		Good	ForestBlackSpruce
103484	01/07/2011	ChrisErdman	582363	7052016	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	40		Good	ForestBirch
103485	01/07/2011	ChrisErdman	582396	7051988	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	50		Good	ForestBirch
103486	01/07/2011	ChrisErdman	582436	7051946	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	40		Good	ForestBirch
103487	01/07/2011	ChrisErdman	582424	7051884	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Good	ForestBirch
103488	01/07/2011	ChrisErdman	582364	7051833	UTMZ7N WGS84	Colluvium	Green	Silt	Moderate	C	40		Good	ForestBlackSpruce
103489	01/07/2011	ChrisErdman	582329	7051788	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	40		Good	ForestBlackSpruce
103490	01/07/2011	ChrisErdman	582287	7051756	UTMZ7N WGS84	Colluvium	Green	Silt	Moderate	C	70		Excellent	ForestBlackSpruce
103491	01/07/2011	ChrisErdman	582255	7051717	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Good	ForestBlackSpruce
103492	01/07/2011	ChrisErdman	582235	7051670	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	40		Good	ForestBlackSpruce
103493	01/07/2011	ChrisErdman	582189	7051629	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	30		Good	ForestBlackSpruce
103494	01/07/2011	ChrisErdman	582144	7051587	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	30		Excellent	ForestBlackSpruce
103495	01/07/2011	ChrisErdman	582460	7051921	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Excellent	BurnOld
103496	01/07/2011	ChrisErdman	582502	7051917	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	50		Good	BurnOld
103497	01/07/2011	ChrisErdman	582534	7051885	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	50		Good	BurnOld
103498	01/07/2011	ChrisErdman	582576	7051841	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	110		Excellent	BurnOld
103499	01/07/2011	ChrisErdman	582638	7051831	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	80		Good	ForestAspen
103500	01/07/2011	ChrisErdman	582672	7051809	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	110		Excellent	ForestWhiteSpruce
103501	01/07/2011	ChrisErdman	582728	7051789	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Excellent	ForestAspen
103502	01/07/2011	ChrisErdman	582767	7051760	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	ForestAspen
103503	01/07/2011	ChrisErdman	582806	7051721	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestAspen
103504	01/07/2011	ChrisErdman	582901	7051684	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	100		Excellent	BurnOld
103505	01/07/2011	ChrisErdman	582960	7051715	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	80		Excellent	BurnOld
103506	01/07/2011	ChrisErdman	583013	7051740	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
103507	01/07/2011	ChrisErdman	583056	7051779	UTMZ7N WGS84	Colluvium	Orange	Sand	Moderate	C	90		Excellent	BurnOld
103508	01/07/2011	ChrisErdman	583094	7051797	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
103509	01/07/2011	ChrisErdman	583141	7051800	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
103510	01/07/2011	ChrisErdman	583194	7051810	UTMZ7N WGS84	Colluvium	Orange	Sand	Moderate	C	60		Excellent	BurnOld
103511	01/07/2011	ChrisErdman	583240	7051797	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Excellent	BurnOld
103512	01/07/2011	ChrisErdman	583293	7051781	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	50		Excellent	BurnOld
103513	01/07/2011	ChrisErdman	583322	7051759	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	40		Good	BurnOld
103514	01/07/2011	ChrisErdman	583372	7051761	UTMZ7N WGS84	Colluvium	Orange	Silt	Moderate	B	50		Excellent	BurnOld
103515	01/07/2011	ChrisErdman	583428	7051747	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	ForestBirch
103516	01/07/2011	ChrisErdman	583500	7051749	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	ForestBirch
103517	01/07/2011	ChrisErdman	583553	7051732	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestBirch
103518	01/07/2011	ChrisErdman	583609	7051743	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	ForestBirch
103519	02/07/2011	ChrisErdman	578387	7055828	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	20		Good	ForestBirch
103520	02/07/2011	ChrisErdman	578261	7055782	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	40		Good	ForestBlackSpruce
103521	02/07/2011	ChrisErdman	578167	7055776	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	40		Good	ForestBlackSpruce
103522	02/07/2011	ChrisErdman	578058	7055760	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	30		Good	ForestBlackSpruce
103523	02/07/2011	ChrisErdman	577965	7055752	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	40		Poor	ForestBlackSpruce
103524	02/07/2011	ChrisErdman	577861	7055733	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	90		Excellent	ForestBlackSpruce
103525	02/07/2011	ChrisErdman	577771	7055702	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	40		Excellent	ForestBlackSpruce
103526	02/07/2011	ChrisErdman	577671	7055684	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	20		Poor	ForestBlackSpruce
103527	02/07/2011	ChrisErdman	577572	7055664	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	30		Good	ForestBlackSpruce
103528	02/07/2011	ChrisErdman	577474	7055647	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	30		Poor	ForestBlackSpruce
103529	02/07/2011	ChrisErdman	577380	7055635	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	80		Good	ForestAspen
103530	02/07/2011	ChrisErdman	577279	7055613	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Good	ForestAspen
103531	02/07/2011	ChrisErdman	577182	7055598	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	40		Good	ForestAspen
103532	02/07/2011	ChrisErdman	577076	7055609	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	60		Good	ForestAspen

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
103533	02/07/2011	ChrisErdman	576981	7055616	UTMZ7N WGS84	Colluvium	Green	Silt	Moderate	C	90		Good	ForestAspen
103534	02/07/2011	ChrisErdman	576875	7055626	UTMZ7N WGS84	Colluvium	Green	Silt	Moderate	C	70		Good	ForestAspen
103535	02/07/2011	ChrisErdman	576799	7055687	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Good	ForestAspen
103536	02/07/2011	ChrisErdman	576700	7055713	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	30		Good	ForestAspen
103537	02/07/2011	ChrisErdman	576604	7055730	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	30		Good	ForestAspen
103538	02/07/2011	ChrisErdman	576486	7055745	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	80		Good	ForestAspen
103539	02/07/2011	ChrisErdman	576408	7055711	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	40		Poor	ForestAspen
103541	02/07/2011	ChrisErdman	576356	7055681	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	80		Good	ForestAspen
103542	02/07/2011	ChrisErdman	576212	7055648	UTMZ7N WGS84	Colluvium	Green	Silt	Moderate	C	60		Good	ForestAspen
103543	02/07/2011	ChrisErdman	576100	7055630	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	40		Good	ForestAspen
103544	02/07/2011	ChrisErdman	576006	7055581	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Good	ForestAspen
103545	02/07/2011	ChrisErdman	575929	7055535	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Good	ForestAspen
103546	02/07/2011	ChrisErdman	575839	7055494	UTMZ7N WGS84	Colluvium	Black	Silt	Moderate	C	50		Good	ForestAspen
103547	02/07/2011	ChrisErdman	576358	7055795	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	70		Excellent	ForestBirch
103548	02/07/2011	ChrisErdman	576283	7055867	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Good	ForestBirch
103549	02/07/2011	ChrisErdman	576228	7055950	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Good	ForestBirch
103550	02/07/2011	ChrisErdman	576166	7056042	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestBirch
103551	02/07/2011	ChrisErdman	576085	7056092	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestBirch
103552	02/07/2011	ChrisErdman	575987	7056127	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestAspen
103553	02/07/2011	ChrisErdman	575899	7056140	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	B	60		Good	ForestAspen
103554	02/07/2011	ChrisErdman	575810	7056196	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	70		Good	ForestAspen
103555	02/07/2011	ChrisErdman	575694	7056167	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	B	50		Good	ForestAspen
103556	02/07/2011	ChrisErdman	575582	7056149	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	B	60		Good	ForestAspen
103557	02/07/2011	ChrisErdman	575447	7056166	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestAspen
103558	02/07/2011	ChrisErdman	575320	7056222	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	ForestAspen
103559	03/07/2011	ChrisErdman	577175	7058767	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestAspen
103560	03/07/2011	ChrisErdman	577167	7058904	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	B	50		Good	ForestAspen
103561	03/07/2011	ChrisErdman	577152	7059025	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	B	50		Excellent	ForestAspen
103562	03/07/2011	ChrisErdman	577065	7059116	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	110		Excellent	ForestAspen
103563	03/07/2011	ChrisErdman	576995	7059176	UTMZ7N WGS84	Colluvium	Green	Silt	Moderate	C	100		Excellent	ForestAspen
103564	03/07/2011	ChrisErdman	576886	7059211	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	60		Excellent	ForestAspen
103565	03/07/2011	ChrisErdman	576750	7059261	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	110		Excellent	ForestAspen
103566	03/07/2011	ChrisErdman	576682	7059357	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	40		Good	ForestAspen
103567	03/07/2011	ChrisErdman	576605	7059431	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	70		Good	ForestAspen
103568	03/07/2011	ChrisErdman	576587	7059517	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	60		Good	ForestAspen
103569	03/07/2011	ChrisErdman	576555	7059605	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	ForestAspen
103570	03/07/2011	ChrisErdman	576500	7059702	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	90		Poor	ForestAspen
103571	03/07/2011	ChrisErdman	576472	7059790	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	90		Excellent	ForestAspen
103572	03/07/2011	ChrisErdman	576397	7059848	UTMZ7N WGS84	Colluvium	Orange	Sand	Moderate	C	80		Excellent	ForestAspen
103573	03/07/2011	ChrisErdman	576278	7059947	UTMZ7N WGS84	Colluvium	Orange	Sand	Moderate	C	70		Excellent	ForestAspen
103574	03/07/2011	ChrisErdman	576204	7060010	UTMZ7N WGS84	Colluvium	Orange	Sand	Moderate	C	80		Excellent	ForestAspen
103575	03/07/2011	ChrisErdman	576141	7060082	UTMZ7N WGS84	Colluvium	Orange	Sand	Moderate	C	90		Excellent	ForestAspen
103576	03/07/2011	ChrisErdman	576039	7060130	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	80		Good	ForestWhiteSpruce
103577	03/07/2011	ChrisErdman	575968	7060214	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	40		Excellent	ForestWhiteSpruce
103578	03/07/2011	ChrisErdman	575910	7060272	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	B	90		Good	ForestWhiteSpruce
103579	03/07/2011	ChrisErdman	575812	7060362	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	110		Excellent	ForestAspen
103580	03/07/2011	ChrisErdman	575684	7060447	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	90		Good	ForestBirch
103581	04/07/2011	ChrisErdman	571864	7061066	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	90		Good	ForestWhiteSpruce
103582	04/07/2011	ChrisErdman	571753	7061133	UTMZ7N WGS84	Alluvium	Yellow	Sand	Moderate	C	90		Excellent	ForestWhiteSpruce
103583	04/07/2011	ChrisErdman	571651	7061150	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	50		Excellent	ForestWhiteSpruce
103584	04/07/2011	ChrisErdman	571559	7061104	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	80		Excellent	ForestWhiteSpruce
103585	04/07/2011	ChrisErdman	571449	7061123	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	80		Excellent	ForestAspen
103586	04/07/2011	ChrisErdman	571358	7061067	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	100		Excellent	ForestAspen
103587	04/07/2011	ChrisErdman	571288	7061023	UTMZ7N WGS84		Green	Sand	Moderate	C	60		Excellent	ForestAspen
103588	04/07/2011	ChrisErdman	571182	7060958	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	60		Excellent	ForestAspen
103589	04/07/2011	ChrisErdman	570809	7060418	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	110		Excellent	ForestAspen
103591	04/07/2011	ChrisErdman	570852	7060506	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	80		Excellent	ForestAspen
103592	04/07/2011	ChrisErdman	570907	7060591	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	80	Wet	Good	BurnOld
103593	04/07/2011	ChrisErdman	570953	7060671	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	110	Wet	Good	BurnOld
103594	04/07/2011	ChrisErdman	570987	7060782	UTMZ7N WGS84		BrownDark	Sand	Moderate	B	110	Wet	Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
103595	04/07/2011	ChrisErdman	571052	7060849	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
103596	04/07/2011	ChrisErdman	571132	7060908	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
103597	04/07/2011	ChrisErdman	571189	7061026	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
103598	04/07/2011	ChrisErdman	571126	7061111	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
103599	04/07/2011	ChrisErdman	571022	7061156	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
103600	04/07/2011	ChrisErdman	570950	7061221	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
103601	04/07/2011	ChrisErdman	570917	7061325	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	80		Excellent	BurnOld
103602	04/07/2011	ChrisErdman	570943	7061420	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	80		Excellent	BurnOld
103603	04/07/2011	ChrisErdman	570925	7061522	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	90		Excellent	BurnOld
103604	04/07/2011	ChrisErdman	570918	7061618	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	80		Excellent	BurnOld
103605	04/07/2011	ChrisErdman	570895	7061685	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
103606	04/07/2011	ChrisErdman	570305	7061281	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
103607	04/07/2011	ChrisErdman	570223	7061250	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
103608	04/07/2011	ChrisErdman	570174	7061254	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
103609	04/07/2011	ChrisErdman	570093	7061226	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	70		Good	BurnOld
103610	04/07/2011	ChrisErdman	569986	7061217	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
103612	05/07/2011	ChrisErdman	570323	7063921	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	80		Excellent	BurnOld
103613	05/07/2011	ChrisErdman	570280	7063861	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	70		Excellent	BurnOld
103614	05/07/2011	ChrisErdman	570280	7063810	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	90		Excellent	BurnOld
103615	05/07/2011	ChrisErdman	570280	7063767	UTMZ7N WGS84	Colluvium	Orange	Sand	Moderate	C	80		Excellent	BurnOld
103616	05/07/2011	ChrisErdman	570242	7063718	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	110		Excellent	BurnOld
103617	05/07/2011	ChrisErdman	570200	7063683	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Good	BurnOld
103618	05/07/2011	ChrisErdman	570182	7063634	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	60		Good	BurnOld
103619	05/07/2011	ChrisErdman	570191	7063583	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
103620	05/07/2011	ChrisErdman	570174	7063535	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90	Wet	Good	BurnOld
103621	05/07/2011	ChrisErdman	570173	7063488	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
103622	05/07/2011	ChrisErdman	570181	7063440	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
103623	05/07/2011	ChrisErdman	570176	7063386	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
103624	05/07/2011	ChrisErdman	570181	7063337	UTMZ7N WGS84	Colluvium	BrownDark	Sand	RidgeAlpine	B	40	Moist	Good	AlpineBare
103625	05/07/2011	ChrisErdman	570174	7063286	UTMZ7N WGS84	Colluvium	BrownDark	Sand	RidgeAlpine	C	40	Wet	Excellent	AlpineBare
103626	05/07/2011	ChrisErdman	570167	7063230	UTMZ7N WGS84	Colluvium	BrownDark	Sand	RidgeAlpine	C	40	Frozen	Excellent	AlpineBare
103627	05/07/2011	ChrisErdman	570165	7063182	UTMZ7N WGS84	Colluvium	Grey	Sand	RidgeAlpine	C	40	Moist	Excellent	AlpineBare
103628	05/07/2011	ChrisErdman	570176	7063145	UTMZ7N WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	20	Moist	Excellent	AlpineBare
103629	05/07/2011	ChrisErdman	570167	7063096	UTMZ7N WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	40	Moist	Excellent	AlpineBare
103630	05/07/2011	ChrisErdman	570153	7063037	UTMZ7N WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	70	Moist	Excellent	AlpineBare
103631	05/07/2011	ChrisErdman	570142	7062985	UTMZ7N WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	60	Moist	Good	AlpineBare
103632	05/07/2011	ChrisErdman	570170	7062937	UTMZ7N WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	60	Wet	Excellent	AlpineBare
103633	05/07/2011	ChrisErdman	570146	7062891	UTMZ7N WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	30	Moist	Excellent	AlpineBare
103634	05/07/2011	ChrisErdman	570145	7062828	UTMZ7N WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	60	Moist	Excellent	AlpineBare
103635	05/07/2011	ChrisErdman	570273	7062633	UTMZ7N WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	440	Moist	Excellent	AlpineBare
103636	05/07/2011	ChrisErdman	570316	7062566	UTMZ7N WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	40	Moist	Excellent	AlpineBare
103637	05/07/2011	ChrisErdman	570355	7062546	UTMZ7N WGS84	Colluvium	Brown	Sand	Drainage	C	40	Moist	Excellent	AlpineBare
103638	05/07/2011	ChrisErdman	570402	7062521	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateW	C	40	Moist	Excellent	ForestMixed
103639	05/07/2011	ChrisErdman	570436	7062517	UTMZ7N WGS84	Colluvium	Brown	Sand	SteepW	C	40	Wet	Good	ForestMixed
103641	05/07/2011	ChrisErdman	570463	7062462	UTMZ7N WGS84	Colluvium	Grey	Sand	ModerateW	C	40	Moist	Excellent	ForestMixed
103642	05/07/2011	ChrisErdman	570511	7062444	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateW	C	50	Moist	Excellent	ForestMixed
103643	05/07/2011	ChrisErdman	570559	7062402	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateW	C	50	Moist	Excellent	ForestMixed
103644	05/07/2011	ChrisErdman	570602	7062390	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateW	C	40	Moist	Excellent	ForestMixed
103645	05/07/2011	ChrisErdman	570646	7062371	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateW	C	40	Moist	Excellent	ForestMixed
103646	05/07/2011	ChrisErdman	570686	7062322	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateW	C	50	Moist	Excellent	ForestMixed
103647	05/07/2011	ChrisErdman	570729	7062290	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateW	C	50	Moist	Excellent	ForestMixed
103648	05/07/2011	ChrisErdman	570776	7062285	UTMZ7N WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	BurnOld
103649	05/07/2011	ChrisErdman	570826	7062276	UTMZ7N WGS84	Colluvium	Brown	Sand	Ridge	C	35	Dry	Excellent	BurnOld
103650	05/07/2011	ChrisErdman	570858	7062262	UTMZ7N WGS84	Colluvium	Orange	Sand	Ridge	C	40	Dry	Excellent	BurnOld
103651	05/07/2011	ChrisErdman	570909	7062255	UTMZ7N WGS84	Colluvium	Orange	Sand	Ridge	C	40	Dry	Good	BurnOld
104437	30/06/2011	MarkHiggins	580658	7054238	UTMZ7N WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry	Excellent	BurnOld
104438	30/06/2011	MarkHiggins	580686	7054065	UTMZ7N WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	BurnOld
104439	30/06/2011	MarkHiggins	580803	7053629	UTMZ7N WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Excellent	BurnOld
104440	30/06/2011	MarkHiggins	580805	7053585	UTMZ7N WGS84	Colluvium	Brown	Sand	Ridge	C	40	Dry	Good	BurnOld
104442	30/06/2011	MarkHiggins	580840	7053533	UTMZ7N WGS84	Colluvium	Brown	Sand	Ridge	C	50	Dry	Excellent	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
104443	30/06/2011	MarkHiggins	580845	7053483	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Ridge	C	40	Dry	Excellent	BurnOld
104444	30/06/2011	MarkHiggins	580848	7053425	UTMZ7N WGS84	Colluvium	Brown	Sand	Ridge	C	50	Dry	Good	BurnOld
104445	30/06/2011	MarkHiggins	580841	7053362	UTMZ7N WGS84	Colluvium	Brown	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
104446	30/06/2011	MarkHiggins	580843	7053319	UTMZ7N WGS84	Colluvium	Brown	Silt	Ridge	C	60	Dry	Excellent	BurnOld
104447	30/06/2011	MarkHiggins	580849	7053264	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateSW	C	50	Moist	Excellent	BurnNew
104448	30/06/2011	MarkHiggins	580855	7053220	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateSW	C	50	Moist	Excellent	ForestMixed
104449	30/06/2011	MarkHiggins	580849	7053166	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateSW	C	50	Moist	Excellent	ForestMixed
104450	30/06/2011	MarkHiggins	580861	7053110	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateSW	C	80	Moist	Excellent	ForestMixed
104451	30/06/2011	MarkHiggins	580859	7053061	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateSW	C	50	Moist	Excellent	ForestMixed
104452	30/06/2011	MarkHiggins	580877	7053014	UTMZ7N WGS84	Colluvium	Green	Sand	ModerateSW	C	50	Moist	Excellent	ForestMixed
104453	30/06/2011	MarkHiggins	580866	7052967	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateSW	C	60	Moist	Excellent	ForestMixed
104454	30/06/2011	MarkHiggins	580871	7052920	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateSW	C	60	Moist	Excellent	ForestMixed
104455	30/06/2011	MarkHiggins	580877	7052871	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	60	Moist	Excellent	ForestMixed
104456	30/06/2011	MarkHiggins	580872	7052820	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateSW	C	50	Moist	Excellent	ForestMixed
104457	01/07/2011	MarkHiggins	579468	7055276	UTMZ7N WGS84	Colluvium	Orange	Sand		C	60	Moist	Excellent	ForestMixed
104458	01/07/2011	MarkHiggins	579383	7055295	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	40	Moist	Excellent	ForestMixed
104459	01/07/2011	MarkHiggins	579274	7055293	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateSW	C	20	Moist	Excellent	ForestMixed
104460	01/07/2011	MarkHiggins	579169	7055291	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	50	Moist	Excellent	ForestMixed
104461	01/07/2011	MarkHiggins	579076	7055293	UTMZ7N WGS84	Colluvium	Brown	Sand		C	40	Moist	Excellent	ForestMixed
104462	01/07/2011	MarkHiggins	578969	7055296	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	40	Moist	Excellent	ForestMixed
104463	01/07/2011	MarkHiggins	578846	7055304	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	50	Moist	Excellent	ForestMixed
104464	01/07/2011	MarkHiggins	578782	7055233	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	40	Moist	Excellent	ForestMixed
104465	01/07/2011	MarkHiggins	578706	7055164	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateSW	C	50	Moist	Excellent	ForestMixed
104466	01/07/2011	MarkHiggins	578646	7055173	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	50	Moist	Excellent	ForestMixed
104467	01/07/2011	MarkHiggins	578582	7055181	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	40	Moist	Excellent	ForestMixed
104468	01/07/2011	MarkHiggins	578464	7055222	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateSW	C	50	Moist	Excellent	ForestMixed
104469	01/07/2011	MarkHiggins	578338	7055168	UTMZ7N WGS84	Colluvium	Blue	Sand	ModerateW	C	50	Moist	Excellent	ForestMixed
104470	01/07/2011	MarkHiggins	578221	7055195	UTMZ7N WGS84	Colluvium	Brown	Sand	ModerateW	C	50	Moist	Excellent	ForestMixed
104471	01/07/2011	MarkHiggins	578074	7055224	UTMZ7N WGS84	Alluvium	Brown	Sand	ModerateW	C	50	Moist	Excellent	ForestMixed
104472	01/07/2011	MarkHiggins	578018	7055229	UTMZ7N WGS84	Alluvium	Brown	Sand	ModerateW	C	50	Moist	Excellent	ForestMixed
104473	01/07/2011	MarkHiggins	577951	7055233	UTMZ7N WGS84	Alluvium	Brown	Sand	ModerateW	C	50	Moist	Excellent	ForestMixed
104475	02/07/2011	MarkHiggins	576033	7058679	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	C	40	Moist	Excellent	ForestMixed
104476	02/07/2011	MarkHiggins	576102	7058763	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	B	30	Moist	Excellent	ForestMixed
104477	02/07/2011	MarkHiggins	576153	7058839	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	C	30	Moist	Excellent	ForestMixed
104478	02/07/2011	MarkHiggins	576230	7058977	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	C	30	Moist	Excellent	ForestMixed
104479	02/07/2011	MarkHiggins	576241	7059013	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	C	40	Moist	Excellent	ForestMixed
104480	02/07/2011	MarkHiggins	576292	7059096	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	C	40	Moist	Excellent	ForestMixed
104482	02/07/2011	MarkHiggins	576344	7059015	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	C	40	Moist	Excellent	ForestMixed
104483	02/07/2011	MarkHiggins	576400	7058936	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	C	40	Moist	Excellent	ForestMixed
104484	02/07/2011	MarkHiggins	576470	7058862	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	C	50	Moist	Excellent	ForestMixed
104485	02/07/2011	MarkHiggins	576521	7058781	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	C	40	Moist	Excellent	ForestMixed
104486	02/07/2011	MarkHiggins	576542	7058739	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	C	50	Moist	Excellent	ForestMixed
104487	02/07/2011	MarkHiggins	576582	7058694	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	C	60	Moist	Excellent	ForestMixed
104488	02/07/2011	MarkHiggins	576615	7058648	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	C	40	Moist	Excellent	ForestMixed
104489	02/07/2011	MarkHiggins	576638	7058610	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	C	50	Moist	Excellent	ForestMixed
104491	02/07/2011	MarkHiggins	576679	7058575	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	C	52	Moist	Excellent	ForestMixed
104492	02/07/2011	MarkHiggins	576682	7058529	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	C	50	Moist	Excellent	ForestMixed
104493	02/07/2011	MarkHiggins	576710	7058482	UTMZ7N WGS84	Colluvium	BrownLight	Sand	ModerateW	C	50	Moist	Excellent	ForestMixed
104494	02/07/2011	MarkHiggins	576731	7058444	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104495	02/07/2011	MarkHiggins	576762	7058388	UTMZ7N WGS84	Colluvium	Brown	Sand		C	40	Moist	Excellent	ForestMixed
104496	02/07/2011	MarkHiggins	576794	7058353	UTMZ7N WGS84	Colluvium	Brown	Sand		C	50	Moist	Excellent	ForestMixed
104497	02/07/2011	MarkHiggins	576814	7058313	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	4	Moist	Excellent	ForestMixed
104498	02/07/2011	MarkHiggins	576840	7058267	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104499	02/07/2011	MarkHiggins	576872	7058232	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	30	Moist	Excellent	ForestMixed
104500	02/07/2011	MarkHiggins	576887	7058180	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
104501	02/07/2011	MarkHiggins	576906	7058131	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
104502	02/07/2011	MarkHiggins	576938	7058097	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	60		Good	ForestBirch
104503	02/07/2011	MarkHiggins	576955	7058051	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	70		Good	ForestBirch
104504	02/07/2011	MarkHiggins	576996	7058006	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104505	02/07/2011	MarkHiggins	577027	7057961	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
104506	02/07/2011	MarkHiggins	577020	7057902	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104507	02/07/2011	MarkHiggins	577063	7057858	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104508	02/07/2011	MarkHiggins	577111	7057821	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
104509	03/07/2011	MarkHiggins	577182	7058711	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104510	03/07/2011	MarkHiggins	577163	7058825	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	60		Excellent	BurnOld
104511	03/07/2011	MarkHiggins	577161	7058956	UTMZ7N WGS84	Colluvium	BrownLight	Sand			50	Moist	Excellent	ForestMixed
104512	03/07/2011	MarkHiggins	577125	7059083	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104513	03/07/2011	MarkHiggins	577033	7059158	UTMZ7N WGS84	Colluvium	Brown	Sand		C	50	Moist	Excellent	ForestMixed
104514	03/07/2011	MarkHiggins	576934	7059202	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
104515	03/07/2011	MarkHiggins	576800	7059243	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	30	Moist	Excellent	ForestMixed
104516	03/07/2011	MarkHiggins	576713	7059317	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Dry	Excellent	ForestMixed
104517	03/07/2011	MarkHiggins	576661	7059392	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104518	03/07/2011	MarkHiggins	576599	7059473	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
104519	03/07/2011	MarkHiggins	576581	7059563	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
104520	03/07/2011	MarkHiggins	576516	7059638	UTMZ7N WGS84	Colluvium	BrownLight	Sand		B	40	Moist	Good	ForestMixed
104521	03/07/2011	MarkHiggins	576496	7059748	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
104522	03/07/2011	MarkHiggins	576438	7059812	UTMZ7N WGS84	Colluvium	BrownLight	Sand		B	40	Moist	Good	ForestMixed
104523	03/07/2011	MarkHiggins	576359	7059879	UTMZ7N WGS84	Colluvium	BrownLight	Sand		B	40	Moist	Good	ForestMixed
104524	03/07/2011	MarkHiggins	576325	7059909	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104525	03/07/2011	MarkHiggins	576243	7059986	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104526	03/07/2011	MarkHiggins	576166	7060038	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104527	03/07/2011	MarkHiggins	575991	7060192	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	80	Moist	Excellent	ForestMixed
104528	03/07/2011	MarkHiggins	575897	7060258	UTMZ7N WGS84	Alluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104529	03/07/2011	MarkHiggins	575738	7060392	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
104530	04/07/2011	MarkHiggins	572002	7061085	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
104531	04/07/2011	MarkHiggins	572124	7061052	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
104532	04/07/2011	MarkHiggins	572205	7061062	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
104533	04/07/2011	MarkHiggins	572315	7061053	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104534	04/07/2011	MarkHiggins	572411	7061016	UTMZ7N WGS84	Colluvium	Blue	Sand		C	50	Moist	Excellent	ForestMixed
104535	04/07/2011	MarkHiggins	572501	7061007	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
104536	04/07/2011	MarkHiggins	572613	7060966	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104537	04/07/2011	MarkHiggins	572700	7060948	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
104538	04/07/2011	MarkHiggins	572803	7060946	UTMZ7N WGS84	Colluvium	Blue	Sand		C	40	Moist	Excellent	ForestMixed
104539	04/07/2011	MarkHiggins	572913	7060901	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
104540	04/07/2011	MarkHiggins	572848	7060819	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
104541	04/07/2011	MarkHiggins	572802	7060790	UTMZ7N WGS84	Colluvium	Brown	Sand		C	50	Moist	Excellent	ForestMixed
104542	04/07/2011	MarkHiggins	572739	7060728	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
104543	04/07/2011	MarkHiggins	573003	7060950	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104544	04/07/2011	MarkHiggins	573090	7061014	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104545	04/07/2011	MarkHiggins	573192	7061107	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104546	04/07/2011	MarkHiggins	573293	7061148	UTMZ7N WGS84	Colluvium	Brown	Sand		C	40	Moist	Excellent	ForestMixed
104547	04/07/2011	MarkHiggins	573352	7061237	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104548	04/07/2011	MarkHiggins	573402	7061152	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104549	04/07/2011	MarkHiggins	573452	7061072	UTMZ7N WGS84	Colluvium	Blue	Sand		C	60	Moist	Excellent	ForestMixed
104550	04/07/2011	MarkHiggins	573488	7060973	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104551	04/07/2011	MarkHiggins	573518	7060882	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104552	04/07/2011	MarkHiggins	573544	7060787	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
104553	04/07/2011	MarkHiggins	573576	7060679	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
104554	04/07/2011	MarkHiggins	573660	7060564	UTMZ7N WGS84	Colluvium	Blue	Sand		C	50	Moist	Excellent	ForestMixed
104555	04/07/2011	MarkHiggins	573675	7060463	UTMZ7N WGS84	Colluvium	BrownLight	Sand		B	60	Moist	Excellent	ForestMixed
104556	04/07/2011	MarkHiggins	573731	7060416	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
104557	04/07/2011	MarkHiggins	573773	7060340	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
104558	04/07/2011	MarkHiggins	573835	7060265	UTMZ7N WGS84	Colluvium	Blue	Sand		C	60	Moist	Excellent	ForestMixed
104559	04/07/2011	MarkHiggins	573883	7060160	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104560	04/07/2011	MarkHiggins	573923	7060072	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
104561	04/07/2011	MarkHiggins	573980	7059998	UTMZ7N WGS84	Colluvium	Blue	Sand		B	50	Moist	Good	ForestMixed
104562	04/07/2011	MarkHiggins	573997	7059955	UTMZ7N WGS84	Colluvium	Brown	Sand		B	50	Moist	Excellent	ForestMixed
104563	04/07/2011	MarkHiggins	574063	7059820	UTMZ7N WGS84	Colluvium	Blue	Sand		C	50	Moist	Good	ForestMixed
104564	05/07/2011	MarkHiggins	566368	7069700	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
104565	05/07/2011	MarkHiggins	566329	7069703	UTMZ7N WGS84	Colluvium	BrownLight	Sand		C	60	Moist	Excellent	ForestPine



## Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
104566	05/07/2011	MarkHiggins	566283	7069737	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	70		Good	ForestBirch
104567	05/07/2011	MarkHiggins	566233	7069743	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	40		Good	ForestBirch
104568	05/07/2011	MarkHiggins	566184	7069758	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	ForestBirch
104569	05/07/2011	MarkHiggins	566144	7069780	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	90		Good	ForestBirch
104570	05/07/2011	MarkHiggins	566105	7069806	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	40		Good	ForestWhiteSpruce
104571	05/07/2011	MarkHiggins	566052	7069817	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	B	60		Good	ForestWhiteSpruce
104572	05/07/2011	MarkHiggins	566003	7069842	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	50		Good	ForestBirch
104573	05/07/2011	MarkHiggins	565946	7069840	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	70		Good	ForestBirch
104574	05/07/2011	MarkHiggins	565912	7069872	UTMZ7N WGS84	Colluvium	BrownDark		Moderate	B	70	Frozen	Poor	ForestBlackSpruce
104575	05/07/2011	MarkHiggins	565863	7069890	UTMZ7N WGS84	Colluvium	BrownDark		Moderate	B	50	Frozen	Good	ForestBlackSpruce
104576	05/07/2011	MarkHiggins	565824	7069920	UTMZ7N WGS84	Colluvium	BrownDark		Moderate	C	70	Frozen	Excellent	ForestBlackSpruce
104577	05/07/2011	MarkHiggins	565778	7069946	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBlackSpruce
104578	05/07/2011	MarkHiggins	565737	7069973	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBlackSpruce
104579	05/07/2011	MarkHiggins	565700	7070013	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
104580	05/07/2011	MarkHiggins	565661	7070031	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	70		Poor	BurnOld
104581	05/07/2011	MarkHiggins	565606	7070062	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	70	Wet	Poor	BurnOld
104582	05/07/2011	MarkHiggins	565583	7070095	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
104583	05/07/2011	MarkHiggins	565541	7070124	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
104584	05/07/2011	MarkHiggins	565503	7070145	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
104585	05/07/2011	MarkHiggins	565453	7070192	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
104586	05/07/2011	MarkHiggins	565405	7070209	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
104587	05/07/2011	MarkHiggins	565365	7070252	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
104588	05/07/2011	MarkHiggins	565307	7070277	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBirch
104589	05/07/2011	MarkHiggins	565240	7070321	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestMixed
104591	05/07/2011	MarkHiggins	565214	7070351	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	ForestWhiteSpruce
104592	05/07/2011	MarkHiggins	565171	7070384	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestWhiteSpruce
104593	05/07/2011	MarkHiggins	565125	7070401	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestWhiteSpruce
104594	05/07/2011	MarkHiggins	565074	7070424	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
104595	05/07/2011	MarkHiggins	565034	7070462	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
104596	05/07/2011	MarkHiggins	564995	7070491	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestMixed
104597	05/07/2011	MarkHiggins	564994	7070541	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestMixed
104598	05/07/2011	MarkHiggins	564956	7070581	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestBlackSpruce
104599	05/07/2011	MarkHiggins	564913	7070623	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBlackSpruce
104600	05/07/2011	MarkHiggins	564895	7070667	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
104601	05/07/2011	MarkHiggins	564840	7070741	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	DrainageBrush
104602	05/07/2011	MarkHiggins	564807	7070786	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	DrainageBrush
104603	05/07/2011	MarkHiggins	564760	7070901	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBlackSpruce
105424	30/06/2011	JoeyTaylor	579922	7053378	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
105425	30/06/2011	JoeyTaylor	579943	7053320	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
105426	30/06/2011	JoeyTaylor	579953	7053280	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
105427	30/06/2011	JoeyTaylor	579992	7053192	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	30		Poor	BurnOld
105428	30/06/2011	JoeyTaylor	580092	7052962	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
105429	30/06/2011	JoeyTaylor	580117	7052919	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
105430	30/06/2011	JoeyTaylor	580135	7052869	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
105431	30/06/2011	JoeyTaylor	580165	7052823	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
105432	30/06/2011	JoeyTaylor	580171	7052776	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
105433	30/06/2011	JoeyTaylor	580197	7052739	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
105434	30/06/2011	JoeyTaylor	580221	7052689	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
105435	30/06/2011	JoeyTaylor	580286	7052501	UTMZ7N WGS84	Colluvium	BrownLight	Clay	Moderate	C	70		Poor	BurnOld
105436	30/06/2011	JoeyTaylor	580271	7052439	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	60		Good	BurnOld
105437	30/06/2011	JoeyTaylor	580289	7052396	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
105438	30/06/2011	JoeyTaylor	580284	7052350	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	60		Good	BurnOld
105439	30/06/2011	JoeyTaylor	580297	7052302	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
105441	30/06/2011	JoeyTaylor	580289	7052245	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	70		Good	BurnOld
105442	30/06/2011	JoeyTaylor	580287	7052207	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	60		Good	BurnOld
105443	30/06/2011	JoeyTaylor	580297	7052148	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	40		Poor	BurnOld
105444	30/06/2011	JoeyTaylor	580304	7052094	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	40		Good	ForestAspen
105445	30/06/2011	JoeyTaylor	580284	7052052	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	50		Good	BurnOld
105446	30/06/2011	JoeyTaylor	580310	7051997	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
105447	30/06/2011	JoeyTaylor	580323	7051954	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
105448	30/06/2011	Joey Taylor	580325	7051881	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Good	BurnOld
105449	30/06/2011	Joey Taylor	580359	7051824	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	60	Wet	Good	BurnOld
105451	01/07/2011	Joey Taylor	578679	7055133	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Good	BurnOld
105452	01/07/2011	Joey Taylor	578616	7055046	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	40		Good	BurnOld
105453	01/07/2011	Joey Taylor	578569	7054958	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	40		Excellent	BurnOld
105454	01/07/2011	Joey Taylor	578521	7054877	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	90		Excellent	BurnOld
105455	01/07/2011	Joey Taylor	578470	7054773	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
105456	01/07/2011	Joey Taylor	578428	7054683	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	60		Good	ForestWhiteSpruce
105457	01/07/2011	Joey Taylor	578255	7054577	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	60		Good	ForestWhiteSpruce
105458	01/07/2011	Joey Taylor	578217	7054487	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	40		Poor	ForestWhiteSpruce
105459	01/07/2011	Joey Taylor	578142	7054412	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestWhiteSpruce
105460	01/07/2011	Joey Taylor	578131	7054365	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Steep	C	60		Poor	ForestWhiteSpruce
105461	01/07/2011	Joey Taylor	578090	7054317	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Steep	B	50		Poor	ForestWhiteSpruce
105462	01/07/2011	Joey Taylor	578053	7054288	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Steep	C	60		Poor	ForestWhiteSpruce
105463	01/07/2011	Joey Taylor	578019	7054252	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Steep	C	60		Poor	ForestWhiteSpruce
105464	01/07/2011	Joey Taylor	577983	7054216	UTMZ7N WGS84	Colluvium	Green	Sand	Steep	C	40		Good	ForestWhiteSpruce
105465	01/07/2011	Joey Taylor	577939	7054180	UTMZ7N WGS84	Colluvium	Green	Sand	Steep	C	60		Good	ForestBirch
105466	01/07/2011	Joey Taylor	577916	7054151	UTMZ7N WGS84	Colluvium	Green	Sand	Steep	C	80		Good	ForestBirch
105467	01/07/2011	Joey Taylor	577886	7054096	UTMZ7N WGS84	Colluvium	Green	Sand	Steep	C	60		Good	ForestBirch
105468	01/07/2011	Joey Taylor	577838	7054073	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Steep	C	50		Poor	ForestBirch
105469	01/07/2011	Joey Taylor	577800	7054044	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	50		Good	ForestBirch
105470	01/07/2011	Joey Taylor	577755	7054036	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBirch
105471	01/07/2011	Joey Taylor	577727	7053988	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	50		Good	ForestBirch
105472	01/07/2011	Joey Taylor	577685	7053956	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	60		Good	ForestBirch
105473	01/07/2011	Joey Taylor	577635	7053923	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	60		Good	BurnOld
105474	01/07/2011	Joey Taylor	577584	7053928	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	60		Good	BurnOld
105475	01/07/2011	Joey Taylor	577533	7053934	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	60		Good	BurnOld
105476	01/07/2011	Joey Taylor	577479	7053949	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBirch
105477	01/07/2011	Joey Taylor	577437	7053961	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBirch
105478	01/07/2011	Joey Taylor	577378	7053962	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	80		Good	ForestWhiteSpruce
105479	02/07/2011	Joey Taylor	576065	7058720	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	50		Good	ForestWhiteSpruce
105480	02/07/2011	Joey Taylor	576130	7058803	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Steep	C	60		Good	ForestWhiteSpruce
105481	02/07/2011	Joey Taylor	576208	7058929	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Steep	B	70		Poor	ForestWhiteSpruce
105482	02/07/2011	Joey Taylor	576277	7059063	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Steep	C	60		Good	ForestWhiteSpruce
105483	02/07/2011	Joey Taylor	576326	7059053	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Steep	C	60		Poor	ForestWhiteSpruce
105484	02/07/2011	Joey Taylor	576385	7058982	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Steep	C	60		Poor	ForestWhiteSpruce
105485	02/07/2011	Joey Taylor	576445	7058899	UTMZ7N WGS84	Colluvium	Grey	Sand	Flat	C	70		Good	ForestWhiteSpruce
105486	02/07/2011	Joey Taylor	576486	7058811	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
105487	02/07/2011	Joey Taylor	576491	7058742	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
105488	02/07/2011	Joey Taylor	576454	7058699	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestWhiteSpruce
105489	02/07/2011	Joey Taylor	576409	7058646	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestWhiteSpruce
105491	02/07/2011	Joey Taylor	576386	7058607	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestWhiteSpruce
105492	02/07/2011	Joey Taylor	576349	7058582	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Good	ForestWhiteSpruce
105493	02/07/2011	Joey Taylor	576325	7058541	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestWhiteSpruce
105494	02/07/2011	Joey Taylor	576292	7058375	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestWhiteSpruce
105495	02/07/2011	Joey Taylor	576304	7058325	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestWhiteSpruce
105496	02/07/2011	Joey Taylor	576315	7058216	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	ForestWhiteSpruce
105497	02/07/2011	Joey Taylor	576329	7058174	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestWhiteSpruce
105498	02/07/2011	Joey Taylor	576344	7058122	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	ForestWhiteSpruce
105499	02/07/2011	Joey Taylor	576352	7058076	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60	Frozen	Good	DrainageAlder
105500	02/07/2011	Joey Taylor	576355	7058027	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30	Wet	Good	ForestBirch
105501	02/07/2011	Joey Taylor	576367	7057976	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	ForestBirch
105502	02/07/2011	Joey Taylor	576402	7057934	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestBirch
105503	02/07/2011	Joey Taylor	576430	7057888	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestBirch
105504	02/07/2011	Joey Taylor	576449	7057847	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestBirch
105505	02/07/2011	Joey Taylor	576473	7057805	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestBirch
105506	02/07/2011	Joey Taylor	576486	7057756	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestBirch
105507	02/07/2011	Joey Taylor	576506	7057708	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestBirch
105508	02/07/2011	Joey Taylor	576539	7057667	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestBirch
105509	03/07/2011	Joey Taylor	576555	7057623	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
105510	02/07/2011	Joey Taylor	576579	7057586	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestWhiteSpruce
105511	03/07/2011	Joey Taylor	573371	7061288	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestWhiteSpruce
105512	03/07/2011	Joey Taylor	573403	7061365	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestWhiteSpruce
105513	03/07/2011	Joey Taylor	573429	7061462	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestAspen
105514	03/07/2011	Joey Taylor	573443	7061560	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	ForestAspen
105515	03/07/2011	Joey Taylor	573475	7061649	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	ForestAspen
105516	03/07/2011	Joey Taylor	573565	7061696	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Steep	C	30		Good	ForestWhiteSpruce
105517	03/07/2011	Joey Taylor	573645	7061735	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
105518	03/07/2011	Joey Taylor	573741	7061774	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
105519	03/07/2011	Joey Taylor	573845	7061810	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	50		Good	BurnOld
105520	03/07/2011	Joey Taylor	573928	7061859	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
105521	03/07/2011	Joey Taylor	574019	7061883	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	DrainageBrush
105522	03/07/2011	Joey Taylor	574111	7061920	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	DrainageBrush
105523	03/07/2011	Joey Taylor	574211	7061968	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	DrainageBrush
105524	03/07/2011	Joey Taylor	574271	7061882	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBlackSpruce
105525	03/07/2011	Joey Taylor	574266	7061781	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Good	ForestBlackSpruce
105526	03/07/2011	Joey Taylor	574289	7061680	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	B	20		Good	ForestBlackSpruce
105527	03/07/2011	Joey Taylor	574340	7061592	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	B	40		Good	ForestBlackSpruce
105528	03/07/2011	Joey Taylor	574398	7061499	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Good	ForestBlackSpruce
105529	03/07/2011	Joey Taylor	574392	7061415	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Good	ForestBlackSpruce
105530	03/07/2011	Joey Taylor	574425	7061311	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Excellent	ForestBlackSpruce
105531	03/07/2011	Joey Taylor	574434	7061232	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Excellent	ForestBlackSpruce
105532	03/07/2011	Joey Taylor	574493	7061120	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	ForestAspen
105533	03/07/2011	Joey Taylor	574511	7061017	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	ForestBlackSpruce
105534	03/07/2011	Joey Taylor	574512	7060935	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBlackSpruce
105535	03/07/2011	Joey Taylor	574539	7060828	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBlackSpruce
105536	03/07/2011	Joey Taylor	574563	7060738	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	30	Wet	Poor	ForestBlackSpruce
105537	03/07/2011	Joey Taylor	574601	7060639	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	40		Good	ForestBlackSpruce
105538	03/07/2011	Joey Taylor	574645	7060558	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	40		Good	ForestBlackSpruce
105539	03/07/2011	Joey Taylor	574711	7060471	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	30		Poor	ForestBirch
105541	03/07/2011	Joey Taylor	574749	7060378	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	20		Poor	ForestBirch
105542	05/07/2011	Joey Taylor	572217	7063468	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	30		Good	ForestBirch
105543	04/07/2011	Joey Taylor	572258	7063463	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	40		Good	ForestBirch
105544	04/07/2011	Joey Taylor	572298	7063442	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	40		Good	ForestBirch
105545	04/07/2011	Joey Taylor	572343	7063399	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Good	ForestBlackSpruce
105546	04/07/2011	Joey Taylor	572387	7063384	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	40		Good	ForestBlackSpruce
105547	04/07/2011	Joey Taylor	572430	7063363	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	60		Good	ForestBlackSpruce
105548	04/07/2011	Joey Taylor	572492	7063383	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	70		Poor	ForestBlackSpruce
105549	04/07/2011	Joey Taylor	572538	7063340	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	110	Wet	Poor	BurnOld
105550	04/07/2011	Joey Taylor	572593	7063315	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	80	Wet	Poor	BurnOld
105551	04/07/2011	Joey Taylor	572637	7063308	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Good	BurnOld
105552	04/07/2011	Joey Taylor	572676	7063297	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
105553	04/07/2011	Joey Taylor	572727	7063291	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
105554	04/07/2011	Joey Taylor	572833	7063291	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	80		Good	BurnOld
105555	04/07/2011	Joey Taylor	572887	7063282	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Good	ForestWhiteSpruce
105556	04/07/2011	Joey Taylor	572568	7063279	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	80		Good	ForestWhiteSpruce
105557	04/07/2011	Joey Taylor	572542	7063253	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	100		Excellent	ForestWhiteSpruce
105558	04/07/2011	Joey Taylor	572512	7063221	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	70		Good	ForestWhiteSpruce
105559	04/07/2011	Joey Taylor	572479	7063185	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	80		Good	ForestWhiteSpruce
105560	04/07/2011	Joey Taylor	572431	7063164	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Excellent	ForestWhiteSpruce
105561	04/07/2011	Joey Taylor	572359	7063107	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	70		Good	ForestWhiteSpruce
105562	04/07/2011	Joey Taylor	572305	7063064	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	70		Good	ForestWhiteSpruce
105563	05/07/2011	Joey Taylor	572293	7063033	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	80		Good	ForestWhiteSpruce
105564	04/07/2011	Joey Taylor	572264	7062983	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	70		Good	ForestWhiteSpruce
105565	04/07/2011	Joey Taylor	572219	7062964	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	ForestWhiteSpruce
105566	04/07/2011	Joey Taylor	572194	7062927	UTMZ7N WGS84	Colluvium	Black	Clay	Moderate	C	60	Wet	Poor	ForestWhiteSpruce
105567	04/07/2011	Joey Taylor	572137	7062907	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	ForestWhiteSpruce
105568	04/07/2011	Joey Taylor	572099	7062869	UTMZ7N WGS84	Colluvium	Blue	Sand	Moderate	C	90	Wet	Good	ForestWhiteSpruce
105569	04/07/2011	Joey Taylor	572053	7062841	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	ForestBirch
105570	04/07/2011	Joey Taylor	572014	7062823	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	50		Good	ForestBirch

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
105571	04/07/2011	Joey Taylor	571999	7062769	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	50		Good	ForestBirch
105572	04/07/2011	Joey Taylor	571980	7062718	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Good	ForestBirch
105573	04/07/2011	Joey Taylor	571957	7062682	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Good	ForestBirch
105574	04/07/2011	Joey Taylor	571916	7062626	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	80		Good	ForestBirch
105575	04/07/2011	Joey Taylor	571897	7062595	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	60		Good	ForestBirch
105576	04/07/2011	Joey Taylor	571880	7062543	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	90		Good	ForestBlackSpruce
105577	05/07/2011	Joey Taylor	566854	7068739	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	80		Excellent	ForestBlackSpruce
105578	05/07/2011	Joey Taylor	566893	7068772	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Good	ForestBlackSpruce
105579	05/07/2011	Joey Taylor	566926	7068804	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	100		Good	ForestBlackSpruce
105580	05/07/2011	Joey Taylor	566962	7068848	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestWhiteSpruce
105581	05/07/2011	Joey Taylor	567004	7068881	UTMZ7N WGS84	Colluvium	Black	Silt	Steep	C	5		Excellent	ForestMixed
105582	05/07/2011	Joey Taylor	567047	7068897	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	5		Excellent	ForestWhiteSpruce
105583	05/07/2011	Joey Taylor	567077	7068941	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestWhiteSpruce
105584	05/07/2011	Joey Taylor	567110	7068980	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	60		Poor	DrainageBrush
105585	05/07/2011	Joey Taylor	567148	7069005	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	B	80		Poor	ForestBlackSpruce
105586	05/07/2011	Joey Taylor	567182	7069051	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	B	70	Wet	Poor	ForestBlackSpruce
105587	05/07/2011	Joey Taylor	567222	7069088	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	50	Frozen	Poor	DrainageBrush
105588	05/07/2011	Joey Taylor	567267	7069113	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	60	Frozen	Poor	ForestBlackSpruce
105589	05/07/2011	Joey Taylor	567294	7069145	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	90	Frozen	Poor	ForestBlackSpruce
105591	05/07/2011	Joey Taylor	567334	7069188	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Good	ForestBlackSpruce
105592	05/07/2011	Joey Taylor	567366	7069223	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50	Wet	Good	ForestBlackSpruce
105593	05/07/2011	Joey Taylor	567399	7069254	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	60	Wet	Poor	ForestBlackSpruce
105594	05/07/2011	Joey Taylor	567443	7069290	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	70	Wet	Good	ForestWhiteSpruce
105595	05/07/2011	Joey Taylor	567948	7069189	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestWhiteSpruce
105596	05/07/2011	Joey Taylor	567949	7069137	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	80		Excellent	ForestBlackSpruce
105597	05/07/2011	Joey Taylor	567966	7069091	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestWhiteSpruce
105598	05/07/2011	Joey Taylor	567969	7069037	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	ForestWhiteSpruce
105599	05/07/2011	Joey Taylor	567978	7068984	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestWhiteSpruce
105600	05/07/2011	Joey Taylor	567986	7068934	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Good	ForestBlackSpruce
105601	05/07/2011	Joey Taylor	567990	7068883	UTMZ7N WGS84	Colluvium	Orange	Sand	Moderate	C	50		Excellent	ForestBlackSpruce
105602	05/07/2011	Joey Taylor	567991	7068840	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestWhiteSpruce
105603	05/07/2011	Joey Taylor	568000	7068779	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestWhiteSpruce
105604	05/07/2011	Joey Taylor	567997	7068729	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Good	ForestWhiteSpruce
105605	05/07/2011	Joey Taylor	567997	7068690	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBlackSpruce
105606	05/07/2011	Joey Taylor	568004	7068644	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	70		Good	ForestBlackSpruce
105607	05/07/2011	Joey Taylor	568021	7068587	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	B	90		Poor	ForestBlackSpruce
105608	05/07/2011	Joey Taylor	568019	7068537	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	70		Poor	ForestBlackSpruce
105609	05/07/2011	Joey Taylor	568031	7068486	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	70	Wet	Good	BurnOld
105610	05/07/2011	Joey Taylor	568036	7068433	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
105611	05/07/2011	Joey Taylor	568046	7068387	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	80		Good	BurnOld
105612	05/07/2011	Joey Taylor	568066	7068348	UTMZ7N WGS84	Colluvium	Orange	Silt	Moderate	C	90		Excellent	BurnOld
105613	05/07/2011	Joey Taylor	568093	7068303	UTMZ7N WGS84	Colluvium	Orange	Silt	Moderate	C	60		Excellent	BurnOld
105614	05/07/2011	Joey Taylor	568101	7068251	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
105615	05/07/2011	Joey Taylor	568118	7068210	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
105616	05/07/2011	Joey Taylor	568120	7068158	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
107472	30/06/2011	Randy Campbell	581008	7054766	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
107473	30/06/2011	Randy Campbell	580863	7055143	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
107474	30/06/2011	Randy Campbell	580225	7055417	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
107475	30/06/2011	Randy Campbell	580141	7055486	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
107476	30/06/2011	Randy Campbell	580087	7055510	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
107477	30/06/2011	Randy Campbell	580043	7055531	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
107478	30/06/2011	Randy Campbell	580008	7055546	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
107479	30/06/2011	Randy Campbell	579962	7055567	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
107480	02/07/2011	Randy Campbell	576006	7058645	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
107481	02/07/2011	Randy Campbell	575938	7058567	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	80		Good	BurnOld
107482	02/07/2011	Randy Campbell	575902	7058523	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
107483	02/07/2011	Randy Campbell	575878	7058485	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	60		Excellent	BurnOld
107484	02/07/2011	Randy Campbell	575804	7058415	UTMZ7N WGS84	Colluvium	Orange	Sand	Moderate	C	70		Excellent	BurnOld
107485	02/07/2011	Randy Campbell	575789	7058370	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Good	BurnOld
107486	02/07/2011	Randy Campbell	575748	7058333	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	BurnOld

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
107487	02/07/2011	RandyCampbell	575724	7058295	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestWhiteSpruce
107488	02/07/2011	RandyCampbell	575693	7058259	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	50		Excellent	BurnOld
107489	02/07/2011	RandyCampbell	575662	7058210	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
107491	02/07/2011	RandyCampbell	575685	7058179	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
107492	02/07/2011	RandyCampbell	575707	7058142	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestAspen
107493	02/07/2011	RandyCampbell	575706	7058091	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestAspen
107494	02/07/2011	RandyCampbell	575736	7058045	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
107495	02/07/2011	RandyCampbell	575775	7058003	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
107496	02/07/2011	RandyCampbell	575813	7057970	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	80		Good	BurnOld
107497	02/07/2011	RandyCampbell	575846	7057928	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	70		Excellent	BurnOld
107498	02/07/2011	RandyCampbell	575875	7057896	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
107499	02/07/2011	RandyCampbell	575914	7057865	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
107500	02/07/2011	RandyCampbell	575976	7057790	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
107501	02/07/2011	RandyCampbell	576006	7057736	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	100		Good	BurnOld
107502	02/07/2011	RandyCampbell	576020	7057704	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
107503	02/07/2011	RandyCampbell	576046	7057648	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	90	Wet	Good	BurnOld
107504	02/07/2011	RandyCampbell	576065	7057614	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	70	Wet	Good	BurnOld
107505	02/07/2011	RandyCampbell	576090	7057565	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	80	Wet	Poor	BurnOld
107506	02/07/2011	RandyCampbell	576111	7057517	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	90	Frozen	Poor	BurnOld
107507	02/07/2011	RandyCampbell	576134	7057485	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	A	80	Frozen	Poor	BurnOld
107508	02/07/2011	RandyCampbell	576157	7057428	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Flat	B	70		Good	BurnOld
107509	02/07/2011	RandyCampbell	576177	7057383	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Flat	B	70		Good	BurnOld
107510	02/07/2011	RandyCampbell	576199	7057340	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	70		Excellent	BurnOld
107511	02/07/2011	RandyCampbell	576219	7057292	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
107512	03/07/2011	RandyCampbell	577777	7059728	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
107513	03/07/2011	RandyCampbell	577555	7059600	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	20		Good	BurnOld
107514	03/07/2011	RandyCampbell	577429	7059528	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	30		Good	BurnOld
107515	03/07/2011	RandyCampbell	577180	7059465	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Poor	BurnOld
107516	03/07/2011	RandyCampbell	577023	7059474	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Poor	BurnOld
107517	03/07/2011	RandyCampbell	576856	7059463	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	40		Good	BurnOld
107518	03/07/2011	RandyCampbell	576751	7059424	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	40		Good	BurnOld
107519	03/07/2011	RandyCampbell	576537	7059342	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
107520	03/07/2011	RandyCampbell	576471	7059271	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	40		Good	BurnOld
107521	03/07/2011	RandyCampbell	576412	7059183	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
107522	03/07/2011	RandyCampbell	576198	7059153	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
107523	03/07/2011	RandyCampbell	576012	7059216	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
107524	03/07/2011	RandyCampbell	575922	7059257	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
107525	03/07/2011	RandyCampbell	575835	7059318	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	BurnOld
107526	03/07/2011	RandyCampbell	575522	7059626	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
107527	03/07/2011	RandyCampbell	575465	7059715	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
107528	03/07/2011	RandyCampbell	575409	7059977	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
107529	03/07/2011	RandyCampbell	575352	7060073	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
107530	03/07/2011	RandyCampbell	575303	7060177	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
107531	04/07/2011	RandyCampbell	571963	7061076	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	40		Excellent	ForestAspen
107532	04/07/2011	RandyCampbell	572055	7061062	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	50		Excellent	ForestAspen
107533	04/07/2011	RandyCampbell	572162	7061059	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	40		Good	ForestAspen
107534	04/07/2011	RandyCampbell	572252	7061067	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestAspen
107535	04/07/2011	RandyCampbell	572355	7061045	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestBlackSpruce
107536	04/07/2011	RandyCampbell	572455	7061018	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	40		Excellent	ForestBlackSpruce
107537	04/07/2011	RandyCampbell	572552	7060997	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	BurnOld
107538	04/07/2011	RandyCampbell	572655	7060968	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	50		Excellent	ForestAspen
107539	04/07/2011	RandyCampbell	572752	7060943	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestAspen
107540	04/07/2011	RandyCampbell	572840	7060921	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestAspen
107541	04/07/2011	RandyCampbell	572880	7060845	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
107542	04/07/2011	RandyCampbell	572772	7060766	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
107543	04/07/2011	RandyCampbell	572960	7060917	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
107544	04/07/2011	RandyCampbell	573041	7060977	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestMixed
107545	04/07/2011	RandyCampbell	573125	7061034	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	DrainageBrush
107546	04/07/2011	RandyCampbell	573151	7061071	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	DrainageBrush
107547	04/07/2011	RandyCampbell	573229	7061129	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	90		Good	DrainageBrush

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
107548	04/07/2011	RandyCampbell	573310	7061193	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	DrainageBrush
107549	04/07/2011	RandyCampbell	573394	7061200	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	DrainageBrush
107550	04/07/2011	RandyCampbell	573432	7061112	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	DrainageBrush
107551	04/07/2011	RandyCampbell	573464	7061022	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
107552	04/07/2011	RandyCampbell	573494	7060923	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
107553	04/07/2011	RandyCampbell	573536	7060831	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBirch
107554	04/07/2011	RandyCampbell	573549	7060727	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBirch
107555	04/07/2011	RandyCampbell	573608	7060637	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestBirch
107556	04/07/2011	RandyCampbell	573622	7060590	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestBirch
107557	04/07/2011	RandyCampbell	573682	7060519	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	ForestBirch
107558	04/07/2011	RandyCampbell	573749	7060385	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestBirch
107559	04/07/2011	RandyCampbell	573793	7060299	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestWhiteSpruce
107560	04/07/2011	RandyCampbell	573848	7060206	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
107561	04/07/2011	RandyCampbell	573886	7060124	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
107562	04/07/2011	RandyCampbell	573940	7060032	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	70		Excellent	BurnOld
107563	04/07/2011	RandyCampbell	574015	7059901	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	60		Excellent	BurnOld
107564	04/07/2011	RandyCampbell	574050	7059863	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	80		Excellent	BurnOld
107565	04/07/2011	RandyCampbell	574090	7059772	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	70		Excellent	ForestWhiteSpruce
107566	05/07/2011	RandyCampbell	566803	7069102	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	100		Excellent	BurnOld
107567	05/07/2011	RandyCampbell	566809	7069056	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	50		Good	ForestWhiteSpruce
107568	05/07/2011	RandyCampbell	566826	7068955	UTMZ7N WGS84	Colluvium	Black	Sand	Flat	C	50		Good	ForestWhiteSpruce
107569	05/07/2011	RandyCampbell	566824	7068857	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
107570	05/07/2011	RandyCampbell	566822	7068760	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
107571	05/07/2011	RandyCampbell	566768	7068682	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	80		Good	ForestBirch
107572	05/07/2011	RandyCampbell	566675	7068681	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
107573	05/07/2011	RandyCampbell	566571	7068706	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	ForestWhiteSpruce
107574	05/07/2011	RandyCampbell	566466	7068723	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Steep	C	80		Good	ForestWhiteSpruce
107575	05/07/2011	RandyCampbell	566385	7068740	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	40		Good	ForestWhiteSpruce
107576	05/07/2011	RandyCampbell	566276	7068757	UTMZ7N WGS84	Colluvium	Grey	Sand	Flat	C	50		Good	ForestWhiteSpruce
107577	05/07/2011	RandyCampbell	566163	7068760	UTMZ7N WGS84	Colluvium	Black	Sand	Flat	C	50	Frozen	Poor	ForestBlackSpruce
107578	05/07/2011	RandyCampbell	566082	7068761	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	50		Good	ForestBlackSpruce
107579	05/07/2011	RandyCampbell	565988	7068791	UTMZ7N WGS84	Colluvium	Grey	Clay	Flat	C	60		Poor	BurnOld
107580	05/07/2011	RandyCampbell	565947	7068829	UTMZ7N WGS84	Colluvium	Grey	Clay	Flat	C	60	Wet	Poor	BurnOld
107581	05/07/2011	RandyCampbell	565907	7068855	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	90		Good	BurnOld
107582	05/07/2011	RandyCampbell	565879	7068893	UTMZ7N WGS84	Colluvium	Grey	Clay	Flat	C	90	Wet	Poor	BurnOld
107583	05/07/2011	RandyCampbell	565841	7068930	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	70		Excellent	BurnOld
107584	05/07/2011	RandyCampbell	565813	7068957	UTMZ7N WGS84	Colluvium	Black	Sand	Moderate	C	70		Excellent	BurnOld
107585	05/07/2011	RandyCampbell	565774	7068999	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestBirch
107586	05/07/2011	RandyCampbell	565725	7069022	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestWhiteSpruce
107587	05/07/2011	RandyCampbell	565696	7069054	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestWhiteSpruce
107588	05/07/2011	RandyCampbell	565297	7069242	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70	Wet	Good	ForestBirch
107589	05/07/2011	RandyCampbell	565239	7069240	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
107590	05/07/2011	RandyCampbell	565193	7069239	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
107591	05/07/2011	RandyCampbell	565139	7069230	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Steep	C	40		Good	BurnOld
107592	05/07/2011	RandyCampbell	565094	7069210	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	90		Excellent	BurnOld
107593	05/07/2011	RandyCampbell	565049	7069198	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	70		Excellent	BurnOld
107594	05/07/2011	RandyCampbell	564993	7069190	UTMZ7N WGS84	Colluvium	Black	Clay	Moderate	C	70	Wet	Poor	BurnOld
107595	05/07/2011	RandyCampbell	564951	7069177	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBirch
108624	01/07/2011	BenDubois	579521	7055297	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	50		Good	ForestBirch
108625	01/07/2011	BenDubois	579426	7055295	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	50		Good	BurnOld
108626	01/07/2011	BenDubois	579323	7055296	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	40		Poor	BurnOld
108627	01/07/2011	BenDubois	579213	7055294	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
108628	01/07/2011	BenDubois	579130	7055296	UTMZ7N WGS84	Colluvium	Black	Sand	Moderate	C	50		Good	BurnOld
108629	01/07/2011	BenDubois	579028	7055307	UTMZ7N WGS84	Colluvium	Black	Clay	Moderate	C	60	Wet	Good	ForestBirch
108630	01/07/2011	BenDubois	578930	7055319	UTMZ7N WGS84	Alluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBirch
108631	01/07/2011	BenDubois	578826	7055269	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	100		Excellent	ForestBirch
108632	01/07/2011	BenDubois	578740	7055192	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	50		Good	ForestBirch
108633	01/07/2011	BenDubois	578725	7055096	UTMZ7N WGS84	Soil	Black	Sand	Moderate	C	80		Excellent	ForestBirch
108634	01/07/2011	BenDubois	578713	7055047	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	50		Good	ForestBirch
108635	01/07/2011	BenDubois	578727	7054991	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	50		Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
108636	01/07/2011	BenDubois	578704	7054946	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
108637	01/07/2011	BenDubois	578724	7054900	UTMZ7N WGS84	Colluvium	Black	Clay	Flat	C	100	Wet	Poor	ForestWhiteSpruce
108638	01/07/2011	BenDubois	578716	7054841	UTMZ7N WGS84	Colluvium	Black	Clay	Flat	C	90	Wet	Good	BurnOld
108639	01/07/2011	BenDubois	578723	7054794	UTMZ7N WGS84	Colluvium	Black	Clay	Flat	C	100	Wet	Poor	BurnOld
108641	01/07/2011	BenDubois	578713	7054739	UTMZ7N WGS84	Soil	Black	Clay	Moderate	C	100	Wet	Good	BurnOld
108642	01/07/2011	BenDubois	578715	7054699	UTMZ7N WGS84	Soil	BrownDark	Clay	Moderate	C	70		Poor	ForestBlackSpruce
108643	01/07/2011	BenDubois	578720	7054651	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	60		Good	BurnOld
108644	01/07/2011	BenDubois	578711	7054597	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
108645	01/07/2011	BenDubois	578717	7054545	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
108646	01/07/2011	BenDubois	578708	7054491	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
108647	01/07/2011	BenDubois	578692	7054438	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	40		Good	BurnOld
108648	01/07/2011	BenDubois	578702	7054387	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
108649	01/07/2011	BenDubois	578692	7054354	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
108650	01/07/2011	BenDubois	578716	7054297	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
108651	01/07/2011	BenDubois	578710	7054254	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
108652	01/07/2011	BenDubois	578693	7054196	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	40		Good	BurnOld
108653	01/07/2011	BenDubois	578701	7054151	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
108654	02/07/2011	BenDubois	578377	7054769	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
108655	02/07/2011	BenDubois	578315	7054772	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
108656	02/07/2011	BenDubois	578270	7054778	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
108657	02/07/2011	BenDubois	578222	7054785	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
108658	02/07/2011	BenDubois	578176	7054787	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
108659	02/07/2011	BenDubois	578127	7054800	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
108660	02/07/2011	BenDubois	578083	7054777	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
108661	02/07/2011	BenDubois	578023	7054774	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	90		Excellent	BurnOld
108662	02/07/2011	BenDubois	577980	7054780	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
108663	02/07/2011	BenDubois	577919	7054787	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	50		Excellent	BurnOld
108664	02/07/2011	BenDubois	577866	7054781	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
108665	02/07/2011	BenDubois	577827	7054778	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
108666	02/07/2011	BenDubois	577768	7054780	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
108667	02/07/2011	BenDubois	577728	7054776	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	90		Excellent	BurnOld
108668	02/07/2011	BenDubois	577681	7054783	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
108669	02/07/2011	BenDubois	577629	7054776	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
108670	02/07/2011	BenDubois	577561	7054790	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	70	Frozen	Poor	BurnOld
108671	02/07/2011	BenDubois	577503	7054798	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
108672	02/07/2011	BenDubois	577467	7054836	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
108673	02/07/2011	BenDubois	577434	7054848	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
108674	02/07/2011	BenDubois	577388	7054873	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100	Wet	Poor	BurnOld
108675	02/07/2011	BenDubois	577341	7054855	UTMZ7N WGS84	Alluvium	BrownDark	Sand	Moderate	C	60	Wet	Poor	ForestBlackSpruce
108676	02/07/2011	BenDubois	577290	7054843	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80	Wet	Good	ForestBlackSpruce
108677	02/07/2011	BenDubois	577238	7054837	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
108678	02/07/2011	BenDubois	577186	7054843	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	100	Wet	Poor	BurnOld
108679	02/07/2011	BenDubois	577144	7054842	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	80	Wet	Poor	BurnOld
108680	02/07/2011	BenDubois	577094	7054842	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	80	Wet	Poor	BurnOld
108681	02/07/2011	BenDubois	577039	7054836	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBlackSpruce
108682	02/07/2011	BenDubois	576992	7054839	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBlackSpruce
108683	02/07/2011	BenDubois	576943	7054835	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestBlackSpruce
108684	02/07/2011	BenDubois	576883	7054822	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBlackSpruce
108685	02/07/2011	BenDubois	576841	7054806	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	ForestBlackSpruce
108686	02/07/2011	BenDubois	576790	7054788	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	90		Good	ForestBirch
108687	02/07/2011	BenDubois	576740	7054776	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBirch
108688	02/07/2011	BenDubois	576692	7054782	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	ForestBirch
108689	02/07/2011	BenDubois	576649	7054765	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	C	100		Good	ForestWhiteSpruce
108691	02/07/2011	BenDubois	576603	7054743	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100	Wet	Good	ForestWhiteSpruce
108692	02/07/2011	BenDubois	576544	7054753	UTMZ7N WGS84	Soil	RustyRed	Sand	Moderate	C	80		Good	ForestWhiteSpruce
108694	03/07/2011	BenDubois	575020	7057915	UTMZ7N WGS84	Soil	RustyRed	Sand	Moderate	C	60		Good	ForestWhiteSpruce
108695	03/07/2011	BenDubois	574978	7057880	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	70		Good	ForestBirch
108696	03/07/2011	BenDubois	574939	7057858	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBirch
108697	03/07/2011	BenDubois	574900	7057830	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	ForestBirch
108698	03/07/2011	BenDubois	574843	7057800	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBirch

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
108699	03/07/2011	BenDubois	574812	7057765	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Good	ForestWhiteSpruce
108700	03/07/2011	BenDubois	574777	7057742	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	50		Good	BurnOld
108701	03/07/2011	BenDubois	574738	7057708	UTMZ7N WGS84	Colluvium	Yellow	Silt	Moderate	C	60		Good	BurnOld
108702	03/07/2011	BenDubois	574697	7057689	UTMZ7N WGS84	Colluvium	Green	Silt	Moderate	C	90		Excellent	ForestWhiteSpruce
108703	03/07/2011	BenDubois	574657	7057656	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Good	ForestWhiteSpruce
108704	03/07/2011	BenDubois	574618	7057619	UTMZ7N WGS84	Soil	BrownDark	Silt	Moderate	C	70		Good	ForestWhiteSpruce
108705	03/07/2011	BenDubois	574570	7057592	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	80		Good	ForestWhiteSpruce
108706	03/07/2011	BenDubois	574527	7057564	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Steep	C	60		Good	ForestWhiteSpruce
108707	03/07/2011	BenDubois	574484	7057531	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Steep	C	70		Good	ForestWhiteSpruce
108708	03/07/2011	BenDubois	574442	7057496	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Steep	C	70		Good	ForestWhiteSpruce
108709	03/07/2011	BenDubois	574385	7057476	UTMZ7N WGS84	Colluvium	Yellow	Silt	Moderate	C	50		Good	ForestWhiteSpruce
108710	03/07/2011	BenDubois	574346	7057449	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	80		Good	BurnOld
108711	03/07/2011	BenDubois	574312	7057422	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Good	ForestAspen
108712	03/07/2011	BenDubois	574271	7057404	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Steep	C	60		Good	ForestAspen
108713	03/07/2011	BenDubois	574234	7057372	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Steep	C	60		Good	ForestAspen
108714	03/07/2011	BenDubois	574179	7057365	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Flat	C	70		Good	ForestWhiteSpruce
108715	03/07/2011	BenDubois	574134	7057321	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Flat	C	70	Frozen	Poor	ForestWhiteSpruce
108716	03/07/2011	BenDubois	574085	7057302	UTMZ7N WGS84	Colluvium	Grey	Silt	Flat	C	50	Frozen	Poor	ForestWhiteSpruce
108717	03/07/2011	BenDubois	574050	7057274	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	90	Wet	Good	ForestWhiteSpruce
108718	03/07/2011	BenDubois	574009	7057255	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	90	Frozen	Poor	BurnOld
108719	03/07/2011	BenDubois	573959	7057222	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	B	70	Frozen	Poor	BurnOld
108720	04/07/2011	BenDubois	573479	7061698	UTMZ7N WGS84	Soil	BrownLight	Silt	Moderate	C	60	Frozen	Good	BurnOld
108721	04/07/2011	BenDubois	573433	7061721	UTMZ7N WGS84	Soil	BrownLight	Silt	Moderate	C	60		Good	BurnOld
108722	04/07/2011	BenDubois	573378	7061731	UTMZ7N WGS84	Soil	RustyRed	Silt	Moderate	C	50		Good	BurnOld
108723	04/07/2011	BenDubois	573330	7061736	UTMZ7N WGS84	Soil	RustyRed	Sand	Moderate	C	50		Good	BurnOld
108724	04/07/2011	BenDubois	573274	7061742	UTMZ7N WGS84	Soil	RustyRed	Sand	Moderate	C	60		Good	BurnOld
108725	04/07/2011	BenDubois	573216	7061760	UTMZ7N WGS84	Soil	RustyRed	Sand	Moderate	C	50		Good	BurnOld
108726	04/07/2011	BenDubois	573175	7061776	UTMZ7N WGS84	Soil	RustyRed	Sand	Moderate	C	60		Good	BurnOld
108727	04/07/2011	BenDubois	573139	7061796	UTMZ7N WGS84	Soil	RustyRed	Sand	Moderate	C	70		Good	BurnOld
108728	04/07/2011	BenDubois	573102	7061812	UTMZ7N WGS84	Soil	RustyRed	Sand	Moderate	C	60		Good	BurnOld
108729	04/07/2011	BenDubois	573053	7061806	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Good	BurnOld
108730	04/07/2011	BenDubois	572993	7061833	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Good	BurnOld
108731	04/07/2011	BenDubois	572951	7061836	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	80		Good	BurnOld
108732	04/07/2011	BenDubois	572892	7061849	UTMZ7N WGS84	Soil	RustyRed	Silt	Moderate	C	60		Good	BurnOld
108733	04/07/2011	BenDubois	572840	7061854	UTMZ7N WGS84	Colluvium	Orange	Silt	Moderate	C	70		Good	BurnOld
108734	04/07/2011	BenDubois	572782	7061858	UTMZ7N WGS84	Soil	RustyOrange	Silt	Moderate	C	80		Good	BurnOld
108735	04/07/2011	BenDubois	572739	7061856	UTMZ7N WGS84	Colluvium	RustyOrange	Silt	Moderate	C	70	Frozen	Excellent	BurnOld
108736	04/07/2011	BenDubois	572710	7061904	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	70		Good	BurnOld
108737	04/07/2011	BenDubois	572658	7061892	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Good	BurnOld
108738	04/07/2011	BenDubois	572594	7061890	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Good	BurnOld
108739	04/07/2011	BenDubois	572541	7061892	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	80		Excellent	BurnOld
108741	04/07/2011	BenDubois	572490	7061917	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	70		Excellent	BurnOld
108742	04/07/2011	BenDubois	572449	7061947	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	90		Excellent	BurnOld
108743	04/07/2011	BenDubois	572403	7061927	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	70		Excellent	BurnOld
108744	04/07/2011	BenDubois	572345	7061920	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	90		Excellent	BurnOld
108745	04/07/2011	BenDubois	572290	7061926	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	70		Good	BurnOld
108746	04/07/2011	BenDubois	572260	7061955	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	80		Good	BurnOld
108747	04/07/2011	BenDubois	572212	7061974	UTMZ7N WGS84	Soil	RustyRed	Silt	Moderate	C	80		Excellent	BurnOld
108748	04/07/2011	BenDubois	572166	7061977	UTMZ7N WGS84	Soil	BrownDark	Clay	Moderate	C	70		Good	BurnOld
108749	04/07/2011	BenDubois	572105	7061974	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	70		Good	BurnOld
108750	04/07/2011	BenDubois	572058	7061958	UTMZ7N WGS84	Soil	BrownDark	Clay	Moderate	C	40		Good	BurnOld
108751	04/07/2011	BenDubois	571989	7061960	UTMZ7N WGS84	Lithosoil	BrownDark	Clay	Moderate	C	40		Good	BurnOld
108752	04/07/2011	BenDubois	571952	7061980	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	30		Good	BurnOld
108753	04/07/2011	BenDubois	571896	7061977	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
108754	04/07/2011	BenDubois	571856	7061976	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
108755	04/07/2011	BenDubois	571798	7062005	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	50		Good	BurnOld
108756	04/07/2011	BenDubois	571752	7062006	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	80		Good	BurnOld
108757	04/07/2011	BenDubois	571701	7061991	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBirch
108758	04/07/2011	BenDubois	571646	7061992	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBirch
108759	04/07/2011	BenDubois	571597	7061971	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	ForestBirch



Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
108760	04/07/2011	BenDubois	571550	7061990	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
108761	04/07/2011	BenDubois	571496	7062002	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
108762	04/07/2011	BenDubois	571449	7062002	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
108763	04/07/2011	BenDubois	571400	7062007	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
108764	04/07/2011	BenDubois	571350	7062020	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
108765	04/07/2011	BenDubois	571319	7062045	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	80		Excellent	BurnOld
108766	04/07/2011	BenDubois	571294	7062076	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	80		Good	ForestBlackSpruce
108767	05/07/2011	BenDubois	570476	7066111	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	60		Excellent	ForestAspen
108768	05/07/2011	BenDubois	570446	7066133	UTMZ7N WGS84	Colluvium	Grey	Silt	Steep	C	80		Good	ForestAspen
108769	05/07/2011	BenDubois	570396	7066177	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	80		Good	ForestAspen
108770	05/07/2011	BenDubois	570364	7066214	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestAspen
108771	05/07/2011	BenDubois	570327	7066256	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestBlackSpruce
108772	05/07/2011	BenDubois	570296	7066280	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBlackSpruce
108773	05/07/2011	BenDubois	570259	7066314	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestAspen
108774	05/07/2011	BenDubois	570219	7066357	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	60		Good	ForestAspen
108775	05/07/2011	BenDubois	570179	7066384	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestBlackSpruce
108776	05/07/2011	BenDubois	570137	7066403	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestAspen
108777	05/07/2011	BenDubois	570088	7066428	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	90		Excellent	ForestAspen
108778	05/07/2011	BenDubois	570036	7066463	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	80		Good	ForestPine
108779	05/07/2011	BenDubois	569996	7066499	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	40		Good	ForestMixed
108780	05/07/2011	BenDubois	569983	7066549	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	60		Good	ForestPine
108781	05/07/2011	BenDubois	569943	7066571	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBlackSpruce
108782	05/07/2011	BenDubois	569908	7066619	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	ForestBlackSpruce
108783	05/07/2011	BenDubois	569880	7066662	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBlackSpruce
108784	05/07/2011	BenDubois	569847	7066692	UTMZ7N WGS84	Soil	Grey	Sand	Moderate	C	80		Good	ForestBlackSpruce
108785	05/07/2011	BenDubois	569812	7066715	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	90		Good	ForestBlackSpruce
108786	05/07/2011	BenDubois	569778	7066743	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	90		Good	ForestBlackSpruce
108787	05/07/2011	BenDubois	569742	7066766	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
108788	05/07/2011	BenDubois	569700	7066802	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Excellent	BurnOld
108789	05/07/2011	BenDubois	569670	7066831	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
108791	05/07/2011	BenDubois	569637	7066871	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
108792	05/07/2011	BenDubois	569593	7066886	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
108793	05/07/2011	BenDubois	569554	7066931	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
108794	05/07/2011	BenDubois	568995	7067615	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
108795	05/07/2011	BenDubois	568983	7067667	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
108796	05/07/2011	BenDubois	568972	7067714	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
108797	05/07/2011	BenDubois	568971	7067778	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	70	Frozen	Poor	BurnOld
108798	05/07/2011	BenDubois	568959	7067822	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	70	Frozen	Poor	ForestBlackSpruce
108799	05/07/2011	BenDubois	568951	7067870	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	60	Frozen	Poor	ForestBlackSpruce
108800	05/07/2011	BenDubois	568936	7067917	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	60	Frozen	Poor	ForestBlackSpruce
108801	05/07/2011	BenDubois	568929	7067962	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	70		Good	ForestBlackSpruce
108802	05/07/2011	BenDubois	568903	7068023	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	50		Good	ForestBlackSpruce
108803	05/07/2011	BenDubois	568905	7068072	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	80		Good	ForestBirch
108804	05/07/2011	BenDubois	568895	7068111	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	70		Good	ForestBirch
108805	05/07/2011	BenDubois	568887	7068159	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	80		Good	ForestBirch
108806	05/07/2011	BenDubois	568874	7068208	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60	Wet	Good	ForestBirch
108807	05/07/2011	BenDubois	568857	7068263	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	ForestBirch
108808	05/07/2011	BenDubois	568841	7068309	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBirch
108809	05/07/2011	BenDubois	568831	7068359	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBirch
109435	30/06/2011	IanLauzon	580398	7053900	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBirch
109436	30/06/2011	IanLauzon	580285	7053807	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestMixed
109437	30/06/2011	IanLauzon	580206	7053735	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestMixed
109438	30/06/2011	IanLauzon	580351	7053779	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestMixed
109439	30/06/2011	IanLauzon	580348	7053683	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
109441	30/06/2011	IanLauzon	580357	7053634	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBlackSpruce
109442	30/06/2011	IanLauzon	580360	7053577	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBlackSpruce
109443	30/06/2011	IanLauzon	580375	7053538	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBlackSpruce
109444	30/06/2011	IanLauzon	580394	7053335	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBlackSpruce
109445	30/06/2011	IanLauzon	580410	7053290	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109446	30/06/2011	IanLauzon	580418	7053239	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	90		Excellent	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
109447	30/06/2011	IanLauzon	580430	7053190	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
109448	30/06/2011	IanLauzon	580434	7053139	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	90	Wet	Poor	BurnOld
109449	30/06/2011	IanLauzon	580440	7053091	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	110	Wet	Good	BurnOld
109450	30/06/2011	IanLauzon	580446	7053035	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	70	Wet	Good	BurnOld
109451	30/06/2011	IanLauzon	580469	7052991	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
109452	30/06/2011	IanLauzon	580472	7052937	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	90		Good	BurnOld
109453	30/06/2011	IanLauzon	580494	7052883	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
109454	30/06/2011	IanLauzon	580502	7052841	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
109455	30/06/2011	IanLauzon	580473	7052742	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
109457	01/07/2011	IanLauzon	578634	7055097	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	50		Good	BurnOld
109458	01/07/2011	IanLauzon	578588	7055005	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	ForestBlackSpruce
109459	01/07/2011	IanLauzon	578546	7054920	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	110		Excellent	BurnOld
109460	01/07/2011	IanLauzon	578497	7054834	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	80	Wet	Good	BurnOld
109461	01/07/2011	IanLauzon	578469	7054730	UTMZ7N WGS84	Lithosoil	Grey	Sand	Moderate	C	50	Frozen	Good	BurnOld
109462	01/07/2011	IanLauzon	578379	7054659	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
109463	01/07/2011	IanLauzon	578286	7054612	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
109464	01/07/2011	IanLauzon	578227	7054533	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
109465	01/07/2011	IanLauzon	578181	7054439	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
109466	01/07/2011	IanLauzon	578175	7054389	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
109467	01/07/2011	IanLauzon	578180	7054317	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
109468	01/07/2011	IanLauzon	578167	7054273	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
109469	01/07/2011	IanLauzon	578145	7054227	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
109470	01/07/2011	IanLauzon	578146	7054165	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
109471	01/07/2011	IanLauzon	578100	7054017	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
109472	01/07/2011	IanLauzon	578085	7053979	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
109473	01/07/2011	IanLauzon	578070	7053911	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
109474	01/07/2011	IanLauzon	578066	7053877	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Poor	BurnOld
109475	01/07/2011	IanLauzon	578048	7053835	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
109476	01/07/2011	IanLauzon	578029	7053790	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70	Wet	Good	BurnOld
109477	01/07/2011	IanLauzon	578035	7053734	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
109478	01/07/2011	IanLauzon	578051	7053680	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
109479	01/07/2011	IanLauzon	578031	7053640	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
109480	01/07/2011	IanLauzon	578002	7053612	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
109481	01/07/2011	IanLauzon	577980	7053606	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
109482	02/07/2011	IanLauzon	578355	7055802	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109483	02/07/2011	IanLauzon	578305	7055786	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
109484	02/07/2011	IanLauzon	578122	7055773	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
109485	02/07/2011	IanLauzon	578020	7055754	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109486	02/07/2011	IanLauzon	577910	7055744	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
109487	02/07/2011	IanLauzon	577715	7055692	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109488	02/07/2011	IanLauzon	577612	7055678	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
109489	02/07/2011	IanLauzon	577534	7055662	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
109490	02/07/2011	IanLauzon	577427	7055626	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109491	02/07/2011	IanLauzon	577335	7055620	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
109492	02/07/2011	IanLauzon	577231	7055610	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	ForestAspen
109493	02/07/2011	IanLauzon	577129	7055607	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
109494	02/07/2011	IanLauzon	577028	7055597	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	ForestBlackSpruce
109495	02/07/2011	IanLauzon	576934	7055614	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBlackSpruce
109496	02/07/2011	IanLauzon	576850	7055665	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBlackSpruce
109497	02/07/2011	IanLauzon	576747	7055707	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	70		Good	ForestBlackSpruce
109498	02/07/2011	IanLauzon	576655	7055711	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestBlackSpruce
109499	02/07/2011	IanLauzon	576543	7055725	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
109500	02/07/2011	IanLauzon	576442	7055738	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	60		Good	BurnOld
109501	02/07/2011	IanLauzon	576299	7055669	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
109502	02/07/2011	IanLauzon	576253	7055673	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	40		Excellent	BurnOld
109503	02/07/2011	IanLauzon	576159	7055651	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
109504	02/07/2011	IanLauzon	576039	7055613	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
109505	02/07/2011	IanLauzon	575967	7055559	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
109506	02/07/2011	IanLauzon	575887	7055523	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
109507	02/07/2011	IanLauzon	576355	7055751	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld

## Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
109508	02/07/2011	IanLauzon	576249	7055900	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
109509	02/07/2011	IanLauzon	576199	7055981	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
109510	02/07/2011	IanLauzon	576122	7056067	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
109511	02/07/2011	IanLauzon	576037	7056106	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	ForestBlackSpruce
109512	02/07/2011	IanLauzon	575947	7056143	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
109513	02/07/2011	IanLauzon	575831	7056167	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
109514	02/07/2011	IanLauzon	575741	7056168	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
109515	02/07/2011	IanLauzon	575631	7056158	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
109516	02/07/2011	IanLauzon	575521	7056157	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
109517	02/07/2011	IanLauzon	575381	7056198	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100		Good	BurnOld
109518	03/07/2011	IanLauzon	575782	7059343	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70	Frozen	Good	ForestBlackSpruce
109519	03/07/2011	IanLauzon	575719	7059418	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	60	Frozen	Poor	ForestBlackSpruce
109520	03/07/2011	IanLauzon	575612	7059445	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBlackSpruce
109521	03/07/2011	IanLauzon	575553	7059525	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestBlackSpruce
109522	03/07/2011	IanLauzon	575446	7059467	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestBlackSpruce
109523	03/07/2011	IanLauzon	575347	7059417	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
109524	03/07/2011	IanLauzon	575241	7059392	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestMixed
109525	03/07/2011	IanLauzon	575157	7059455	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
109526	03/07/2011	IanLauzon	575070	7059513	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
109527	03/07/2011	IanLauzon	574967	7059536	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	50		Good	BurnOld
109528	03/07/2011	IanLauzon	574863	7059549	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
109529	03/07/2011	IanLauzon	574789	7059617	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Excellent	BurnOld
109530	03/07/2011	IanLauzon	574737	7059695	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
109531	03/07/2011	IanLauzon	575122	7059425	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
109532	03/07/2011	IanLauzon	575030	7059376	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
109533	03/07/2011	IanLauzon	574963	7059311	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
109534	03/07/2011	IanLauzon	574881	7059264	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
109535	03/07/2011	IanLauzon	574791	7059213	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
109536	03/07/2011	IanLauzon	574704	7059188	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
109537	03/07/2011	IanLauzon	574599	7059183	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
109538	03/07/2011	IanLauzon	574494	7059179	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	80		Excellent	BurnOld
109539	03/07/2011	IanLauzon	574400	7059172	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	90	Wet	Excellent	BurnOld
109541	03/07/2011	IanLauzon	574298	7059195	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	ForestBirch
109542	03/07/2011	IanLauzon	574218	7059171	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
109543	04/07/2011	IanLauzon	572670	7060587	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50	Wet	Poor	BurnOld
109544	04/07/2011	IanLauzon	572607	7060495	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
109545	04/07/2011	IanLauzon	572577	7060404	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109546	04/07/2011	IanLauzon	572519	7060325	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109547	04/07/2011	IanLauzon	572452	7060228	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109548	04/07/2011	IanLauzon	572424	7060143	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
109549	04/07/2011	IanLauzon	572491	7060073	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
109550	04/07/2011	IanLauzon	572559	7060010	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
109551	04/07/2011	IanLauzon	572649	7059985	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
109552	04/07/2011	IanLauzon	572725	7059904	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109553	04/07/2011	IanLauzon	572837	7059860	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109554	04/07/2011	IanLauzon	572912	7059812	UTMZ7N WGS84	Colluvium	Orange	Sand	Moderate	C	90		Excellent	BurnOld
109555	04/07/2011	IanLauzon	572976	7059743	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
109556	04/07/2011	IanLauzon	573033	7059665	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestWhiteSpruce
109557	04/07/2011	IanLauzon	573025	7059575	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestWhiteSpruce
109558	04/07/2011	IanLauzon	573000	7059557	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	ForestWhiteSpruce
109559	04/07/2011	IanLauzon	572953	7059529	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	50		Excellent	BurnOld
109560	04/07/2011	IanLauzon	573117	7059551	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
109561	04/07/2011	IanLauzon	573179	7059567	UTMZ7N WGS84		BrownLight	Sand	Moderate	C	110		Excellent	BurnOld
109562	04/07/2011	IanLauzon	573209	7059578	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	60		Excellent	BurnOld
109563	04/07/2011	IanLauzon	573257	7059579	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109564	04/07/2011	IanLauzon	573298	7059576	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	30		Good	ForestAspen
109565	04/07/2011	IanLauzon	573352	7059578	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestWhiteSpruce
109566	04/07/2011	IanLauzon	573398	7059567	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Poor	ForestWhiteSpruce
109567	04/07/2011	IanLauzon	573452	7059561	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestBlackSpruce
109568	04/07/2011	IanLauzon	573499	7059561	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
109569	04/07/2011	IanLauzon	573545	7059566	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
109570	04/07/2011	IanLauzon	573596	7059537	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
109571	04/07/2011	IanLauzon	573644	7059532	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	110		Excellent	BurnOld
109572	04/07/2011	IanLauzon	573695	7059527	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109573	04/07/2011	IanLauzon	573747	7059512	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109574	04/07/2011	IanLauzon	573799	7059509	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109575	04/07/2011	IanLauzon	573849	7059506	UTMZ7N WGS84	Colluvium	Orange	Sand	Moderate	C	90		Excellent	BurnOld
109576	04/07/2011	IanLauzon	573898	7059488	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
109577	04/07/2011	IanLauzon	573952	7059478	UTMZ7N WGS84	Colluvium	Orange	Sand	Moderate	C	70		Excellent	BurnOld
109578	05/07/2011	IanLauzon	570656	7064989	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
109579	05/07/2011	IanLauzon	570652	7065038	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109580	05/07/2011	IanLauzon	570614	7065080	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
109581	05/07/2011	IanLauzon	570602	7065127	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109582	05/07/2011	IanLauzon	570574	7065171	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	110		Excellent	BurnOld
109583	05/07/2011	IanLauzon	570540	7065207	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
109584	05/07/2011	IanLauzon	570514	7065249	UTMZ7N WGS84	Regolith	BrownDark	Sand	Moderate	B	90		Good	BurnOld
109585	05/07/2011	IanLauzon	570494	7065294	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	70		Excellent	BurnOld
109586	05/07/2011	IanLauzon	570465	7065340	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
109587	05/07/2011	IanLauzon	570378	7065397	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
109588	05/07/2011	IanLauzon	570340	7065424	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
109589	05/07/2011	IanLauzon	570293	7065443	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
109591	05/07/2011	IanLauzon	570241	7065457	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109592	05/07/2011	IanLauzon	570196	7065487	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
109593	05/07/2011	IanLauzon	570155	7065516	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
109594	05/07/2011	IanLauzon	570114	7065534	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	40		Excellent	BurnOld
109595	05/07/2011	IanLauzon	570068	7065566	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Flat	C	70		Excellent	BurnOld
109596	05/07/2011	IanLauzon	570019	7065590	UTMZ7N WGS84	Regolith	BrownDark	Sand	Flat	C	70		Excellent	BurnOld
109597	05/07/2011	IanLauzon	569981	7065611	UTMZ7N WGS84	Colluvium	Grey	Sand	Flat	C	70		Excellent	BurnOld
109598	05/07/2011	IanLauzon	569935	7065630	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Flat	B	70		Good	ForestAspen
109599	05/07/2011	IanLauzon	569802	7065683	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestAspen
110338	05/07/2011	JoelDemers	570382	7063991	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	ForestAspen
110339	05/07/2011	JoelDemers	570415	7063956	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	60		Good	ForestAspen
110340	05/07/2011	JoelDemers	570475	7063931	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	60		Good	ForestAspen
110341	05/07/2011	JoelDemers	570523	7063919	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Excellent	ForestAspen
110342	05/07/2011	JoelDemers	570572	7063913	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Excellent	ForestAspen
110343	05/07/2011	JoelDemers	570598	7063876	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Good	ForestWhiteSpruce
110344	05/07/2011	JoelDemers	570670	7063886	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestWhiteSpruce
110345	05/07/2011	JoelDemers	570699	7063857	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	80		Excellent	ForestAspen
110346	05/07/2011	JoelDemers	570737	7063806	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	70		Excellent	ForestAspen
110347	05/07/2011	JoelDemers	570759	7063761	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	70		Excellent	ForestAspen
110348	05/07/2011	JoelDemers	570819	7063753	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	70		Excellent	ForestAspen
110349	05/07/2011	JoelDemers	570843	7063712	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	80		Excellent	ForestWhiteSpruce
110350	05/07/2011	JoelDemers	570905	7063709	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	80		Excellent	ForestWhiteSpruce
110351	05/07/2011	JoelDemers	570963	7063656	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	80		Excellent	ForestWhiteSpruce
110352	05/07/2011	JoelDemers	571018	7063629	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Good	ForestWhiteSpruce
110353	05/07/2011	JoelDemers	571045	7063589	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Excellent	ForestWhiteSpruce
110354	05/07/2011	JoelDemers	571051	7063552	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
110355	05/07/2011	JoelDemers	571031	7063493	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	70		Good	BurnOld
110356	05/07/2011	JoelDemers	571075	7063447	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
110357	05/07/2011	JoelDemers	571065	7063400	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	60		Good	BurnOld
110358	05/07/2011	JoelDemers	571059	7063353	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	10		Poor	BurnOld
110359	05/07/2011	JoelDemers	570282	7063998	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	40		Good	BurnOld
110360	05/07/2011	JoelDemers	570236	7063977	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
110361	05/07/2011	JoelDemers	570178	7063942	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Good	BurnOld
110362	05/07/2011	JoelDemers	570122	7063966	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
110363	05/07/2011	JoelDemers	570077	7063968	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
110364	05/07/2011	JoelDemers	570021	7063987	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Good	BurnOld
110365	05/07/2011	JoelDemers	569983	7063956	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
110366	05/07/2011	JoelDemers	569943	7063997	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
110367	05/07/2011	JoelDemers	569906	7064019	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld

## Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
110368	05/07/2011	JoelDemers	569841	7063984	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
110369	05/07/2011	JoelDemers	569801	7063951	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
110370	05/07/2011	JoelDemers	569744	7063952	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Good	DrainageBrush
110371	05/07/2011	JoelDemers	569685	7063931	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	DrainageBrush
110372	05/07/2011	JoelDemers	569618	7063906	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
110373	05/07/2011	JoelDemers	569560	7063896	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
110374	05/07/2011	JoelDemers	569494	7063856	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
111469	04/07/2011	JordanHarrington	570643	7064931	UTMZ7N WGS84	Lithosoil	BrownDark	Sand	Moderate	C	80		Good	DrainageBrush
111470	05/07/2011	JordanHarrington	570624	7064898	UTMZ7N WGS84	Soil	BrownDark	Sand	Moderate	C	60		Good	BurnOld
111471	05/07/2011	JordanHarrington	570598	7064835	UTMZ7N WGS84	Lithosoil	BrownDark	Sand	Moderate	C	80		Good	BurnOld
111472	05/07/2011	JordanHarrington	570588	7064797	UTMZ7N WGS84	Lithosoil	BrownDark	Sand	Moderate	C	70		Good	BurnOld
111473	05/07/2011	JordanHarrington	570576	7064748	UTMZ7N WGS84	Lithosoil	BrownDark	Sand	Moderate	C	80		Good	BurnOld
111474	05/07/2011	JordanHarrington	570542	7064695	UTMZ7N WGS84	Lithosoil	BrownDark	Sand	Moderate	C	70		Good	BurnOld
111475	05/07/2011	JordanHarrington	570538	7064643	UTMZ7N WGS84	Lithosoil	BrownDark	Sand	Moderate	C	50		Good	BurnOld
111476	05/07/2011	JordanHarrington	570487	7064608	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
111477	05/07/2011	JordanHarrington	570434	7064607	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
111478	05/07/2011	JordanHarrington	570386	7064591	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
111479	05/07/2011	JordanHarrington	570348	7064596	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
111480	05/07/2011	JordanHarrington	570290	7064560	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
111481	05/07/2011	JordanHarrington	570236	7064545	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
111482	05/07/2011	JordanHarrington	570190	7064534	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
111483	05/07/2011	JordanHarrington	570143	7064529	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
111484	05/07/2011	JordanHarrington	570095	7064528	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
111485	05/07/2011	JordanHarrington	570050	7064511	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
111486	05/07/2011	JordanHarrington	569994	7064497	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
111487	05/07/2011	JordanHarrington	569948	7064481	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
111488	05/07/2011	JordanHarrington	569899	7064461	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
111489	05/07/2011	JordanHarrington	569859	7064470	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
111491	05/07/2011	JordanHarrington	569810	7064434	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
111492	05/07/2011	JordanHarrington	569754	7064417	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
111493	05/07/2011	JordanHarrington	569714	7064407	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
111494	05/07/2011	JordanHarrington	569661	7064391	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
111495	05/07/2011	JordanHarrington	569619	7064389	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Good	BurnOld
111496	05/07/2011	JordanHarrington	569560	7064372	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	110		Good	BurnOld
111497	05/07/2011	JordanHarrington	569516	7064362	UTMZ7N WGS84	Colluvium	BrownDark	Gravel	Moderate	C	70		Good	BurnOld
111498	05/07/2011	JordanHarrington	569469	7064340	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
111499	05/07/2011	JordanHarrington	569429	7064325	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	50		Good	BurnOld
111500	05/07/2011	JordanHarrington	569376	7064298	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
111501	05/07/2011	JordanHarrington	569330	7064284	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	50		Good	BurnOld
111502	05/07/2011	JordanHarrington	569286	7064275	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	60		Good	BurnOld
111503	05/07/2011	JordanHarrington	569225	7064249	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
111504	05/07/2011	JordanHarrington	569180	7064247	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Excellent	BurnOld
112556	01/07/2011	MarkLam	580166	7053709	UTMZ7N WGS84	Lithosoil	BrownDark	Sand	Moderate	C	50		Good	BurnOld
112557	01/07/2011	MarkLam	580134	7053663	UTMZ7N WGS84	Lithosoil	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
112558	01/07/2011	MarkLam	580065	7053595	UTMZ7N WGS84	Lithosoil	BrownDark	Sand	Moderate	C	60		Good	BurnOld
112559	01/07/2011	MarkLam	580017	7053560	UTMZ7N WGS84	Lithosoil	Black	Sand	Moderate	C	60		Excellent	BurnOld
112560	01/07/2011	MarkLam	579963	7053561	UTMZ7N WGS84	Lithosoil	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
112561	01/07/2011	MarkLam	579871	7053570	UTMZ7N WGS84	Lithosoil	Black	Sand	Moderate	C	80		Excellent	BurnOld
112562	01/07/2011	MarkLam	579710	7053595	UTMZ7N WGS84	Lithosoil	Black	Clay	Moderate	C	90		Good	BurnOld
112563	01/07/2011	MarkLam	579634	7053598	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	90		Good	BurnOld
112564	01/07/2011	MarkLam	579570	7053615	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	70		Good	BurnOld
112565	01/07/2011	MarkLam	579390	7053648	UTMZ7N WGS84	Lithosoil	RustyRed	Sand	Moderate	C	70		Good	BurnOld
112566	01/07/2011	MarkLam	579335	7053678	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	70		Good	BurnOld
112567	01/07/2011	MarkLam	579284	7053692	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Excellent	BurnOld
112568	01/07/2011	MarkLam	579241	7053729	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	BurnOld
112569	01/07/2011	MarkLam	579195	7053723	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Excellent	BurnOld
112570	01/07/2011	MarkLam	579125	7053720	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
112571	01/07/2011	MarkLam	579087	7053724	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
112572	01/07/2011	MarkLam	579038	7053724	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
112573	01/07/2011	MarkLam	578877	7053768	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
112574	01/07/2011	MarkLam	578766	7053799	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	BurnOld
112575	01/07/2011	MarkLam	578711	7053825	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	BurnOld
112577	01/07/2011	MarkLam	578678	7053861	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Excellent	BurnOld
112579	02/07/2011	MarkLam	575566	7058183	UTMZ7N WGS84	Lithosoil	BrownDark	Sand	Moderate	C	50		Good	BurnOld
112580	02/07/2011	MarkLam	575515	7058160	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
112581	02/07/2011	MarkLam	575461	7058133	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	40		Good	BurnOld
112582	02/07/2011	MarkLam	575411	7058106	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
112583	02/07/2011	MarkLam	575364	7058079	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	50		Good	BurnOld
112585	02/07/2011	MarkLam	575295	7057533	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	50		Good	ForestAspen
112586	02/07/2011	MarkLam	575345	7057540	UTMZ7N WGS84	Lithosoil	BrownDark	Sand	Moderate	C	40		Good	ForestAspen
112587	02/07/2011	MarkLam	575399	7057557	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestAspen
112588	02/07/2011	MarkLam	575430	7057535	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestAspen
112589	02/07/2011	MarkLam	575482	7057518	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	50		Excellent	BurnOld
112590	02/07/2011	MarkLam	575524	7057514	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	50		Good	BurnOld
112592	02/07/2011	MarkLam	575570	7057482	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	50		Good	BurnOld
112593	02/07/2011	MarkLam	575589	7057439	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
112594	02/07/2011	MarkLam	575632	7057410	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	70	Wet	Good	BurnOld
112595	02/07/2011	MarkLam	575669	7057374	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
112596	02/07/2011	MarkLam	575713	7057355	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
112597	02/07/2011	MarkLam	575771	7057333	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
112598	02/07/2011	MarkLam	575799	7057301	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
112599	02/07/2011	MarkLam	575839	7057275	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	100	Wet	Poor	BurnOld
112600	02/07/2011	MarkLam	575885	7057230	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	100	Wet	Good	BurnOld
112601	02/07/2011	MarkLam	575932	7057200	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	B	110		Good	BurnOld
112602	02/07/2011	MarkLam	575972	7057153	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	110	Wet	Poor	BurnOld
112603	02/07/2011	MarkLam	576007	7057129	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	110	Wet	Good	BurnOld
112604	03/07/2011	MarkLam	575012	7057964	UTMZ7N WGS84	OrganicHumus	BrownDark		Moderate	B	100	Wet	Good	BurnOld
112605	03/07/2011	MarkLam	574967	7057957	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	100	Wet	Good	BurnOld
112606	03/07/2011	MarkLam	574894	7057991	UTMZ7N WGS84	Lithosoil	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
112607	03/07/2011	MarkLam	574864	7058004	UTMZ7N WGS84	Lithosoil	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
112608	03/07/2011	MarkLam	574813	7058011	UTMZ7N WGS84	Lithosoil	RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
112609	03/07/2011	MarkLam	574303	7058357	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	B	80	Wet	Good	BurnOld
112610	03/07/2011	MarkLam	574265	7058336	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	80	Wet	Good	BurnOld
112611	03/07/2011	MarkLam	574221	7058314	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	80	Wet	Good	BurnOld
112612	03/07/2011	MarkLam	574165	7058283	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70	Wet	Good	BurnOld
112613	03/07/2011	MarkLam	574129	7058274	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	70	Wet	Good	BurnOld
112614	03/07/2011	MarkLam	574084	7058274	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	70		Good	BurnOld
112615	03/07/2011	MarkLam	574042	7058230	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	70	Wet	Good	BurnOld
112616	03/07/2011	MarkLam	573998	7058205	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	70		Good	BurnOld
112617	03/07/2011	MarkLam	573947	7058177	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	100	Wet	Poor	BurnOld
112618	03/07/2011	MarkLam	573898	7058167	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	80		Excellent	BurnOld
112620	03/07/2011	MarkLam	573503	7057972	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
112621	03/07/2011	MarkLam	573433	7057954	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	70		Excellent	BurnOld
112622	03/07/2011	MarkLam	573403	7057922	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
112623	03/07/2011	MarkLam	573366	7057906	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
112624	03/07/2011	MarkLam	573350	7057885	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
115571	30/06/2011	NedaDokic	581246	7054700	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
115572	30/06/2011	NedaDokic	581340	7054691	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	70		Good	ForestWhiteSpruce
115573	30/06/2011	NedaDokic	581448	7054658	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	80		Good	BurnOld
115574	30/06/2011	NedaDokic	581618	7054580	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	80		Good	BurnOld
115575	30/06/2011	NedaDokic	581678	7054518	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	80		Good	BurnOld
115576	30/06/2011	NedaDokic	581661	7054459	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	70		Good	BurnOld
115577	30/06/2011	NedaDokic	582008	7054557	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	70		Good	BurnOld
115578	01/07/2011	NedaDokic	580000	7053494	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	70		Good	BurnOld
115579	01/07/2011	NedaDokic	579940	7053440	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	60		Good	BurnOld
115580	01/07/2011	NedaDokic	579895	7053402	UTMZ7N WGS84	Colluvium	Green	Clay	Moderate	C	60		Good	BurnOld
115581	01/07/2011	NedaDokic	579865	7053371	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	40		Good	BurnOld
115582	01/07/2011	NedaDokic	579834	7053335	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	50		Good	BurnOld
115583	01/07/2011	NedaDokic	579808	7053301	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	90		Poor	BurnOld
115584	01/07/2011	NedaDokic	579782	7053253	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	60		Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
115585	01/07/2011	NedaDokic	579756	7053215	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	70		Poor	BurnOld
115586	01/07/2011	NedaDokic	579734	7053174	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	60		Good	BurnOld
115587	01/07/2011	NedaDokic	579702	7053119	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	70		Poor	BurnOld
115588	01/07/2011	NedaDokic	579692	7053081	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	50		Poor	BurnOld
115589	01/07/2011	NedaDokic	579675	7053038	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	90		Poor	BurnOld
115590	01/07/2011	NedaDokic	579640	7052991	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	70		Good	BurnOld
115591	01/07/2011	NedaDokic	579603	7052889	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	90		Good	BurnOld
115592	01/07/2011	NedaDokic	579534	7052813	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	C	90		Poor	BurnOld
115593	01/07/2011	NedaDokic	579466	7052735	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	80		Good	BurnOld
115594	01/07/2011	NedaDokic	579409	7052650	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70	Wet	Poor	BurnOld
115595	01/07/2011	NedaDokic	579345	7052562	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	70	Wet	Poor	BurnOld
115596	01/07/2011	NedaDokic	579283	7052478	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	110		Poor	BurnOld
115597	01/07/2011	NedaDokic	579228	7052413	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	60		Good	BurnOld
115598	01/07/2011	NedaDokic	579140	7052303	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	60		Good	BurnOld
115599	01/07/2011	NedaDokic	578999	7052178	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	60		Good	BurnOld
115600	01/07/2011	NedaDokic	578922	7052094	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	60		Good	BurnOld
115601	01/07/2011	NedaDokic	578850	7051992	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Good	BurnOld
115602	01/07/2011	NedaDokic	578783	7051900	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	60		Good	BurnOld
115603	02/07/2011	NedaDokic	579608	7055376	UTMZ7N WGS84	Colluvium	Black	Clay	Moderate	B	70	Wet	Poor	BurnOld
115604	02/07/2011	NedaDokic	579536	7055599	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
115605	02/07/2011	NedaDokic	579510	7055686	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	90		Good	BurnOld
115606	02/07/2011	NedaDokic	579490	7055776	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
115607	02/07/2011	NedaDokic	579477	7055876	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
115608	02/07/2011	NedaDokic	579461	7055976	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
115609	02/07/2011	NedaDokic	579442	7056081	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
115610	02/07/2011	NedaDokic	579454	7056177	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
115611	02/07/2011	NedaDokic	579433	7056373	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	60		Good	BurnOld
115612	02/07/2011	NedaDokic	579431	7056474	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	70		Good	BurnOld
115613	02/07/2011	NedaDokic	579421	7056577	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
115614	02/07/2011	NedaDokic	579404	7056673	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
115615	02/07/2011	NedaDokic	579423	7056775	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	ForestWhiteSpruce
115616	02/07/2011	NedaDokic	579395	7056883	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
115617	02/07/2011	NedaDokic	579390	7056979	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
115618	02/07/2011	NedaDokic	579322	7057052	UTMZ7N WGS84	Colluvium	Black	Sand	Moderate	C	80		Excellent	BurnOld
115619	02/07/2011	NedaDokic	579244	7057108	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
115620	02/07/2011	NedaDokic	579168	7057176	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
115621	02/07/2011	NedaDokic	579084	7057235	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
115622	02/07/2011	NedaDokic	578998	7057297	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
115623	02/07/2011	NedaDokic	578928	7057355	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
115624	02/07/2011	NedaDokic	578854	7057444	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
115625	02/07/2011	NedaDokic	578798	7057525	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
115626	02/07/2011	NedaDokic	578714	7057578	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
115627	02/07/2011	NedaDokic	578625	7057628	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
115628	02/07/2011	NedaDokic	578306	7057879	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
116530	05/07/2011	JoshJudson	570351	7064013	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
116531	05/07/2011	JoshJudson	570378	7064067	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
116532	05/07/2011	JoshJudson	570395	7064109	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
116533	05/07/2011	JoshJudson	570423	7064145	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	100		Excellent	BurnOld
116534	05/07/2011	JoshJudson	570451	7064197	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	90		Excellent	BurnOld
116535	05/07/2011	JoshJudson	570473	7064225	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
116536	05/07/2011	JoshJudson	570488	7064275	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
116537	05/07/2011	JoshJudson	570532	7064384	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
116538	05/07/2011	JoshJudson	570569	7064452	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
116539	05/07/2011	JoshJudson	570565	7064499	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
116540	05/07/2011	JoshJudson	570550	7064553	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
116541	05/07/2011	JoshJudson	570549	7064605	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
116542	05/07/2011	JoshJudson	570584	7064608	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
116543	05/07/2011	JoshJudson	570606	7064587	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
116544	05/07/2011	JoshJudson	570663	7064555	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
116545	05/07/2011	JoshJudson	570694	7064531	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
116546	05/07/2011	JoshJudson	570741	7064501	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
116547	05/07/2011	JoshJudson	570774	7064468	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80	Wet	Good	BurnOld
116548	05/07/2011	JoshJudson	570807	7064419	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
116549	05/07/2011	JoshJudson	570849	7064384	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
116550	05/07/2011	JoshJudson	570887	7064359	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
116551	05/07/2011	JoshJudson	570916	7064329	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
116552	05/07/2011	JoshJudson	570945	7064288	UTMZ7N WGS84	Lithosoil	BrownDark	Sand	Moderate	C	70		Good	BurnOld
116553	05/07/2011	JoshJudson	570974	7064253	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
116554	05/07/2011	JoshJudson	571018	7064225	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
116555	05/07/2011	JoshJudson	571051	7064184	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
116556	05/07/2011	JoshJudson	571072	7064135	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
116557	05/07/2011	JoshJudson	571107	7064100	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
116558	05/07/2011	JoshJudson	571141	7064059	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
116559	05/07/2011	JoshJudson	571164	7064020	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80	Wet	Good	BurnOld
116560	05/07/2011	JoshJudson	571194	7063975	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70	Wet	Good	BurnOld
116561	05/07/2011	JoshJudson	571225	7063940	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
116562	05/07/2011	JoshJudson	571256	7063911	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
116563	05/07/2011	JoshJudson	571297	7063859	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
117574	30/06/2011	HugoGirard	580414	7053930	UTMZ7N WGS84	Regolith	BrownDark	Sand	Moderate	C	70	Wet	Good	BurnOld
117575	30/06/2011	HugoGirard	580490	7054068	UTMZ7N WGS84	Regolith	BrownDark	Sand	Moderate	C	80		Good	BurnOld
117576	30/06/2011	HugoGirard	580537	7054163	UTMZ7N WGS84	OrganicMoss	BrownDark	Sand	Moderate	B	90	Frozen	Poor	BurnOld
117577	30/06/2011	HugoGirard	580558	7054212	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
117578	30/06/2011	HugoGirard	580598	7054294	UTMZ7N WGS84	OrganicMoss	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
117579	30/06/2011	HugoGirard	580616	7054356	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
117580	30/06/2011	HugoGirard	580410	7054337	UTMZ7N WGS84	OrganicMoss	RustyRed	Sand	Moderate	C	50		Excellent	BurnOld
117581	30/06/2011	HugoGirard	580279	7054233	UTMZ7N WGS84	OrganicMoss	RustyRed	Clay	Moderate	B	60	Wet	Good	BurnOld
117582	30/06/2011	HugoGirard	580168	7054207	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
117583	30/06/2011	HugoGirard	580034	7054155	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	B	60	Wet	Good	BurnOld
117584	30/06/2011	HugoGirard	579948	7054131	UTMZ7N WGS84	OrganicMoss	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
117585	30/06/2011	HugoGirard	579855	7054101	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
117586	01/07/2011	HugoGirard	581936	7051239	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
117587	01/07/2011	HugoGirard	581976	7051201	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
117588	01/07/2011	HugoGirard	582005	7051165	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
117589	01/07/2011	HugoGirard	582042	7051127	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	60		Good	BurnOld
117591	01/07/2011	HugoGirard	582067	7051098	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
117592	01/07/2011	HugoGirard	582077	7051051	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60	Wet	Excellent	BurnOld
117593	01/07/2011	HugoGirard	582104	7050999	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
117594	01/07/2011	HugoGirard	582125	7050962	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	50		Excellent	BurnOld
117595	01/07/2011	HugoGirard	582156	7050910	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
117596	01/07/2011	HugoGirard	582179	7050870	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
117597	01/07/2011	HugoGirard	582232	7050876	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
117598	01/07/2011	HugoGirard	582283	7050874	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
117599	01/07/2011	HugoGirard	582317	7050857	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
117600	01/07/2011	HugoGirard	582370	7050843	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60	Wet	Excellent	BurnOld
117601	01/07/2011	HugoGirard	582180	7050813	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	80	Wet	Good	BurnOld
117602	01/07/2011	HugoGirard	582165	7050782	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
117603	01/07/2011	HugoGirard	582146	7050740	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
117604	01/07/2011	HugoGirard	582133	7050685	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	70	Wet	Good	BurnOld
117605	01/07/2011	HugoGirard	582104	7050643	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
117606	01/07/2011	HugoGirard	582106	7050601	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	60		Excellent	BurnOld
117607	01/07/2011	HugoGirard	582121	7050550	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Flat	B	100	Wet	Good	BurnOld
117608	01/07/2011	HugoGirard	582127	7050495	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	B	110	Wet	Good	BurnOld
117609	01/07/2011	HugoGirard	582126	7050455	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
117610	01/07/2011	HugoGirard	582143	7050392	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	B	40		Good	BurnOld
117611	01/07/2011	HugoGirard	582163	7050352	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117612	01/07/2011	HugoGirard	582166	7050301	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
117613	01/07/2011	HugoGirard	582207	7050264	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	60		Good	BurnOld
117614	01/07/2011	HugoGirard	582206	7050202	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
117615	01/07/2011	HugoGirard	582281	7050137	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
117616	01/07/2011	HugoGirard	582367	7050070	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Good	BurnOld



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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
117617	01/07/2011	HugoGirard	582501	7049990	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
117618	02/07/2011	HugoGirard	577630	7056292	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	70		Good	BurnOld
117619	02/07/2011	HugoGirard	577685	7056351	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
117620	02/07/2011	HugoGirard	577740	7056420	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117621	02/07/2011	HugoGirard	577797	7056492	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
117622	02/07/2011	HugoGirard	577813	7056532	UTMZ7N WGS84	Colluvium	Black	Silt	Moderate	C	80		Excellent	BurnOld
117623	02/07/2011	HugoGirard	577716	7056533	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Good	BurnOld
117624	02/07/2011	HugoGirard	577606	7056552	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117625	02/07/2011	HugoGirard	577520	7056554	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
117626	02/07/2011	HugoGirard	577416	7056555	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
117627	02/07/2011	HugoGirard	577313	7056557	UTMZ7N WGS84	Colluvium	BrownDark	Gravel	Moderate	B	60	Wet	Good	BurnOld
117628	02/07/2011	HugoGirard	577218	7056554	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
117629	02/07/2011	HugoGirard	577114	7056565	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	60		Good	BurnOld
117630	02/07/2011	HugoGirard	577012	7056572	UTMZ7N WGS84	Colluvium	Orange	Silt	Moderate	C	80		Excellent	BurnOld
117631	02/07/2011	HugoGirard	576910	7056591	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
117632	02/07/2011	HugoGirard	576779	7056639	UTMZ7N WGS84	Colluvium	Orange	Sand	Moderate	C	30		Good	BurnOld
117633	02/07/2011	HugoGirard	576669	7056659	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
117634	02/07/2011	HugoGirard	576584	7056686	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
117635	02/07/2011	HugoGirard	576477	7056705	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
117636	02/07/2011	HugoGirard	576393	7056746	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
117637	02/07/2011	HugoGirard	576285	7056703	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	B	100		Good	BurnOld
117638	02/07/2011	HugoGirard	576179	7056699	UTMZ7N WGS84	Colluvium	Orange	Silt	Flat	B	110		Good	BurnOld
117639	03/07/2011	HugoGirard	573396	7061319	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117641	03/07/2011	HugoGirard	573408	7061410	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	70		Good	BurnOld
117642	03/07/2011	HugoGirard	573431	7061502	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117643	03/07/2011	HugoGirard	573456	7061610	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
117644	03/07/2011	HugoGirard	573517	7061670	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117645	03/07/2011	HugoGirard	573605	7061719	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117646	03/07/2011	HugoGirard	573696	7061752	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
117647	03/07/2011	HugoGirard	573787	7061799	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117648	03/07/2011	HugoGirard	573879	7061840	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	30		Good	BurnOld
117649	03/07/2011	HugoGirard	573972	7061865	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
117650	03/07/2011	HugoGirard	574073	7061911	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117651	03/07/2011	HugoGirard	574148	7061954	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	DrainageBrush
117652	03/07/2011	HugoGirard	574242	7061932	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117653	03/07/2011	HugoGirard	574261	7061844	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	DrainageBrush
117654	03/07/2011	HugoGirard	574284	7061731	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	DrainageBrush
117655	03/07/2011	HugoGirard	574314	7061658	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117656	03/07/2011	HugoGirard	574347	7061562	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
117657	03/07/2011	HugoGirard	574395	7061460	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
117658	03/07/2011	HugoGirard	574422	7061363	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117659	03/07/2011	HugoGirard	574424	7061276	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117660	03/07/2011	HugoGirard	574443	7061169	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
117661	03/07/2011	HugoGirard	574484	7061074	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
117662	03/07/2011	HugoGirard	574507	7060985	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	DrainageBrush
117663	03/07/2011	HugoGirard	574531	7060882	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	DrainageBrush
117664	03/07/2011	HugoGirard	574550	7060784	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	DrainageBrush
117665	03/07/2011	HugoGirard	574591	7060690	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	DrainageBrush
117666	03/07/2011	HugoGirard	574632	7060595	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117667	03/07/2011	HugoGirard	574678	7060510	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
117668	03/07/2011	HugoGirard	574726	7060433	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	70		Good	BurnOld
117669	04/07/2011	HugoGirard	572701	7060630	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	60		Good	BurnOld
117670	04/07/2011	HugoGirard	572649	7060542	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	60		Good	BurnOld
117671	04/07/2011	HugoGirard	572598	7060451	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	70		Good	BurnOld
117672	04/07/2011	HugoGirard	572551	7060368	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	70		Good	BurnOld
117673	04/07/2011	HugoGirard	572498	7060292	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	70		Good	BurnOld
117674	04/07/2011	HugoGirard	572466	7060193	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	70		Good	BurnOld
117675	04/07/2011	HugoGirard	572448	7060109	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	60		Good	BurnOld
117676	04/07/2011	HugoGirard	572533	7060045	UTMZ7N WGS84	Colluvium	Grey	Clay	Moderate	B	70		Poor	BurnOld
117677	04/07/2011	HugoGirard	572609	7059995	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	70		Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
117678	04/07/2011	HugoGirard	572696	7059934	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	70		Good	BurnOld
117679	04/07/2011	HugoGirard	572760	7059860	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	60		Good	BurnOld
117680	04/07/2011	HugoGirard	572877	7059833	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	60		Good	BurnOld
117681	04/07/2011	HugoGirard	572905	7059788	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	50		Good	BurnOld
117682	04/07/2011	HugoGirard	573020	7059718	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	70		Good	BurnOld
117683	04/07/2011	HugoGirard	573081	7059623	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	70		Good	BurnOld
117684	04/07/2011	HugoGirard	572928	7059482	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Steep	C	70		Good	BurnOld
117685	04/07/2011	HugoGirard	572897	7059441	UTMZ7N WGS84	Colluvium	Grey	Sand	Steep	C	70		Good	BurnOld
117686	04/07/2011	HugoGirard	572882	7059397	UTMZ7N WGS84	Colluvium	Grey	Sand	Steep	C	70		Good	BurnOld
117687	04/07/2011	HugoGirard	572882	7059347	UTMZ7N WGS84	Colluvium	RustyRed	Clay	Steep	C	20		Poor	BurnOld
117688	04/07/2011	HugoGirard	572874	7059286	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Steep	C	60		Good	BurnOld
117689	04/07/2011	HugoGirard	572843	7059244	UTMZ7N WGS84	Colluvium	BrownLight	Gravel	Steep	C	60		Poor	BurnOld
117691	04/07/2011	HugoGirard	572835	7059191	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Steep	C	60		Poor	BurnOld
117692	04/07/2011	HugoGirard	572821	7059158	UTMZ7N WGS84	Colluvium	Grey	Gravel	Steep	C	60		Good	BurnOld
117693	04/07/2011	HugoGirard	572840	7059100	UTMZ7N WGS84	Colluvium	Grey	Gravel	Steep	C	70		Good	BurnOld
117694	04/07/2011	HugoGirard	572838	7059054	UTMZ7N WGS84	Colluvium	Yellow	Sand	Moderate	C	60		Good	BurnOld
117695	04/07/2011	HugoGirard	572846	7059000	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	70		Good	BurnOld
117696	04/07/2011	HugoGirard	572858	7058953	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	60	Wet	Poor	BurnOld
117697	04/07/2011	HugoGirard	572858	7058904	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117698	04/07/2011	HugoGirard	572865	7058844	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117699	04/07/2011	HugoGirard	572867	7058798	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
117700	04/07/2011	HugoGirard	572811	7058753	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	70		Good	BurnOld
117701	05/07/2011	HugoGirard	566785	7069205	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	70		Good	BurnOld
117702	05/07/2011	HugoGirard	566774	7069250	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	ForestBlackSpruce
117703	05/07/2011	HugoGirard	566750	7069293	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestBlackSpruce
117704	05/07/2011	HugoGirard	566714	7069331	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
117705	05/07/2011	HugoGirard	566689	7069358	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
117706	05/07/2011	HugoGirard	566654	7069393	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
117707	05/07/2011	HugoGirard	566618	7069429	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
117708	05/07/2011	HugoGirard	566591	7069471	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117709	05/07/2011	HugoGirard	566546	7069509	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
117710	05/07/2011	HugoGirard	566521	7069549	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
117711	05/07/2011	HugoGirard	566485	7069588	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117712	05/07/2011	HugoGirard	566452	7069610	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
117713	05/07/2011	HugoGirard	566424	7069661	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117714	05/07/2011	HugoGirard	566382	7069729	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
117715	05/07/2011	HugoGirard	566386	7069774	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
117716	05/07/2011	HugoGirard	566383	7069826	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestWhiteSpruce
117717	05/07/2011	HugoGirard	566377	7069875	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Poor	ForestWhiteSpruce
117718	05/07/2011	HugoGirard	566379	7069923	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
117719	05/07/2011	HugoGirard	566383	7069975	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
117720	05/07/2011	HugoGirard	566382	7070034	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
117721	05/07/2011	HugoGirard	566385	7070081	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
117722	05/07/2011	HugoGirard	566382	7070129	UTMZ7N WGS84	Colluvium	RustyOrange	Sand	Moderate	C	60		Excellent	ForestWhiteSpruce
117723	05/07/2011	HugoGirard	566379	7070182	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
117724	05/07/2011	HugoGirard	566374	7070236	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
117725	05/07/2011	HugoGirard	566376	7070283	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
117726	05/07/2011	HugoGirard	566373	7070324	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
117727	05/07/2011	HugoGirard	566372	7070386	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
117728	05/07/2011	HugoGirard	566368	7070429	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
117729	05/07/2011	HugoGirard	566378	7070525	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
117730	05/07/2011	HugoGirard	566328	7070760	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
118619	01/07/2011	DrewMacPhail	581974	7052177	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
118620	01/07/2011	DrewMacPhail	581927	7052140	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
118621	01/07/2011	DrewMacPhail	581884	7052130	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
118622	01/07/2011	DrewMacPhail	581840	7052102	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
118623	01/07/2011	DrewMacPhail	581804	7052072	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
118624	01/07/2011	DrewMacPhail	581761	7052048	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	110		Good	BurnOld
118625	01/07/2011	DrewMacPhail	581716	7052013	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100		Good	BurnOld
118626	01/07/2011	DrewMacPhail	581674	7051992	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld

## Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
118627	01/07/2011	DrewMacPhail	581630	7051970	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
118628	01/07/2011	DrewMacPhail	581593	7051937	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
118629	01/07/2011	DrewMacPhail	581559	7051891	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
118630	01/07/2011	DrewMacPhail	581505	7051870	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
118631	01/07/2011	DrewMacPhail	581463	7051845	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
118632	01/07/2011	DrewMacPhail	581432	7051824	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
119638	30/06/2011	MartyHuber	581958	7054449	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
119639	30/06/2011	MartyHuber	581964	7054396	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
119641	30/06/2011	MartyHuber	581982	7054351	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
119642	30/06/2011	MartyHuber	581958	7054213	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80	Wet	Good	BurnOld
119643	30/06/2011	MartyHuber	581963	7054152	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
119644	30/06/2011	MartyHuber	581966	7054100	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
119645	30/06/2011	MartyHuber	581962	7054049	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
119646	30/06/2011	MartyHuber	581967	7054004	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
119647	30/06/2011	MartyHuber	581972	7053949	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90	Wet	Good	BurnOld
119648	30/06/2011	MartyHuber	581971	7053904	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
119649	30/06/2011	MartyHuber	581962	7053851	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
119650	30/06/2011	MartyHuber	581975	7053809	UTMZ7N WGS84	Colluvium	Black	Clay	Moderate	B	50	Wet	Good	ForestBlackSpruce
119651	30/06/2011	MartyHuber	581974	7053762	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	80		Good	ForestWhiteSpruce
119652	30/06/2011	MartyHuber	581977	7053710	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	90		Excellent	ForestWhiteSpruce
119653	30/06/2011	MartyHuber	581968	7053654	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	40		Good	ForestBirch
119654	30/06/2011	MartyHuber	581969	7053610	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	30		Good	ForestBirch
119655	30/06/2011	MartyHuber	581969	7053563	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Excellent	ForestBirch
119656	30/06/2011	MartyHuber	581965	7053514	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	50	Frozen	Poor	ForestBlackSpruce
119657	30/06/2011	MartyHuber	581962	7053463	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	60	Frozen	Good	ForestBlackSpruce
119658	30/06/2011	MartyHuber	581955	7053406	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	50	Frozen	Good	ForestBlackSpruce
119659	30/06/2011	MartyHuber	581955	7053357	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	50	Frozen	Good	ForestBlackSpruce
119660	30/06/2011	MartyHuber	581955	7053310	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	80		Excellent	BurnOld
119661	30/06/2011	MartyHuber	581943	7053261	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Excellent	BurnOld
119662	30/06/2011	MartyHuber	581929	7053214	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	70	Wet	Good	BurnOld
119663	30/06/2011	MartyHuber	581914	7053160	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	50	Frozen	Good	ForestBlackSpruce
119664	30/06/2011	MartyHuber	581907	7053118	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	70		Excellent	BurnOld
119665	30/06/2011	MartyHuber	581888	7053075	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	30		Good	BurnOld
119666	30/06/2011	MartyHuber	581891	7053014	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	50		Excellent	BurnOld
119667	30/06/2011	MartyHuber	581883	7052965	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	70		Excellent	BurnOld
119668	30/06/2011	MartyHuber	581873	7052918	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	60		Excellent	BurnOld
119669	30/06/2011	MartyHuber	581890	7052865	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	40		Good	BurnOld
119670	30/06/2011	MartyHuber	581879	7052820	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	40		Excellent	BurnOld
119671	30/06/2011	MartyHuber	581871	7052764	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
119672	30/06/2011	MartyHuber	581870	7052720	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	40		Excellent	BurnOld
119673	01/07/2011	MartyHuber	580849	7052712	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	50		Excellent	BurnOld
119674	01/07/2011	MartyHuber	580853	7052662	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	30		Good	BurnOld
119675	01/07/2011	MartyHuber	580847	7052617	UTMZ7N WGS84	Colluvium	Green	Silt	Moderate	C	100		Excellent	BurnOld
119676	01/07/2011	MartyHuber	580840	7052573	UTMZ7N WGS84	Colluvium	Green	Silt	Moderate	C	70		Excellent	BurnOld
119677	01/07/2011	MartyHuber	580837	7052524	UTMZ7N WGS84	Colluvium	Green	Silt	Moderate	C	60		Excellent	BurnOld
119678	01/07/2011	MartyHuber	580843	7052475	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
119679	01/07/2011	MartyHuber	580832	7052417	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
119680	01/07/2011	MartyHuber	580835	7052368	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
119681	01/07/2011	MartyHuber	580879	7052326	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
119682	01/07/2011	MartyHuber	580869	7052274	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70	Wet	Excellent	BurnOld
119683	01/07/2011	MartyHuber	580880	7052220	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	60	Wet	Excellent	BurnOld
119684	01/07/2011	MartyHuber	580885	7052173	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60	Wet	Excellent	BurnOld
119685	01/07/2011	MartyHuber	580880	7052128	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
119686	01/07/2011	MartyHuber	580884	7052065	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
119687	01/07/2011	MartyHuber	580872	7052026	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
119688	01/07/2011	MartyHuber	580865	7051970	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	40	Wet	Good	BurnOld
119689	01/07/2011	MartyHuber	580858	7051922	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50	Wet	Excellent	BurnOld
119691	01/07/2011	MartyHuber	580839	7051873	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
119692	01/07/2011	MartyHuber	580821	7051825	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
119693	01/07/2011	MartyHuber	580812	7051777	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	50		Excellent	BurnOld

## Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
119694	01/07/2011	MartyHuber	580807	7051729	UTMZ7N WGS84	Colluvium	Green	Silt	Moderate	C	80		Excellent	BurnOld
119695	01/07/2011	MartyHuber	580791	7051679	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
119696	01/07/2011	MartyHuber	580784	7051640	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
119697	01/07/2011	MartyHuber	580770	7051589	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Excellent	ForestBlackSpruce
119698	01/07/2011	MartyHuber	580747	7051534	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Steep	C	40		Good	ForestMixed
119699	01/07/2011	MartyHuber	580745	7051487	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Steep	C	30		Good	BurnOld
119700	01/07/2011	MartyHuber	580735	7051430	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Steep	B	30		Good	ForestMixed
119701	01/07/2011	MartyHuber	580730	7051355	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Steep	B	50		Good	ForestWhiteSpruce
119702	02/07/2011	MartyHuber	579540	7055565	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Steep	C	50		Good	ForestMixed
119703	02/07/2011	MartyHuber	579516	7055637	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Steep	B	50		Good	ForestWhiteSpruce
119704	02/07/2011	MartyHuber	579497	7055735	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Steep	C	50		Good	ForestWhiteSpruce
119705	02/07/2011	MartyHuber	579481	7055834	UTMZ7N WGS84	Colluvium	Black	Clay	Steep	B	50	Wet	Good	ForestBlackSpruce
119706	02/07/2011	MartyHuber	579467	7055930	UTMZ7N WGS84	Colluvium	Black	Clay	Steep	B	50	Frozen	Poor	ForestBlackSpruce
119707	02/07/2011	MartyHuber	579454	7056030	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	70	Wet	Good	ForestBlackSpruce
119708	02/07/2011	MartyHuber	579446	7056137	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80	Wet	Good	ForestBlackSpruce
119709	02/07/2011	MartyHuber	579442	7056233	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	C	70	Wet	Good	ForestBlackSpruce
119710	02/07/2011	MartyHuber	579429	7056328	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Flat	B	70	Wet	Poor	ForestWhiteSpruce
119711	02/07/2011	MartyHuber	579428	7056423	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Steep	B	60		Good	ForestMixed
119712	02/07/2011	MartyHuber	579421	7056533	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Steep	C	70		Good	ForestMixed
119713	02/07/2011	MartyHuber	579411	7056626	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBlackSpruce
119714	02/07/2011	MartyHuber	579407	7056724	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	ForestBlackSpruce
119715	02/07/2011	MartyHuber	579405	7056825	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	ForestBlackSpruce
119716	02/07/2011	MartyHuber	579354	7057013	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
119717	02/07/2011	MartyHuber	579280	7057085	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
119718	02/07/2011	MartyHuber	579211	7057153	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
119719	02/07/2011	MartyHuber	579139	7057217	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
119720	02/07/2011	MartyHuber	579050	7057267	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	50		Good	BurnOld
119721	02/07/2011	MartyHuber	578966	7057325	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestAspen
119722	02/07/2011	MartyHuber	578904	7057398	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestAspen
119723	02/07/2011	MartyHuber	578823	7057469	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestAspen
119724	02/07/2011	MartyHuber	578772	7057560	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestAspen
119725	02/07/2011	MartyHuber	578672	7057596	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	ForestWhiteSpruce
119726	02/07/2011	MartyHuber	578517	7057724	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestWhiteSpruce
119727	02/07/2011	MartyHuber	578468	7057773	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	ForestWhiteSpruce
119728	02/07/2011	MartyHuber	578414	7057813	UTMZ7N WGS84	Colluvium	Black	Sand	Moderate	C	40	Frozen	Good	ForestWhiteSpruce
119729	02/07/2011	MartyHuber	578359	7057857	UTMZ7N WGS84	Colluvium	Black	Sand	Moderate	C	80		Good	ForestWhiteSpruce
120552	01/07/2011	SteveCrowell	581482	7052255	UTMZ7N WGS84	Colluvium	Black	Sand	Moderate	C	60		Good	ForestWhiteSpruce
120553	01/07/2011	SteveCrowell	581506	7052312	UTMZ7N WGS84	Colluvium	Black	Sand	Moderate	C	60		Good	ForestBirch
120554	01/07/2011	SteveCrowell	581529	7052365	UTMZ7N WGS84	Colluvium	Black	Sand	Moderate	C	80		Excellent	ForestWhiteSpruce
120555	01/07/2011	SteveCrowell	581552	7052408	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	ForestWhiteSpruce
120556	01/07/2011	SteveCrowell	581573	7052442	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70	Frozen	Good	ForestBirch
120557	01/07/2011	SteveCrowell	581610	7052474	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	70	Frozen	Poor	ForestBlackSpruce
120558	01/07/2011	SteveCrowell	581649	7052501	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70	Frozen	Good	ForestBlackSpruce
120559	01/07/2011	SteveCrowell	581683	7052549	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80	Frozen	Good	ForestBlackSpruce
120560	01/07/2011	SteveCrowell	581721	7052588	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
120561	01/07/2011	SteveCrowell	581761	7052621	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
120562	01/07/2011	SteveCrowell	581793	7052656	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
120563	01/07/2011	SteveCrowell	581829	7052694	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
120564	01/07/2011	SteveCrowell	581895	7052675	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60	Wet	Good	BurnOld
120565	01/07/2011	SteveCrowell	581922	7052640	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60	Wet	Excellent	BurnOld
120566	01/07/2011	SteveCrowell	581947	7052594	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	60		Excellent	BurnOld
120567	01/07/2011	SteveCrowell	581980	7052548	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
120568	01/07/2011	SteveCrowell	581996	7052504	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
120569	01/07/2011	SteveCrowell	582023	7052460	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
120570	01/07/2011	SteveCrowell	582054	7052419	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
120571	01/07/2011	SteveCrowell	582073	7052376	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Good	ForestBirch
120572	01/07/2011	SteveCrowell	582096	7052330	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Good	ForestBirch
120573	01/07/2011	SteveCrowell	582123	7052275	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	C	70		Good	ForestBirch
120574	01/07/2011	SteveCrowell	582100	7052259	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	C	70		Good	ForestBirch
120575	01/07/2011	SteveCrowell	582054	7052233	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	C	60		Good	ForestBirch

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
120576	01/07/2011	SteveCrowell	582008	7052202	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	C	70		Good	ForestBirch
120577	02/07/2011	SteveCrowell	578851	7055391	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	90	Wet	Good	ForestBirch
120578	02/07/2011	SteveCrowell	578705	7055578	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	C	70	Wet	Good	ForestWhiteSpruce
120579	02/07/2011	SteveCrowell	578671	7055621	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Good	ForestWhiteSpruce
120580	02/07/2011	SteveCrowell	578643	7055657	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	C	70	Frozen	Good	BurnOld
120581	02/07/2011	SteveCrowell	578467	7055912	UTMZ7N WGS84	Colluvium	Grey	Silt	Moderate	C	80	Wet	Good	BurnOld
120582	02/07/2011	SteveCrowell	578417	7055994	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Good	BurnOld
120583	02/07/2011	SteveCrowell	578281	7056207	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	80		Good	BurnOld
120584	02/07/2011	SteveCrowell	578257	7056250	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	70		Good	BurnOld
120585	02/07/2011	SteveCrowell	578228	7056294	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100	Wet	Good	BurnOld
120586	02/07/2011	SteveCrowell	578172	7056369	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90	Wet	Good	BurnOld
120587	02/07/2011	SteveCrowell	578139	7056416	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80	Wet	Good	BurnOld
120588	02/07/2011	SteveCrowell	578094	7056421	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70	Wet	Good	BurnOld
120589	02/07/2011	SteveCrowell	578043	7056439	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	60		Good	BurnOld
120591	02/07/2011	SteveCrowell	578010	7056476	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
120592	02/07/2011	SteveCrowell	577973	7056521	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
120593	02/07/2011	SteveCrowell	577938	7056549	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	70		Good	BurnOld
120594	02/07/2011	SteveCrowell	577879	7056968	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
120595	02/07/2011	SteveCrowell	577881	7057023	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
120596	02/07/2011	SteveCrowell	577874	7057069	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
120597	02/07/2011	SteveCrowell	577855	7057168	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
120598	02/07/2011	SteveCrowell	577838	7057261	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	60		Good	BurnOld
120599	02/07/2011	SteveCrowell	577826	7057318	UTMZ7N WGS84	Colluvium	RustyOrange	Silt	Moderate	C	70		Excellent	BurnOld
121495	30/06/2011	DarcyHudson	580989	7055291	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	80		Good	BurnOld
121496	30/06/2011	DarcyHudson	580891	7055603	UTMZ7N WGS84	Soil	RustyRed	Silt	Moderate	C	70		Excellent	BurnOld
121497	30/06/2011	DarcyHudson	580810	7055769	UTMZ7N WGS84	Soil	RustyRed	Silt	Moderate	C	80		Excellent	BurnOld
121498	30/06/2011	DarcyHudson	580796	7055808	UTMZ7N WGS84	Soil	RustyRed	Silt	Moderate	C	70		Excellent	BurnOld
121499	30/06/2011	DarcyHudson	580751	7055923	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
121500	30/06/2011	DarcyHudson	580727	7055948	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Good	BurnOld
121501	30/06/2011	DarcyHudson	580717	7055991	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	60		Good	BurnOld
121502	30/06/2011	DarcyHudson	580690	7056043	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Excellent	SubAlpineFir
121503	30/06/2011	DarcyHudson	580673	7056082	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	40		Good	ForestBirch
121504	30/06/2011	DarcyHudson	580653	7056129	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	60		Good	ForestBirch
121505	30/06/2011	DarcyHudson	580640	7056175	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	50		Good	ForestBirch
121506	30/06/2011	DarcyHudson	580617	7056228	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	60		Good	ForestAspen
121507	30/06/2011	DarcyHudson	580630	7056520	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Excellent	ForestBirch
121508	30/06/2011	DarcyHudson	580670	7056808	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Excellent	ForestBirch
121509	30/06/2011	DarcyHudson	580682	7056866	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	ForestBirch
121510	30/06/2011	DarcyHudson	580684	7056912	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	40		Good	ForestBlackSpruce
121511	01/07/2011	DarcyHudson	582070	7051492	UTMZ7N WGS84	Colluvium	Black	Clay	Moderate	B	50		Good	BurnOld
121512	01/07/2011	DarcyHudson	582041	7051445	UTMZ7N WGS84	Colluvium	Black	Clay	Moderate	B	50		Good	BurnOld
121513	01/07/2011	DarcyHudson	582019	7051410	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	40		Good	BurnOld
121514	01/07/2011	DarcyHudson	581986	7051367	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	60		Good	BurnOld
121515	01/07/2011	DarcyHudson	581960	7051320	UTMZ7N WGS84	Colluvium	BrownDark	Clay	Moderate	B	50		Good	ForestBlackSpruce
121516	01/07/2011	DarcyHudson	581939	7051289	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Good	ForestBlackSpruce
121517	01/07/2011	DarcyHudson	581897	7051221	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Good	ForestBlackSpruce
121518	01/07/2011	DarcyHudson	581872	7051185	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
121519	01/07/2011	DarcyHudson	581838	7051138	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
121520	01/07/2011	DarcyHudson	581793	7051120	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	70		Good	BurnOld
121521	01/07/2011	DarcyHudson	581749	7051101	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	60		Good	BurnOld
121522	01/07/2011	DarcyHudson	581705	7051072	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	50		Good	BurnOld
121523	01/07/2011	DarcyHudson	581661	7051054	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	60	Wet	Good	BurnOld
121524	01/07/2011	DarcyHudson	581617	7051034	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	70	Frozen	Poor	BurnOld
121525	01/07/2011	DarcyHudson	581572	7051013	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	60	Frozen	Good	BurnOld
121526	01/07/2011	DarcyHudson	581519	7050992	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	B	50	Frozen	Good	BurnOld
121527	01/07/2011	DarcyHudson	581480	7050964	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Good	BurnOld
121528	01/07/2011	DarcyHudson	581439	7050942	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	50		Good	BurnOld
121529	01/07/2011	DarcyHudson	581391	7050933	UTMZ7N WGS84	Soil	RustyRed	Sand	Moderate	C	60		Good	BurnOld
121530	01/07/2011	DarcyHudson	581343	7050901	UTMZ7N WGS84	Soil	BrownLight	Sand	Moderate	C	70		Good	BurnOld
121531	01/07/2011	DarcyHudson	581289	7050887	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Good	BurnOld

## Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
121532	01/07/2011	DarcyHudson	581245	7050867	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	80		Good	BurnOld
121533	01/07/2011	DarcyHudson	581200	7050841	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Good	BurnOld
121534	01/07/2011	DarcyHudson	581155	7050830	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Good	BurnOld
121535	01/07/2011	DarcyHudson	581115	7050803	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	70		Good	BurnOld
121536	01/07/2011	DarcyHudson	581070	7050783	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Good	BurnOld
121537	01/07/2011	DarcyHudson	581016	7050771	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	90		Good	BurnOld
121538	01/07/2011	DarcyHudson	580981	7050742	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	80		Good	BurnOld
121539	01/07/2011	DarcyHudson	580932	7050722	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	70		Good	BurnOld
121541	01/07/2011	DarcyHudson	580886	7050697	UTMZ7N WGS84	Colluvium	Green	Silt	Moderate	C	70		Good	BurnOld
121542	01/07/2011	DarcyHudson	580848	7050673	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Excellent	BurnOld
121543	02/07/2011	DarcyHudson	577978	7059404	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	70		Good	BurnOld
121544	02/07/2011	DarcyHudson	577967	7059357	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	60		Good	BurnOld
121545	02/07/2011	DarcyHudson	577966	7059314	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Good	BurnOld
121546	02/07/2011	DarcyHudson	577949	7059230	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	50		Good	BurnOld
121547	02/07/2011	DarcyHudson	577947	7059188	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Good	BurnOld
121548	02/07/2011	DarcyHudson	577933	7059134	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Good	BurnOld
121549	02/07/2011	DarcyHudson	577933	7059093	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Good	BurnOld
121550	02/07/2011	DarcyHudson	577940	7059051	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Good	BurnOld
121551	02/07/2011	DarcyHudson	577949	7059000	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
121552	02/07/2011	DarcyHudson	577921	7058950	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
121553	02/07/2011	DarcyHudson	577905	7058908	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	70		Good	BurnOld
121554	02/07/2011	DarcyHudson	577871	7058860	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	70		Good	BurnOld
121555	02/07/2011	DarcyHudson	577854	7058830	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	80		Good	BurnOld
121556	02/07/2011	DarcyHudson	577813	7058782	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
121557	02/07/2011	DarcyHudson	577756	7058714	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Good	BurnOld
121558	02/07/2011	DarcyHudson	577721	7058661	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	60		Good	BurnOld
121559	02/07/2011	DarcyHudson	577698	7058614	UTMZ7N WGS84	Colluvium	RustyRed	Silt	Moderate	C	50		Good	BurnOld
121560	02/07/2011	DarcyHudson	577670	7058575	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	50		Excellent	BurnOld
121561	02/07/2011	DarcyHudson	577647	7058526	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	40		Good	BurnOld
121562	02/07/2011	DarcyHudson	577622	7058479	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
121563	02/07/2011	DarcyHudson	577593	7058438	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
121564	02/07/2011	DarcyHudson	577538	7058362	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
121565	02/07/2011	DarcyHudson	577498	7058325	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
121566	02/07/2011	DarcyHudson	577472	7058277	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
121567	02/07/2011	DarcyHudson	577434	7058237	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
121568	02/07/2011	DarcyHudson	577415	7058205	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
121569	02/07/2011	DarcyHudson	577391	7058163	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	60		Good	BurnOld
121570	02/07/2011	DarcyHudson	577390	7058119	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	50		Excellent	BurnOld
121571	02/07/2011	DarcyHudson	577388	7058059	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	80		Excellent	BurnOld
121572	02/07/2011	DarcyHudson	577379	7058012	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	40		Good	BurnOld
122131	30/06/2011	DarrellKraemer	582836	7053609	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	40		Good	BurnOld
122132	30/06/2011	DarrellKraemer	582797	7053642	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
122133	30/06/2011	DarrellKraemer	582763	7053684	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
122134	30/06/2011	DarrellKraemer	582730	7053710	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	70		Good	BurnOld
122135	30/06/2011	DarrellKraemer	582696	7053750	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
122136	30/06/2011	DarrellKraemer	582651	7053781	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
122137	30/06/2011	DarrellKraemer	582624	7053822	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
122138	30/06/2011	DarrellKraemer	582594	7053855	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
122139	30/06/2011	DarrellKraemer	582552	7053887	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
122140	30/06/2011	DarrellKraemer	582733	7053640	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
122142	01/07/2011	DarrellKraemer	582728	7053579	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
122143	01/07/2011	DarrellKraemer	582717	7053529	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
122144	01/07/2011	DarrellKraemer	582712	7053493	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
122145	01/07/2011	DarrellKraemer	582708	7053437	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	40		Good	BurnOld
122146	01/07/2011	DarrellKraemer	582702	7053399	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
122147	01/07/2011	DarrellKraemer	582699	7053348	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
122148	01/07/2011	DarrellKraemer	582680	7053299	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
122149	01/07/2011	DarrellKraemer	582674	7053238	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
122150	01/07/2011	DarrellKraemer	582631	7053187	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
122151	01/07/2011	DarrellKraemer	582610	7053125	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
122152	01/07/2011	DarrellKraemer	582621	7053030	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
122153	01/07/2011	DarrellKraemer	582505	7052952	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
122155	01/07/2011	DarrellKraemer	582866	7053573	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
122156	01/07/2011	DarrellKraemer	582918	7053534	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	50		Excellent	BurnOld
122157	01/07/2011	DarrellKraemer	582948	7053498	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	80		Excellent	BurnOld
122158	01/07/2011	DarrellKraemer	582981	7053464	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	100		Excellent	BurnOld
122159	01/07/2011	DarrellKraemer	583015	7053424	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	80		Good	BurnOld
122160	01/07/2011	DarrellKraemer	583058	7053394	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Flat	C	60		Good	BurnOld
122161	01/07/2011	DarrellKraemer	583095	7053356	UTMZ7N WGS84	Colluvium	Grey	Sand	Moderate	C	100		Excellent	BurnOld
122162	01/07/2011	DarrellKraemer	583128	7053324	UTMZ7N WGS84	Colluvium	Green	Sand	Steep	C	80		Excellent	BurnOld
122163	01/07/2011	DarrellKraemer	583160	7053287	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	100		Excellent	BurnOld
122164	01/07/2011	DarrellKraemer	583189	7053257	UTMZ7N WGS84	Colluvium	Green	Sand	Moderate	C	110		Excellent	BurnOld
122165	01/07/2011	DarrellKraemer	583229	7053213	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
122166	01/07/2011	DarrellKraemer	583265	7053176	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50	Wet	Good	BurnOld
122167	01/07/2011	DarrellKraemer	583294	7053139	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
122168	01/07/2011	DarrellKraemer	583327	7053100	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
122169	01/07/2011	DarrellKraemer	583343	7053057	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
122170	01/07/2011	DarrellKraemer	583368	7053014	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122171	01/07/2011	DarrellKraemer	583399	7052963	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100		Good	BurnOld
122172	01/07/2011	DarrellKraemer	583408	7052919	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	110		Good	BurnOld
122173	01/07/2011	DarrellKraemer	583430	7052877	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
122174	01/07/2011	DarrellKraemer	583457	7052835	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
122175	02/07/2011	DarrellKraemer	583487	7052805	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100		Good	BurnOld
122176	02/07/2011	DarrellKraemer	583498	7052735	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	110		Excellent	BurnOld
122177	02/07/2011	DarrellKraemer	583520	7052696	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
122178	02/07/2011	DarrellKraemer	583536	7052649	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Good	BurnOld
122179	02/07/2011	DarrellKraemer	583568	7052614	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Good	BurnOld
122180	02/07/2011	DarrellKraemer	583582	7052572	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
122181	02/07/2011	DarrellKraemer	583614	7052514	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
122182	02/07/2011	DarrellKraemer	583623	7052472	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
122183	02/07/2011	DarrellKraemer	583661	7052429	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Good	BurnOld
122184	02/07/2011	DarrellKraemer	583680	7052400	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
122185	02/07/2011	DarrellKraemer	583696	7052330	UTMZ7N WGS84	Colluvium	Blue	Sand	Moderate	C	70		Good	BurnOld
122186	02/07/2011	DarrellKraemer	583710	7052285	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
122187	02/07/2011	DarrellKraemer	577899	7056615	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
122188	02/07/2011	DarrellKraemer	577911	7056661	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70	Wet	Good	BurnOld
122189	02/07/2011	DarrellKraemer	577897	7056710	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	B	70	Wet	Good	BurnOld
122190	02/07/2011	DarrellKraemer	577896	7056762	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
122192	02/07/2011	DarrellKraemer	577895	7056815	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	110	Wet	Good	BurnOld
122193	02/07/2011	DarrellKraemer	577893	7056867	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
122194	02/07/2011	DarrellKraemer	577895	7056922	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90	Wet	Good	BurnOld
122195	02/07/2011	DarrellKraemer	577498	7056715	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Good	BurnOld
122196	02/07/2011	DarrellKraemer	577448	7056729	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
122197	02/07/2011	DarrellKraemer	577401	7056748	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
122198	02/07/2011	DarrellKraemer	577361	7056775	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
122199	02/07/2011	DarrellKraemer	577310	7056786	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
122200	02/07/2011	DarrellKraemer	577265	7056812	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
122201	03/07/2011	DarrellKraemer	577226	7056833	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	80		Excellent	BurnOld
122202	03/07/2011	DarrellKraemer	577198	7056869	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	80		Excellent	BurnOld
122203	03/07/2011	DarrellKraemer	577167	7056908	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	80		Good	BurnOld
122204	03/07/2011	DarrellKraemer	577129	7056950	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	50		Excellent	BurnOld
122205	03/07/2011	DarrellKraemer	577093	7056985	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Flat	C	60		Excellent	BurnOld
122206	03/07/2011	DarrellKraemer	577070	7057020	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	60		Good	BurnOld
122207	03/07/2011	DarrellKraemer	577036	7057058	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122208	03/07/2011	DarrellKraemer	576991	7057094	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122209	03/07/2011	DarrellKraemer	576974	7057143	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122210	03/07/2011	DarrellKraemer	576925	7057178	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
122211	02/07/2011	DarrellKraemer	577926	7056568	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
122212	03/07/2011	DarrellKraemer	575665	7059429	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
122213	03/07/2011	DarrellKraemer	575614	7059501	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Excellent	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
122214	03/07/2011	DarrellKraemer	575494	7059482	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Good	BurnOld
122215	03/07/2011	DarrellKraemer	575411	7059418	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
122216	03/07/2011	DarrellKraemer	575302	7059393	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	90		Excellent	BurnOld
122217	03/07/2011	DarrellKraemer	575188	7059374	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	110		Excellent	BurnOld
122218	03/07/2011	DarrellKraemer	575111	7059492	UTMZ7N WGS84	Colluvium	RustyRed	Sand	Moderate	C	40	Frozen	Good	BurnOld
122219	03/07/2011	DarrellKraemer	575020	7059520	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Steep	C	50		Good	BurnOld
122220	03/07/2011	DarrellKraemer	574918	7059531	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122221	03/07/2011	DarrellKraemer	574811	7059586	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60	Frozen	Excellent	BurnOld
122222	03/07/2011	DarrellKraemer	574770	7059662	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122223	04/07/2011	DarrellKraemer	575080	7059416	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Good	BurnOld
122224	04/07/2011	DarrellKraemer	575006	7059345	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60	Frozen	Excellent	BurnOld
122225	04/07/2011	DarrellKraemer	574911	7059274	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60	Frozen	Excellent	BurnOld
122226	04/07/2011	DarrellKraemer	574838	7059224	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60	Frozen	Excellent	BurnOld
122227	04/07/2011	DarrellKraemer	574744	7059182	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122228	04/07/2011	DarrellKraemer	574660	7059194	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122229	04/07/2011	DarrellKraemer	574551	7059178	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
122230	04/07/2011	DarrellKraemer	574453	7059160	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
122231	04/07/2011	DarrellKraemer	574346	7059186	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
122232	04/07/2011	DarrellKraemer	574252	7059183	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
122233	03/07/2011	DarrellKraemer	575763	7059388	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122234	05/07/2011	DarrellKraemer	570395	7065363	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122235	05/07/2011	DarrellKraemer	570340	7065351	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
122236	05/07/2011	DarrellKraemer	570295	7065342	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
122237	05/07/2011	DarrellKraemer	570241	7065334	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122238	05/07/2011	DarrellKraemer	570191	7065332	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122239	05/07/2011	DarrellKraemer	570143	7065328	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122241	05/07/2011	DarrellKraemer	570102	7065316	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122242	05/07/2011	DarrellKraemer	570047	7065309	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122243	05/07/2011	DarrellKraemer	569999	7065318	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122244	05/07/2011	DarrellKraemer	569954	7065301	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122245	05/07/2011	DarrellKraemer	569891	7065295	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
122246	05/07/2011	DarrellKraemer	569846	7065296	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
122247	05/07/2011	DarrellKraemer	569788	7065296	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
122248	05/07/2011	DarrellKraemer	569742	7065279	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122249	05/07/2011	DarrellKraemer	569699	7065273	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	50		Good	BurnOld
122250	05/07/2011	DarrellKraemer	569652	7065257	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
122251	06/07/2011	DarrellKraemer	569600	7065248	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
122252	06/07/2011	DarrellKraemer	569549	7065231	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Good	BurnOld
122253	06/07/2011	DarrellKraemer	569505	7065204	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70	Wet	Good	BurnOld
122254	06/07/2011	DarrellKraemer	569444	7065199	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Steep	C	70		Good	BurnOld
122255	06/07/2011	DarrellKraemer	569399	7065213	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	100		Excellent	BurnOld
122256	06/07/2011	DarrellKraemer	569350	7065213	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70	Wet	Good	BurnOld
122257	06/07/2011	DarrellKraemer	569304	7065199	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
122258	06/07/2011	DarrellKraemer	569251	7065202	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	60		Good	BurnOld
122259	06/07/2011	DarrellKraemer	569204	7065197	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
122260	06/07/2011	DarrellKraemer	569150	7065181	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Excellent	BurnOld
122261	06/07/2011	DarrellKraemer	569108	7065159	UTMZ7N WGS84	Colluvium	BrownLight	Silt	Moderate	C	50		Excellent	BurnOld
122262	06/07/2011	DarrellKraemer	569067	7065130	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	70		Excellent	BurnOld
122263	06/07/2011	DarrellKraemer	569027	7065120	UTMZ7N WGS84	Colluvium	BrownLight	Sand	Moderate	C	70		Excellent	BurnOld
122264	06/07/2011	DarrellKraemer	568985	7065098	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
122265	06/07/2011	DarrellKraemer	568949	7065057	UTMZ7N WGS84	Colluvium	BrownDark	Silt	Moderate	C	50		Excellent	BurnOld
122266	06/07/2011	DarrellKraemer	568899	7065033	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
122267	05/07/2011	DarrellKraemer	570444	7065364	UTMZ7N WGS84	Colluvium	BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
1094248	25/06/2010	GroundTruth CP	572630	7060769	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
1094249	25/06/2010	GroundTruth CP	572595	7060731	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
1094250	25/06/2010	GroundTruth CP	572562	7060696	UTMZ7N WGS84		BrownDark	Clay	Moderate	B	50	Wet	Good	BurnOld
1094252	25/06/2010	GroundTruth CP	572527	7060658	UTMZ7N WGS84		BrownLight	Silt	Moderate	C	80		Excellent	BurnOld
1094253	25/06/2010	GroundTruth CP	572494	7060623	UTMZ7N WGS84		BrownLight	Silt	Moderate	C	70		Excellent	BurnOld
1094254	25/06/2010	GroundTruth CP	572459	7060584	UTMZ7N WGS84		BrownLight	Sand	Moderate	C	60		Excellent	BurnOld
1094255	25/06/2010	GroundTruth CP	572358	7060475	UTMZ7N WGS84		BrownDark	Clay	Moderate	C	90	Wet	Good	BurnOld



Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
1094256	25/06/2010	GroundTruth CP	572323	7060438	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
1094257	25/06/2010	GroundTruth CP	572290	7060401	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
1094258	25/06/2010	GroundTruth CP	572255	7060364	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	90		Excellent	BurnOld
1094259	25/06/2010	GroundTruth CP	572223	7060328	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
1094260	25/06/2010	GroundTruth CP	572189	7060290	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	50		Excellent	BurnOld
1094261	25/06/2010	GroundTruth CP	572153	7060254	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
1094262	25/06/2010	GroundTruth CP	572120	7060218	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	70		Good	BurnOld
1094264	25/06/2010	GroundTruth CP	572090	7060185	UTMZ7N WGS84		Blue	Silt	Moderate	C	80		Excellent	BurnOld
1094265	25/06/2010	GroundTruth CP	572055	7060147	UTMZ7N WGS84		RustyRed	Silt	Moderate	C	60		Poor	BurnOld
1094266	25/06/2010	GroundTruth CP	572021	7060112	UTMZ7N WGS84		RustyRed	Silt	Moderate	C	50		Good	BurnOld
1094267	25/06/2010	GroundTruth CP	571987	7060075	UTMZ7N WGS84		RustyRed	Silt	Moderate	C	60		Excellent	BurnOld
1094268	25/06/2010	GroundTruth CP	571953	7060040	UTMZ7N WGS84		RustyRed	Silt	Moderate	C	70		Good	BurnOld
1094269	25/06/2010	GroundTruth CP	571917	7060002	UTMZ7N WGS84		RustyRed	Silt	Moderate	C	80		Excellent	BurnOld
1094270	25/06/2010	GroundTruth CP	571883	7059966	UTMZ7N WGS84		RustyRed	Silt	Moderate	C	80		Good	BurnOld
1094271	25/06/2010	GroundTruth CP	571849	7059930	UTMZ7N WGS84		RustyRed	Silt	Moderate	C	80		Excellent	BurnOld
1094272	25/06/2010	GroundTruth CP	571816	7059892	UTMZ7N WGS84		RustyOrange	Silt	Moderate	C	50		Good	BurnOld
1094273	25/06/2010	GroundTruth CP	571780	7059857	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
1094274	25/06/2010	GroundTruth CP	571747	7059819	UTMZ7N WGS84		Orange	Sand	Moderate	C	40		Excellent	BurnOld
1094275	25/06/2010	GroundTruth CP	571711	7059783	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
1094276	25/06/2010	GroundTruth CP	571677	7059747	UTMZ7N WGS84		Green	Sand	Moderate	C	60		Excellent	BurnOld
1094277	25/06/2010	GroundTruth CP	571642	7059710	UTMZ7N WGS84		Green	Sand	Moderate	C	60		Excellent	BurnOld
1094278	25/06/2010	GroundTruth CP	571608	7059674	UTMZ7N WGS84		BrownDark	Sand	Moderate	B	50		Good	BurnOld
1094279	25/06/2010	GroundTruth CP	571574	7059636	UTMZ7N WGS84		BrownDark	Sand	Moderate	B	40		Good	BurnOld
1094280	25/06/2010	GroundTruth CP	571539	7059600	UTMZ7N WGS84		BrownDark	Silt	Moderate	B	50		Good	BurnOld
1094281	26/06/2010	GroundTruth CP	570363	7062884	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
1094282	26/06/2010	GroundTruth CP	570328	7062846	UTMZ7N WGS84		BrownDark		Moderate	B	80	Wet	Poor	BurnOld
1094283	26/06/2010	GroundTruth CP	570296	7062810	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Good	BurnOld
1094284	26/06/2010	GroundTruth CP	570260	7062774	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
1094285	26/06/2010	GroundTruth CP	570227	7062737	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Excellent	DrainageBrush
1094287	26/06/2010	GroundTruth CP	570193	7062700	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	DrainageBrush
1094288	26/06/2010	GroundTruth CP	570158	7062663	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	DrainageBrush
1094289	26/06/2010	GroundTruth CP	570125	7062626	UTMZ7N WGS84		BrownDark	Sand	Flat	C	50		Excellent	DrainageBrush
1094290	26/06/2010	GroundTruth CP	570091	7062589	UTMZ7N WGS84		Green	Silt	Flat	C	100		Good	BurnOld
1094291	26/06/2010	GroundTruth CP	570056	7062553	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
1094292	26/06/2010	GroundTruth CP	570023	7062516	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	90		Excellent	BurnOld
1094293	26/06/2010	GroundTruth CP	569989	7062479	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	40		Good	BurnOld
1094294	26/06/2010	GroundTruth CP	569955	7062444	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	40		Good	BurnOld
1094295	26/06/2010	GroundTruth CP	569922	7062406	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
1094296	26/06/2010	GroundTruth CP	569888	7062370	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
1094297	26/06/2010	GroundTruth CP	569853	7062333	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	40		Good	BurnOld
1094298	26/06/2010	GroundTruth CP	569818	7062295	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	40		Good	BurnOld
1094299	26/06/2010	GroundTruth CP	569783	7062258	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	80		Good	BurnOld
1094300	26/06/2010	GroundTruth CP	569748	7062223	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
1094411	25/06/2010	GroundTruth CC	571718	7059499	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
1094412	25/06/2010	GroundTruth CC	571684	7059463	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
1095576	26/06/2010	GroundTruth DB	569231	7061818	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
1096701	17/10/2010	GroundTruth TR	566799	7067712	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
1096703	17/10/2010	GroundTruth TR	566764	7067675	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
1096704	17/10/2010	GroundTruth TR	566730	7067639	UTMZ7N WGS84		BrownDark	Sand	Flat	C	50		Good	BurnOld
1096706	17/10/2010	GroundTruth TR	566697	7067601	UTMZ7N WGS84		BrownDark	Sand	Flat	C	40		Good	DrainageBrush
1096707	17/10/2010	GroundTruth TR	566662	7067564	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	40		Good	BurnOld
10101308	15/10/2010	GroundTruth JB	568287	7067691	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
10101309	15/10/2010	GroundTruth JB	568252	7067655	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10101311	17/10/2010	GroundTruth JB	567242	7067161	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Good	BurnOld
10101313	17/10/2010	GroundTruth JB	567208	7067123	UTMZ7N WGS84		Blue	Sand	Moderate	C	50		Good	BurnOld
10101315	17/10/2010	GroundTruth JB	567140	7067052	UTMZ7N WGS84		Blue	Sand	Moderate	C	80		Excellent	BurnOld
10101316	17/10/2010	GroundTruth JB	567105	7067015	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Good	BurnOld
10101317	17/10/2010	GroundTruth JB	567072	7066978	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Good	BurnOld
10101318	17/10/2010	GroundTruth JB	567039	7066941	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
10101319	17/10/2010	GroundTruth IB	566896	7067963	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10101320	17/10/2010	GroundTruth_IB	566862	7067927	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	60		Good	BurnOld
10101321	17/10/2010	GroundTruth_IB	566828	7067889	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	70		Good	BurnOld
10101762	25/06/2010	GroundTruth_DB	572703	7060701	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	60		Good	BurnOld
10101763	25/06/2010	GroundTruth_DB	572668	7060664	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	60		Good	BurnOld
10101765	25/06/2010	GroundTruth_DB	572636	7060626	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	60		Good	BurnOld
10101766	25/06/2010	GroundTruth_DB	572601	7060589	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	70		Good	BurnOld
10101785	25/06/2010	GroundTruth_LD	572554	7060840	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	70		Good	BurnOld
10101786	25/06/2010	GroundTruth_LD	572518	7060806	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	70		Good	BurnOld
10101787	25/06/2010	GroundTruth_LD	572485	7060767	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	60		Good	BurnOld
10101788	25/06/2010	GroundTruth_LD	572446	7060730	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	60		Good	BurnOld
10101789	25/06/2010	GroundTruth_LD	572417	7060694	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	70		Good	BurnOld
10101790	25/06/2010	GroundTruth_LD	572382	7060656	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	40		Good	BurnOld
10101793	25/06/2010	GroundTruth_LD	572214	7060469	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	70		Good	BurnOld
10101794	25/06/2010	GroundTruth_LD	572181	7060434	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	60		Good	BurnOld
10101795	25/06/2010	GroundTruth_LD	572146	7060398	UTMZ7N_WGS84		RustyRed	Sand	Moderate	C	60		Good	BurnOld
10101796	25/06/2010	GroundTruth_LD	572113	7060361	UTMZ7N_WGS84		RustyRed	Sand	Moderate	C	70		Good	BurnOld
10101797	25/06/2010	GroundTruth_LD	572081	7060321	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	100		Excellent	BurnOld
10101798	25/06/2010	GroundTruth_LD	572048	7060288	UTMZ7N_WGS84		RustyRed	Sand	Moderate	C	60		Good	BurnOld
10101799	25/06/2010	GroundTruth_LD	572016	7060253	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	70		Good	BurnOld
10101800	25/06/2010	GroundTruth_LD	571982	7060216	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10101801	25/06/2010	GroundTruth_LD	571950	7060180	UTMZ7N_WGS84		RustyRed	Sand	Moderate	C	70		Good	BurnOld
10101802	25/06/2010	GroundTruth_LD	571915	7060145	UTMZ7N_WGS84		BrownLight	Silt	Moderate	C	60		Good	BurnOld
10101803	25/06/2010	GroundTruth_LD	571880	7060108	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	60		Good	BurnOld
10101804	25/06/2010	GroundTruth_LD	571845	7060074	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	70		Good	BurnOld
10101805	25/06/2010	GroundTruth_LD	571810	7060035	UTMZ7N_WGS84		RustyOrange	Silt	Moderate	C	60		Good	BurnOld
10101806	25/06/2010	GroundTruth_LD	571774	7059997	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
10101807	25/06/2010	GroundTruth_LD	571742	7059962	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	70		Good	BurnOld
10101808	25/06/2010	GroundTruth_LD	571705	7059924	UTMZ7N_WGS84		RustyOrange	Silt	Moderate	C	60		Excellent	BurnOld
10101809	25/06/2010	GroundTruth_LD	571670	7059881	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	70		Excellent	BurnOld
10101810	25/06/2010	GroundTruth_LD	571640	7059851	UTMZ7N_WGS84		RustyRed	Silt	Moderate	C	70		Good	BurnOld
10101811	25/06/2010	GroundTruth_LD	571604	7059815	UTMZ7N_WGS84		RustyOrange	Silt	Moderate	C	80		Excellent	BurnOld
10101812	25/06/2010	GroundTruth_LD	571568	7059778	UTMZ7N_WGS84		Green	Sand	Moderate	C	70		Excellent	BurnOld
10101813	25/06/2010	GroundTruth_LD	571535	7059743	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	50		Excellent	BurnOld
10101814	25/06/2010	GroundTruth_LD	571503	7059707	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
10101815	25/06/2010	GroundTruth_LD	571467	7059673	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10101989	25/06/2010	GroundTruth_CC	572776	7060632	UTMZ7N_WGS84		Black	Silt	Moderate	C	100		Excellent	BurnOld
10101990	25/06/2010	GroundTruth_CC	572743	7060597	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
10101991	25/06/2010	GroundTruth_CC	572709	7060560	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	40		Good	BurnOld
10101992	25/06/2010	GroundTruth_CC	572674	7060522	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
10101993	25/06/2010	GroundTruth_CC	572641	7060486	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
10101994	25/06/2010	GroundTruth_CC	572606	7060448	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
10101996	25/06/2010	GroundTruth_CC	572573	7060411	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
10101997	25/06/2010	GroundTruth_CC	572538	7060375	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
10101998	25/06/2010	GroundTruth_CC	572504	7060338	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
10101999	25/06/2010	GroundTruth_CC	572469	7060300	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
10102000	25/06/2010	GroundTruth_CC	572438	7060265	UTMZ7N_WGS84		Green	Sand	Moderate	C	100		Excellent	BurnOld
10102014	25/06/2010	GroundTruth_JW	571461	7061862	UTMZ7N_WGS84		Green	Sand	Moderate	C	60		Excellent	BurnOld
10102015	25/06/2010	GroundTruth_JW	571428	7061823	UTMZ7N_WGS84		Green	Sand	Moderate	C	110		Excellent	BurnOld
10102016	25/06/2010	GroundTruth_JW	571393	7061787	UTMZ7N_WGS84		RustyRed	Sand	Moderate	C	80		Excellent	BurnOld
10102017	25/06/2010	GroundTruth_JW	571358	7061751	UTMZ7N_WGS84		RustyRed	Sand	Moderate	C	50		Poor	BurnOld
10102018	25/06/2010	GroundTruth_JW	571325	7061715	UTMZ7N_WGS84		Green	Sand	Moderate	C	80		Excellent	BurnOld
10102019	25/06/2010	GroundTruth_JW	571290	7061676	UTMZ7N_WGS84		RustyOrange	Silt	Moderate	C	70		Excellent	BurnOld
10102020	25/06/2010	GroundTruth_JW	571257	7061640	UTMZ7N_WGS84		BrownDark	Silt	Moderate	B	110	Wet	Poor	BurnOld
10102021	25/06/2010	GroundTruth_JW	571222	7061603	UTMZ7N_WGS84		BrownDark	Sand	Moderate	B	50		Good	BurnOld
10102022	25/06/2010	GroundTruth_JW	571187	7061567	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	70		Good	BurnOld
10102023	25/06/2010	GroundTruth_JW	571154	7061530	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
10102024	25/06/2010	GroundTruth_JW	571053	7061419	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102025	25/06/2010	GroundTruth_JW	571018	7061384	UTMZ7N_WGS84		BrownDark	Sand	Moderate	B	50		Good	BurnOld
10102026	25/06/2010	GroundTruth_JW	570983	7061346	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
10102027	25/06/2010	GroundTruth_JW	570949	7061310	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10102028	25/06/2010	GroundTruth_JW	570915	7061273	UTMZ7N_WGS84		BrownDark		Moderate	C	80		Excellent	BurnOld
10102029	25/06/2010	GroundTruth_JW	570880	7061237	UTMZ7N_WGS84		BrownDark		Moderate	C	60		Good	BurnOld
10102031	25/06/2010	GroundTruth_JW	570848	7061199	UTMZ7N_WGS84		BrownDark		Moderate	C	60		Good	BurnOld
10102032	25/06/2010	GroundTruth_JW	570814	7061163	UTMZ7N_WGS84		BrownDark		Moderate	C	50		Good	BurnOld
10102033	25/06/2010	GroundTruth_JW	570779	7061125	UTMZ7N_WGS84		BrownDark		Moderate	C	80		Excellent	BurnOld
10102034	25/06/2010	GroundTruth_JW	570747	7061088	UTMZ7N_WGS84		BrownDark		Moderate	C	60		Good	BurnOld
10102035	25/06/2010	GroundTruth_JW	570712	7061051	UTMZ7N_WGS84		BrownDark		Moderate	C	60		Good	BurnOld
10102036	25/06/2010	GroundTruth_JW	570677	7061017	UTMZ7N_WGS84		BrownDark		Moderate	C	70		Good	BurnOld
10102037	25/06/2010	GroundTruth_JW	570642	7060977	UTMZ7N_WGS84		BrownDark		Moderate	C	60		Good	BurnOld
10102038	25/06/2010	GroundTruth_JW	570610	7060940	UTMZ7N_WGS84		BrownDark	Gravel	Moderate	C	50		Good	BurnOld
10102039	25/06/2010	GroundTruth_JW	570577	7060902	UTMZ7N_WGS84		BrownDark		Moderate	C	50		Good	BurnOld
10102040	25/06/2010	GroundTruth_JW	570476	7060793	UTMZ7N_WGS84		BrownDark		Moderate	C	80		Excellent	BurnOld
10102041	25/06/2010	GroundTruth_JW	570441	7060759	UTMZ7N_WGS84		BrownDark		Moderate	C	70		Good	BurnOld
10102046	25/06/2010	GroundTruth_TH	571387	7061929	UTMZ7N_WGS84		BrownDark		Moderate	C	70		Good	BurnOld
10102047	25/06/2010	GroundTruth_TH	571352	7061895	UTMZ7N_WGS84		BrownDark		Moderate	C	90		Excellent	BurnOld
10102048	25/06/2010	GroundTruth_TH	571319	7061858	UTMZ7N_WGS84		BrownDark		Moderate	C	60		Good	BurnOld
10102049	25/06/2010	GroundTruth_TH	571319	7061858	UTMZ7N_WGS84		BrownDark		Moderate	C	80		Good	BurnOld
10102050	25/06/2010	GroundTruth_TH	571283	7061819	UTMZ7N_WGS84		BrownDark		Moderate	C	70		Good	BurnOld
10102051	25/06/2010	GroundTruth_TH	571249	7061782	UTMZ7N_WGS84		BrownDark		Moderate	C	50		Good	BurnOld
10102052	25/06/2010	GroundTruth_TH	571216	7061746	UTMZ7N_WGS84		BrownDark		Moderate	C	60		Good	BurnOld
10102054	25/06/2010	GroundTruth_TH	571181	7061709	UTMZ7N_WGS84		Black		Moderate	B	60	Wet	Poor	BurnOld
10102055	25/06/2010	GroundTruth_TH	571148	7061673	UTMZ7N_WGS84		BrownDark		Moderate	C	70		Excellent	BurnOld
10102056	25/06/2010	GroundTruth_TH	571113	7061635	UTMZ7N_WGS84				Moderate	C	80		Good	BurnOld
10102057	25/06/2010	GroundTruth_TH	570504	7060826	UTMZ7N_WGS84		BrownDark	Gravel	Moderate	C	50		Good	BurnOld
10102059	25/06/2010	GroundTruth_TH	570603	7061082	UTMZ7N_WGS84		BrownDark		Moderate	B	60	Wet	Good	BurnOld
10102060	25/06/2010	GroundTruth_TH	570570	7061045	UTMZ7N_WGS84		BrownDark		Moderate	C	60		Good	BurnOld
10102061	25/06/2010	GroundTruth_TH	570536	7061008	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	60	Wet	Poor	BurnOld
10102062	25/06/2010	GroundTruth_TH	570499	7060971	UTMZ7N_WGS84		BrownDark		Moderate	B	60	Wet	Poor	BurnOld
10102063	25/06/2010	GroundTruth_TH	570468	7060936	UTMZ7N_WGS84		BrownDark		Moderate	B	60	Wet	Good	BurnOld
10102064	25/06/2010	GroundTruth_TH	570433	7060900	UTMZ7N_WGS84		BrownDark		Moderate	B	70		Good	BurnOld
10102065	25/06/2010	GroundTruth_TH	570396	7060859	UTMZ7N_WGS84		BrownDark	Clay	Moderate	B	80	Wet	Good	BurnOld
10102066	25/06/2010	GroundTruth_TH	570365	7060822	UTMZ7N_WGS84		BrownDark	Clay	Moderate	B	90	Wet	Good	BurnOld
10102067	25/06/2010	GroundTruth_TH	570330	7060789	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
10102069	25/06/2010	GroundTruth_TH	570807	7061303	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
10102070	25/06/2010	GroundTruth_TH	570776	7061268	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	40		Excellent	BurnOld
10102071	25/06/2010	GroundTruth_TH	570742	7061229	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	50		Excellent	BurnOld
10102072	25/06/2010	GroundTruth_TH	570706	7061195	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	50		Excellent	BurnOld
10102073	25/06/2010	GroundTruth_TH	570670	7061158	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	80		Good	BurnOld
10102074	25/06/2010	GroundTruth_TH	570634	7061119	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
10102075	25/06/2010	GroundTruth_TH	571078	7061597	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	70		Excellent	BurnOld
10102076	25/06/2010	GroundTruth_TH	571041	7061560	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
10102077	25/06/2010	GroundTruth_TH	571010	7061523	UTMZ7N_WGS84		BrownDark	Silt	Moderate	B	100	Wet	Good	BurnOld
10102078	25/06/2010	GroundTruth_TH	570979	7061487	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102079	25/06/2010	GroundTruth_TH	570942	7061451	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
10102080	25/06/2010	GroundTruth_TH	570910	7061411	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
10102081	25/06/2010	GroundTruth_TH	570876	7061377	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	40		Excellent	BurnOld
10102082	25/06/2010	GroundTruth_TH	570841	7061339	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
10102083	25/06/2010	GroundTruth_AN	571315	7061997	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
10102084	25/06/2010	GroundTruth_AN	571281	7061959	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
10102085	25/06/2010	GroundTruth_AN	571246	7061922	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
10102086	25/06/2010	GroundTruth_AN	571212	7061886	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
10102087	25/06/2010	GroundTruth_AN	571178	7061850	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102088	25/06/2010	GroundTruth_AN	571143	7061811	UTMZ7N_WGS84		Grey	Sand	Moderate	C	60		Good	BurnOld
10102089	25/06/2010	GroundTruth_AN	571111	7061776	UTMZ7N_WGS84		Grey	Sand	Moderate	C	60		Good	BurnOld
10102090	25/06/2010	GroundTruth_AN	571075	7061738	UTMZ7N_WGS84		Grey	Sand	Moderate	C	60		Good	BurnOld
10102091	25/06/2010	GroundTruth_AN	571042	7061701	UTMZ7N_WGS84		Grey	Sand	Moderate	C	80	Wet	Poor	BurnOld
10102092	25/06/2010	GroundTruth_AN	571009	7061665	UTMZ7N_WGS84		Grey	Sand	Moderate	C	70		Good	BurnOld
10102093	25/06/2010	GroundTruth_AN	570974	7061628	UTMZ7N_WGS84		Grey	Sand	Moderate	C	60		Good	BurnOld
10102094	25/06/2010	GroundTruth_AN	570939	7061590	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102095	25/06/2010	GroundTruth_AN	570906	7061554	UTMZ7N_WGS84		Grey	Sand	Moderate	C	60		Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10102096	25/06/2010	GroundTruth AN	570862	7061508	UTMZ7N WGS84		Grey	Sand	Moderate	C	60		Good	BurnOld
10102097	25/06/2010	GroundTruth AN	570828	7061472	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102098	25/06/2010	GroundTruth AN	570791	7061433	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	60		Good	BurnOld
10102099	25/06/2010	GroundTruth AN	570758	7061396	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	70		Good	BurnOld
10102100	25/06/2010	GroundTruth AN	570725	7061362	UTMZ7N WGS84		Grey	Sand	Moderate	C	60		Good	BurnOld
10102101	25/06/2010	GroundTruth AN	570692	7061327	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	60		Good	BurnOld
10102103	25/06/2010	GroundTruth AN	570655	7061289	UTMZ7N WGS84		Green	Sand	Moderate	C	60		Good	BurnOld
10102104	25/06/2010	GroundTruth AN	570622	7061253	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102105	25/06/2010	GroundTruth AN	570587	7061215	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Good	BurnOld
10102106	25/06/2010	GroundTruth AN	570553	7061179	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102107	25/06/2010	GroundTruth AN	570517	7061141	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102108	25/06/2010	GroundTruth AN	570485	7061106	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	60		Good	BurnOld
10102109	25/06/2010	GroundTruth AN	570450	7061070	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	70		Good	BurnOld
10102110	25/06/2010	GroundTruth AN	570416	7061033	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	90		Good	BurnOld
10102111	25/06/2010	GroundTruth AN	570381	7060995	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102112	25/06/2010	GroundTruth AN	570346	7060962	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	90		Good	BurnOld
10102113	25/06/2010	GroundTruth AN	570313	7060924	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	70		Good	BurnOld
10102114	25/06/2010	GroundTruth AN	570277	7060888	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	80		Good	BurnOld
10102115	25/06/2010	GroundTruth AN	570246	7060852	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	70		Good	BurnOld
10102116	25/06/2010	GroundTruth AN	570540	7060871	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
10102117	25/06/2010	GroundTruth AN	570405	7060723	UTMZ7N WGS84		BrownDark	Sand	Moderate	B	50		Good	BurnOld
10102118	25/06/2010	GroundTruth AC	571242	7062065	UTMZ7N WGS84		Green	Sand	Moderate	C	70		Excellent	BurnOld
10102119	25/06/2010	GroundTruth AC	571208	7062028	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Good	BurnOld
10102120	25/06/2010	GroundTruth AC	571173	7061991	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102121	25/06/2010	GroundTruth AC	571137	7061953	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
10102122	25/06/2010	GroundTruth AC	571106	7061916	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
10102123	25/06/2010	GroundTruth AC	571072	7061882	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	40		Good	BurnOld
10102124	25/06/2010	GroundTruth AC	571005	7061807	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	40		Good	BurnOld
10102125	25/06/2010	GroundTruth AC	570968	7061771	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102126	25/06/2010	GroundTruth AC	570900	7061698	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
10102127	25/06/2010	GroundTruth AC	570866	7061661	UTMZ7N WGS84		BrownDark	Sand	Flat	C	70		Excellent	BurnOld
10102128	25/06/2010	GroundTruth AC	570833	7061625	UTMZ7N WGS84		BrownDark	Sand	Flat	C	80		Excellent	BurnOld
10102129	25/06/2010	GroundTruth AC	570798	7061586	UTMZ7N WGS84		BrownDark	Sand	Flat	C	70		Excellent	BurnOld
10102130	25/06/2010	GroundTruth AC	570762	7061551	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102131	25/06/2010	GroundTruth AC	570733	7061515	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	80		Good	BurnOld
10102132	25/06/2010	GroundTruth AC	570655	7061432	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
10102133	25/06/2010	GroundTruth AC	570550	7061321	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102135	25/06/2010	GroundTruth AC	570517	7061284	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102136	25/06/2010	GroundTruth AC	570482	7061249	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
10102137	25/06/2010	GroundTruth AC	570447	7061212	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
10102138	25/06/2010	GroundTruth AC	570414	7061176	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	100		Good	BurnOld
10102139	25/06/2010	GroundTruth AC	570380	7061137	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	110		Good	BurnOld
10102140	25/06/2010	GroundTruth AC	570344	7061102	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Good	BurnOld
10102141	25/06/2010	GroundTruth AC	570310	7061067	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	90		Good	BurnOld
10102142	25/06/2010	GroundTruth AC	570276	7061031	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
10102143	25/06/2010	GroundTruth AC	570243	7060994	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Good	BurnOld
10102144	25/06/2010	GroundTruth AC	570207	7060957	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	110		Excellent	BurnOld
10102145	25/06/2010	GroundTruth AC	570173	7060921	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	110		Excellent	BurnOld
10102148	26/06/2010	GroundTruth AC	569045	7064112	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
10102149	26/06/2010	GroundTruth AC	569009	7064075	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	110		Excellent	BurnOld
10102151	26/06/2010	GroundTruth JW	568827	7064314	UTMZ7N WGS84		Orange	Sand	Moderate	C	100		Excellent	BurnOld
10102152	26/06/2010	GroundTruth JW	568796	7064281	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
10102153	26/06/2010	GroundTruth JW	568759	7064243	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	100		Excellent	BurnOld
10102155	26/06/2010	GroundTruth JW	568726	7064204	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	90	Frozen	Poor	BurnOld
10102156	26/06/2010	GroundTruth JW	568691	7064169	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	70		Good	BurnOld
10102157	26/06/2010	GroundTruth JW	568656	7064133	UTMZ7N WGS84		BrownDark		Moderate	C	70		Good	BurnOld
10102158	26/06/2010	GroundTruth JW	568625	7064094	UTMZ7N WGS84		BrownDark		Moderate	C	60		Good	BurnOld
10102159	26/06/2010	GroundTruth JW	568588	7064060	UTMZ7N WGS84		BrownDark		Moderate	C	60		Excellent	BurnOld
10102161	26/06/2010	GroundTruth JW	568555	7064023	UTMZ7N WGS84		BrownDark		Moderate	C	60		Excellent	BurnOld
10102162	26/06/2010	GroundTruth JW	568521	7063983	UTMZ7N WGS84		BrownDark		Moderate	C	70		Excellent	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10102163	26/06/2010	GroundTruth_JW	568487	7063946	UTMZ7N_WGS84		Green		Moderate	C	90		Excellent	BurnOld
10102164	26/06/2010	GroundTruth_JW	568452	7063910	UTMZ7N_WGS84		Green		Moderate	C	80		Good	BurnOld
10102165	26/06/2010	GroundTruth_JW	568419	7063874	UTMZ7N_WGS84		BrownDark	Gravel	Moderate	B	60		Good	BurnOld
10102166	26/06/2010	GroundTruth_JW	568382	7063837	UTMZ7N_WGS84		BrownLight		Moderate	C	90		Good	BurnOld
10102167	26/06/2010	GroundTruth_JW	568351	7063802	UTMZ7N_WGS84		BrownDark		Moderate	C	90		Good	BurnOld
10102168	26/06/2010	GroundTruth_JW	568314	7063761	UTMZ7N_WGS84		BrownDark	Silt	Moderate	B	100		Poor	BurnOld
10102169	26/06/2010	GroundTruth_JW	568280	7063724	UTMZ7N_WGS84		BrownDark	Silt	Moderate	B	100		Poor	BurnOld
10102170	26/06/2010	GroundTruth_JW	568246	7063687	UTMZ7N_WGS84		BrownDark		Moderate	B	80		Good	BurnOld
10102171	26/06/2010	GroundTruth_JW	568211	7063653	UTMZ7N_WGS84		BrownDark		Moderate	C	100		Good	BurnOld
10102172	26/06/2010	GroundTruth_JW	568175	7063615	UTMZ7N_WGS84		BrownDark		Moderate	C	90		Good	BurnOld
10102173	26/06/2010	GroundTruth_JW	568144	7063579	UTMZ7N_WGS84		BrownDark		Moderate	C	90		Excellent	BurnOld
10102174	26/06/2010	GroundTruth_JW	568107	7063544	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	100		Poor	BurnOld
10102175	26/06/2010	GroundTruth_JW	568074	7063507	UTMZ7N_WGS84		BrownDark		Moderate	C	70		Good	BurnOld
10102176	26/06/2010	GroundTruth_JW	568040	7063467	UTMZ7N_WGS84		BrownDark		Moderate	C	80		Good	BurnOld
10102177	26/06/2010	GroundTruth_JW	568006	7063431	UTMZ7N_WGS84		Green		Moderate	C	80		Excellent	BurnOld
10102178	26/06/2010	GroundTruth_JW	567908	7063315	UTMZ7N_WGS84		Green		Moderate	C	70		Good	BurnOld
10102179	26/06/2010	GroundTruth_JW	567868	7063285	UTMZ7N_WGS84		BrownDark	Gravel	Moderate	C	40		Good	BurnOld
10102180	26/06/2010	GroundTruth_JW	567834	7063253	UTMZ7N_WGS84		Green		Moderate	C	90		Excellent	BurnOld
10102181	26/06/2010	GroundTruth_JW	567800	7063215	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	40		Good	BurnOld
10102185	26/06/2010	GroundTruth_AN	568973	7064180	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
10102186	26/06/2010	GroundTruth_AN	568938	7064142	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102187	26/06/2010	GroundTruth_AN	568905	7064106	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
10102188	26/06/2010	GroundTruth_AN	568869	7064068	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102189	26/06/2010	GroundTruth_AN	568836	7064032	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
10102190	26/06/2010	GroundTruth_AN	568803	7063995	UTMZ7N_WGS84		RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
10102191	26/06/2010	GroundTruth_AN	568769	7063958	UTMZ7N_WGS84		RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
10102192	26/06/2010	GroundTruth_AN	568731	7063918	UTMZ7N_WGS84		RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
10102193	26/06/2010	GroundTruth_AN	568699	7063884	UTMZ7N_WGS84		RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
10102194	26/06/2010	GroundTruth_AN	568664	7063846	UTMZ7N_WGS84		RustyRed	Sand	Moderate	C	60		Excellent	BurnOld
10102195	26/06/2010	GroundTruth_AN	568632	7063812	UTMZ7N_WGS84		Grey	Sand	Moderate	C	60		Excellent	BurnOld
10102196	26/06/2010	GroundTruth_AN	568597	7063774	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102197	26/06/2010	GroundTruth_AN	568555	7063729	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
10102198	26/06/2010	GroundTruth_AN	568524	7063695	UTMZ7N_WGS84		BrownDark	Gravel	Moderate	C	60	Frozen	Good	BurnOld
10102199	26/06/2010	GroundTruth_AN	568488	7063655	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
10102200	26/06/2010	GroundTruth_AN	568457	7063622	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
10102201	26/06/2010	GroundTruth_AN	568422	7063587	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
10102202	26/06/2010	GroundTruth_AN	568388	7063550	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
10102203	26/06/2010	GroundTruth_AN	568354	7063513	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
10102204	26/06/2010	GroundTruth_AN	568321	7063474	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
10102205	26/06/2010	GroundTruth_AN	568285	7063440	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	70	Wet	Good	BurnOld
10102206	26/06/2010	GroundTruth_AN	568253	7063398	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
10102207	26/06/2010	GroundTruth_AN	568215	7063367	UTMZ7N_WGS84		BrownDark	Clay	Moderate	B	70	Wet	Good	BurnOld
10102209	26/06/2010	GroundTruth_AN	568183	7063333	UTMZ7N_WGS84		BrownDark	Clay	Moderate	B	100	Wet	Good	BurnOld
10102210	26/06/2010	GroundTruth_AN	568148	7063296	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
10102211	26/06/2010	GroundTruth_AN	568115	7063255	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
10102212	26/06/2010	GroundTruth_AN	568078	7063220	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
10102213	26/06/2010	GroundTruth_AN	567977	7063111	UTMZ7N_WGS84		BrownDark	Clay	Moderate	B	90	Wet	Good	BurnOld
10102214	26/06/2010	GroundTruth_AN	567944	7063077	UTMZ7N_WGS84		BrownDark	Clay	Moderate	B	70	Wet	Good	BurnOld
10102220	26/06/2010	GroundTruth_AC	568977	7064037	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	50		Good	BurnOld
10102221	26/06/2010	GroundTruth_AC	568943	7063999	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
10102222	26/06/2010	GroundTruth_AC	568910	7063963	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
10102223	26/06/2010	GroundTruth_AC	568874	7063927	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	40		Good	BurnOld
10102224	26/06/2010	GroundTruth_AC	568839	7063893	UTMZ7N_WGS84		BrownDark	Silt	Flat	C	70		Excellent	BurnOld
10102225	26/06/2010	GroundTruth_AC	568807	7063853	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
10102226	26/06/2010	GroundTruth_AC	568771	7063818	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
10102227	26/06/2010	GroundTruth_AC	568740	7063779	UTMZ7N_WGS84		RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
10102228	26/06/2010	GroundTruth_AC	568706	7063743	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
10102229	26/06/2010	GroundTruth_AC	568671	7063705	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
10102230	26/06/2010	GroundTruth_AC	568631	7063662	UTMZ7N_WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
10102231	26/06/2010	GroundTruth_AC	568598	7063626	UTMZ7N_WGS84		BrownDark	Silt	Moderate	C	80		Excellent	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10102232	26/06/2010	GroundTruth AC	568561	7063588	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
10102233	26/06/2010	GroundTruth AC	568530	7063552	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	90		Excellent	BurnOld
10102234	26/06/2010	GroundTruth AC	568496	7063517	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	90		Excellent	BurnOld
10102235	26/06/2010	GroundTruth AC	568461	7063479	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
10102236	26/06/2010	GroundTruth AC	568427	7063444	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
10102237	26/06/2010	GroundTruth AC	568393	7063406	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
10102238	26/06/2010	GroundTruth AC	568357	7063373	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
10102239	26/06/2010	GroundTruth AC	568324	7063332	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
10102240	26/06/2010	GroundTruth AC	568290	7063298	UTMZ7N WGS84		Grey	Sand	Moderate	C	70		Excellent	BurnOld
10102241	26/06/2010	GroundTruth AC	568255	7063259	UTMZ7N WGS84		Grey	Sand	Moderate	C	60		Excellent	BurnOld
10102242	26/06/2010	GroundTruth AC	568223	7063224	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10102243	26/06/2010	GroundTruth AC	568185	7063190	UTMZ7N WGS84		BrownDark	Silt	Moderate	B	70		Good	BurnOld
10102244	26/06/2010	GroundTruth AC	568150	7063151	UTMZ7N WGS84		BrownDark	Silt	Moderate	B	80		Good	BurnOld
10102245	26/06/2010	GroundTruth AC	568123	7063110	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	60		Good	BurnOld
10102246	26/06/2010	GroundTruth AC	568084	7063077	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
10102247	26/06/2010	GroundTruth AC	568016	7063005	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	90		Excellent	BurnOld
10102253	26/06/2010	GroundTruth TH	568901	7064247	UTMZ7N WGS84		Orange	Silt	Moderate	C	70		Excellent	BurnOld
10102254	26/06/2010	GroundTruth TH	568863	7064206	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
10102255	26/06/2010	GroundTruth TH	568833	7064174	UTMZ7N WGS84		Green	Sand	Moderate	C	90		Excellent	BurnOld
10102256	26/06/2010	GroundTruth TH	568797	7064136	UTMZ7N WGS84		Orange	Silt	Moderate	B	100		Good	BurnOld
10102257	26/06/2010	GroundTruth TH	568764	7064100	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	80		Excellent	BurnOld
10102258	26/06/2010	GroundTruth TH	568729	7064064	UTMZ7N WGS84		BrownDark	Gravel	Steep	C	70		Good	BurnOld
10102259	26/06/2010	GroundTruth TH	568696	7064022	UTMZ7N WGS84		BrownLight	Sand	Steep	C	100		Good	BurnOld
10102260	26/06/2010	GroundTruth TH	568664	7063988	UTMZ7N WGS84		BrownDark	Silt	Steep	B	40		Good	BurnOld
10102261	26/06/2010	GroundTruth TH	568628	7063951	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	BurnOld
10102262	26/06/2010	GroundTruth TH	568594	7063917	UTMZ7N WGS84		BrownDark	Sand	Steep	C	80		Excellent	BurnOld
10102263	26/06/2010	GroundTruth TH	568563	7063882	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	70	Wet	Excellent	BurnOld
10102264	26/06/2010	GroundTruth TH	568523	7063840	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	50		Good	BurnOld
10102265	26/06/2010	GroundTruth TH	568496	7063805	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	80	Wet	Good	BurnOld
10102266	26/06/2010	GroundTruth TH	568457	7063769	UTMZ7N WGS84		BrownDark	Silt	Steep	C	60		Excellent	BurnOld
10102267	26/06/2010	GroundTruth TH	568421	7063731	UTMZ7N WGS84		BrownDark	Silt	Steep	B	40		Poor	BurnOld
10102268	26/06/2010	GroundTruth TH	568390	7063694	UTMZ7N WGS84		BrownDark	Silt	Steep	C	60		Excellent	BurnOld
10102269	26/06/2010	GroundTruth TH	568354	7063658	UTMZ7N WGS84		BrownDark	Silt	Steep	C	70	Wet	Excellent	BurnOld
10102270	26/06/2010	GroundTruth TH	568320	7063620	UTMZ7N WGS84		BrownLight	Silt	Steep	C	70	Wet	Excellent	BurnOld
10102271	26/06/2010	GroundTruth TH	568289	7063588	UTMZ7N WGS84		BrownLight	Silt	Steep	C	90		Excellent	BurnOld
10102272	26/06/2010	GroundTruth TH	568256	7063549	UTMZ7N WGS84		BrownDark	Silt	Steep	C	90		Excellent	BurnOld
10102273	26/06/2010	GroundTruth TH	568211	7063508	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
10102274	26/06/2010	GroundTruth TH	568176	7063471	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	40		Excellent	BurnOld
10102275	26/06/2010	GroundTruth TH	568148	7063437	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	40		Excellent	BurnOld
10102276	26/06/2010	GroundTruth TH	568107	7063394	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
10102277	26/06/2010	GroundTruth TH	568077	7063364	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
10102279	26/06/2010	GroundTruth TH	568042	7063326	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	40		Excellent	BurnOld
10102280	26/06/2010	GroundTruth TH	568008	7063289	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	60		Excellent	BurnOld
10102281	26/06/2010	GroundTruth TH	567975	7063256	UTMZ7N WGS84		BrownLight	Silt	Moderate	C	80		Excellent	BurnOld
10102283	26/06/2010	GroundTruth TH	567872	7063146	UTMZ7N WGS84		Green	Silt	Moderate	C	70		Excellent	BurnOld
10105550	25/06/2010	GroundTruth DB	571677	7059604	UTMZ7N WGS84		Green	Silt	Moderate	C	60		Excellent	BurnOld
10105551	25/06/2010	GroundTruth DB	571646	7059566	UTMZ7N WGS84		BrownDark	Silt	Flat	C	70		Excellent	BurnOld
10105552	25/06/2010	GroundTruth DB	571610	7059532	UTMZ7N WGS84		BrownLight	Silt	Moderate	C	80		Excellent	BurnOld
10105553	25/06/2010	GroundTruth DB	572568	7060553	UTMZ7N WGS84		Green	Silt	Moderate	C	80		Excellent	BurnOld
10105554	25/06/2010	GroundTruth DB	572533	7060516	UTMZ7N WGS84		BrownLight	Silt	Moderate	C	60		Excellent	BurnOld
10105555	25/06/2010	GroundTruth DB	572500	7060479	UTMZ7N WGS84		RustyRed	Silt	Moderate	C	70		Excellent	ForestAspen
10105556	25/06/2010	GroundTruth DB	572464	7060443	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	70		Excellent	ForestAspen
10105557	25/06/2010	GroundTruth DB	572429	7060406	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
10105558	25/06/2010	GroundTruth DB	572397	7060369	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
10105561	25/06/2010	GroundTruth DB	572362	7060333	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
10105562	25/06/2010	GroundTruth DB	572328	7060296	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
10105563	25/06/2010	GroundTruth DB	572294	7060260	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Excellent	BurnOld
10105564	25/06/2010	GroundTruth DB	572262	7060222	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
10105565	25/06/2010	GroundTruth DB	572227	7060185	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
10105566	25/06/2010	GroundTruth DB	572193	7060149	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10105567	25/06/2010	GroundTruth DB	572162	7060113	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Excellent	BurnOld
10105568	25/06/2010	GroundTruth DB	572127	7060076	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
10105569	25/06/2010	GroundTruth DB	572094	7060040	UTMZ7N WGS84		Grey	Sand	RidgeAlpine	C	50	Dry	Excellent	AlpineBare
10105570	25/06/2010	GroundTruth DB	572059	7060004	UTMZ7N WGS84		Brown	Clay	ModerateS	B	40	Moist	Good	AlpineBare
10105571	25/06/2010	GroundTruth DB	572026	7059968	UTMZ7N WGS84		Brown	Silt	ModerateSE	B	30	Moist	Good	AlpineBare
10105572	25/06/2010	GroundTruth DB	571990	7059931	UTMZ7N WGS84		Tan	Sand	ModerateSE	C	70	Dry	Excellent	SubAlpineBrush
10105573	25/06/2010	GroundTruth DB	571958	7059894	UTMZ7N WGS84		BrownDark	Silt	SteepSE	C	90	Dry	Excellent	SubAlpineBrush
10105574	25/06/2010	GroundTruth DB	571922	7059860	UTMZ7N WGS84		Brown	Silt	SteepSE	C	60	Dry	Excellent	SubAlpineBrush
10105575	25/06/2010	GroundTruth DB	571887	7059822	UTMZ7N WGS84		Brown	Silt	SteepSE	C	30	Dry	Excellent	SubAlpineBrush
10105576	25/06/2010	GroundTruth DB	571852	7059788	UTMZ7N WGS84		BrownDark	Silt	SteepSE	C	60	Dry	Excellent	SubAlpineBrush
10105577	25/06/2010	GroundTruth DB	571817	7059748	UTMZ7N WGS84		Brown	Silt	SteepSE	C	50	Dry	Good	SubAlpineBrush
10105578	25/06/2010	GroundTruth DB	571784	7059713	UTMZ7N WGS84		Brown	Silt	ModerateSE	C	60	Dry	Excellent	SubAlpineBrush
10105579	25/06/2010	GroundTruth DB	571749	7059677	UTMZ7N WGS84		Brown	Silt	ModerateSE	C	40	Dry	Excellent	SubAlpineBrush
10105580	25/06/2010	GroundTruth DB	571714	7059641	UTMZ7N WGS84		Brown	Silt	ModerateSE	C	60	Dry	Excellent	SubAlpineBrush
10105595	25/06/2010	GroundTruth CC	572266	7060081	UTMZ7N WGS84		Brown	Silt	ModerateSE	C	40	Dry	Excellent	SubAlpineBrush
10105596	25/06/2010	GroundTruth CC	572232	7060044	UTMZ7N WGS84		Brown	Silt	ModerateSE	C	60	Dry	Excellent	SubAlpineBrush
10105597	25/06/2010	GroundTruth CC	572196	7060008	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	C	20	Dry	Good	AlpineBare
10105598	25/06/2010	GroundTruth CC	572166	7059971	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	C	40	Dry	Good	AlpineBare
10105599	25/06/2010	GroundTruth CC	572131	7059935	UTMZ7N WGS84		Brown	Clay	ModerateW	B	60	Dry	Good	SubAlpineBrush
10105600	25/06/2010	GroundTruth CC	572095	7059898	UTMZ7N WGS84		Brown	Silt	Ridge	B	60	Dry	Good	BurnOld
10105601	25/06/2010	GroundTruth CC	572064	7059861	UTMZ7N WGS84		Brown	Clay	Ridge	B	60	Dry	Good	BurnOld
10105602	25/06/2010	GroundTruth CC	572026	7059825	UTMZ7N WGS84		RustyRed	Silt	Ridge	B	60	Dry	Excellent	BurnOld
10105603	25/06/2010	GroundTruth CC	571994	7059790	UTMZ7N WGS84		Brown	Silt	Ridge	C	50	Dry	Excellent	BurnOld
10105604	25/06/2010	GroundTruth CC	571959	7059753	UTMZ7N WGS84		Brown	Silt	Ridge	B	30	Dry	Good	BurnOld
10105605	25/06/2010	GroundTruth CC	571924	7059718	UTMZ7N WGS84		Brown	Silt	Ridge	C	30	Dry	Excellent	BurnOld
10105606	25/06/2010	GroundTruth CC	571888	7059680	UTMZ7N WGS84		Brown	Silt	Ridge	C	50	Dry	Good	BurnOld
10105607	25/06/2010	GroundTruth CC	571856	7059644	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	20	Dry	Excellent	BurnOld
10105608	25/06/2010	GroundTruth CC	571822	7059606	UTMZ7N WGS84		Brown	Sand	Ridge	C	50	Dry	Good	BurnOld
10105609	25/06/2010	GroundTruth CC	571786	7059573	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Good	BurnOld
10105610	25/06/2010	GroundTruth CC	571753	7059534	UTMZ7N WGS84		Brown	Silt	ModerateE	C	60	Dry	Excellent	SubAlpineBrush
10105611	25/06/2010	GroundTruth CC	572403	7060229	UTMZ7N WGS84		Brown	Clay	ModerateE	B	50	Dry	Good	SubAlpineBrush
10105612	25/06/2010	GroundTruth CC	572369	7060191	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	40	Dry	Excellent	SubAlpineBrush
10105613	25/06/2010	GroundTruth CC	572334	7060154	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	50	Dry	Good	BurnOld
10105614	25/06/2010	GroundTruth CC	572300	7060119	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	50	Dry	Good	BurnOld
10105616	26/06/2010	GroundTruth DB	570290	7062953	UTMZ7N WGS84		Brown	Clay	ModerateSW	B	60	Dry	Good	BurnOld
10105617	26/06/2010	GroundTruth DB	570255	7062914	UTMZ7N WGS84		Brown	Silt	SteepSW	B	40	Dry	Good	BurnOld
10105618	26/06/2010	GroundTruth DB	570222	7062877	UTMZ7N WGS84		Brown	Silt	SteepSW	B	40	Dry	Good	BurnOld
10105619	26/06/2010	GroundTruth DB	570187	7062840	UTMZ7N WGS84		Blue	Silt	ModerateSW	C	90	Dry	Excellent	BurnOld
10105620	26/06/2010	GroundTruth DB	570154	7062804	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	70	Dry	Good	BurnOld
10105621	26/06/2010	GroundTruth DB	570117	7062768	UTMZ7N WGS84		Brown	Silt	Ridge	B	50	Dry	Good	BurnOld
10105622	26/06/2010	GroundTruth DB	570085	7062730	UTMZ7N WGS84		Brown	Silt	Ridge	B	30	Dry	Good	BurnOld
10105623	26/06/2010	GroundTruth DB	570050	7062695	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	40	Dry	Good	BurnOld
10105624	26/06/2010	GroundTruth DB	570017	7062658	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	40	Dry	Good	BurnOld
10105625	26/06/2010	GroundTruth DB	569983	7062620	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	60	Dry	Good	BurnOld
10105627	26/06/2010	GroundTruth DB	569948	7062585	UTMZ7N WGS84		Brown	Silt	ModerateW	B	40	Dry	Good	BurnOld
10105628	26/06/2010	GroundTruth DB	569915	7062546	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	40	Dry	Good	BurnOld
10105629	26/06/2010	GroundTruth DB	569880	7062511	UTMZ7N WGS84		Brown	Silt	ModerateW	B	60	Dry	Good	BurnOld
10105630	26/06/2010	GroundTruth DB	569847	7062473	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	60	Dry	Excellent	BurnOld
10105631	26/06/2010	GroundTruth DB	569812	7062437	UTMZ7N WGS84		BrownDark	Silt	ModerateW	B	60	Dry	Good	BurnOld
10105632	26/06/2010	GroundTruth DB	569779	7062398	UTMZ7N WGS84		BrownDark	Silt	ModerateW	B	100	Dry	Good	BurnOld
10105633	26/06/2010	GroundTruth DB	569744	7062364	UTMZ7N WGS84		Blue	Silt	ModerateW	C	40	Dry	Good	BurnOld
10105634	26/06/2010	GroundTruth DB	569711	7062327	UTMZ7N WGS84		Blue	Silt	ModerateW	C	50	Dry	Excellent	BurnOld
10105635	26/06/2010	GroundTruth DB	569678	7062291	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	60	Dry	Good	BurnOld
10105636	26/06/2010	GroundTruth DB	569641	7062256	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	70	Dry	Good	BurnOld
10105637	26/06/2010	GroundTruth DB	569608	7062216	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	60	Dry	Excellent	BurnOld
10105638	26/06/2010	GroundTruth DB	569574	7062181	UTMZ7N WGS84		Brown	Clay	Ridge	B	60	Dry	Good	SubAlpineBrush
10105639	26/06/2010	GroundTruth DB	569539	7062144	UTMZ7N WGS84		Brown	Clay	Ridge	B	60	Dry	Good	BurnOld
10105640	26/06/2010	GroundTruth DB	569505	7062109	UTMZ7N WGS84		Brown	Silt	Ridge	B	40	Dry	Good	SubAlpineBrush
10105641	26/06/2010	GroundTruth DB	569472	7062073	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	60	Dry	Good	BurnOld
10105642	26/06/2010	GroundTruth DB	569437	7062035	UTMZ7N WGS84		BrownDark	Sand	Ridge	C	60	Dry	Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10105643	26/06/2010	GroundTruth DB	569401	7062001	UTMZ7N WGS84		BrownDark	Silt	Ridge	B	50	Dry	Good	BurnOld
10105644	26/06/2010	GroundTruth DB	569368	7061964	UTMZ7N WGS84		RustyRed	Sand	Ridge	C	40	Dry	Good	BurnOld
10105645	26/06/2010	GroundTruth DB	569333	7061927	UTMZ7N WGS84		Brown	Silt	Ridge	B	60	Dry	Good	BurnOld
10105646	26/06/2010	GroundTruth DB	569298	7061890	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	40	Dry	Good	BurnOld
10105647	26/06/2010	GroundTruth DB	569263	7061854	UTMZ7N WGS84		Brown	Silt	Ridge	B	50	Dry	Good	BurnOld
10105648	26/06/2010	GroundTruth CC	570436	7062814	UTMZ7N WGS84		Brown	Gravel	Ridge	C	60	Dry	Good	BurnOld
10105649	26/06/2010	GroundTruth CC	570402	7062778	UTMZ7N WGS84		Brown	Clay	Ridge	B	50	Dry	Good	BurnOld
10105650	26/06/2010	GroundTruth CC	570369	7062742	UTMZ7N WGS84		Brown	Silt	Ridge	C	60	Dry	Excellent	BurnOld
10105651	26/06/2010	GroundTruth CC	570334	7062703	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	40	Dry	Excellent	BurnOld
10105652	26/06/2010	GroundTruth CC	570299	7062668	UTMZ7N WGS84		Brown	Silt	ModerateN	B	40	Dry	Good	BurnOld
10105653	26/06/2010	GroundTruth CC	570266	7062630	UTMZ7N WGS84		Brown	Silt	ModerateN	C	40	Dry	Good	BurnOld
10105654	26/06/2010	GroundTruth CC	570233	7062594	UTMZ7N WGS84		Brown	Silt	ModerateN	C	80	Dry	Good	BurnOld
10105655	26/06/2010	GroundTruth CC	570197	7062556	UTMZ7N WGS84		Brown	Sand	Ridge	B	60	Dry	Good	BurnOld
10105656	26/06/2010	GroundTruth CC	570163	7062519	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C	60	Dry	Good	BurnOld
10105657	26/06/2010	GroundTruth CC	570129	7062483	UTMZ7N WGS84		Brown	Clay	ModerateNW	B	30	Moist	Poor	ForestMixed
10105658	26/06/2010	GroundTruth CC	570095	7062447	UTMZ7N WGS84		Brown	Sand	ModerateNW	C	50	Dry	Good	ForestMixed
10105659	26/06/2010	GroundTruth CC	570062	7062410	UTMZ7N WGS84		BrownDark	Sand	Ridge	C	70	Dry	Good	ForestMixed
10105660	26/06/2010	GroundTruth CC	570028	7062373	UTMZ7N WGS84		Brown	Sand	Ridge	C	40	Dry	Good	ForestMixed
10105661	26/06/2010	GroundTruth CC	569994	7062336	UTMZ7N WGS84		Brown	Sand	Ridge	C	30	Dry	Good	ForestMixed
10105662	26/06/2010	GroundTruth CC	569960	7062300	UTMZ7N WGS84		Brown	Sand	Ridge	C	60	Dry	Good	ForestMixed
10105663	26/06/2010	GroundTruth CC	569926	7062263	UTMZ7N WGS84		Brown	Sand	Ridge	C	50	Dry	Good	ForestMixed
10105664	26/06/2010	GroundTruth CC	569892	7062225	UTMZ7N WGS84		BrownLight	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
10105665	26/06/2010	GroundTruth CC	569858	7062190	UTMZ7N WGS84		BrownDark	Sand	SteepSW	C	60	Dry	Excellent	ForestMixed
10105666	26/06/2010	GroundTruth CC	569821	7062151	UTMZ7N WGS84		BrownLight	Sand	SteepSW	C	60	Dry	Excellent	ForestMixed
10105667	26/06/2010	GroundTruth CC	569786	7062114	UTMZ7N WGS84		BrownDark	Sand	SteepSW	C	60	Dry	Excellent	ForestMixed
10105668	26/06/2010	GroundTruth CC	569751	7062079	UTMZ7N WGS84		BrownLight	Sand	SteepSW	C	60	Dry	Excellent	ForestMixed
10105669	26/06/2010	GroundTruth CC	569718	7062043	UTMZ7N WGS84		BrownLight	Sand	SteepSW	C	60	Dry	Excellent	ForestMixed
10105670	26/06/2010	GroundTruth CC	569683	7062005	UTMZ7N WGS84		Green	Sand	Flat	C	40	Dry	Excellent	ForestMixed
10105671	26/06/2010	GroundTruth CC	569648	7061970	UTMZ7N WGS84		BrownDark	Sand	ModerateSW	C	30	Dry	Good	ForestMixed
10105672	26/06/2010	GroundTruth CC	569613	7061932	UTMZ7N WGS84		BrownLight	Sand	ModerateSW	C	40	Dry	Good	ForestMixed
10105673	26/06/2010	GroundTruth CC	569580	7061897	UTMZ7N WGS84		Brown	Sand	ModerateNW	C	30	Dry	Good	ForestMixed
10105674	26/06/2010	GroundTruth CC	569545	7061861	UTMZ7N WGS84		BrownDark	Sand	ModerateNW	C	40	Dry	Good	ForestMixed
10105675	26/06/2010	GroundTruth CC	569512	7061824	UTMZ7N WGS84		BrownDark	Sand	ModerateNW	C	40	Dry	Good	ForestMixed
10105676	26/06/2010	GroundTruth CC	569477	7061786	UTMZ7N WGS84		Brown	Sand	Flat	C	30	Dry	Good	ForestMixed
10105677	26/06/2010	GroundTruth CC	569444	7061751	UTMZ7N WGS84		BrownDark	Sand	Flat	C	30	Dry	Excellent	ForestMixed
10105678	26/06/2010	GroundTruth CC	569407	7061714	UTMZ7N WGS84		BrownLight	Sand	ModerateNW	C	50	Dry	Excellent	ForestMixed
10105679	26/06/2010	GroundTruth CC	569374	7061678	UTMZ7N WGS84		Green	Sand	Flat	C	40	Dry	Excellent	ForestMixed
10105751	26/06/2010	GroundTruth CP	569714	7062185	UTMZ7N WGS84		BrownDark	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
10105752	26/06/2010	GroundTruth CP	569680	7062148	UTMZ7N WGS84		Green	Sand	ModerateNW	C	40	Dry	Excellent	ForestMixed
10105753	26/06/2010	GroundTruth CP	569645	7062112	UTMZ7N WGS84		Green	Sand	ModerateNW	C	40	Dry	Excellent	ForestMixed
10105754	26/06/2010	GroundTruth CP	569612	7062076	UTMZ7N WGS84		Green	Sand	ModerateNW	C	50	Dry		ForestMixed
10105755	26/06/2010	GroundTruth CP	569576	7062040	UTMZ7N WGS84		BrownLight	Sand	ModerateNW	C	30		Good	ForestMixed
10105756	26/06/2010	GroundTruth CP	569543	7062002	UTMZ7N WGS84		Green	Sand	ModerateNW	C	40	Dry	Good	ForestMixed
10105757	26/06/2010	GroundTruth CP	569507	7061967	UTMZ7N WGS84		Green	Sand	ModerateW	C	60	Dry	Good	ForestMixed
10105758	26/06/2010	GroundTruth CP	569473	7061928	UTMZ7N WGS84		BrownLight	Silt	ModerateW	C	40	Dry	Good	ForestMixed
10105759	26/06/2010	GroundTruth CP	569438	7061893	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	70	Dry	Excellent	ForestMixed
10105760	26/06/2010	GroundTruth CP	569405	7061856	UTMZ7N WGS84		Green	Sand	ModerateW	C	70	Dry	Excellent	ForestMixed
10105762	26/06/2010	GroundTruth CP	569337	7061783	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	70	Dry	Excellent	BurnOld
10105763	26/06/2010	GroundTruth CP	569301	7061746	UTMZ7N WGS84		Brown	Clay	Ridge	B	40	Moist	Good	BurnOld
10109779	17/10/2010	GroundTruth CC	567329	7068722	UTMZ7N WGS84		Brown	Sand	Ridge	C	50	Dry	Good	BurnOld
10109780	17/10/2010	GroundTruth CC	567294	7068684	UTMZ7N WGS84		Brown	Silt	Ridge	C	50	Dry	Good	BurnOld
10109781	17/10/2010	GroundTruth CC	567262	7068648	UTMZ7N WGS84		Brown	Sand	Ridge	C	50	Dry	Excellent	BurnOld
10109782	17/10/2010	GroundTruth CC	567227	7068612	UTMZ7N WGS84		BrownDark	Sand	Ridge	C	40	Dry	Good	BurnOld
10109783	17/10/2010	GroundTruth CC	567194	7068574	UTMZ7N WGS84		Brown	Sand	ModerateW	C	60	Dry	Excellent	ForestMixed
10109784	17/10/2010	GroundTruth CC	567159	7068538	UTMZ7N WGS84		Brown	Silt	ModerateW	C	60	Dry	Good	ForestMixed
10109785	17/10/2010	GroundTruth CC	566581	7067916	UTMZ7N WGS84		Grey	Silt	ModerateW	C	60	Dry	Excellent	ForestMixed
10109786	17/10/2010	GroundTruth CC	566547	7067879	UTMZ7N WGS84		BrownLight	Silt	ModerateW	C	70	Dry	Excellent	ForestMixed
10109787	17/10/2010	GroundTruth CC	566512	7067842	UTMZ7N WGS84		Orange	Silt	ModerateW	C	50	Dry	Excellent	ForestMixed
10109788	17/10/2010	GroundTruth CC	566479	7067804	UTMZ7N WGS84		Brown	Silt	ModerateW	C	40	Dry	Good	ForestMixed
10109789	17/10/2010	GroundTruth CC	566444	7067769	UTMZ7N WGS84		BrownDark	Silt	Flat	C	40	Dry	Good	BurnOld



Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation	
10109790	17/10/2010	GroundTruth	CC	566410	7067733	UTMZ7N	WGS84	Brown	Sand	ModerateSW	C	40	Dry	Good	ForestMixed
10109792	17/10/2010	GroundTruth	CC	566375	7067697	UTMZ7N	WGS84	Brown	Silt	ModerateSW	C	40	Dry	Good	ForestMixed
10109793	17/10/2010	GroundTruth	CC	566340	7067659	UTMZ7N	WGS84	Grey	Silt	Flat	C	60	Dry	Excellent	BurnOld
10109794	17/10/2010	GroundTruth	CC	566306	7067622	UTMZ7N	WGS84	BrownDark	Silt	Flat	C	50	Dry	Good	ForestMixed
10109801	17/10/2010	GroundTruth	CC	567125	7068501	UTMZ7N	WGS84	Brown	Sand	Flat	C	40	Dry	Good	ForestMixed
10109802	17/10/2010	GroundTruth	CC	567090	7068465	UTMZ7N	WGS84	White	Sand	Flat	C	40	Dry	Excellent	ForestMixed
10109803	17/10/2010	GroundTruth	CC	567056	7068427	UTMZ7N	WGS84	Brown	Silt	ModerateSW	C	40	Dry	Good	ForestMixed
10109804	17/10/2010	GroundTruth	CC	567022	7068389	UTMZ7N	WGS84	Brown	Clay	ModerateSW	B	40	Moist	Good	ForestMixed
10109805	17/10/2010	GroundTruth	CC	566989	7068353	UTMZ7N	WGS84	Grey	Silt	ModerateSW	C	40	Dry	Good	ForestMixed
10109806	17/10/2010	GroundTruth	CC	566954	7068317	UTMZ7N	WGS84	Grey	Silt	ModerateSW	C	80	Dry	Good	ForestMixed
10109807	17/10/2010	GroundTruth	CC	566921	7068280	UTMZ7N	WGS84	Grey	Silt	ModerateSW	C	60	Dry	Good	ForestMixed
10109808	17/10/2010	GroundTruth	CC	566888	7068245	UTMZ7N	WGS84	BrownDark	Gravel	ModerateW	B	40	Moist	Poor	ForestBlackSpruce
10109809	17/10/2010	GroundTruth	CC	566855	7068209	UTMZ7N	WGS84	Grey	Silt	ModerateW	C	40	Dry	Good	ForestBlackSpruce
10109810	17/10/2010	GroundTruth	CC	566822	7068171	UTMZ7N	WGS84	Brown	Sand	ModerateW	C	80	Dry	Excellent	ForestBlackSpruce
10109811	17/10/2010	GroundTruth	CC	566785	7068135	UTMZ7N	WGS84	Brown	Silt	ModerateW	C	60	Dry	Good	ForestBlackSpruce
10109812	17/10/2010	GroundTruth	CC	566751	7068099	UTMZ7N	WGS84	BrownDark	Silt	ModerateW	C	60	Dry	Excellent	ForestBlackSpruce
10109813	17/10/2010	GroundTruth	CC	566717	7068063	UTMZ7N	WGS84	Brown	Silt	ModerateW	C	50	Dry	Good	ForestBlackSpruce
10109814	17/10/2010	GroundTruth	CC	566683	7068025	UTMZ7N	WGS84	Brown	Sand	SteepW	C	60	Dry	Excellent	ForestBlackSpruce
10109815	17/10/2010	GroundTruth	CC	566649	7067989	UTMZ7N	WGS84	Brown	Sand	SteepW	C	80	Dry	Good	ForestBlackSpruce
10109816	17/10/2010	GroundTruth	CC	566615	7067952	UTMZ7N	WGS84	BrownDark	Silt	Flat	C	80	Dry	Good	ForestBlackSpruce
10128207	23/09/2010	GroundTruth	AC	571870	7060381	UTMZ7N	WGS84	Brown	Silt	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
10128208	23/09/2010	GroundTruth	AC	571836	7060349	UTMZ7N	WGS84	Brown	Sand	Ridge	C	40	Dry	Excellent	AlpineBare
10128209	23/09/2010	GroundTruth	AC	571797	7060312	UTMZ7N	WGS84	Brown	Silt	RidgeAlpine	B	30	Dry	Poor	AlpineBare
10128853	23/09/2010	GroundTruth	DB	571285	7060058	UTMZ7N	WGS84	Brown	Silt	RidgeAlpine	B	30	Dry	Good	AlpineBare
10134598	23/09/2010	GroundTruth	AC	572413	7060973	UTMZ7N	WGS84	Brown	Silt	RidgeAlpine	B	30	Moist	Poor	AlpineBare
10134599	23/09/2010	GroundTruth	AC	572381	7060930	UTMZ7N	WGS84	Brown	Silt	RidgeAlpine	B	30	Moist	Good	AlpineBare
10134600	23/09/2010	GroundTruth	AC	572345	7060898	UTMZ7N	WGS84	Brown	Silt	RidgeAlpine	B	40	Dry	Poor	AlpineBare
10134636	23/09/2010	GroundTruth	AC	572310	7060862	UTMZ7N	WGS84	Brown	Silt	RidgeAlpine	C	40	Dry	Good	AlpineBare
10134637	23/09/2010	GroundTruth	AC	572274	7060825	UTMZ7N	WGS84	Brown	Silt	RidgeAlpine	B	40	Dry	Good	AlpineBare
10134638	23/09/2010	GroundTruth	AC	572242	7060788	UTMZ7N	WGS84	Brown	Silt	RidgeAlpine	C	40	Dry	Good	AlpineBare
10134639	23/09/2010	GroundTruth	AC	572207	7060750	UTMZ7N	WGS84	Brown	Silt	RidgeAlpine	B	30	Dry	Good	AlpineBare
10134640	23/09/2010	GroundTruth	AC	572177	7060714	UTMZ7N	WGS84	Brown	Silt	RidgeAlpine	B	20	Dry	Poor	AlpineBare
10134641	23/09/2010	GroundTruth	AC	572141	7060676	UTMZ7N	WGS84	BrownDark	Silt	RidgeAlpine	B	30	Moist	Poor	AlpineBare
10134642	23/09/2010	GroundTruth	AC	572106	7060641	UTMZ7N	WGS84	Brown	Silt	RidgeAlpine	B	50	Moist	Good	AlpineBare
10134643	23/09/2010	GroundTruth	AC	572072	7060604	UTMZ7N	WGS84	Brown	Silt	RidgeAlpine	B	40	Moist	Good	AlpineBare
10134645	23/09/2010	GroundTruth	AC	572037	7060568	UTMZ7N	WGS84	Brown	Silt	SteepS	B	40	Moist	Good	AlpineBare
10134646	23/09/2010	GroundTruth	AC	572005	7060529	UTMZ7N	WGS84	Brown	Silt	SteepSE	B	40	Dry	Good	AlpineBare
10134647	23/09/2010	GroundTruth	AC	571968	7060495	UTMZ7N	WGS84	Brown	Silt	SteepSE	B	40	Dry	Good	AlpineBare
10134648	23/09/2010	GroundTruth	AC	571937	7060455	UTMZ7N	WGS84	Brown	Silt	SteepSE	B	50	Dry	Good	AlpineBare
10134649	23/09/2010	GroundTruth	AC	571900	7060421	UTMZ7N	WGS84	Brown	Silt	SteepSE	C	20	Dry	Excellent	AlpineBare
10146182	23/09/2010	GroundTruth	AC	571766	7060273	UTMZ7N	WGS84	Brown	Silt	Flat	C	50	Dry	Excellent	BurnOld
10146183	23/09/2010	GroundTruth	AC	571737	7060246	UTMZ7N	WGS84	Brown	Silt	ModerateN	C	40	Moist	Excellent	BurnOld
10146184	23/09/2010	GroundTruth	AC	571701	7060209	UTMZ7N	WGS84	BrownLight	Silt	ModerateNW	C	60	Dry	Excellent	BurnOld
10146185	23/09/2010	GroundTruth	AC	571666	7060173	UTMZ7N	WGS84	Tan	Silt	Flat	C	70	Dry	Excellent	BurnOld
10146186	23/09/2010	GroundTruth	AC	571635	7060137	UTMZ7N	WGS84	Brown	Silt	ModerateNW	C	40	Dry	Excellent	BurnOld
10146187	23/09/2010	GroundTruth	AC	571600	7060100	UTMZ7N	WGS84	Brown	Silt	Ridge	C	50	Dry	Excellent	BurnOld
10146188	23/09/2010	GroundTruth	AC	571566	7060066	UTMZ7N	WGS84	Brown	Silt	Flat	C	30	Dry	Excellent	BurnOld
10146189	23/09/2010	GroundTruth	AC	571533	7060026	UTMZ7N	WGS84	Brown	Silt	ModerateNW	C	40	Dry	Excellent	BurnOld
10146190	23/09/2010	GroundTruth	AC	571498	7059989	UTMZ7N	WGS84	Brown	Silt	Flat	C	60	Dry	Excellent	BurnOld
10146191	23/09/2010	GroundTruth	AC	571462	7059955	UTMZ7N	WGS84	Brown	Silt	ModerateW	C	40	Dry	Good	BurnOld
10146192	23/09/2010	GroundTruth	AC	571429	7059918	UTMZ7N	WGS84	BrownDark	Sand	Depression	C	40	Dry	Excellent	BurnOld
10146193	23/09/2010	GroundTruth	AC	571394	7059882	UTMZ7N	WGS84	Brown	Sand	ModerateW	C	60	Dry	Excellent	BurnOld
10146194	23/09/2010	GroundTruth	AC	571359	7059846	UTMZ7N	WGS84	Brown	Sand	ModerateSW	C	50	Dry	Excellent	BurnOld
10146302	23/09/2010	GroundTruth	DB	571421	7060204	UTMZ7N	WGS84	Brown	Silt	ModerateSW	C	40	Dry	Excellent	BurnOld
10146303	23/09/2010	GroundTruth	DB	571387	7060168	UTMZ7N	WGS84	Brown	Silt	ModerateSW	B	40	Dry	Good	BurnOld
10146304	23/09/2010	GroundTruth	DB	571353	7060130	UTMZ7N	WGS84	Brown	Silt	ModerateSW	C	40	Dry	Excellent	BurnOld
10146305	23/09/2010	GroundTruth	DB	571321	7060093	UTMZ7N	WGS84	Orange	Clay	Ridge	B	70	Dry	Good	BurnOld
10147085	10/10/2010	GroundTruth	AW	568121	7066342	UTMZ7N	WGS84	Brown	Silt	ModerateSW	B	60	Dry	Good	BurnOld
10147086	10/10/2010	GroundTruth	AW	568089	7066306	UTMZ7N	WGS84	Tan	Sand	Ridge	C	40	Dry	Excellent	BurnOld
10147248	24/09/2010	GroundTruth	AC	569415	7063770	UTMZ7N	WGS84	Brown	Silt	Ridge	B	40	Dry	Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10147249	24/09/2010	GroundTruth AC	569383	7063730	UTMZ7N WGS84		Brown	Silt	Ridge	B	60	Dry	Excellent	BurnOld
10147250	24/09/2010	GroundTruth AC	569348	7063694	UTMZ7N WGS84		Brown	Silt	Ridge	B	60	Dry	Good	ForestMixed
10147251	24/09/2010	GroundTruth AC	569315	7063656	UTMZ7N WGS84		Brown	Silt	Ridge	B	60	Dry	Good	ForestMixed
10147252	24/09/2010	GroundTruth AC	569280	7063620	UTMZ7N WGS84		Brown	Silt	Ridge	C	60	Moist	Excellent	ForestMixed
10147253	24/09/2010	GroundTruth AC	569247	7063581	UTMZ7N WGS84		Brown	Silt	Ridge	C	60	Moist	Excellent	ForestMixed
10147254	24/09/2010	GroundTruth AC	569211	7063547	UTMZ7N WGS84		Brown	Silt	ModerateS	C	50	Dry	Excellent	ForestMixed
10147255	24/09/2010	GroundTruth AC	569174	7063512	UTMZ7N WGS84		Tan	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
10147256	24/09/2010	GroundTruth AC	569108	7063437	UTMZ7N WGS84		Brown	Silt	ModerateS	C	40	Frozen	Excellent	ForestMixed
10147257	24/09/2010	GroundTruth AC	569075	7063402	UTMZ7N WGS84		Brown	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
10147258	24/09/2010	GroundTruth AC	569039	7063365	UTMZ7N WGS84		Brown	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
10147259	24/09/2010	GroundTruth AC	569007	7063326	UTMZ7N WGS84		Brown	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
10147260	24/09/2010	GroundTruth AC	568973	7063290	UTMZ7N WGS84		Brown	Silt	ModerateS	C	40	Dry	Excellent	ForestMixed
10147261	24/09/2010	GroundTruth AC	568935	7063255	UTMZ7N WGS84		Brown	Silt	ModerateS	C	40	Dry	Excellent	BurnOld
10147262	24/09/2010	GroundTruth AC	568903	7063219	UTMZ7N WGS84		Brown	Silt	ModerateS	C	40	Dry	Excellent	BurnOld
10147263	24/09/2010	GroundTruth AC	568866	7063180	UTMZ7N WGS84		Tan	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10147264	24/09/2010	GroundTruth AC	568835	7063144	UTMZ7N WGS84		Brown	Silt	SteepS	C	40	Dry	Excellent	BurnOld
10147265	24/09/2010	GroundTruth AC	568800	7063108	UTMZ7N WGS84		Brown	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10147266	24/09/2010	GroundTruth AC	568759	7063060	UTMZ7N WGS84		Brown	Silt	ModerateS	B	40	Dry	Good	BurnOld
10147267	24/09/2010	GroundTruth AC	568718	7063020	UTMZ7N WGS84		Brown	Silt	ModerateS	C	40	Dry	Excellent	BurnOld
10147268	24/09/2010	GroundTruth AC	568683	7062984	UTMZ7N WGS84		Tan	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10147269	24/09/2010	GroundTruth AC	568652	7062946	UTMZ7N WGS84		Brown	Silt	ModerateS	C	50	Dry	Good	BurnOld
10147270	24/09/2010	GroundTruth AC	568617	7062912	UTMZ7N WGS84		Brown	Silt	ModerateW	B	50	Dry	Good	SubAlpineBrush
10147271	24/09/2010	GroundTruth AC	568583	7062876	UTMZ7N WGS84		Brown	Silt	ModerateW	B	50	Dry	Good	SubAlpineBrush
10147272	24/09/2010	GroundTruth AC	568548	7062841	UTMZ7N WGS84		Brown	Silt	ModerateW	B	50	Dry	Good	SubAlpineBrush
10147273	24/09/2010	GroundTruth AC	568515	7062801	UTMZ7N WGS84		Brown	Silt	ModerateW	B	30	Dry	Good	BurnOld
10147274	24/09/2010	GroundTruth AC	568480	7062766	UTMZ7N WGS84		Brown	Silt	ModerateW	B	50	Dry	Good	BurnOld
10147275	24/09/2010	GroundTruth AC	568448	7062733	UTMZ7N WGS84		Grey	Silt	ModerateW	C	50	Dry	Excellent	BurnOld
10147276	24/09/2010	GroundTruth AC	568411	7062693	UTMZ7N WGS84		Brown	Silt	ModerateW	B	40	Dry	Good	BurnOld
10147277	24/09/2010	GroundTruth AC	568377	7062655	UTMZ7N WGS84		Brown	Silt	ModerateW	C	70	Dry	Excellent	BurnOld
10147368	24/09/2010	GroundTruth AN	569338	7063837	UTMZ7N WGS84		Brown	Silt	ModerateW	C	50	Dry	Excellent	BurnOld
10147369	24/09/2010	GroundTruth AN	569303	7063805	UTMZ7N WGS84		Green	Silt	ModerateW	C	70	Dry	Excellent	BurnOld
10147370	24/09/2010	GroundTruth AN	569274	7063762	UTMZ7N WGS84		Brown	Silt	ModerateW	C	50	Dry	Excellent	BurnOld
10147371	24/09/2010	GroundTruth AN	569240	7063725	UTMZ7N WGS84		Brown	Silt	ModerateW	C	50	Dry	Excellent	BurnOld
10147372	24/09/2010	GroundTruth AN	569206	7063690	UTMZ7N WGS84		Green	Silt	ModerateW	C	40	Dry	Excellent	BurnOld
10147373	24/09/2010	GroundTruth AN	569168	7063655	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Excellent	BurnOld
10147374	24/09/2010	GroundTruth AN	569136	7063618	UTMZ7N WGS84		Brown	Silt	Ridge	B	40	Dry	Good	BurnOld
10147375	24/09/2010	GroundTruth AN	569103	7063577	UTMZ7N WGS84		Orange	Silt	Ridge	C	50	Dry	Excellent	BurnOld
10147376	24/09/2010	GroundTruth AN	569067	7063545	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	50	Dry	Excellent	BurnOld
10147377	24/09/2010	GroundTruth AN	569034	7063505	UTMZ7N WGS84		Tan	Silt	Ridge	C	50	Dry	Good	BurnOld
10147378	24/09/2010	GroundTruth AN	568996	7063471	UTMZ7N WGS84		Tan	Silt	Ridge	C	50	Dry	Excellent	BurnOld
10147379	24/09/2010	GroundTruth AN	568964	7063429	UTMZ7N WGS84		Orange	Silt	Ridge	C	50	Dry	Good	BurnOld
10147380	24/09/2010	GroundTruth AN	568899	7063361	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Good	BurnOld
10147381	24/09/2010	GroundTruth AN	568864	7063322	UTMZ7N WGS84		Brown	Silt	SteepS	B	40	Dry	Excellent	BurnOld
10147382	24/09/2010	GroundTruth AN	568827	7063289	UTMZ7N WGS84		Tan	Silt	Ridge	C	60	Frozen	Excellent	BurnOld
10147383	24/09/2010	GroundTruth AN	568797	7063247	UTMZ7N WGS84		Tan	Silt	Ridge	C	40	Dry	Excellent	BurnOld
10147384	24/09/2010	GroundTruth AN	568760	7063214	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	40	Dry	Good	BurnOld
10147385	24/09/2010	GroundTruth AN	568726	7063179	UTMZ7N WGS84		Tan	Sand	Ridge	C	40	Dry	Excellent	BurnOld
10147386	24/09/2010	GroundTruth AN	568695	7063138	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	60	Dry	Excellent	BurnOld
10147387	24/09/2010	GroundTruth AN	568660	7063107	UTMZ7N WGS84		Tan	Silt	ModerateNW	C	40	Dry	Excellent	BurnOld
10147388	24/09/2010	GroundTruth AN	568623	7063071	UTMZ7N WGS84		Brown	Silt	ModerateNW	C	40	Dry	Good	BurnOld
10147389	24/09/2010	GroundTruth AN	568589	7063027	UTMZ7N WGS84		Tan	Silt	Ridge	C	60	Dry	Excellent	BurnOld
10147390	24/09/2010	GroundTruth AN	568559	7062992	UTMZ7N WGS84		Blue	Silt	Ridge	C	50	Dry	Excellent	BurnOld
10147391	24/09/2010	GroundTruth AN	568524	7062963	UTMZ7N WGS84		Green	Silt	Ridge	C	40	Dry	Excellent	BurnOld
10147392	24/09/2010	GroundTruth AN	568490	7062919	UTMZ7N WGS84		Grey	Silt	Ridge	C	50	Dry	Excellent	BurnOld
10147393	24/09/2010	GroundTruth AN	568456	7062886	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Excellent	BurnOld
10147394	24/09/2010	GroundTruth AN	568419	7062849	UTMZ7N WGS84		Brown	Silt	ModerateNW	C	50	Dry	Excellent	BurnOld
10147395	24/09/2010	GroundTruth AN	568383	7062815	UTMZ7N WGS84		Brown	Silt	ModerateW	C	50	Dry	Excellent	BurnOld
10147396	24/09/2010	GroundTruth AN	568350	7062780	UTMZ7N WGS84		Brown	Silt	ModerateW	C	50	Dry	Excellent	BurnOld
10147397	24/09/2010	GroundTruth AN	568317	7062745	UTMZ7N WGS84		Brown	Silt	ModerateNW	C	50	Dry	Excellent	BurnOld
10147400	24/09/2010	GroundTruth DB	569195	7063975	UTMZ7N WGS84		Brown	Silt	SteepNW	C	50	Dry	Excellent	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10147401	24/09/2010	GroundTruth DB	569161	7063936	UTMZ7N WGS84		Brown	Silt	ModerateS	C	60	Dry	Good	BurnOld
10147402	24/09/2010	GroundTruth DB	569125	7063900	UTMZ7N WGS84		Brown	Silt	ModerateS	C	80	Dry	Excellent	BurnOld
10147403	24/09/2010	GroundTruth DB	569091	7063862	UTMZ7N WGS84		Brown	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10147404	24/09/2010	GroundTruth DB	569055	7063828	UTMZ7N WGS84		Brown	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10147405	24/09/2010	GroundTruth DB	569024	7063791	UTMZ7N WGS84		Brown	Silt	ModerateS	C	40	Dry	Excellent	BurnOld
10147406	24/09/2010	GroundTruth DB	568987	7063752	UTMZ7N WGS84		Brown	Silt	ModerateS	C	50	Dry	Excellent	BurnOld
10147407	24/09/2010	GroundTruth DB	568956	7063716	UTMZ7N WGS84		Green	Silt	ModerateS	C	50	Dry	Excellent	BurnOld
10147408	24/09/2010	GroundTruth DB	568920	7063682	UTMZ7N WGS84		Brown	Silt	ModerateSE	C	40	Dry	Excellent	BurnOld
10147409	24/09/2010	GroundTruth DB	568888	7063640	UTMZ7N WGS84		Brown	Silt	ModerateN	C	30	Dry	Good	BurnOld
10147410	24/09/2010	GroundTruth DB	568854	7063605	UTMZ7N WGS84		Brown	Silt	ModerateN	C	30	Dry	Good	BurnOld
10147411	24/09/2010	GroundTruth DB	568816	7063571	UTMZ7N WGS84		Brown	Silt	ModerateN	B	40	Dry	Good	BurnOld
10147412	24/09/2010	GroundTruth DB	568783	7063533	UTMZ7N WGS84		Brown	Silt	ModerateN	B	40	Dry	Good	BurnOld
10147413	24/09/2010	GroundTruth DB	568717	7063460	UTMZ7N WGS84		Brown	Silt	ModerateN	B	80	Dry	Good	BurnOld
10147414	24/09/2010	GroundTruth DB	568748	7063497	UTMZ7N WGS84		Brown	Silt	ModerateN	C	40	Dry	Good	BurnOld
10147415	24/09/2010	GroundTruth DB	568682	7063423	UTMZ7N WGS84		Brown	Silt	ModerateN	C	40	Dry	Good	BurnOld
10147416	24/09/2010	GroundTruth DB	568639	7063382	UTMZ7N WGS84		Grey	Silt	ModerateN	B	40	Moist	Good	BurnOld
10147417	24/09/2010	GroundTruth DB	568605	7063342	UTMZ7N WGS84		BrownDark	Silt	ModerateNW	B	60	Dry	Poor	BurnOld
10147418	24/09/2010	GroundTruth DB	568571	7063306	UTMZ7N WGS84		Brown	Silt	ModerateNW	C	40	Dry	Good	BurnOld
10147419	24/09/2010	GroundTruth DB	568539	7063267	UTMZ7N WGS84		BrownDark	Silt	ModerateNW	B	50	Dry	Poor	BurnOld
10147420	24/09/2010	GroundTruth DB	568502	7063230	UTMZ7N WGS84		BrownDark	Silt	ModerateNW	B	40	Dry	Poor	BurnOld
10147421	24/09/2010	GroundTruth DB	568467	7063195	UTMZ7N WGS84		BrownDark	Silt	ModerateNW	B	30	Moist	Poor	BurnOld
10147422	24/09/2010	GroundTruth DB	568434	7063157	UTMZ7N WGS84		BrownDark	Silt	ModerateNW	B	40	Dry	Poor	BurnOld
10147423	24/09/2010	GroundTruth DB	568398	7063123	UTMZ7N WGS84		Brown	Silt	Ridge	B	50	Dry	Good	ForestMixed
10147424	24/09/2010	GroundTruth DB	568365	7063086	UTMZ7N WGS84		Brown	Silt	Ridge	B	50	Dry	Good	ForestMixed
10147425	24/09/2010	GroundTruth DB	568331	7063049	UTMZ7N WGS84		Brown	Silt	Ridge	B	40	Dry	Good	ForestMixed
10147426	24/09/2010	GroundTruth DB	568297	7063012	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
10147427	24/09/2010	GroundTruth DB	568264	7062976	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
10147428	24/09/2010	GroundTruth DB	568229	7062939	UTMZ7N WGS84		Brown	Silt	Ridge	B	30	Dry	Good	ForestMixed
10147429	24/09/2010	GroundTruth DB	568194	7062903	UTMZ7N WGS84									
10147431	24/09/2010	GroundTruth DB	568161	7062868	UTMZ7N WGS84		Brown	Silt	Ridge	B	40	Moist	Poor	ForestMixed
10147448	24/09/2010	GroundTruth IB	569268	7063907	UTMZ7N WGS84		Brown	Silt	ModerateW	C	40	Dry	Good	ForestMixed
10147449	24/09/2010	GroundTruth IB	569232	7063869	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
10147450	24/09/2010	GroundTruth IB	569198	7063834	UTMZ7N WGS84		Brown	Silt	SteepSW	B	30	Dry	Poor	ForestMixed
10147451	24/09/2010	GroundTruth IB	569165	7063797	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	40	Dry	Good	ForestMixed
10147452	24/09/2010	GroundTruth IB	569129	7063758	UTMZ7N WGS84			Silt	SteepSW	C	40	Dry	Excellent	ForestMixed
10147453	24/09/2010	GroundTruth IB	569097	7063723	UTMZ7N WGS84		Green	Silt	SteepSW	C	50	Dry	Excellent	ForestMixed
10147454	24/09/2010	GroundTruth IB	569063	7063686	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
10147455	24/09/2010	GroundTruth IB	569030	7063650	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
10147456	24/09/2010	GroundTruth IB	568995	7063614	UTMZ7N WGS84		Brown	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
10147457	24/09/2010	GroundTruth IB	568960	7063577	UTMZ7N WGS84		Brown	Silt	ModerateNW	C	40	Dry	Excellent	ForestMixed
10147458	24/09/2010	GroundTruth IB	568924	7063538	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
10147459	24/09/2010	GroundTruth IB	568892	7063504	UTMZ7N WGS84		Brown	Sand	ModerateN	C	40	Moist	Excellent	ForestMixed
10147460	24/09/2010	GroundTruth IB	568856	7063466	UTMZ7N WGS84		Brown	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
10147461	24/09/2010	GroundTruth IB	568824	7063431	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
10147462	24/09/2010	GroundTruth IB	568789	7063393	UTMZ7N WGS84		Brown	Silt	Ridge	B	50	Dry	Good	ForestMixed
10147463	24/09/2010	GroundTruth IB	568753	7063357	UTMZ7N WGS84		Brown	Silt	ModerateN	B	40	Moist	Good	ForestMixed
10147464	24/09/2010	GroundTruth IB	568721	7063321	UTMZ7N WGS84		Brown	Silt	ModerateNW	C	40	Dry	Excellent	ForestAspen
10147465	24/09/2010	GroundTruth IB	568686	7063284	UTMZ7N WGS84		Brown	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
10147466	24/09/2010	GroundTruth IB	568651	7063246	UTMZ7N WGS84		Brown	Silt	Ridge	B	60	Moist	Poor	ForestMixed
10147467	24/09/2010	GroundTruth IB	568619	7063210	UTMZ7N WGS84		Brown	Silt	ModerateNW	B	40	Moist	Poor	ForestMixed
10147468	24/09/2010	GroundTruth IB	568586	7063174	UTMZ7N WGS84		Brown	Silt	ModerateNW	C	50	Dry	Good	ForestMixed
10147469	24/09/2010	GroundTruth IB	568538	7063126	UTMZ7N WGS84		Green	Silt	Ridge	C	70	Dry	Excellent	ForestMixed
10147470	24/09/2010	GroundTruth IB	568503	7063091	UTMZ7N WGS84		BrownDark	Silt	Ridge	B	30	Dry	Poor	ForestMixed
10147471	24/09/2010	GroundTruth IB	568471	7063052	UTMZ7N WGS84		Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed
10147472	24/09/2010	GroundTruth IB	568436	7063016	UTMZ7N WGS84		Blue	Sand	Ridge	C	40	Dry	Good	ForestMixed
10147473	24/09/2010	GroundTruth IB	568402	7062979	UTMZ7N WGS84			Silt	Ridge	C	40	Dry	Good	ForestMixed
10147474	24/09/2010	GroundTruth IB	568367	7062941	UTMZ7N WGS84		Blue	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
10147475	24/09/2010	GroundTruth IB	568334	7062906	UTMZ7N WGS84		Blue	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
10147476	24/09/2010	GroundTruth IB	568299	7062869	UTMZ7N WGS84		Brown	Silt	Ridge	B	20	Dry	Poor	ForestMixed
10147477	24/09/2010	GroundTruth IB	568267	7062835	UTMZ7N WGS84		Brown	Silt	Ridge	B	40	Dry	Good	ForestMixed

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10147478	24/09/2010	GroundTruth	568233	7062797	UTMZ7N WGS84		Brown	Silt	Ridge	B	40	Dry	Good	ForestMixed
10148018	08/10/2010	GroundTruth	568536	7064588	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
10148019	08/10/2010	GroundTruth	568501	7064551	UTMZ7N WGS84		Brown	Silt	Ridge	B	40	Dry	Good	ForestMixed
10148020	08/10/2010	GroundTruth	568467	7064515	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
10148021	08/10/2010	GroundTruth	568433	7064479	UTMZ7N WGS84		Orange	Silt	Ridge	C	40	Dry	Good	ForestMixed
10148022	08/10/2010	GroundTruth	568367	7064404	UTMZ7N WGS84		Brown	Silt	Ridge	B	40	Dry	Good	ForestMixed
10148155	08/10/2010	GroundTruth	568331	7064370	UTMZ7N WGS84		Brown	Silt	Ridge	B	30	Dry	Poor	ForestMixed
10148156	08/10/2010	GroundTruth	568297	7064331	UTMZ7N WGS84		Brown	Silt	Ridge	B	30	Dry	Poor	ForestMixed
10148157	08/10/2010	GroundTruth	568229	7064259	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
10148158	08/10/2010	GroundTruth	568195	7064222	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
10148159	08/10/2010	GroundTruth	568160	7064185	UTMZ7N WGS84		Green	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
10148160	08/10/2010	GroundTruth	568127	7064148	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
10148161	08/10/2010	GroundTruth	568093	7064112	UTMZ7N WGS84		Green	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
10148162	08/10/2010	GroundTruth	568058	7064076	UTMZ7N WGS84		Brown	Silt	Ridge	B	30	Dry	Poor	ForestMixed
10148163	08/10/2010	GroundTruth	568023	7064039	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
10148164	08/10/2010	GroundTruth	567990	7064003	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
10148165	08/10/2010	GroundTruth	567956	7063967	UTMZ7N WGS84		Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
10148166	08/10/2010	GroundTruth	567922	7063930	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
10148167	08/10/2010	GroundTruth	567887	7063893	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	50	Dry	Good	ForestMixed
10148168	08/10/2010	GroundTruth	567854	7063858	UTMZ7N WGS84		Blue	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
10148169	08/10/2010	GroundTruth	567820	7063821	UTMZ7N WGS84		Blue	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
10148170	08/10/2010	GroundTruth	567786	7063784	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
10148171	08/10/2010	GroundTruth	567753	7063747	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	30	Dry	Excellent	ForestMixed
10148172	08/10/2010	GroundTruth	567718	7063711	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	30	Dry	Good	ForestMixed
10148174	08/10/2010	GroundTruth	567683	7063673	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	60	Dry	Excellent	ForestMixed
10148175	08/10/2010	GroundTruth	567649	7063637	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	40	Dry	Good	ForestMixed
10148176	08/10/2010	GroundTruth	567615	7063601	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	40	Dry	Good	ForestMixed
10148177	08/10/2010	GroundTruth	567581	7063564	UTMZ7N WGS84		Green	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
10148178	08/10/2010	GroundTruth	567546	7063526	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	40	Dry	Good	ForestMixed
10148179	09/10/2010	GroundTruth	568486	7066002	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
10148180	09/10/2010	GroundTruth	568452	7065965	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
10148181	09/10/2010	GroundTruth	568419	7065927	UTMZ7N WGS84		Brown	Sand	RidgeAlpine	C		Dry	Excellent	SubAlpineBrush
10148182	09/10/2010	GroundTruth	568384	7065891	UTMZ7N WGS84		Colorless	Silt	ModerateSE	B	50	Dry	Good	SubAlpineBrush
10148183	09/10/2010	GroundTruth	568350	7065856	UTMZ7N WGS84		BrownLight	Silt	ModerateSE	C	60	Dry	Excellent	SubAlpineBrush
10148184	09/10/2010	GroundTruth	568316	7065818	UTMZ7N WGS84		Orange	Silt	ModerateSE	C	60	Dry	Excellent	SubAlpineBrush
10148185	09/10/2010	GroundTruth	568282	7065782	UTMZ7N WGS84		Orange	Silt	ModerateSE	C	80	Dry	Excellent	BurnOld
10148186	09/10/2010	GroundTruth	568248	7065745	UTMZ7N WGS84		Orange	Silt	ModerateSE	C	80	Dry	Excellent	BurnOld
10148187	09/10/2010	GroundTruth	568213	7065708	UTMZ7N WGS84		BrownLight	Silt	ModerateSE	C	40	Dry	Excellent	BurnOld
10148188	09/10/2010	GroundTruth	568179	7065671	UTMZ7N WGS84		BrownLight	Silt	ModerateSE	C	80	Dry	Excellent	BurnOld
10148189	09/10/2010	GroundTruth	568145	7065635	UTMZ7N WGS84		Orange	Silt	ModerateSE	C	80	Dry	Excellent	BurnOld
10148190	09/10/2010	GroundTruth	568145	7065635	UTMZ7N WGS84		Orange	Silt	ModerateSE	C	80	Dry	Excellent	ForestMixed
10148191	09/10/2010	GroundTruth	568111	7065599	UTMZ7N WGS84		BrownLight	Silt	ModerateSE	C	70	Dry	Excellent	BurnOld
10148192	09/10/2010	GroundTruth	568078	7065562	UTMZ7N WGS84		Orange	Silt	ModerateSE	C	50	Dry	Excellent	BurnOld
10148193	09/10/2010	GroundTruth	568043	7065526	UTMZ7N WGS84		Green	Silt	ModerateSE	C	80	Dry	Excellent	BurnOld
10148194	09/10/2010	GroundTruth	568008	7065489	UTMZ7N WGS84		BrownLight	Silt		C	50	Dry	Excellent	BurnOld
10148195	09/10/2010	GroundTruth	567975	7065452	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	C	60	Dry	Excellent	BurnOld
10148196	09/10/2010	GroundTruth	567942	7065417	UTMZ7N WGS84		BrownLight	Silt	ModerateSE	C	50	Dry	Excellent	ForestMixed
10148199	10/10/2010	GroundTruth	567549	7065438	UTMZ7N WGS84		BrownLight	Silt	ModerateSE	C	70	Dry	Excellent	BurnOld
10148200	10/10/2010	GroundTruth	567517	7065401	UTMZ7N WGS84		RustyOrange	Silt	ModerateSE	C	70	Dry	Excellent	BurnOld
10148201	10/10/2010	GroundTruth	567482	7065364	UTMZ7N WGS84		BrownLight	Silt	Ridge	B	60	Dry	Good	SubAlpineBrush
10148202	10/10/2010	GroundTruth	567448	7065329	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	50	Dry	Excellent	SubAlpineBrush
10148203	10/10/2010	GroundTruth	567414	7065292	UTMZ7N WGS84		BrownLight	Silt	Ridge	B	50	Moist	Good	SubAlpineBrush
10148204	10/10/2010	GroundTruth	567380	7065256	UTMZ7N WGS84		Green	Sand	Ridge	C	60	Dry	Excellent	SubAlpineFir
10148205	10/10/2010	GroundTruth	567346	7065218	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	40	Dry	Excellent	SubAlpineBrush
10148206	10/10/2010	GroundTruth	567314	7065183	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	50	Dry	Excellent	SubAlpineFir
10148207	10/10/2010	GroundTruth	567420	7065152	UTMZ7N WGS84		BrownDark	Silt	Ridge	B	50	Dry	Good	SubAlpineBrush
10148208	10/10/2010	GroundTruth	567386	7065114	UTMZ7N WGS84		BrownDark	Silt	Ridge	B	50	Moist	Good	SubAlpineBrush
10148209	10/10/2010	GroundTruth	567351	7065078	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	40	Dry	Good	SubAlpineBrush
10148210	10/10/2010	GroundTruth	567318	7065042	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	60	Dry	Excellent	SubAlpineBrush
10148211	17/10/2010	GroundTruth	567633	7067140	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	60	Dry	Excellent	SubAlpineBrush

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10148212	09/10/2010	GroundTruth WW	567909	7065381	UTMZ7N WGS84		Brown	Sand	SteepW	B	40	Dry	Poor	SubAlpineBrush
10148213	09/10/2010	GroundTruth WW	567874	7065344	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	40	Dry	Poor	SubAlpineBrush
10148214	09/10/2010	GroundTruth WW	567838	7065307	UTMZ7N WGS84		BrownLight	Silt	SteepW	B	40	Dry	Poor	SubAlpineBrush
10148215	09/10/2010	GroundTruth WW	567805	7065271	UTMZ7N WGS84		Brown	Sand	DrainageSeasonal	B	40	Dry	Excellent	SubAlpineBrush
10148216	09/10/2010	GroundTruth WW	567771	7065234	UTMZ7N WGS84		Brown	Silt	DrainageSeasonal	B	40	Moist	Good	ForestPine
10148217	09/10/2010	GroundTruth WW	567737	7065197	UTMZ7N WGS84		BrownDark	Silt	DrainageSeasonal	B	40	Frozen	Excellent	SubAlpineBrush
10148218	09/10/2010	GroundTruth WW	567703	7065161	UTMZ7N WGS84		Green	Silt	Ridge	C	60	Dry	Excellent	BurnOld
10148219	09/10/2010	GroundTruth WW	567668	7065125	UTMZ7N WGS84		Green	Silt	Ridge	C	60	Dry	Excellent	BurnOld
10148220	09/10/2010	GroundTruth WW	567634	7065087	UTMZ7N WGS84		Green	Silt	Ridge	C	40	Dry	Excellent	BurnOld
10148221	09/10/2010	GroundTruth WW	567601	7065051	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	60	Dry	Excellent	BurnOld
10148222	09/10/2010	GroundTruth WW	567532	7064978	UTMZ7N WGS84		Green	Silt	Ridge	C	60	Dry	Excellent	BurnOld
10148223	09/10/2010	GroundTruth WW	567499	7064941	UTMZ7N WGS84		BrownDark	Silt	Ridge	B	40	Dry	Excellent	BurnOld
10148224	10/10/2010	GroundTruth WW	568267	7066207	UTMZ7N WGS84		BrownLight	Silt	Ridge	B	50	Dry		BurnOld
10148225	10/10/2010	GroundTruth WW	568233	7066168	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	50	Dry	Excellent	BurnOld
10148226	10/10/2010	GroundTruth WW	568199	7066133	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	60	Dry	Excellent	BurnOld
10149541	08/10/2010	GroundTruth DB	568999	7065523	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149542	08/10/2010	GroundTruth DB	568963	7065488	UTMZ7N WGS84		Green	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149543	08/10/2010	GroundTruth DB	568926	7065448	UTMZ7N WGS84		RustyOrange	Silt	ModerateS	C	80	Dry	Excellent	BurnOld
10149544	08/10/2010	GroundTruth DB	568863	7065376	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	70	Dry	Excellent	BurnOld
10149545	08/10/2010	GroundTruth DB	568829	7065338	UTMZ7N WGS84		Orange	Silt	ModerateS	C	80	Dry	Excellent	BurnOld
10149546	08/10/2010	GroundTruth DB	568794	7065302	UTMZ7N WGS84		Green	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149547	08/10/2010	GroundTruth DB	568759	7065267	UTMZ7N WGS84		Brown	Silt	ModerateNE	C	40	Dry	Excellent	BurnOld
10149548	08/10/2010	GroundTruth DB	568727	7065230	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149549	08/10/2010	GroundTruth DB	568689	7065194	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149585	08/10/2010	GroundTruth DB	568658	7065156	UTMZ7N WGS84		Green	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149586	08/10/2010	GroundTruth DB	568623	7065120	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149587	08/10/2010	GroundTruth DB	568589	7065083	UTMZ7N WGS84		BrownDark	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149588	08/10/2010	GroundTruth DB	568557	7065046	UTMZ7N WGS84		Colorless	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149589	08/10/2010	GroundTruth DB	568521	7065010	UTMZ7N WGS84		Brown	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149590	08/10/2010	GroundTruth DB	568488	7064973	UTMZ7N WGS84		Green	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149591	08/10/2010	GroundTruth DB	568456	7064937	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	50	Dry	Excellent	BurnOld
10149592	08/10/2010	GroundTruth DB	568422	7064901	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149593	08/10/2010	GroundTruth DB	568386	7064865	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	70	Dry	Excellent	BurnOld
10149594	08/10/2010	GroundTruth DB	568353	7064827	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	50	Dry	Excellent	BurnOld
10149595	08/10/2010	GroundTruth DB	568320	7064791	UTMZ7N WGS84		Brown	Silt	ModerateS	B	40	Dry	Good	
10149596	08/10/2010	GroundTruth DB	568285	7064754	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149597	08/10/2010	GroundTruth DB	568246	7064720	UTMZ7N WGS84		Brown	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149598	08/10/2010	GroundTruth DB	568214	7064678	UTMZ7N WGS84		BrownDark	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149599	08/10/2010	GroundTruth DB	568182	7064646	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149600	08/10/2010	GroundTruth DB	568144	7064608	UTMZ7N WGS84		Green	Silt	Ridge	C	60	Dry	Excellent	BurnOld
10149601	08/10/2010	GroundTruth DB	568112	7064571	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	80	Dry	Excellent	BurnOld
10149602	08/10/2010	GroundTruth DB	568079	7064535	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	70	Dry	Excellent	BurnOld
10149603	08/10/2010	GroundTruth DB	568045	7064500	UTMZ7N WGS84		Green	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149604	08/10/2010	GroundTruth DB	568010	7064462	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149606	08/10/2010	GroundTruth DB	567976	7064424	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149607	17/10/2010	GroundTruth DB	567367	7068617	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	50	Dry	Excellent	BurnOld
10149608	17/10/2010	GroundTruth DB	567334	7068580	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	40	Dry	Excellent	BurnOld
10149609	17/10/2010	GroundTruth DB	567300	7068542	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C	60	Dry	Good	BurnOld
10149610	09/10/2010	GroundTruth DB	568706	7065798	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C	50	Dry	Excellent	BurnOld
10149611	09/10/2010	GroundTruth DB	568672	7065759	UTMZ7N WGS84		BrownLight	Silt	ModerateN	C	60	Dry	Excellent	BurnOld
10149612	09/10/2010	GroundTruth DB	568636	7065724	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	60	Dry	Excellent	BurnOld
10149613	09/10/2010	GroundTruth DB	568600	7065687	UTMZ7N WGS84		Orange	Silt	ModerateN	C	60	Dry	Excellent	BurnOld
10149614	09/10/2010	GroundTruth DB	568568	7065650	UTMZ7N WGS84		Green	Silt	SteepN	C	60	Dry	Excellent	BurnOld
10149615	09/10/2010	GroundTruth DB	568535	7065613	UTMZ7N WGS84		BrownLight	Silt	ModerateN	C	50	Dry	Excellent	BurnOld
10149616	09/10/2010	GroundTruth DB	568501	7065576	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C	70	Moist	Excellent	BurnOld
10149617	09/10/2010	GroundTruth DB	568465	7065540	UTMZ7N WGS84		BrownDark	Silt	ModerateS	B	40	Dry	Poor	
10149618	09/10/2010	GroundTruth DB	568432	7065501	UTMZ7N WGS84		BrownLight	Silt	ModerateN	C	60	Moist	Excellent	BurnOld
10149619	08/10/2010	GroundTruth TR	568755	7064383	UTMZ7N WGS84		BrownLight	Silt	ModerateN	C	50	Moist	Excellent	BurnOld
10149620	08/10/2010	GroundTruth TR	568718	7064344	UTMZ7N WGS84		BrownLight	Silt	ModerateN	C	40	Moist	Good	BurnOld
10149621	08/10/2010	GroundTruth TR	568684	7064307	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	60	Dry	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation	
10149622	08/10/2010	GroundTruth	TR	568651	7064270	UTMZ7N	WGS84	Colorless	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
10149623	08/10/2010	GroundTruth	TR	568616	7064235	UTMZ7N	WGS84	Green	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
10149625	08/10/2010	GroundTruth	TR	568582	7064198	UTMZ7N	WGS84	Orange	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
10149626	08/10/2010	GroundTruth	TR	568548	7064161	UTMZ7N	WGS84	Orange	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
10149627	08/10/2010	GroundTruth	TR	568513	7064124	UTMZ7N	WGS84	BrownLight	Silt	Ridge	C	70	Dry	Excellent	ForestMixed
10149628	08/10/2010	GroundTruth	TR	568479	7064088	UTMZ7N	WGS84	BrownLight	Silt	Ridge	C	70	Dry	Excellent	ForestMixed
10149629	08/10/2010	GroundTruth	TR	568445	7064052	UTMZ7N	WGS84	BrownLight	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
10149630	08/10/2010	GroundTruth	TR	568412	7064015	UTMZ7N	WGS84	BrownLight	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
10149631	08/10/2010	GroundTruth	TR	568377	7063978	UTMZ7N	WGS84	BrownLight	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
10149632	08/10/2010	GroundTruth	TR	568343	7063942	UTMZ7N	WGS84	Orange	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
10149633	08/10/2010	GroundTruth	TR	568308	7063905	UTMZ7N	WGS84	BrownLight	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
10149634	08/10/2010	GroundTruth	TR	568275	7063868	UTMZ7N	WGS84	BrownLight	Silt	Ridge	C	6	Dry	Excellent	ForestMixed
10149635	08/10/2010	GroundTruth	TR	568241	7063830	UTMZ7N	WGS84	BrownLight	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
10149636	08/10/2010	GroundTruth	TR	568207	7063795	UTMZ7N	WGS84	BrownLight	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
10149637	08/10/2010	GroundTruth	TR	568172	7063759	UTMZ7N	WGS84	BrownLight	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
10149638	08/10/2010	GroundTruth	TR	568138	7063722	UTMZ7N	WGS84	Grey	Silt	Flat	C	40	Moist	Good	ForestMixed
10149639	08/10/2010	GroundTruth	TR	568105	7063685	UTMZ7N	WGS84	BrownLight	Silt	Ridge	C	50	Dry	Good	ForestMixed
10149640	08/10/2010	GroundTruth	TR	568069	7063648	UTMZ7N	WGS84	BrownLight	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
10149641	08/10/2010	GroundTruth	TR	568035	7063612	UTMZ7N	WGS84	BrownLight	Silt	Flat	C	50	Dry	Excellent	ForestMixed
10149642	08/10/2010	GroundTruth	TR	568001	7063575	UTMZ7N	WGS84	BrownLight	Silt	ModerateS	C	50	Dry	Excellent	ForestMixed
10149643	08/10/2010	GroundTruth	TR	567933	7063501	UTMZ7N	WGS84	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
10149644	08/10/2010	GroundTruth	TR	567797	7063356	UTMZ7N	WGS84	BrownLight	Silt	ModerateNE	C	60	Dry	Excellent	ForestMixed
10149645	08/10/2010	GroundTruth	TR	567729	7063283	UTMZ7N	WGS84	TalusFine	BrownDark	ModerateS	C	50	Moist	Good	ForestMixed
10149647	09/10/2010	GroundTruth	TR	568633	7065865	UTMZ7N	WGS84	BrownLight	Silt	ModerateS	C	60	Dry	Good	ForestMixed
10149648	09/10/2010	GroundTruth	TR	568600	7065830	UTMZ7N	WGS84	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
10149649	09/10/2010	GroundTruth	TR	568567	7065793	UTMZ7N	WGS84	BrownLight	Silt	ModerateS	C	50	Dry	Good	ForestMixed
10149650	09/10/2010	GroundTruth	TR	568532	7065757	UTMZ7N	WGS84	Brown	Silt	ModerateS	B	40	Moist	Good	ForestMixed
10149651	09/10/2010	GroundTruth	TR	568499	7065721	UTMZ7N	WGS84	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
10149652	09/10/2010	GroundTruth	TR	568465	7065683	UTMZ7N	WGS84	BrownLight	Silt	ModerateS	C	50	Dry	Excellent	ForestMixed
10149653	09/10/2010	GroundTruth	TR	568431	7065647	UTMZ7N	WGS84	Green	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
10149654	09/10/2010	GroundTruth	TR	568395	7065610	UTMZ7N	WGS84	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestPine
10149655	09/10/2010	GroundTruth	TR	568361	7065575	UTMZ7N	WGS84	Green	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
10149656	09/10/2010	GroundTruth	TR	568328	7065537	UTMZ7N	WGS84	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
10149657	09/10/2010	GroundTruth	TR	568293	7065501	UTMZ7N	WGS84	Grey	Silt	ModerateN	B	60	Frozen	Poor	ForestMixed
10149658	09/10/2010	GroundTruth	TR	568259	7065464	UTMZ7N	WGS84	Grey	Clay	ModerateN	B	80	Wet	Poor	ForestMixed
10149659	09/10/2010	GroundTruth	TR	568225	7065428	UTMZ7N	WGS84	Green	Silt	ModerateN	B	80	Wet	Good	ForestMixed
10149660	09/10/2010	GroundTruth	TR	568189	7065391	UTMZ7N	WGS84	Grey	Silt	ModerateN	B	70	Frozen	Good	ForestMixed
10149661	09/10/2010	GroundTruth	TR	568156	7065356	UTMZ7N	WGS84	Green	Silt	ModerateN	B	60	Frozen	Good	ForestMixed
10149662	09/10/2010	GroundTruth	TR	568088	7065279	UTMZ7N	WGS84	BrownLight	Silt	ModerateN	B	60	Frozen	Good	ForestMixed
10149663	09/10/2010	GroundTruth	TR	568053	7065243	UTMZ7N	WGS84	BrownLight	Silt	ModerateN	B	60	Moist	Excellent	ForestMixed
10149664	09/10/2010	GroundTruth	TR	568020	7065207	UTMZ7N	WGS84	BrownLight	Silt	ModerateN	C	60	Moist	Good	ForestMixed
10149665	09/10/2010	GroundTruth	TR	567986	7065170	UTMZ7N	WGS84	BrownLight	Silt	ModerateN	C	60	Dry	Excellent	ForestMixed
10149666	09/10/2010	GroundTruth	TR	567952	7065134	UTMZ7N	WGS84	BrownLight	Silt	ModerateN	C	70	Moist	Excellent	ForestMixed
10149667	09/10/2010	GroundTruth	TR	567917	7065098	UTMZ7N	WGS84	BrownLight	Silt	Flat	C	60	Moist	Excellent	ForestMixed
10149669	09/10/2010	GroundTruth	TR	567882	7065061	UTMZ7N	WGS84	BrownLight	Silt	ModerateN	B	60	Wet	Good	ForestMixed
10149670	09/10/2010	GroundTruth	TR	567849	7065024	UTMZ7N	WGS84	BrownLight	Clay	ModerateN	B	70	Moist	Good	ForestMixed
10149671	09/10/2010	GroundTruth	TR	567815	7064988	UTMZ7N	WGS84	BrownLight	Clay	Flat	B	50	Dry	Excellent	ForestMixed
10149672	09/10/2010	GroundTruth	TR	567780	7064951	UTMZ7N	WGS84	Brown	Clay	Flat	B	70	Dry	Good	ForestMixed
10149674	09/10/2010	GroundTruth	TR	567746	7064915	UTMZ7N	WGS84	BrownLight	Gravel	Flat	B	70	Moist	Good	ForestMixed
10149675	09/10/2010	GroundTruth	TR	567712	7064879	UTMZ7N	WGS84	BrownLight	Clay	Flat	B	80	Moist	Good	ForestMixed
10149676	09/10/2010	GroundTruth	TR	567678	7064841	UTMZ7N	WGS84	BrownLight	Silt	ModerateS	B	70	Moist	Good	ForestMixed
10149677	09/10/2010	GroundTruth	TR	567645	7064804	UTMZ7N	WGS84	BrownLight	Silt	ModerateN	C	80	Dry	Excellent	ForestMixed
10149678	09/10/2010	GroundTruth	TR	567609	7064768	UTMZ7N	WGS84	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
10149679	10/10/2010	GroundTruth	TR	567973	7066479	UTMZ7N	WGS84	Orange	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
10149680	10/10/2010	GroundTruth	TR	567941	7066444	UTMZ7N	WGS84	BrownLight	Silt	ModerateS	C	50	Dry	Excellent	ForestMixed
10149681	10/10/2010	GroundTruth	TR	567907	7066407	UTMZ7N	WGS84	Red	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
10149682	10/10/2010	GroundTruth	TR	567874	7066370	UTMZ7N	WGS84	Orange	Silt	ModerateS	C	80	Dry	Excellent	ForestMixed
10149683	10/10/2010	GroundTruth	TR	567839	7066334	UTMZ7N	WGS84	Orange	Silt	Flat	C	70	Dry	Excellent	ForestMixed
10149684	10/10/2010	GroundTruth	TR	567805	7066298	UTMZ7N	WGS84	Brown	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
10149685	10/10/2010	GroundTruth	TR	567772	7066261	UTMZ7N	WGS84	Grey	Silt	ModerateS	C	55	Dry	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation		
10149686	10/10/2010	GroundTruth	TR	567737	7066224	UTMZ7N	WGS84	BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed	
10149687	10/10/2010	GroundTruth	TR	567703	7066186	UTMZ7N	WGS84	BrownLight	Silt	ModerateS	C	80	Dry	Excellent	ForestMixed	
10149688	10/10/2010	GroundTruth	TR	567669	7066151	UTMZ7N	WGS84	TalusFine	Grey	Flat	C	60	Dry	Excellent	ForestAspen	
10149689	10/10/2010	GroundTruth	TR	567635	7066113	UTMZ7N	WGS84		BrownLight			60		Good	ForestMixed	
10149690	10/10/2010	GroundTruth	TR	567601	7066077	UTMZ7N	WGS84		BrownLight	ModerateS	C	60	Dry	Excellent	ForestMixed	
10149691	10/10/2010	GroundTruth	TR	567566	7066040	UTMZ7N	WGS84		BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
10149692	10/10/2010	GroundTruth	TR	567532	7066004	UTMZ7N	WGS84		BrownLight	Silt	Flat	C	70	Dry	Excellent	ForestMixed
10149693	10/10/2010	GroundTruth	TR	567498	7065967	UTMZ7N	WGS84		BrownLight	Silt	Flat	C	60	Dry	Excellent	ForestMixed
10149694	10/10/2010	GroundTruth	TR	567463	7065931	UTMZ7N	WGS84		Green	Silt	Flat	C	50	Dry	Excellent	ForestMixed
10149696	10/10/2010	GroundTruth	TR	567429	7065894	UTMZ7N	WGS84		BrownLight	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
10149697	10/10/2010	GroundTruth	TR	567395	7065857	UTMZ7N	WGS84		Grey	Silt	ModerateN	C	50	Dry	Excellent	ForestMixed
10149698	10/10/2010	GroundTruth	TR	567362	7065820	UTMZ7N	WGS84		BrownLight	Silt	Flat		50			
10149699	10/10/2010	GroundTruth	TR	567326	7065784	UTMZ7N	WGS84		Orange	Sand	ModerateSE	C	40	Dry	Excellent	SubAlpineBrush
10149700	10/10/2010	GroundTruth	TR	567293	7065748	UTMZ7N	WGS84		Brown	Silt	ModerateSE	B	50	Dry	Good	SubAlpineBrush
10149701	10/10/2010	GroundTruth	TR	567259	7065710	UTMZ7N	WGS84		Brown	Silt	ModerateSE	B	60	Dry	Good	SubAlpineBrush
10149703	10/10/2010	GroundTruth	TR	567225	7065674	UTMZ7N	WGS84		Brown	Sand	ModerateSE	B	40	Dry	Good	SubAlpineBrush
10149704	10/10/2010	GroundTruth	TR	567191	7065638	UTMZ7N	WGS84		Brown	Sand	ModerateSE	C	50	Dry	Excellent	SubAlpineBrush
10149705	10/10/2010	GroundTruth	TR	567156	7065602	UTMZ7N	WGS84		BrownDark	Sand	ModerateSE	C	60	Dry	Excellent	SubAlpineBrush
10149706	10/10/2010	GroundTruth	TR	567123	7065564	UTMZ7N	WGS84		BrownDark	Sand	ModerateSE	C	50	Dry	Excellent	SubAlpineBrush
10149707	10/10/2010	GroundTruth	TR	567088	7065528	UTMZ7N	WGS84		BrownDark	Sand	ModerateSE	C	40	Dry	Good	BurnNew
10149708	10/10/2010	GroundTruth	TR	567053	7065493	UTMZ7N	WGS84		BrownDark	Sand	ModerateSE	C	50	Dry	Excellent	BurnNew
10149709	10/10/2010	GroundTruth	TR	567019	7065454	UTMZ7N	WGS84		BrownDark	Sand	ModerateSE	C	50	Dry	Excellent	BurnNew
10149710	10/10/2010	GroundTruth	TR	566986	7065417	UTMZ7N	WGS84		Green	Silt	ModerateSE	C	70	Moist	Excellent	BurnNew
10149711	10/10/2010	GroundTruth	TR	566951	7065381	UTMZ7N	WGS84		Brown	Sand	ModerateSE	C	50	Dry	Excellent	BurnNew
10149713	11/10/2010	GroundTruth	TR	568923	7067644	UTMZ7N	WGS84		BrownLight	Sand	ModerateSE	C	50	Dry	Excellent	BurnNew
10149714	11/10/2010	GroundTruth	TR	568892	7067610	UTMZ7N	WGS84		Brown	Sand	ModerateSE	B	30	Dry	Good	BurnNew
10149715	11/10/2010	GroundTruth	TR	568858	7067573	UTMZ7N	WGS84		Green	Sand	ModerateSE	C	70	Dry	Excellent	BurnNew
10149716	11/10/2010	GroundTruth	TR	568824	7067536	UTMZ7N	WGS84		Brown	Sand	ModerateSE	C	40	Dry	Excellent	BurnNew
10149717	11/10/2010	GroundTruth	TR	568789	7067499	UTMZ7N	WGS84		BrownLight	Sand	ModerateSE	C	55	Dry	Excellent	BurnNew
10149718	11/10/2010	GroundTruth	TR	568756	7067463	UTMZ7N	WGS84		BrownDark	Sand	ModerateSE	C	60	Dry	Excellent	BurnNew
10149719	11/10/2010	GroundTruth	TR	568722	7067426	UTMZ7N	WGS84		BrownDark	Sand	ModerateSE	C	40	Dry	Excellent	BurnNew
10149720	11/10/2010	GroundTruth	TR	568687	7067390	UTMZ7N	WGS84		BrownDark	Sand	ModerateSE	C	50	Dry	Excellent	BurnNew
10149721	11/10/2010	GroundTruth	TR	568652	7067353	UTMZ7N	WGS84		Brown	Sand	ModerateSE	C	50	Dry	Excellent	BurnNew
10149722	11/10/2010	GroundTruth	TR	568619	7067317	UTMZ7N	WGS84		BrownLight	Sand	ModerateSE	C	60	Dry	Excellent	BurnNew
10149723	11/10/2010	GroundTruth	TR	568585	7067281	UTMZ7N	WGS84		Brown	Sand	ModerateSE	C	70	Dry	Excellent	BurnNew
10149724	11/10/2010	GroundTruth	TR	568550	7067244	UTMZ7N	WGS84		Brown	Sand	ModerateSE	C	60	Dry	Excellent	BurnNew
10149725	11/10/2010	GroundTruth	TR	568516	7067206	UTMZ7N	WGS84		Brown	Sand	ModerateSE	C	60	Dry	Excellent	BurnNew
10149726	11/10/2010	GroundTruth	TR	568482	7067170	UTMZ7N	WGS84		BrownLight	Sand	Ridge	C	40	Dry	Excellent	SubAlpineBrush
10149727	11/10/2010	GroundTruth	TR	568449	7067133	UTMZ7N	WGS84		BrownLight	Silt	Ridge	B	60	Frozen	Good	SubAlpineBrush
10149728	11/10/2010	GroundTruth	TR	568414	7067096	UTMZ7N	WGS84		BrownLight	Sand	Ridge	C	30	Dry	Excellent	SubAlpineBrush
10149729	11/10/2010	GroundTruth	TR	568380	7067059	UTMZ7N	WGS84		Brown	Silt	Ridge	B	40	Moist	Good	SubAlpineBrush
10149730	11/10/2010	GroundTruth	TR	568346	7067022	UTMZ7N	WGS84		Brown	Silt	Ridge	B	40	Dry	Good	SubAlpineBrush
10149731	11/10/2010	GroundTruth	TR	568311	7066986	UTMZ7N	WGS84		Red	Silt	Ridge	B	50	Moist	Good	SubAlpineBrush
10149732	11/10/2010	GroundTruth	TR	568277	7066951	UTMZ7N	WGS84		Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
10149733	11/10/2010	GroundTruth	TR	568243	7066915	UTMZ7N	WGS84		BrownLight	Silt	Ridge	C	70	Dry	Excellent	ForestMixed
10149734	11/10/2010	GroundTruth	TR	568209	7066877	UTMZ7N	WGS84		Brown	Sand	Ridge	C	50	Moist	Excellent	BurnOld
10149735	11/10/2010	GroundTruth	TR	568174	7066840	UTMZ7N	WGS84		BrownDark	Sand	ModerateSW	C	70	Dry	Excellent	BurnOld
10149736	11/10/2010	GroundTruth	TR	568140	7066804	UTMZ7N	WGS84		Brown	Silt	ModerateSW	B	40	Moist	Good	BurnOld
10149737	11/10/2010	GroundTruth	TR	568106	7066768	UTMZ7N	WGS84		BrownDark	Sand	ModerateSW	C	50	Dry	Excellent	BurnOld
10149738	11/10/2010	GroundTruth	TR	568071	7066731	UTMZ7N	WGS84		BrownDark	Sand	ModerateSW	C	50	Dry	Excellent	BurnOld
10149739	11/10/2010	GroundTruth	TR	568037	7066693	UTMZ7N	WGS84		BrownLight	Sand	ModerateSW	C	50	Dry	Excellent	BurnOld
10149741	11/10/2010	GroundTruth	TR	568004	7066658	UTMZ7N	WGS84		BrownDark	Sand	ModerateSW	C	60	Dry	Excellent	BurnOld
10149742	11/10/2010	GroundTruth	TR	567970	7066621	UTMZ7N	WGS84		BrownDark	Sand	ModerateSW	C	50	Dry	Excellent	BurnOld
10149743	11/10/2010	GroundTruth	TR	567935	7066585	UTMZ7N	WGS84		Brown	Sand	ModerateSW	C	30	Dry	Good	ForestMixed
10149744	16/10/2010	GroundTruth	TR	569217	7067372	UTMZ7N	WGS84		Brown	Silt	ModerateSW	B	30	Moist	Good	ForestMixed
10149745	16/10/2010	GroundTruth	TR	569184	7067336	UTMZ7N	WGS84		BrownLight	Sand	ModerateSW	C	40	Dry	Excellent	ForestMixed
10149746	16/10/2010	GroundTruth	TR	569148	7067300	UTMZ7N	WGS84		Brown	Silt	ModerateSW	B	30	Moist	Good	BurnOld
10149747	16/10/2010	GroundTruth	TR	569115	7067262	UTMZ7N	WGS84		Brown	Sand	ModerateNE	C	50	Dry	Excellent	ForestMixed
10149748	16/10/2010	GroundTruth	TR	569082	7067226	UTMZ7N	WGS84		Brown	Silt	ModerateNE	C	40	Moist	Good	BurnOld
10149749	08/10/2010	GroundTruth	IB	568608	7064520	UTMZ7N	WGS84		BrownLight	Sand	Ridge	C	40	Dry	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation	
10149750	08/10/2010	GroundTruth	IB	568574	7064483	UTMZ7N	WGS84	BrownLight	Sand	ModerateSW	C	50	Dry	Excellent	ForestMixed
10149751	08/10/2010	GroundTruth	IB	568541	7064448	UTMZ7N	WGS84	BrownLight	Sand	ModerateW	C	50	Dry	Excellent	ForestMixed
10149752	08/10/2010	GroundTruth	IB	568507	7064411	UTMZ7N	WGS84	Brown	Sand	ModerateW	C	70	Dry	Excellent	ForestMixed
10149753	08/10/2010	GroundTruth	IB	568472	7064375	UTMZ7N	WGS84	Brown	Sand	ModerateSW	C	60	Dry	Excellent	BurnOld
10149754	08/10/2010	GroundTruth	IB	568438	7064337	UTMZ7N	WGS84	BrownDark	Sand	ModerateSW	C	60	Dry	Excellent	ForestMixed
10149755	08/10/2010	GroundTruth	IB	568404	7064299	UTMZ7N	WGS84	Green	Sand	ModerateS	C	60	Dry	Excellent	BurnNew
10149756	08/10/2010	GroundTruth	IB	568369	7064263	UTMZ7N	WGS84	Brown	Sand	ModerateSW	C	60	Dry	Excellent	BurnNew
10149757	08/10/2010	GroundTruth	IB	568336	7064228	UTMZ7N	WGS84	Brown	Silt	ModerateSW	B	40	Moist	Poor	BurnNew
10149758	08/10/2010	GroundTruth	IB	568300	7064189	UTMZ7N	WGS84	Brown	Silt	ModerateSW	C	30	Dry	Good	BurnNew
10149759	08/10/2010	GroundTruth	IB	568266	7064154	UTMZ7N	WGS84	Brown	Silt	ModerateE	B	40	Moist	Good	BurnNew
10149760	08/10/2010	GroundTruth	IB	568233	7064117	UTMZ7N	WGS84	Brown	Silt	ModerateSE	B	40	Moist	Good	BurnNew
10149761	08/10/2010	GroundTruth	IB	568199	7064080	UTMZ7N	WGS84	Blue	Silt	ModerateSE	C	70	Dry	Excellent	BurnNew
10149762	08/10/2010	GroundTruth	IB	568164	7064044	UTMZ7N	WGS84	Blue	Silt	ModerateSE	C	90	Dry	Excellent	BurnNew
10149763	08/10/2010	GroundTruth	IB	568129	7064007	UTMZ7N	WGS84	Brown	Silt	ModerateSE	B	60	Dry	Good	BurnNew
10149764	08/10/2010	GroundTruth	IB	568095	7063971	UTMZ7N	WGS84	Brown	Silt	ModerateSE	C	60	Dry	Excellent	BurnNew
10149765	08/10/2010	GroundTruth	IB	568061	7063933	UTMZ7N	WGS84	Tan	Sand	ModerateSE	C	80	Dry	Excellent	BurnNew
10149766	08/10/2010	GroundTruth	IB	568028	7063898	UTMZ7N	WGS84	Blue	Silt	ModerateSE	C	80	Dry	Excellent	BurnNew
10149767	08/10/2010	GroundTruth	IB	567994	7063860	UTMZ7N	WGS84	Brown	Silt	ModerateSE	C	60	Dry	Excellent	BurnNew
10149768	08/10/2010	GroundTruth	IB	567925	7063787	UTMZ7N	WGS84	Brown	Silt	ModerateSE	C	60	Dry	Excellent	BurnNew
10149769	08/10/2010	GroundTruth	IB	567892	7063752	UTMZ7N	WGS84	BrownLight	Silt	ModerateS	C	60	Dry	Excellent	BurnNew
10149770	08/10/2010	GroundTruth	IB	567858	7063715	UTMZ7N	WGS84	Brown	Silt	ModerateS	C	60	Dry	Excellent	BurnNew
10149771	08/10/2010	GroundTruth	IB	567824	7063677	UTMZ7N	WGS84	BrownDark	Silt	ModerateS	C	60	Dry	Excellent	BurnNew
10149772	08/10/2010	GroundTruth	IB	567789	7063641	UTMZ7N	WGS84	Orange	Sand	ModerateS	C	60	Dry	Excellent	BurnNew
10149773	08/10/2010	GroundTruth	IB	567754	7063606	UTMZ7N	WGS84	Brown	Sand	ModerateS	C	60	Dry	Excellent	BurnNew
10149774	08/10/2010	GroundTruth	IB	567721	7063570	UTMZ7N	WGS84	BrownLight	Sand	ModerateS	C	80	Dry	Excellent	BurnNew
10149775	08/10/2010	GroundTruth	IB	567687	7063531	UTMZ7N	WGS84	Brown	Silt	ModerateS	B	60	Dry	Good	BurnNew
10149777	08/10/2010	GroundTruth	IB	567584	7063421	UTMZ7N	WGS84	Brown	Sand	ModerateS	C	55	Dry	Excellent	BurnNew
10149778	08/10/2010	GroundTruth	IB	567653	7063495	UTMZ7N	WGS84	BrownDark	Sand	ModerateS	C	70	Dry	Excellent	BurnNew
10149779	10/10/2010	GroundTruth	IB	568047	7066412	UTMZ7N	WGS84	BrownDark	Silt	ModerateS	B	50	Dry	Good	BurnNew
10149780	10/10/2010	GroundTruth	IB	568011	7066373	UTMZ7N	WGS84	BrownDark	Sand	ModerateS	C	60	Dry	Excellent	BurnNew
10149781	10/10/2010	GroundTruth	IB	567978	7066336	UTMZ7N	WGS84	BrownDark	Sand	ModerateS	C	50	Dry	Excellent	BurnNew
10149782	10/10/2010	GroundTruth	IB	567944	7066299	UTMZ7N	WGS84	Brown	Sand	ModerateS	C	60	Dry	Excellent	BurnNew
10149783	10/10/2010	GroundTruth	IB	567908	7066261	UTMZ7N	WGS84	Brown	Sand	ModerateS	C	60	Dry	Excellent	BurnNew
10149784	10/10/2010	GroundTruth	IB	567874	7066227	UTMZ7N	WGS84	Blue	Sand	ModerateS	C	60	Dry	Excellent	BurnNew
10149785	10/10/2010	GroundTruth	IB	567842	7066189	UTMZ7N	WGS84	Brown	Sand	ModerateS	C	60	Dry	Excellent	BurnNew
10149786	10/10/2010	GroundTruth	IB	567807	7066152	UTMZ7N	WGS84	Brown	Sand	ModerateS	C	60	Dry	Excellent	BurnNew
10149787	10/10/2010	GroundTruth	IB	567772	7066116	UTMZ7N	WGS84	Brown	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
10149788	10/10/2010	GroundTruth	IB	567737	7066080	UTMZ7N	WGS84	Grey	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
10149789	10/10/2010	GroundTruth	IB	567704	7066042	UTMZ7N	WGS84	Brown	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
10149790	10/10/2010	GroundTruth	IB	567670	7066005	UTMZ7N	WGS84	Brown	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
10149791	10/10/2010	GroundTruth	IB	567635	7065969	UTMZ7N	WGS84	Grey	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
10149792	10/10/2010	GroundTruth	IB	567601	7065932	UTMZ7N	WGS84	Brown	Silt	Ridge	C	30	Dry	Good	SubAlpineBrush
10149793	10/10/2010	GroundTruth	IB	567567	7065895	UTMZ7N	WGS84	Brown	Silt	Ridge	C	40	Dry	Good	SubAlpineBrush
10149794	10/10/2010	GroundTruth	IB	567534	7065859	UTMZ7N	WGS84	Brown	Sand	ModerateNE	C	50	Dry	Excellent	ForestMixed
10149795	10/10/2010	GroundTruth	IB	567499	7065822	UTMZ7N	WGS84	Brown	Sand	ModerateNE	C	50	Dry	Excellent	ForestMixed
10149796	10/10/2010	GroundTruth	IB	567465	7065786	UTMZ7N	WGS84	Blue	Sand	ModerateNW	C	40	Frozen	Excellent	SubAlpineFir
10149797	10/10/2010	GroundTruth	IB	567430	7065748	UTMZ7N	WGS84	Blue	Sand	ModerateNW	C	30	Dry	Excellent	SubAlpineFir
10149798	10/10/2010	GroundTruth	IB	567397	7065712	UTMZ7N	WGS84	BrownDark	Sand	ModerateNW	C	80	Dry	Excellent	SubAlpineFir
10149799	10/10/2010	GroundTruth	IB	567362	7065675	UTMZ7N	WGS84	Grey	Sand	Ridge	C	70	Dry	Excellent	SubAlpineFir
10149800	10/10/2010	GroundTruth	IB	567332	7065644	UTMZ7N	WGS84	Brown	Sand	ModerateS	B	40	Dry	Good	SubAlpineFir
10149801	10/10/2010	GroundTruth	IB	567299	7065609	UTMZ7N	WGS84	Brown	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
10149802	10/10/2010	GroundTruth	IB	567262	7065570	UTMZ7N	WGS84	Grey	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
10149803	10/10/2010	GroundTruth	IB	567229	7065534	UTMZ7N	WGS84	Brown	Silt	ModerateS	B	60	Moist	Good	ForestMixed
10149804	10/10/2010	GroundTruth	IB	567195	7065497	UTMZ7N	WGS84	Brown	Sand	ModerateS	C	50	Dry	Excellent	ForestBlackSpruce
10149805	10/10/2010	GroundTruth	IB	567160	7065460	UTMZ7N	WGS84	Grey	Sand	ModerateS	C	40	Dry	Excellent	ForestMixed
10149807	10/10/2010	GroundTruth	IB	567128	7065425	UTMZ7N	WGS84	Grey	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
10149808	10/10/2010	GroundTruth	IB	567093	7065388	UTMZ7N	WGS84	Grey	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
10149809	10/10/2010	GroundTruth	IB	567058	7065352	UTMZ7N	WGS84	Grey	Sand	ModerateS	C	30	Dry	Good	ForestMixed
10149810	08/10/2010	GroundTruth	JB	569070	7065458	UTMZ7N	WGS84	BrownLight	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
10149811	08/10/2010	GroundTruth	JB	569033	7065417	UTMZ7N	WGS84	BrownDark	Sand	ModerateS	C	50	Dry	Excellent	ForestMixed



Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10149812	08/10/2010	GroundTruth_JB	568999	7065380	UTMZ7N_WGS84		BrownDark	Sand	ModerateS	C	30	Dry	Good	ForestMixed
10149813	08/10/2010	GroundTruth_JB	568966	7065343	UTMZ7N_WGS84		Grey	Sand	ModerateS	C	50	Dry	Excellent	ForestMixed
10149814	08/10/2010	GroundTruth_JB	568931	7065307	UTMZ7N_WGS84		Brown	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
10149815	08/10/2010	GroundTruth_JB	568897	7065271	UTMZ7N_WGS84		Brown	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
10149816	08/10/2010	GroundTruth_JB	568864	7065233	UTMZ7N_WGS84		Grey	Sand	SteepS	C	50	Dry	Excellent	ForestMixed
10149817	08/10/2010	GroundTruth_JB	568830	7065196	UTMZ7N_WGS84		Grey	Sand	ModerateS	B	40	Dry	Good	ForestMixed
10149818	08/10/2010	GroundTruth_JB	568795	7065161	UTMZ7N_WGS84		BrownLight	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
10149819	08/10/2010	GroundTruth_JB	568760	7065124	UTMZ7N_WGS84		BrownLight	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
10149820	08/10/2010	GroundTruth_JB	568727	7065087	UTMZ7N_WGS84		Blue	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
10149821	08/10/2010	GroundTruth_JB	568692	7065049	UTMZ7N_WGS84		Grey	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
10149823	08/10/2010	GroundTruth_JB	568659	7065013	UTMZ7N_WGS84		Grey	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
10149824	08/10/2010	GroundTruth_JB	568623	7064977	UTMZ7N_WGS84		Grey	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
10149825	08/10/2010	GroundTruth_JB	568589	7064942	UTMZ7N_WGS84		Brown	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
10149826	08/10/2010	GroundTruth_JB	568555	7064903	UTMZ7N_WGS84		Brown	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
10149827	08/10/2010	GroundTruth_JB	568521	7064867	UTMZ7N_WGS84		Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
10149828	08/10/2010	GroundTruth_JB	568488	7064828	UTMZ7N_WGS84		Brown	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
10149829	08/10/2010	GroundTruth_JB	568454	7064793	UTMZ7N_WGS84		Brown	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
10149830	08/10/2010	GroundTruth_JB	568420	7064757	UTMZ7N_WGS84		Grey	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
10149831	08/10/2010	GroundTruth_JB	568385	7064721	UTMZ7N_WGS84		Grey	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
10149832	08/10/2010	GroundTruth_JB	568354	7064688	UTMZ7N_WGS84		Grey	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
10149833	08/10/2010	GroundTruth_JB	568321	7064653	UTMZ7N_WGS84		Grey	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
10149834	08/10/2010	GroundTruth_JB	568287	7064614	UTMZ7N_WGS84		Grey	Sand	ModerateSW	C	50	Dry	Excellent	ForestMixed
10149835	09/10/2010	GroundTruth_JB	568456	7065821	UTMZ7N_WGS84		Grey	Sand	ModerateSW	C	40	Dry	Excellent	ForestMixed
10149836	08/10/2010	GroundTruth_JB	568253	7064580	UTMZ7N_WGS84		Grey	Sand	ModerateSW	C	40	Dry	Good	ForestMixed
10149837	08/10/2010	GroundTruth_JB	568217	7064543	UTMZ7N_WGS84		Brown	Silt	ModerateSW	B	40	Moist	Good	ForestMixed
10149838	08/10/2010	GroundTruth_JB	568184	7064506	UTMZ7N_WGS84		Brown	Sand	ModerateSW	C	60	Dry	Excellent	ForestMixed
10149839	08/10/2010	GroundTruth_JB	568151	7064468	UTMZ7N_WGS84		Grey	Sand	ModerateSW	C	50	Dry	Excellent	ForestMixed
10149840	08/10/2010	GroundTruth_JB	568117	7064432	UTMZ7N_WGS84		Brown	Sand	ModerateSW	C	50	Dry	Excellent	ForestMixed
10149841	08/10/2010	GroundTruth_JB	568084	7064397	UTMZ7N_WGS84		BrownLight	Sand	SteepSW	C	50	Dry	Excellent	ForestMixed
10149842	09/10/2010	GroundTruth_JB	568560	7065931	UTMZ7N_WGS84		BrownDark	Silt	ModerateSW	B	40	Moist	Good	ForestMixed
10149843	08/10/2010	GroundTruth_JB	568049	7064359	UTMZ7N_WGS84		Brown	Sand	ModerateSW	C	60	Dry	Excellent	ForestMixed
10149844	09/10/2010	GroundTruth_JB	568492	7065857	UTMZ7N_WGS84		Grey	Sand	ModerateSW	C	60	Dry	Excellent	ForestMixed
10149845	09/10/2010	GroundTruth_JB	568526	7065894	UTMZ7N_WGS84		Grey	Sand	ModerateSW	C	60	Dry	Excellent	ForestBirch
10149846	09/10/2010	GroundTruth_JB	568424	7065785	UTMZ7N_WGS84		Grey	Sand	ModerateSW	C	55	Dry	Excellent	ForestBirch
10149847	09/10/2010	GroundTruth_JB	568389	7065748	UTMZ7N_WGS84		Grey	Sand	ModerateSW	C	50	Dry	Excellent	ForestBirch
10149848	09/10/2010	GroundTruth_JB	568354	7065712	UTMZ7N_WGS84		Grey	Sand	ModerateSW	C	50	Dry	Excellent	ForestBirch
10149849	09/10/2010	GroundTruth_JB	568319	7065675	UTMZ7N_WGS84		Grey	Sand	ModerateSW	C	50	Dry	Excellent	ForestBirch
10149850	09/10/2010	GroundTruth_JB	568287	7065638	UTMZ7N_WGS84		Grey	Sand	ModerateS	C	60	Dry	Excellent	ForestMixed
10149851	09/10/2010	GroundTruth_JB	568252	7065601	UTMZ7N_WGS84		Grey	Sand	ModerateSW	C	50	Dry	Excellent	ForestMixed
10149852	09/10/2010	GroundTruth_JB	568219	7065566	UTMZ7N_WGS84		Grey	Sand	ModerateSW	C	40	Dry	Good	ForestMixed
10149853	09/10/2010	GroundTruth_JB	568183	7065528	UTMZ7N_WGS84		Grey	Sand	ModerateSW	C	40	Dry	Good	ForestMixed
10149854	09/10/2010	GroundTruth_JB	568149	7065493	UTMZ7N_WGS84		Brown	Sand	ModerateN	B	50	Moist	Excellent	BurnNew
10149855	09/10/2010	GroundTruth_JB	568114	7065456	UTMZ7N_WGS84		Brown	Sand	ModerateN	C	60	Dry	Excellent	BurnNew
10149856	09/10/2010	GroundTruth_JB	568080	7065419	UTMZ7N_WGS84		Brown	Sand	ModerateN	C	60	Dry	Excellent	BurnNew
10149857	09/10/2010	GroundTruth_JB	568045	7065382	UTMZ7N_WGS84		Green	Sand	ModerateN	C	50	Dry	Excellent	BurnNew
10149858	09/10/2010	GroundTruth_JB	568012	7065347	UTMZ7N_WGS84		Blue	Silt	ModerateN	B	40	Moist	Good	BurnNew
10149859	09/10/2010	GroundTruth_JB	567978	7065309	UTMZ7N_WGS84		Brown	Sand	ModerateN	C	60	Dry	Excellent	BurnNew
10149860	09/10/2010	GroundTruth_JB	567945	7065273	UTMZ7N_WGS84		Brown	Sand	ModerateN	C	50	Dry	Excellent	BurnNew
10149861	09/10/2010	GroundTruth_JB	567910	7065237	UTMZ7N_WGS84		Brown	Sand	ModerateN	C	60	Dry	Excellent	BurnNew
10149862	09/10/2010	GroundTruth_JB	567874	7065201	UTMZ7N_WGS84		Brown	Silt	ModerateN	C	50	Dry	Excellent	BurnNew
10149863	09/10/2010	GroundTruth_JB	567843	7065165	UTMZ7N_WGS84		BrownLight	Sand	ModerateN	C	60	Dry	Excellent	BurnNew
10149864	09/10/2010	GroundTruth_JB	567810	7065129	UTMZ7N_WGS84		Brown	Silt	ModerateN	B	60	Moist	Good	BurnNew
10149865	09/10/2010	GroundTruth_JB	567776	7065092	UTMZ7N_WGS84		Brown	Sand	ModerateN	C	60	Dry	Excellent	BurnNew
10149866	09/10/2010	GroundTruth_JB	567741	7065056	UTMZ7N_WGS84		Brown	Sand	ModerateNE	C	55	Dry	Excellent	BurnNew
10149867	09/10/2010	GroundTruth_JB	567706	7065019	UTMZ7N_WGS84		Brown	Silt	ModerateNE	B	60	Moist	Good	BurnNew
10149868	09/10/2010	GroundTruth_JB	567673	7064983	UTMZ7N_WGS84		Grey	Silt	ModerateNE	B	60	Moist	Good	BurnNew
10149869	09/10/2010	GroundTruth_JB	567638	7064946	UTMZ7N_WGS84		Grey	Silt	ModerateNE	B	60	Moist	Good	BurnNew
10149871	09/10/2010	GroundTruth_JB	567605	7064910	UTMZ7N_WGS84		Grey	Silt	ModerateNE	B	80	Moist	Good	BurnNew
10149872	09/10/2010	GroundTruth_JB	567569	7064874	UTMZ7N_WGS84		BrownLight	Silt	SteepN	B	40	Moist	Good	BurnNew
10149873	09/10/2010	GroundTruth_JB	567537	7064837	UTMZ7N_WGS84		BrownLight	Sand	SteepN	C	60	Dry	Excellent	BurnNew

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10149874	11/10/2010	GroundTruth_JB	568610	7067455	UTMZ7N_WGS84		BrownLight	Sand	SteepN	C	60	Dry	Excellent	BurnNew
10149875	11/10/2010	GroundTruth_JB	568578	7067419	UTMZ7N_WGS84		BrownLight	Silt	SteepN	B	50	Dry	Good	BurnNew
10149876	11/10/2010	GroundTruth_JB	568542	7067382	UTMZ7N_WGS84		BrownLight	Sand	SteepN	C	70	Dry	Excellent	BurnNew
10149877	11/10/2010	GroundTruth_JB	568508	7067346	UTMZ7N_WGS84		BrownLight	Silt	ModerateN	B	60	Moist	Good	BurnNew
10149879	11/10/2010	GroundTruth_JB	568474	7067310	UTMZ7N_WGS84		Brown	Silt	ModerateN	B	60	Moist	Good	BurnNew
10149880	11/10/2010	GroundTruth_JB	568440	7067273	UTMZ7N_WGS84		Grey	Silt	ModerateN	B	80	Moist	Good	BurnNew
10149881	11/10/2010	GroundTruth_JB	568407	7067236	UTMZ7N_WGS84		BrownLight	Sand	ModerateN	C	70	Dry	Excellent	BurnNew
10149882	11/10/2010	GroundTruth_JB	568372	7067198	UTMZ7N_WGS84		Brown	Silt	ModerateN	B	60	Moist	Good	BurnNew
10149883	11/10/2010	GroundTruth_JB	568339	7067162	UTMZ7N_WGS84		Green	Sand	ModerateN	C	60	Dry	Excellent	BurnNew
10149884	11/10/2010	GroundTruth_JB	568306	7067128	UTMZ7N_WGS84		Green	Silt	ModerateN	B	80	Wet	Good	BurnNew
10149886	11/10/2010	GroundTruth_JB	568237	7067056	UTMZ7N_WGS84		Blue	Sand	ModerateN	C	60	Dry	Excellent	BurnNew
10149887	11/10/2010	GroundTruth_JB	568204	7067018	UTMZ7N_WGS84		Green	Silt	ModerateN	B	60	Moist	Good	BurnNew
10149888	11/10/2010	GroundTruth_JB	568167	7066981	UTMZ7N_WGS84		Brown	Silt	ModerateN	B	50	Moist	Good	BurnNew
10149889	11/10/2010	GroundTruth_JB	568135	7066945	UTMZ7N_WGS84		Brown	Silt	ModerateN	B	50	Moist	Good	BurnNew
10149890	11/10/2010	GroundTruth_JB	568100	7066908	UTMZ7N_WGS84		BrownLight	Sand	ModerateN	C	45	Dry	Excellent	BurnNew
10149891	11/10/2010	GroundTruth_JB	568067	7066872	UTMZ7N_WGS84		BrownLight	Silt	ModerateN	C	40	Dry	Good	BurnNew
10149892	11/10/2010	GroundTruth_JB	568033	7066835	UTMZ7N_WGS84		Green	Silt	ModerateN	C	40	Dry	Good	BurnNew
10149893	11/10/2010	GroundTruth_JB	567998	7066798	UTMZ7N_WGS84		Brown	Silt	ModerateN	B	40	Moist	Poor	BurnNew
10149894	11/10/2010	GroundTruth_JB	567965	7066762	UTMZ7N_WGS84		Brown	Silt	ModerateN	B	50	Moist	Good	BurnNew
10149895	11/10/2010	GroundTruth_JB	567931	7066722	UTMZ7N_WGS84		Brown	Sand	ModerateN	C	50	Dry	Excellent	BurnNew
10149896	11/10/2010	GroundTruth_JB	567895	7066689	UTMZ7N_WGS84		Brown	Sand	RidgeAlpine	C	60	Moist	Good	AlpineBare
10149897	11/10/2010	GroundTruth_JB	567862	7066651	UTMZ7N_WGS84		Brown	Clay	RidgeAlpine	B	30	Moist	Poor	AlpineBare
10149898	15/10/2010	GroundTruth_JB	568354	7067762	UTMZ7N_WGS84		Brown	Clay	SteepW	B	30	Moist	Poor	AlpineBare
10149899	15/10/2010	GroundTruth_JB	568319	7067728	UTMZ7N_WGS84		Brown	Silt	SteepW	B	50	Dry	Good	AlpineBare
10149900	08/10/2010	GroundTruth_MD	568853	7065661	UTMZ7N_WGS84		Brown	Silt	SteepW	B	30	Dry	Good	AlpineBare
10149901	08/10/2010	GroundTruth_MD	568818	7065623	UTMZ7N_WGS84		Brown	Silt	SteepW	B	40	Dry	Good	AlpineBare
10149902	08/10/2010	GroundTruth_MD	568784	7065586	UTMZ7N_WGS84		Brown	Silt	SteepW	C	50	Dry	Good	AlpineBare
10149903	08/10/2010	GroundTruth_MD	568750	7065551	UTMZ7N_WGS84		Brown	Silt	SteepW	C	60	Moist	Good	AlpineBare
10149904	08/10/2010	GroundTruth_MD	568717	7065514	UTMZ7N_WGS84		Brown	Silt	Ridge	B	70	Moist	Good	BurnOld
10149905	08/10/2010	GroundTruth_MD	568682	7065476	UTMZ7N_WGS84		Brown	Silt	Ridge	C	60	Dry	Good	BurnOld
10149906	08/10/2010	GroundTruth_MD	568647	7065439	UTMZ7N_WGS84		BrownLight	Silt	Ridge	C	60	Dry	Good	BurnOld
10149907	08/10/2010	GroundTruth_MD	568614	7065403	UTMZ7N_WGS84		BrownLight	Silt	Ridge	C	40	Dry	Good	BurnOld
10149908	08/10/2010	GroundTruth_MD	568580	7065366	UTMZ7N_WGS84		Brown	Clay	Ridge	B	30	Moist	Good	BurnOld
10149909	08/10/2010	GroundTruth_MD	568544	7065330	UTMZ7N_WGS84		Brown	Clay	Ridge	B	40	Moist	Good	BurnOld
10149910	08/10/2010	GroundTruth_MD	568509	7065293	UTMZ7N_WGS84		BrownLight	Silt	Ridge	B	40	Dry	Good	BurnOld
10149911	08/10/2010	GroundTruth_MD	568476	7065257	UTMZ7N_WGS84		BrownLight	Sand	Ridge	C	60	Dry	Good	BurnOld
10149912	08/10/2010	GroundTruth_MD	568444	7065219	UTMZ7N_WGS84		Brown	Silt	Ridge	B	40	Dry	Good	BurnOld
10149913	08/10/2010	GroundTruth_MD	568407	7065182	UTMZ7N_WGS84		Brown	Silt	Ridge	C	60	Dry	Good	BurnOld
10149914	08/10/2010	GroundTruth_MD	568374	7065147	UTMZ7N_WGS84		Brown	Silt	ModerateSE	C	80	Dry	Good	BurnOld
10149915	08/10/2010	GroundTruth_MD	568339	7065112	UTMZ7N_WGS84		Red	Silt	ModerateSE	B	50	Dry	Good	BurnOld
10149916	08/10/2010	GroundTruth_MD	568305	7065074	UTMZ7N_WGS84		Red	Clay	ModerateSE	B	60	Moist	Good	BurnOld
10149917	08/10/2010	GroundTruth_MD	568273	7065037	UTMZ7N_WGS84		Brown	Silt	ModerateSE	C	60	Dry	Good	BurnOld
10149918	08/10/2010	GroundTruth_MD	568239	7065002	UTMZ7N_WGS84		Brown	Silt	ModerateSE	C	60	Dry	Good	BurnOld
10149919	08/10/2010	GroundTruth_MD	568205	7064965	UTMZ7N_WGS84		Brown	Silt	ModerateSE	C	70	Dry	Good	BurnOld
10149920	08/10/2010	GroundTruth_MD	568171	7064929	UTMZ7N_WGS84		Brown	Clay	ModerateSE	B	50	Moist	Good	BurnOld
10149921	08/10/2010	GroundTruth_MD	568136	7064890	UTMZ7N_WGS84		Brown	Silt	ModerateSE	C	60	Dry	Good	BurnOld
10149923	08/10/2010	GroundTruth_MD	568101	7064853	UTMZ7N_WGS84		Brown	Silt	ModerateSE	C	60	Moist	Good	BurnOld
10149925	08/10/2010	GroundTruth_MD	568068	7064817	UTMZ7N_WGS84		Brown	Silt	ModerateSE	C	80	Dry	Good	BurnOld
10149926	08/10/2010	GroundTruth_MD	568034	7064782	UTMZ7N_WGS84		Grey	Silt	ModerateSE	C	50	Dry	Good	BurnOld
10149927	08/10/2010	GroundTruth_MD	568000	7064745	UTMZ7N_WGS84		Brown	Silt	ModerateSE	C	60	Dry	Good	BurnOld
10149928	08/10/2010	GroundTruth_MD	567965	7064709	UTMZ7N_WGS84		Brown	Silt	ModerateSE	C	60	Dry	Good	BurnOld
10149929	08/10/2010	GroundTruth_MD	567931	7064670	UTMZ7N_WGS84		Grey	Silt	ModerateSE	C	70	Dry	Good	BurnOld
10149930	08/10/2010	GroundTruth_MD	567898	7064635	UTMZ7N_WGS84		Brown	Clay	ModerateSE	B	50	Dry	Good	BurnOld
10149931	08/10/2010	GroundTruth_MD	567861	7064599	UTMZ7N_WGS84		Brown	Sand	ModerateSE	C	60	Dry	Good	BurnOld
10149932	08/10/2010	GroundTruth_MD	567828	7064562	UTMZ7N_WGS84		Brown	Silt	ModerateSE	C	50	Dry	Good	BurnOld
10149933	10/10/2010	GroundTruth_MD	567275	7065147	UTMZ7N_WGS84		Brown	Silt	ModerateSE	C	60	Dry	Good	BurnOld
10149936	10/10/2010	GroundTruth_JB	568236	7066029	UTMZ7N_WGS84		Brown	Silt	ModerateSE	B	80	Moist	Good	BurnOld
10149937	10/10/2010	GroundTruth_JB	568203	7065990	UTMZ7N_WGS84		Brown	Clay	ModerateSE	B	50	Moist	Good	BurnOld
10149938	10/10/2010	GroundTruth_JB	568168	7065955	UTMZ7N_WGS84		Brown	Silt	ModerateSE	B	50	Moist	Poor	BurnOld
10149939	10/10/2010	GroundTruth_JB	568134	7065917	UTMZ7N_WGS84		Black	Silt	Ridge	C	60	Dry	Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10149940	10/10/2010	GroundTruth_JB	568100	7065882	UTMZ7N_WGS84		Brown	Silt	Ridge	C	60	Dry	Good	BurnOld
10149941	10/10/2010	GroundTruth_JB	568061	7065843	UTMZ7N_WGS84		Brown	Silt	Ridge	B	60	Moist	Good	BurnOld
10149942	10/10/2010	GroundTruth_JB	568030	7065808	UTMZ7N_WGS84		Tan	Silt	Ridge	C	60	Dry	Good	BurnOld
10149944	10/10/2010	GroundTruth_JB	567996	7065772	UTMZ7N_WGS84		Brown	Silt	Ridge	B	40	Dry	Good	BurnOld
10149945	10/10/2010	GroundTruth_JB	567962	7065734	UTMZ7N_WGS84		Brown	Silt	Ridge	B	40	Dry	Good	BurnOld
10149946	10/10/2010	GroundTruth_JB	567927	7065699	UTMZ7N_WGS84		RustyOrange	Silt	Ridge	C	40	Dry	Good	BurnOld
10149947	10/10/2010	GroundTruth_JB	567894	7065662	UTMZ7N_WGS84		Brown	Silt	Ridge	C	40	Dry	Good	BurnOld
10149948	10/10/2010	GroundTruth_JB	567862	7065626	UTMZ7N_WGS84		Brown	Silt	Ridge	C	50	Dry	Good	BurnOld
10149949	10/10/2010	GroundTruth_JB	567827	7065588	UTMZ7N_WGS84		Brown	Silt	Ridge	B	60	Dry	Good	BurnOld
10149950	10/10/2010	GroundTruth_JB	567793	7065557	UTMZ7N_WGS84		Brown	Clay	Ridge	B	60	Moist	Good	BurnOld
10149951	10/10/2010	GroundTruth_JB	567762	7065517	UTMZ7N_WGS84		Brown	Silt	Ridge	B	80	Dry	Good	BurnOld
10149952	10/10/2010	GroundTruth_JB	567728	7065480	UTMZ7N_WGS84		Brown	Silt	Ridge	B	40	Dry	Good	BurnOld
10149953	10/10/2010	GroundTruth_JB	567693	7065443	UTMZ7N_WGS84		BrownLight	Sand	Ridge	C	60	Dry	Excellent	BurnOld
10149954	10/10/2010	GroundTruth_JB	567659	7065408	UTMZ7N_WGS84		Brown	Silt	ModerateW	B	40	Moist	Good	BurnOld
10149955	10/10/2010	GroundTruth_JB	567625	7065371	UTMZ7N_WGS84		Brown	Silt	ModerateW	B	60	Frozen	Poor	BurnOld
10149956	10/10/2010	GroundTruth_JB	567589	7065335	UTMZ7N_WGS84		Brown	Silt	ModerateW	B	60	Dry	Good	BurnOld
10149957	10/10/2010	GroundTruth_JB	567557	7065298	UTMZ7N_WGS84		Brown	Silt	ModerateW	C	50	Dry	Good	BurnOld
10149958	10/10/2010	GroundTruth_JB	567523	7065261	UTMZ7N_WGS84		Brown	Silt	ModerateW	B	40	Dry	Poor	BurnOld
10149959	10/10/2010	GroundTruth_JB	567487	7065224	UTMZ7N_WGS84		Brown	Sand	Ridge	C	60	Dry	Good	ForestMixed
10149960	10/10/2010	GroundTruth_JB	567453	7065190	UTMZ7N_WGS84		Brown	Sand	Ridge	C	40	Dry	Good	ForestMixed
10149962	11/10/2010	GroundTruth_JB	568851	7067710	UTMZ7N_WGS84		Brown	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
10149963	11/10/2010	GroundTruth_JB	568815	7067676	UTMZ7N_WGS84		Brown	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
10149964	11/10/2010	GroundTruth_JB	568782	7067638	UTMZ7N_WGS84		Brown	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
10149965	11/10/2010	GroundTruth_JB	568747	7067601	UTMZ7N_WGS84		Brown	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
10149966	11/10/2010	GroundTruth_JB	568713	7067566	UTMZ7N_WGS84		Brown	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
10149967	11/10/2010	GroundTruth_JB	568679	7067530	UTMZ7N_WGS84		Brown	Clay	Ridge	B	60	Moist	Good	ForestMixed
10149968	11/10/2010	GroundTruth_JB	568645	7067493	UTMZ7N_WGS84		Brown	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
10149969	16/10/2010	GroundTruth_JM	568851	7066685	UTMZ7N_WGS84		Brown	Clay	Ridge	B	60	Moist	Excellent	ForestMixed
10149970	16/10/2010	GroundTruth_JM	568817	7066648	UTMZ7N_WGS84		Brown	Clay	Flat	B	60	Moist	Excellent	BurnOld
10149971	16/10/2010	GroundTruth_JM	568782	7066611	UTMZ7N_WGS84		Brown	Silt	Flat	C	60	Moist	Good	BurnOld
10149972	16/10/2010	GroundTruth_JM	568748	7066575	UTMZ7N_WGS84		Brown	Clay	Flat	B	40	Moist	Good	ForestMixed
10149973	16/10/2010	GroundTruth_JM	568714	7066538	UTMZ7N_WGS84		Brown	Silt	Ridge	C	40	Moist	Good	BurnOld
10149974	16/10/2010	GroundTruth_JM	568682	7066504	UTMZ7N_WGS84		Brown	Sand	Ridge	C	40	Moist	Good	BurnOld
10149975	16/10/2010	GroundTruth_JM	568648	7066468	UTMZ7N_WGS84		Brown	Sand	Ridge	C	60	Dry	Excellent	BurnOld
10149976	16/10/2010	GroundTruth_JM	568614	7066431	UTMZ7N_WGS84		Brown	Silt	Ridge	C	60	Dry	Good	BurnOld
10149977	16/10/2010	GroundTruth_JM	568578	7066394	UTMZ7N_WGS84		Brown	Silt	Ridge	C	40	Moist	Good	DrainageAlder
10149978	16/10/2010	GroundTruth_JM	568545	7066357	UTMZ7N_WGS84		Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
10149979	16/10/2010	GroundTruth_JM	568510	7066321	UTMZ7N_WGS84		Brown	Silt	Ridge	C	50	Moist	Good	ForestMixed
10149981	16/10/2010	GroundTruth_JM	568477	7066283	UTMZ7N_WGS84		Red	Clay	Ridge	B	30	Moist	Poor	ForestMixed
10149983	16/10/2010	GroundTruth_JM	568443	7066247	UTMZ7N_WGS84		Brown	Silt	Ridge	C	60	Dry	Good	ForestMixed
10149984	16/10/2010	GroundTruth_JM	568409	7066211	UTMZ7N_WGS84		Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
10149986	16/10/2010	GroundTruth_JM	568375	7066173	UTMZ7N_WGS84		Brown	Silt	Ridge	C	60	Dry	Good	ForestMixed
10150501	08/10/2010	GroundTruth_AW	568681	7064450	UTMZ7N_WGS84		Brown	Silt	Ridge	C	40	Dry	Good	BurnOld
10150502	08/10/2010	GroundTruth_AW	568649	7064417	UTMZ7N_WGS84		Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
10150503	08/10/2010	GroundTruth_AW	568615	7064379	UTMZ7N_WGS84		Red	Clay	Ridge	B	20	Moist	Poor	ForestMixed
10150504	08/10/2010	GroundTruth_AW	568581	7064344	UTMZ7N_WGS84		Brown	Silt	Ridge	C	40	Dry	Good	BurnOld
10150505	08/10/2010	GroundTruth_AW	568546	7064306	UTMZ7N_WGS84		Brown	Silt	Flat	C	40	Dry	Good	BurnOld
10150506	08/10/2010	GroundTruth_AW	568514	7064270	UTMZ7N_WGS84		Red	Silt	Ridge	B	30	Moist	Excellent	BurnOld
10150507	08/10/2010	GroundTruth_AW	568477	7064233	UTMZ7N_WGS84		Brown	Clay	Ridge	B	60	Moist	Good	BurnOld
10150508	08/10/2010	GroundTruth_AW	568443	7064196	UTMZ7N_WGS84		Brown	Silt	Ridge	B	60	Dry	Good	BurnOld
10150509	08/10/2010	GroundTruth_AW	568408	7064160	UTMZ7N_WGS84		Brown	Silt	Ridge	C	60	Dry	Good	BurnOld
10150510	08/10/2010	GroundTruth_AW	568373	7064122	UTMZ7N_WGS84		Brown	Silt	Ridge	B	60	Dry	Good	BurnOld
10150511	08/10/2010	GroundTruth_AW	568342	7064087	UTMZ7N_WGS84		Brown	Silt	Ridge	C	60	Dry	Good	BurnOld
10150512	08/10/2010	GroundTruth_AW	568304	7064049	UTMZ7N_WGS84		Brown	Silt	Ridge	B	60	Dry	Good	BurnOld
10150513	08/10/2010	GroundTruth_AW	568271	7064013	UTMZ7N_WGS84		Brown	Silt	Ridge	C	70	Dry	Good	BurnOld
10150514	08/10/2010	GroundTruth_AW	568237	7063976	UTMZ7N_WGS84		Brown	Silt	Ridge	C	40	Dry	Good	BurnOld
10150515	08/10/2010	GroundTruth_AW	568203	7063939	UTMZ7N_WGS84		Brown	Silt	Ridge	C	40	Dry	Good	BurnOld
10150516	08/10/2010	GroundTruth_AW	568169	7063902	UTMZ7N_WGS84		RustyOrange	Silt	Ridge	C	50	Dry	Good	BurnOld
10150517	08/10/2010	GroundTruth_AW	568135	7063865	UTMZ7N_WGS84		Brown	Silt	Flat	C	40	Dry	Good	BurnOld
10150518	08/10/2010	GroundTruth_AW	568100	7063830	UTMZ7N_WGS84		Brown	Silt	ModerateSW	C	60	Dry	Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10150519	08/10/2010	GroundTruth AW	568067	7063793	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	40	Dry	Good	ForestMixed
10150520	08/10/2010	GroundTruth AW	568031	7063756	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	50	Dry	Good	ForestMixed
10150522	08/10/2010	GroundTruth AW	567965	7063683	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	30	Dry	Poor	ForestMixed
10150524	08/10/2010	GroundTruth AW	567930	7063645	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	40	Dry	Good	ForestMixed
10150525	08/10/2010	GroundTruth AW	567896	7063609	UTMZ7N WGS84		RustyRed	Silt	ModerateSW	C	60	Dry	Good	ForestMixed
10150526	08/10/2010	GroundTruth AW	567862	7063573	UTMZ7N WGS84		RustyRed	Silt	ModerateSW	C	60	Dry	Good	BurnOld
10150527	08/10/2010	GroundTruth AW	567827	7063535	UTMZ7N WGS84		Brown	Silt	ModerateW	C	50	Dry	Good	BurnOld
10150528	08/10/2010	GroundTruth AW	567794	7063499	UTMZ7N WGS84		Brown	Silt	ModerateW	C	30	Dry	Good	BurnOld
10150529	08/10/2010	GroundTruth AW	567657	7063352	UTMZ7N WGS84		Brown	Silt	ModerateW	C	40	Moist	Good	BurnOld
10150535	10/10/2010	GroundTruth AW	567714	7065905	UTMZ7N WGS84		Brown	Silt	ModerateW	C	40	Dry	Good	BurnOld
10150536	10/10/2010	GroundTruth AW	567678	7065869	UTMZ7N WGS84		Brown	Silt	ModerateW	C	40	Dry	Good	BurnOld
10150537	10/10/2010	GroundTruth AW	567644	7065831	UTMZ7N WGS84		Brown	Clay	ModerateW	B	40	Moist	Good	BurnOld
10150538	10/10/2010	GroundTruth AW	567611	7065795	UTMZ7N WGS84		Brown	Silt	ModerateW	C	70	Dry	Good	BurnOld
10150539	10/10/2010	GroundTruth AW	567576	7065757	UTMZ7N WGS84		Brown	Silt	ModerateW	B	40	Moist	Poor	ForestMixed
10150540	10/10/2010	GroundTruth AW	567542	7065722	UTMZ7N WGS84		Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
10150541	10/10/2010	GroundTruth AW	567507	7065683	UTMZ7N WGS84		Brown	Clay	ModerateSW	B	60	Frozen	Poor	ForestMixed
10150542	10/10/2010	GroundTruth AW	567473	7065647	UTMZ7N WGS84		Brown	Clay	ModerateSW	B	60	Frozen	Poor	ForestMixed
10150543	10/10/2010	GroundTruth AW	567440	7065610	UTMZ7N WGS84		Brown	Clay	ModerateSW	B	40	Frozen	Poor	ForestMixed
10150544	10/10/2010	GroundTruth AW	567405	7065574	UTMZ7N WGS84		Brown	Clay	ModerateSW	B	60	Frozen	Poor	ForestMixed
10150545	10/10/2010	GroundTruth AW	567371	7065538	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	60	Frozen	Poor	ForestMixed
10150546	10/10/2010	GroundTruth AW	567336	7065501	UTMZ7N WGS84		RustyOrange	Clay	ModerateSW	B	60	Moist	Good	ForestBlackSpruce
10150547	10/10/2010	GroundTruth AW	567302	7065463	UTMZ7N WGS84		Brown	Clay	ModerateSW	B	60	Moist	Good	ForestBlackSpruce
10150548	10/10/2010	GroundTruth AW	567269	7065427	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	40	Moist	Good	ForestBlackSpruce
10150549	10/10/2010	GroundTruth AW	567234	7065391	UTMZ7N WGS84		Brown	Silt	Ridge	B	50	Moist	Good	AlpineBare
10150550	10/10/2010	GroundTruth AW	567200	7065356	UTMZ7N WGS84		Brown	Silt	Ridge	B	50	Dry	Poor	AlpineBare
10150551	08/10/2010	GroundTruth IF	569144	7065386	UTMZ7N WGS84		Brown	Silt	Ridge	B	40	Dry	Good	AlpineBare
10150552	08/10/2010	GroundTruth IF	569111	7065350	UTMZ7N WGS84		Brown	Silt	Ridge	B	40	Dry	Good	AlpineBare
10150553	08/10/2010	GroundTruth IF	569077	7065314	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	40	Dry	Good	AlpineBare
10150554	08/10/2010	GroundTruth IF	569042	7065278	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	40	Dry	Good	AlpineBare
10150555	08/10/2010	GroundTruth IF	569008	7065240	UTMZ7N WGS84		Black	Silt	Ridge	C	70	Moist	Good	AlpineBare
10150556	08/10/2010	GroundTruth IF	568974	7065204	UTMZ7N WGS84		Brown	Silt	Ridge	B	40	Moist	Good	SubAlpineBrush
10150557	08/10/2010	GroundTruth IF	568940	7065166	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Good	SubAlpineBrush
10150558	08/10/2010	GroundTruth IF	568906	7065130	UTMZ7N WGS84		Brown	Silt	ModerateSE	B	50	Moist	Good	SubAlpineBrush
10150559	08/10/2010	GroundTruth IF	568872	7065094	UTMZ7N WGS84		Brown	Silt	ModerateSE	B	50	Dry	Good	SubAlpineBrush
10150560	08/10/2010	GroundTruth IF	568838	7065058	UTMZ7N WGS84		Brown	Silt	ModerateSE	B	30	Dry	Good	SubAlpineBrush
10150561	08/10/2010	GroundTruth IF	568804	7065021	UTMZ7N WGS84		BrownDark	Sand	SteepSE	C	40	Dry	Good	SubAlpineBrush
10150562	08/10/2010	GroundTruth IF	568769	7064984	UTMZ7N WGS84		BrownDark	Silt	ModerateSE	C	30	Dry	Good	SubAlpineBrush
10150563	08/10/2010	GroundTruth IF	568734	7064947	UTMZ7N WGS84		BrownDark	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
10150564	08/10/2010	GroundTruth IF	568700	7064911	UTMZ7N WGS84		BrownDark	Sand	ModerateSE	C	40	Dry	Good	ForestMixed
10150565	08/10/2010	GroundTruth IF	568666	7064875	UTMZ7N WGS84		Black	Silt	ModerateSE	B	30	Dry	Poor	ForestMixed
10150566	08/10/2010	GroundTruth IF	568632	7064838	UTMZ7N WGS84		Black	Sand	ModerateSE	C	60	Moist	Good	ForestMixed
10150567	08/10/2010	GroundTruth IF	568598	7064800	UTMZ7N WGS84		Black	Silt	ModerateSE	B	60	Moist	Good	ForestMixed
10150568	08/10/2010	GroundTruth IF	568564	7064763	UTMZ7N WGS84		BrownDark	Silt	SteepSE	C	60	Dry	Good	ForestMixed
10150569	08/10/2010	GroundTruth IF	568530	7064728	UTMZ7N WGS84		BrownDark	Silt	SteepSE	C	40	Dry	Poor	ForestMixed
10150570	08/10/2010	GroundTruth IF	568496	7064691	UTMZ7N WGS84		BrownDark	Silt	SteepSE	C	60	Dry	Good	ForestMixed
10150571	08/10/2010	GroundTruth IF	568461	7064653	UTMZ7N WGS84		BrownDark	Silt	SteepSE	C	60	Dry	Good	ForestMixed
10150572	08/10/2010	GroundTruth IF	568428	7064619	UTMZ7N WGS84		Brown	Silt	SteepSE	C	30	Moist	Poor	ForestMixed
10150573	08/10/2010	GroundTruth IF	568393	7064581	UTMZ7N WGS84		BrownDark	Silt	SteepSE	C	50	Moist	Good	ForestMixed
10150574	08/10/2010	GroundTruth IF	568361	7064548	UTMZ7N WGS84		Black	Silt	SteepSE	C	40	Moist	Good	ForestMixed
10150575	08/10/2010	GroundTruth IF	568327	7064505	UTMZ7N WGS84		BrownDark	Silt	SteepSE	C	40	Dry	Excellent	ForestMixed
10150576	08/10/2010	GroundTruth IF	568292	7064473	UTMZ7N WGS84		Brown	Silt	SteepSE	C	50	Dry	Good	ForestMixed
10150577	08/10/2010	GroundTruth IF	568257	7064436	UTMZ7N WGS84		BrownDark	Silt	SteepSE	C	50	Moist	Excellent	ForestMixed
10150578	08/10/2010	GroundTruth IF	568224	7064400	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	30	Dry	Good	SubAlpineBrush
10150579	08/10/2010	GroundTruth IF	568189	7064363	UTMZ7N WGS84		BrownDark	Silt	ModerateW	B	40	Dry	Good	SubAlpineBrush
10150580	08/10/2010	GroundTruth IF	568155	7064327	UTMZ7N WGS84		BrownDark	Silt	ModerateW	B	40	Dry	Good	SubAlpineBrush
10150581	08/10/2010	GroundTruth IF	568121	7064290	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	40	Dry	Poor	SubAlpineBrush
10150586	09/10/2010	GroundTruth DB	568398	7065466	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	40	Dry	Poor	SubAlpineBrush
10150587	09/10/2010	GroundTruth DB	568364	7065429	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	40	Dry	Poor	SubAlpineBrush
10150588	09/10/2010	GroundTruth DB	568330	7065392	UTMZ7N WGS84		BrownDark	Silt	ModerateW	B	20	Dry	Poor	SubAlpineBrush
10150589	09/10/2010	GroundTruth DB	568297	7065356	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	50	Dry	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10150590	09/10/2010	GroundTruth DB	568228	7065283	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	60	Moist	Good	ForestMixed
10150591	09/10/2010	GroundTruth DB	568195	7065246	UTMZ7N WGS84		Brown	Silt	ModerateW	C	80	Moist	Excellent	ForestMixed
10150592	09/10/2010	GroundTruth DB	568162	7065210	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	50	Dry	Good	ForestMixed
10150593	09/10/2010	GroundTruth DB	568128	7065175	UTMZ7N WGS84		Brown	Silt	ModerateW	B	50	Dry	Excellent	ForestMixed
10150594	09/10/2010	GroundTruth DB	568094	7065137	UTMZ7N WGS84		Brown	Silt	ModerateW	B	30	Moist	Poor	BurnOld
10150595	09/10/2010	GroundTruth DB	568062	7065099	UTMZ7N WGS84		Brown	Silt	ModerateW	C	60	Moist	Excellent	BurnOld
10150596	09/10/2010	GroundTruth DB	568026	7065065	UTMZ7N WGS84		Brown	Silt	ModerateW	B	40	Dry	Good	BurnOld
10150597	09/10/2010	GroundTruth DB	567993	7065027	UTMZ7N WGS84		BrownDark	Sand	ModerateW	C	70	Dry	Excellent	BurnOld
10150598	09/10/2010	GroundTruth DB	567958	7064992	UTMZ7N WGS84		Brown	Sand	ModerateW	B	30	Dry	Poor	BurnOld
10150599	09/10/2010	GroundTruth DB	567922	7064957	UTMZ7N WGS84		Green	Sand	ModerateW	C	50	Dry	Excellent	BurnOld
10150600	09/10/2010	GroundTruth DB	567889	7064918	UTMZ7N WGS84		Green	Sand	ModerateW	C	70	Dry	Excellent	BurnOld
10150601	09/10/2010	GroundTruth DB	567855	7064882	UTMZ7N WGS84		Brown	Silt	ModerateW	C	40	Dry	Excellent	BurnOld
10150602	09/10/2010	GroundTruth DB	567819	7064846	UTMZ7N WGS84		Green	Sand	ModerateW	C	60	Dry	Excellent	BurnOld
10150603	09/10/2010	GroundTruth DB	567784	7064810	UTMZ7N WGS84		Brown	Sand	ModerateW	C	40	Dry	Excellent	BurnOld
10150604	09/10/2010	GroundTruth DB	567749	7064773	UTMZ7N WGS84		Brown	Silt	Flat	C	60	Dry	Excellent	BurnOld
10150605	09/10/2010	GroundTruth DB	567717	7064737	UTMZ7N WGS84		BrownDark	Sand	ModerateE	C	60	Dry	Excellent	BurnOld
10150606	09/10/2010	GroundTruth DB	567683	7064701	UTMZ7N WGS84		BrownDark	Sand	ModerateE	C	40	Dry	Excellent	BurnOld
10150608	17/10/2010	GroundTruth DB	567402	7068652	UTMZ7N WGS84		Brown	Silt	Ridge	C	50	Dry	Excellent	BurnOld
10150621	10/10/2010	GroundTruth DB	567421	7065012	UTMZ7N WGS84		Brown	Silt	Ridge	C	70	Dry	Excellent	BurnOld
10150622	10/10/2010	GroundTruth DB	567391	7064975	UTMZ7N WGS84		Green	Sand	Ridge	C	40	Dry	Excellent	BurnOld
10150623	10/10/2010	GroundTruth DB	567458	7065047	UTMZ7N WGS84		Brown	Silt	Ridge	C	100	Dry	Excellent	BurnOld
10150624	10/10/2010	GroundTruth DB	567489	7065085	UTMZ7N WGS84		Brown	Sand	Ridge	C	50	Dry	Excellent	BurnOld
10150626	10/10/2010	GroundTruth AW	567166	7065318	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	110	Dry	Excellent	ForestMixed
10150627	10/10/2010	GroundTruth AW	567133	7065284	UTMZ7N WGS84		RustyRed	Sand	Ridge	C	40	Dry	Good	ForestMixed
10150628	10/10/2010	GroundTruth AW	567096	7065246	UTMZ7N WGS84		BrownDark	Silt	Ridge	B	60	Moist	Good	BurnOld
10150699	09/10/2010	GroundTruth MD	568778	7065728	UTMZ7N WGS84		Brown	Sand	Ridge	C	90	Dry	Excellent	BurnOld
10150700	09/10/2010	GroundTruth MD	568746	7065691	UTMZ7N WGS84		BrownDark	Sand	Ridge	C	30	Dry	Excellent	BurnOld
10150701	09/10/2010	GroundTruth MD	568711	7065654	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	90	Dry	Excellent	BurnOld
10150702	09/10/2010	GroundTruth MD	568678	7065616	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	60	Dry	Excellent	BurnOld
10150703	09/10/2010	GroundTruth MD	568642	7065581	UTMZ7N WGS84		Brown	Silt	Ridge	C	80	Dry	Excellent	BurnOld
10150704	09/10/2010	GroundTruth MD	568609	7065544	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	30	Dry	Poor	BurnOld
10150705	09/10/2010	GroundTruth MD	568574	7065507	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	40	Dry	Poor	BurnOld
10150706	09/10/2010	GroundTruth MD	568539	7065471	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	70	Dry	Good	BurnOld
10150707	09/10/2010	GroundTruth MD	568506	7065434	UTMZ7N WGS84		BrownDark	Silt	ModerateSW	C	60	Moist	Excellent	BurnOld
10150708	09/10/2010	GroundTruth MD	568472	7065398	UTMZ7N WGS84		BrownDark	Silt	ModerateSW	C	40	Moist	Good	BurnOld
10150709	09/10/2010	GroundTruth MD	568437	7065362	UTMZ7N WGS84		BrownDark	Silt	ModerateSW	B	60	Moist	Excellent	BurnOld
10150710	09/10/2010	GroundTruth MD	568403	7065325	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	110	Dry	Excellent	BurnOld
10150711	09/10/2010	GroundTruth MD	568370	7065287	UTMZ7N WGS84		Brown	Sand	ModerateSW	C	90	Dry	Excellent	BurnOld
10150712	09/10/2010	GroundTruth MD	568335	7065250	UTMZ7N WGS84		Green	Sand	ModerateSW	C	90	Dry	Excellent	BurnOld
10150713	09/10/2010	GroundTruth MD	568267	7065180	UTMZ7N WGS84		Brown	Sand	ModerateSW	C	60	Dry	Excellent	BurnOld
10150714	09/10/2010	GroundTruth MD	568232	7065142	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	60	Moist	Good	BurnOld
10150715	09/10/2010	GroundTruth MD	568199	7065105	UTMZ7N WGS84		BrownDark	Silt	SteepSW	C	80	Moist	Good	BurnOld
10150716	09/10/2010	GroundTruth MD	568165	7065068	UTMZ7N WGS84		Brown	Sand	ModerateSW	C	100	Moist	Good	BurnOld
10150717	09/10/2010	GroundTruth MD	568133	7065035	UTMZ7N WGS84		Brown	Sand	SteepS	C	40	Dry	Excellent	BurnOld
10150718	09/10/2010	GroundTruth MD	568098	7064999	UTMZ7N WGS84		Brown	Sand	ModerateS	C	60	Dry	Excellent	BurnOld
10150719	09/10/2010	GroundTruth MD	568064	7064960	UTMZ7N WGS84		Brown	Sand	ModerateSW	C	50	Dry	Excellent	BurnOld
10150720	09/10/2010	GroundTruth MD	568029	7064924	UTMZ7N WGS84		Brown	Sand	ModerateSW	C	70	Dry	Excellent	BurnOld
10150721	09/10/2010	GroundTruth MD	567994	7064887	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	70	Dry	Excellent	BurnOld
10150722	09/10/2010	GroundTruth MD	567960	7064851	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	70	Dry	Excellent	BurnOld
10150724	09/10/2010	GroundTruth MD	567928	7064813	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	60	Dry	Excellent	BurnOld
10150725	09/10/2010	GroundTruth MD	567892	7064777	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	60	Dry	Excellent	BurnOld
10150726	09/10/2010	GroundTruth MD	567858	7064742	UTMZ7N WGS84		Brown	Sand	ModerateSW	C	60	Dry	Excellent	BurnOld
10150727	09/10/2010	GroundTruth MD	567824	7064703	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	60	Dry	Excellent	BurnOld
10150728	09/10/2010	GroundTruth MD	567789	7064669	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	60	Dry	Good	BurnOld
10150729	09/10/2010	GroundTruth MD	567756	7064631	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	60	Moist	Good	BurnOld
10150733	17/10/2010	GroundTruth TR	567378	7068332	UTMZ7N WGS84		Brown	Silt	Flat	C	40	Frozen	Good	BurnOld
10150734	17/10/2010	GroundTruth TR	567344	7068295	UTMZ7N WGS84		Brown	Silt	Ridge	B	20	Moist	Good	ForestMixed
10150735	17/10/2010	GroundTruth TR	567310	7068259	UTMZ7N WGS84		Brown	Silt	Ridge	B	60	Moist	Excellent	ForestMixed
10150736	17/10/2010	GroundTruth TR	567275	7068222	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
10150737	17/10/2010	GroundTruth TR	567241	7068185	UTMZ7N WGS84		Brown	Sand	Ridge	C	40	Dry	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10150738	17/10/2010	GroundTruth TR	567207	7068148	UTMZ7N WGS84		Brown	Silt	Ridge	B	30	Moist	Excellent	ForestMixed
10150739	17/10/2010	GroundTruth TR	566594	7067492	UTMZ7N WGS84		Brown	Silt	Ridge	B	40	Moist	Good	ForestMixed
10150740	17/10/2010	GroundTruth TR	567174	7068112	UTMZ7N WGS84		Brown	Silt	Ridge	B	20	Moist	Good	ForestMixed
10150741	17/10/2010	GroundTruth TR	567139	7068075	UTMZ7N WGS84		Brown	Silt	ModerateNW	C	30	Dry	Good	ForestMixed
10150742	17/10/2010	GroundTruth TR	567103	7068039	UTMZ7N WGS84		BrownLight	Silt	ModerateNE	C	30	Dry	Good	ForestMixed
10150743	17/10/2010	GroundTruth TR	567072	7068004	UTMZ7N WGS84		BrownLight	Silt	ModerateNW	C	50	Dry	Excellent	ForestMixed
10150744	17/10/2010	GroundTruth TR	567039	7067968	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	60	Dry	Excellent	ForestMixed
10150745	17/10/2010	GroundTruth TR	567005	7067931	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	60	Dry	Excellent	ForestMixed
10150746	17/10/2010	GroundTruth TR	566969	7067895	UTMZ7N WGS84		Brown	Silt	ModerateW	C	30	Dry	Good	ForestMixed
10150747	17/10/2010	GroundTruth TR	566935	7067857	UTMZ7N WGS84		Brown	Silt	ModerateW	C	50	Moist	Excellent	ForestMixed
10150748	17/10/2010	GroundTruth TR	566901	7067821	UTMZ7N WGS84		Brown	Silt	ModerateW	B	30	Moist	Good	ForestMixed
10150749	17/10/2010	GroundTruth TR	566867	7067785	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	40	Dry	Good	ForestMixed
10150750	17/10/2010	GroundTruth TR	566832	7067747	UTMZ7N WGS84		Brown	Silt	ModerateW	C	60	Dry	Excellent	ForestMixed
10150751	10/10/2010	GroundTruth DB	568414	7066068	UTMZ7N WGS84		Orange	Silt	ModerateW	C	60	Dry	Excellent	ForestMixed
10150752	10/10/2010	GroundTruth DB	568379	7066032	UTMZ7N WGS84		Brown	Sand	ModerateW	C	40	Dry	Good	ForestMixed
10150753	10/10/2010	GroundTruth DB	568346	7065993	UTMZ7N WGS84		Green	Sand	ModerateW	C	50	Moist	Excellent	ForestMixed
10150754	10/10/2010	GroundTruth DB	568311	7065958	UTMZ7N WGS84		Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
10150755	10/10/2010	GroundTruth DB	568278	7065922	UTMZ7N WGS84		Grey	Silt	ModerateW	C	65	Dry	Excellent	ForestMixed
10150756	10/10/2010	GroundTruth DB	568245	7065883	UTMZ7N WGS84		Grey	Silt	ModerateSW	C	65	Dry	Excellent	ForestMixed
10150757	10/10/2010	GroundTruth DB	568210	7065847	UTMZ7N WGS84		Brown	Sand	ModerateW	C	60	Dry	Excellent	ForestMixed
10150758	10/10/2010	GroundTruth DB	568173	7065814	UTMZ7N WGS84		Grey	Sand	ModerateSW	C	50	Dry	Excellent	ForestMixed
10150759	10/10/2010	GroundTruth DB	568140	7065776	UTMZ7N WGS84		Grey	Silt	ModerateW	C	50	Dry	Excellent	ForestMixed
10150760	10/10/2010	GroundTruth DB	568107	7065739	UTMZ7N WGS84		Brown	Silt	ModerateW	B	30	Moist	Poor	ForestMixed
10150761	10/10/2010	GroundTruth DB	568071	7065700	UTMZ7N WGS84		Brown	Silt	ModerateW	B	30	Moist	Good	ForestMixed
10150762	10/10/2010	GroundTruth DB	568041	7065662	UTMZ7N WGS84		Brown	Silt	Flat	C	70	Moist	Excellent	ForestMixed
10150763	10/10/2010	GroundTruth DB	568001	7065626	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	30	Moist	Poor	ForestMixed
10150764	10/10/2010	GroundTruth DB	567969	7065592	UTMZ7N WGS84		Brown	Silt	ModerateW	C	30	Dry	Good	ForestMixed
10150765	10/10/2010	GroundTruth DB	567937	7065554	UTMZ7N WGS84		Brown	Sand	ModerateW	C	60	Dry	Good	ForestMixed
10150766	10/10/2010	GroundTruth DB	567901	7065519	UTMZ7N WGS84		Brown	Silt	ModerateW	B	50	Moist	Good	ForestMixed
10150767	10/10/2010	GroundTruth DB	567869	7065485	UTMZ7N WGS84		Grey	Sand	ModerateW	C	60	Dry	Excellent	ForestMixed
10150768	10/10/2010	GroundTruth DB	567834	7065446	UTMZ7N WGS84		Brown	Silt	ModerateW	C	60	Frozen	Good	ForestMixed
10150769	10/10/2010	GroundTruth DB	567801	7065411	UTMZ7N WGS84		Brown	Silt	ModerateW	B	40	Frozen	Good	ForestMixed
10150770	10/10/2010	GroundTruth DB	567764	7065375	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	50	Moist	Poor	ForestMixed
10150771	10/10/2010	GroundTruth DB	567733	7065339	UTMZ7N WGS84		Brown	Sand	ModerateW	C	50	Dry	Excellent	ForestMixed
10150772	10/10/2010	GroundTruth DB	567698	7065303	UTMZ7N WGS84		Brown	Silt	ModerateW	C	40	Dry	Good	ForestMixed
10150773	10/10/2010	GroundTruth DB	567665	7065267	UTMZ7N WGS84		Brown	Silt	ModerateW	C	60	Dry	Excellent	ForestMixed
10150774	10/10/2010	GroundTruth DB	567630	7065227	UTMZ7N WGS84		Brown	Sand	ModerateW	C	60	Dry	Excellent	ForestMixed
10150775	10/10/2010	GroundTruth DB	567595	7065191	UTMZ7N WGS84		Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
10150776	10/10/2010	GroundTruth DB	567561	7065156	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
10150777	10/10/2010	GroundTruth DB	567525	7065119	UTMZ7N WGS84		Brown	Silt	ModerateNW	C	60	Dry	Good	ForestMixed
10150778	10/10/2010	GroundTruth IF	567827	7066615	UTMZ7N WGS84		Brown	Silt	ModerateN	C	40	Dry	Good	ForestMixed
10150779	10/10/2010	GroundTruth IF	567794	7066579	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C	80	Dry	Excellent	ForestMixed
10150780	10/10/2010	GroundTruth IF	567759	7066542	UTMZ7N WGS84		Brown	Silt	ModerateNE	C	50	Dry	Excellent	BurnOld
10150781	10/10/2010	GroundTruth IF	567725	7066505	UTMZ7N WGS84		Brown	Silt	ModerateN	C	50	Dry	Excellent	BurnOld
10150782	10/10/2010	GroundTruth IF	567691	7066469	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Excellent	BurnOld
10150783	10/10/2010	GroundTruth IF	567656	7066431	UTMZ7N WGS84		Grey	Silt	Ridge	C	80	Dry	Excellent	BurnOld
10150784	10/10/2010	GroundTruth IF	567622	7066392	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C	40	Dry	Good	BurnOld
10150785	10/10/2010	GroundTruth IF	567588	7066360	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C	40	Dry	Good	BurnOld
10150786	10/10/2010	GroundTruth IF	567553	7066321	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C	60	Dry	Good	BurnOld
10150787	10/10/2010	GroundTruth IF	567521	7066284	UTMZ7N WGS84		Brown	Silt	ModerateN	C	60	Dry	Good	BurnOld
10150788	10/10/2010	GroundTruth IF	567488	7066248	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	70	Dry	Excellent	BurnOld
10150789	10/10/2010	GroundTruth IF	567451	7066212	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Excellent	BurnOld
10150790	10/10/2010	GroundTruth IF	567418	7066175	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	50	Dry	Good	BurnOld
10150791	10/10/2010	GroundTruth IF	567384	7066138	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	60	Dry	Good	BurnOld
10150792	10/10/2010	GroundTruth IF	567350	7066101	UTMZ7N WGS84		Brown	Silt	Ridge	C	60	Moist	Good	BurnOld
10150793	10/10/2010	GroundTruth IF	567315	7066066	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	60	Dry	Excellent	BurnOld
10150794	10/10/2010	GroundTruth IF	567281	7066029	UTMZ7N WGS84		Brown	Silt	ModerateE	B	50	Dry	Good	BurnOld
10150795	10/10/2010	GroundTruth IF	567248	7065991	UTMZ7N WGS84		Brown	Silt	ModerateSE	B	50	Moist	Good	BurnOld
10150796	10/10/2010	GroundTruth IF	567212	7065955	UTMZ7N WGS84		Brown	Silt	ModerateSE	C	60	Moist	Excellent	BurnOld
10150797	10/10/2010	GroundTruth IF	567179	7065919	UTMZ7N WGS84		Brown	Silt	ModerateSE	B	60	Moist	Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10150798	10/10/2010	GroundTruth IF	567144	7065882	UTMZ7N WGS84		BrownDark	Silt	Ridge	C	40	Dry	Good	BurnOld
10150799	10/10/2010	GroundTruth IF	567111	7065849	UTMZ7N WGS84		Brown	Silt	Ridge	B	40	Moist	Good	BurnOld
10150800	10/10/2010	GroundTruth IF	567078	7065812	UTMZ7N WGS84		Brown	Silt	ModerateS	C	40	Moist	Good	BurnOld
10150801	10/10/2010	GroundTruth IF	567044	7065775	UTMZ7N WGS84		BrownDark	Silt	ModerateS	C	60	Dry	Good	BurnOld
10150802	10/10/2010	GroundTruth IF	567010	7065739	UTMZ7N WGS84		Brown	Silt	ModerateS	C	80	Dry	Excellent	BurnOld
10150803	10/10/2010	GroundTruth IF	566975	7065702	UTMZ7N WGS84		Brown	Silt	ModerateSE	C	60	Dry	Good	BurnOld
10150804	10/10/2010	GroundTruth IF	566941	7065666	UTMZ7N WGS84		Brown	Silt	ModerateSE	C	60	Dry	Good	BurnOld
10150805	10/10/2010	GroundTruth IF	566909	7065628	UTMZ7N WGS84		Brown	Silt	ModerateSE	C	60	Moist	Good	BurnOld
10150806	10/10/2010	GroundTruth IF	566873	7065593	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C	50	Dry	Good	BurnOld
10150807	10/10/2010	GroundTruth IF	566839	7065554	UTMZ7N WGS84		Brown	Silt	ModerateN	C	50	Moist	Good	BurnOld
10150808	10/10/2010	GroundTruth IF	566804	7065520	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C	60	Moist	Good	BurnOld
10150820	10/10/2010	GroundTruth AC	567900	7066548	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C	40	Dry	Good	BurnOld
10150821	10/10/2010	GroundTruth AC	567867	7066510	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C	40	Dry	Good	BurnOld
10150822	10/10/2010	GroundTruth AC	567833	7066475	UTMZ7N WGS84		Brown	Silt	ModerateN	C	60	Dry	Good	BurnOld
10150823	10/10/2010	GroundTruth AC	567799	7066438	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C	60	Dry	Good	BurnOld
10150824	10/10/2010	GroundTruth AC	567763	7066401	UTMZ7N WGS84		Brown	Silt	ModerateN	C	40	Moist	Poor	BurnOld
10150825	10/10/2010	GroundTruth AC	567730	7066364	UTMZ7N WGS84		Brown	Silt	ModerateN	B	30	Moist	Good	BurnOld
10150826	10/10/2010	GroundTruth AC	567696	7066328	UTMZ7N WGS84		Brown	Silt	ModerateN	B	40	Moist	Good	BurnOld
10150827	10/10/2010	GroundTruth AC	567664	7066290	UTMZ7N WGS84		Brown	Silt	ModerateN	C	60	Moist	Good	BurnOld
10150828	10/10/2010	GroundTruth AC	567627	7066254	UTMZ7N WGS84		Brown	Silt	ModerateN	B	50	Moist	Good	BurnOld
10150829	10/10/2010	GroundTruth AC	567597	7066220	UTMZ7N WGS84		Brown	Silt	ModerateN	C	70	Moist	Excellent	BurnOld
10150830	10/10/2010	GroundTruth AC	567561	7066178	UTMZ7N WGS84		Grey	Gravel	ModerateN	C	70	Moist	Good	BurnOld
10150831	10/10/2010	GroundTruth AC	567527	7066143	UTMZ7N WGS84		Brown	Silt	ModerateN	B	40	Moist	Poor	BurnOld
10150832	10/10/2010	GroundTruth AC	567492	7066105	UTMZ7N WGS84		Brown	Silt	ModerateN	C	50	Moist	Excellent	BurnOld
10150833	10/10/2010	GroundTruth AC	567460	7066069	UTMZ7N WGS84		RustyRed	Gravel	Moderate	C	40		Good	ForestBirch
10150834	10/10/2010	GroundTruth AC	567423	7066033	UTMZ7N WGS84		RustyRed	Gravel	Moderate	C	40		Good	ForestBirch
10150835	10/10/2010	GroundTruth AC	567390	7065996	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
10150836	10/10/2010	GroundTruth AC	567357	7065960	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	50		Good	BurnOld
10150837	10/10/2010	GroundTruth AC	567322	7065922	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	30		Good	BurnOld
10150838	10/10/2010	GroundTruth AC	567288	7065885	UTMZ7N WGS84		BrownDark		Moderate	C	30	Frozen	Poor	ForestBlackSpruce
10150839	10/10/2010	GroundTruth AC	567254	7065849	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	50		Good	BurnOld
10150840	10/10/2010	GroundTruth AC	567221	7065818	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	50		Good	BurnOld
10150841	10/10/2010	GroundTruth AC	567187	7065780	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	50		Good	BurnOld
10150842	10/10/2010	GroundTruth AC	567151	7065741	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	40		Good	BurnOld
10150843	10/10/2010	GroundTruth AC	567118	7065703	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	50		Good	BurnOld
10150844	10/10/2010	GroundTruth AC	567085	7065669	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	40		Good	BurnOld
10150845	10/10/2010	GroundTruth AC	567050	7065633	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	50		Good	BurnOld
10150846	10/10/2010	GroundTruth AC	567016	7065596	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	110		Excellent	BurnOld
10150847	10/10/2010	GroundTruth AC	566980	7065559	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	50		Good	BurnOld
10150848	10/10/2010	GroundTruth AC	566947	7065521	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	50		Good	BurnOld
10150849	10/10/2010	GroundTruth AC	566912	7065486	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	100		Excellent	BurnOld
10150850	10/10/2010	GroundTruth AC	566877	7065452	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	90		Excellent	BurnOld
10150851	15/10/2010	GroundTruth AC	568500	7067628	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
10150852	15/10/2010	GroundTruth AC	568462	7067588	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	50		Excellent	BurnOld
10150855	10/10/2010	GroundTruth MD	568195	7066274	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	50		Excellent	ForestBirch
10150856	10/10/2010	GroundTruth MD	568158	7066233	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	ForestBirch
10150857	10/10/2010	GroundTruth MD	568123	7066199	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	ForestBirch
10150858	10/10/2010	GroundTruth MD	568090	7066163	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Excellent	ForestBirch
10150859	10/10/2010	GroundTruth MD	568056	7066126	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	40	Frozen	Good	ForestBirch
10150860	10/10/2010	GroundTruth MD	568022	7066089	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	60		Excellent	ForestBirch
10150861	10/10/2010	GroundTruth MD	567987	7066053	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	50		Good	ForestBirch
10150862	10/10/2010	GroundTruth MD	567952	7066018	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	70		Excellent	BurnOld
10150863	10/10/2010	GroundTruth MD	567919	7065979	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Good	BurnOld
10150864	10/10/2010	GroundTruth MD	567884	7065942	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Good	BurnOld
10150865	10/10/2010	GroundTruth MD	567851	7065908	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Good	BurnOld
10150866	10/10/2010	GroundTruth MD	567819	7065871	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Excellent	ForestBirch
10150867	10/10/2010	GroundTruth MD	567783	7065835	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	50		Good	ForestBirch
10150868	10/10/2010	GroundTruth MD	567749	7065796	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Excellent	ForestBirch
10150869	10/10/2010	GroundTruth MD	567715	7065759	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	40		Good	ForestBirch
10150870	10/10/2010	GroundTruth MD	567679	7065724	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	80		Excellent	ForestBirch

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10150871	10/10/2010	GroundTruth MD	567647	7065686	UTMZ7N WGS84		BrownDark	Sand	Moderate	B	40		Good	ForestBirch
10150872	10/10/2010	GroundTruth MD	567612	7065650	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	90		Excellent	ForestAspen
10150873	10/10/2010	GroundTruth MD	567577	7065613	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	ForestAspen
10150874	10/10/2010	GroundTruth MD	567544	7065575	UTMZ7N WGS84		BrownDark	Sand	Moderate	B	40		Good	ForestAspen
10150875	10/10/2010	GroundTruth MD	567512	7065542	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	100		Excellent	ForestAspen
10150876	10/10/2010	GroundTruth MD	567478	7065507	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	70		Excellent	ForestAspen
10150877	10/10/2010	GroundTruth MD	567445	7065471	UTMZ7N WGS84		RustyRed	Sand	Moderate	C	50		Good	ForestAspen
10150878	10/10/2010	GroundTruth MD	567408	7065434	UTMZ7N WGS84		Orange	Silt	Moderate	C	70		Excellent	ForestAspen
10150879	10/10/2010	GroundTruth MD	567375	7065397	UTMZ7N WGS84		RustyOrange	Sand	Moderate	C	40		Good	ForestAspen
10150880	10/10/2010	GroundTruth MD	567343	7065360	UTMZ7N WGS84		Green	Sand	Moderate	C	110		Excellent	ForestAspen
10150881	10/10/2010	GroundTruth MD	567308	7065323	UTMZ7N WGS84		Green	Sand	Moderate	C	110		Excellent	ForestAspen
10150882	10/10/2010	GroundTruth MD	567272	7065289	UTMZ7N WGS84		RustyOrange	Sand	Moderate	C	70		Excellent	ForestAspen
10150883	10/10/2010	GroundTruth MD	567239	7065252	UTMZ7N WGS84		RustyOrange	Sand	Moderate	C	80		Excellent	ForestAspen
10150884	10/10/2010	GroundTruth MD	567204	7065214	UTMZ7N WGS84		Green	Sand	Moderate	C	110		Excellent	ForestAspen
10150885	10/10/2010	GroundTruth MD	567169	7065178	UTMZ7N WGS84		BrownDark	Silt	RidgeAlpine	B	40	Dry	Poor	AlpineBare
10150886	10/10/2010	GroundTruth MD	567246	7065108	UTMZ7N WGS84		BrownDark	Silt	RidgeAlpine	B	30	Wet	Poor	AlpineBare
10150887	11/10/2010	GroundTruth MD	568996	7067574	UTMZ7N WGS84		BrownDark	Silt	RidgeAlpine	B	40	Wet	Poor	AlpineBare
10150888	11/10/2010	GroundTruth MD	568962	7067538	UTMZ7N WGS84		BrownDark	Silt	RidgeAlpine	B	40	Moist	Poor	AlpineBare
10150889	11/10/2010	GroundTruth MD	568928	7067502	UTMZ7N WGS84		BrownDark	Silt	RidgeAlpine	B	30	Wet	Poor	AlpineBare
10150890	11/10/2010	GroundTruth MD	568894	7067466	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	B	40	Wet	Poor	AlpineBare
10150891	11/10/2010	GroundTruth MD	568862	7067428	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	80		Excellent	BurnOld
10150892	11/10/2010	GroundTruth MD	568827	7067392	UTMZ7N WGS84		RustyOrange	Sand	Moderate	C	70		Excellent	BurnOld
10150893	11/10/2010	GroundTruth MD	568793	7067356	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	40	Wet	Poor	SubAlpineBrush
10150894	11/10/2010	GroundTruth MD	568758	7067319	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	40	Moist	Poor	SubAlpineBrush
10150895	11/10/2010	GroundTruth MD	568724	7067283	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	60	Dry	Excellent	SubAlpineBrush
10150896	11/10/2010	GroundTruth MD	568688	7067247	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	60	Dry	Good	BurnOld
10150897	11/10/2010	GroundTruth MD	568656	7067210	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	50	Dry	Good	BurnOld
10150898	11/10/2010	GroundTruth MD	568620	7067174	UTMZ7N WGS84		BrownDark	Silt	ModerateSW	B	50	Dry	Good	BurnOld
10150899	11/10/2010	GroundTruth MD	568587	7067137	UTMZ7N WGS84		BrownDark	Silt	ModerateSW	B	40	Dry	Good	BurnOld
10150900	11/10/2010	GroundTruth MD	568554	7067098	UTMZ7N WGS84		BrownDark	Silt	ModerateSW	B	40	Dry	Good	BurnOld
10150901	11/10/2010	GroundTruth MD	568519	7067063	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	50	Dry	Good	BurnOld
10150902	11/10/2010	GroundTruth MD	568485	7067026	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	30	Dry	Good	BurnOld
10150903	11/10/2010	GroundTruth MD	568450	7066990	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	B	40	Dry	Good	BurnOld
10150904	11/10/2010	GroundTruth MD	568416	7066952	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	B	50	Dry	Good	BurnOld
10150905	11/10/2010	GroundTruth MD	568382	7066916	UTMZ7N WGS84		Orange	Silt	ModerateSW	C	40	Dry	Excellent	BurnOld
10150906	11/10/2010	GroundTruth MD	568349	7066879	UTMZ7N WGS84		Orange	Silt	ModerateSE	C	50	Dry	Excellent	BurnOld
10150907	11/10/2010	GroundTruth MD	568318	7066844	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	B	50	Dry	Poor	AlpineBare
10150908	11/10/2010	GroundTruth MD	568282	7066807	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	B	50	Dry	Good	AlpineBare
10150909	11/10/2010	GroundTruth MD	568247	7066771	UTMZ7N WGS84		RustyOrange	Sand	RidgeAlpine	C	50	Dry	Good	AlpineBare
10150910	11/10/2010	GroundTruth MD	568214	7066735	UTMZ7N WGS84		BrownDark	Silt	RidgeAlpine	B	50	Dry	Poor	AlpineBare
10150911	11/10/2010	GroundTruth MD	568179	7066698	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	B	30	Dry	Poor	AlpineBare
10150912	11/10/2010	GroundTruth MD	568145	7066661	UTMZ7N WGS84		RustyOrange	Silt	RidgeAlpine	B	30	Dry	Poor	BurnOld
10150913	11/10/2010	GroundTruth MD	568112	7066624	UTMZ7N WGS84		Brown	Silt	Ridge	B	40	Dry	Poor	BurnOld
10150914	11/10/2010	GroundTruth MD	568075	7066588	UTMZ7N WGS84		Brown	Silt	Ridge	B	60	Moist	Poor	BurnOld
10150916	11/10/2010	GroundTruth MD	568042	7066552	UTMZ7N WGS84		Orange	Silt	Ridge	C	40	Dry	Excellent	BurnOld
10150917	11/10/2010	GroundTruth MD	568009	7066515	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	B	40	Moist	Good	BurnOld
10150922	11/10/2010	GroundTruth IF	569071	7067509	UTMZ7N WGS84		Green	Silt	ModerateSW	C	70	Dry	Excellent	BurnOld
10150923	11/10/2010	GroundTruth IF	569037	7067470	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	C	40	Dry	Good	ForestMixed
10150924	11/10/2010	GroundTruth IF	569002	7067434	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	40	Dry	Poor	ForestBlackSpruce
10150925	11/10/2010	GroundTruth IF	568967	7067398	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	40	Dry	Good	ForestBlackSpruce
10150926	11/10/2010	GroundTruth IF	568934	7067362	UTMZ7N WGS84		Red	Silt	ModerateSW	B	40	Dry	Good	ForestBlackSpruce
10150927	11/10/2010	GroundTruth IF	568899	7067324	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	C	80	Dry	Good	ForestBlackSpruce
10150928	11/10/2010	GroundTruth IF	568865	7067288	UTMZ7N WGS84		Green	Silt	ModerateSW	C	80	Dry	Excellent	ForestBlackSpruce
10150929	11/10/2010	GroundTruth IF	568831	7067252	UTMZ7N WGS84		Green	Silt	ModerateSW	C	60	Dry	Good	ForestBlackSpruce
10150930	11/10/2010	GroundTruth IF	568798	7067214	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	40	Dry	Poor	ForestMixed
10150931	11/10/2010	GroundTruth IF	568762	7067178	UTMZ7N WGS84		RustyOrange	Silt	ModerateSW	C	60	Dry	Excellent	ForestMixed
10150932	11/10/2010	GroundTruth IF	568729	7067140	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	60	Dry	Excellent	ForestBlackSpruce
10150933	11/10/2010	GroundTruth IF	568696	7067104	UTMZ7N WGS84		BrownDark	Silt	ModerateSW	B	40	Dry	Poor	ForestBlackSpruce
10150934	11/10/2010	GroundTruth IF	568661	7067068	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	C	50	Dry	Excellent	ForestBlackSpruce
10150935	11/10/2010	GroundTruth IF	568626	7067032	UTMZ7N WGS84		BrownDark	Silt	ModerateSW	B	30	Dry	Poor	ForestMixed



Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10150936	11/10/2010	GroundTruth IF	568593	7066994	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	C	60	Dry	Excellent	ForestBlackSpruce
10150937	11/10/2010	GroundTruth IF	568558	7066957	UTMZ7N WGS84		Brown	Silt	Ridge	B	30	Dry	Poor	SubAlpineBrush
10150938	11/10/2010	GroundTruth IF	568523	7066922	UTMZ7N WGS84		RustyOrange	Silt	Ridge	B	40		Poor	SubAlpineBrush
10150939	11/10/2010	GroundTruth IF	568490	7066884	UTMZ7N WGS84		Brown	Silt	ModerateW	B	30	Dry	Poor	SubAlpineBrush
10150940	11/10/2010	GroundTruth IF	568454	7066848	UTMZ7N WGS84		Brown	Silt	ModerateW	B	40	Dry	Poor	BurnOld
10150941	11/10/2010	GroundTruth IF	568422	7066812	UTMZ7N WGS84		Brown	Silt	ModerateW	B	30	Dry	Poor	BurnOld
10150942	11/10/2010	GroundTruth IF	568386	7066774	UTMZ7N WGS84		Brown	Silt	ModerateW	B	60	Dry	Good	BurnOld
10150943	11/10/2010	GroundTruth IF	568355	7066740	UTMZ7N WGS84		BrownLight	Silt	ModerateW	C	60	Dry	Excellent	BurnOld
10150944	11/10/2010	GroundTruth IF	568319	7066703	UTMZ7N WGS84		BrownLight	Silt	ModerateW	C	50	Dry	Good	BurnOld
10150945	11/10/2010	GroundTruth IF	568287	7066666	UTMZ7N WGS84		Green	Silt	ModerateW	C	50	Dry	Excellent	BurnOld
10150946	11/10/2010	GroundTruth IF	568251	7066630	UTMZ7N WGS84		Orange	Sand	ModerateW	C	50	Dry	Good	BurnOld
10150947	11/10/2010	GroundTruth IF	568217	7066593	UTMZ7N WGS84		Orange	Sand	ModerateW	C	50	Dry	Good	BurnOld
10150948	11/10/2010	GroundTruth IF	568183	7066558	UTMZ7N WGS84		RustyOrange	Silt	ModerateW	C	30	Dry	Good	BurnOld
10150949	11/10/2010	GroundTruth IF	568150	7066521	UTMZ7N WGS84		RustyOrange	Silt	ModerateE	C	50	Dry	Good	BurnOld
10150950	11/10/2010	GroundTruth IF	568115	7066484	UTMZ7N WGS84		Orange	Silt	ModerateW	C	40	Dry	Good	BurnOld
10150951	11/10/2010	GroundTruth IF	568080	7066446	UTMZ7N WGS84		Orange	Sand	ModerateW	C	40	Dry	Good	BurnOld
10150954	11/10/2010	GroundTruth WW	569143	7067440	UTMZ7N WGS84		Tan	Silt	ModerateW	C	60	Dry	Excellent	BurnOld
10150955	11/10/2010	GroundTruth WW	569109	7067403	UTMZ7N WGS84		Orange	Silt	ModerateE	C	40	Dry	Good	BurnOld
10150956	11/10/2010	GroundTruth WW	569075	7067366	UTMZ7N WGS84		BrownLight	Silt	ModerateE	B	40	Moist	Poor	BurnOld
10150957	11/10/2010	GroundTruth WW	569041	7067330	UTMZ7N WGS84		Tan	Silt	ModerateE	C	40	Dry	Excellent	BurnOld
10150958	11/10/2010	GroundTruth WW	569007	7067293	UTMZ7N WGS84		BrownLight	Silt	ModerateW	C	40	Dry	Excellent	BurnOld
10150959	11/10/2010	GroundTruth WW	568972	7067256	UTMZ7N WGS84		BrownLight	Silt	ModerateW	C	40	Dry	Excellent	BurnOld
10150960	11/10/2010	GroundTruth WW	568939	7067219	UTMZ7N WGS84		Green	Silt	ModerateW	C	50	Dry	Good	BurnOld
10150961	11/10/2010	GroundTruth WW	568905	7067183	UTMZ7N WGS84		BrownLight	Silt	ModerateW	C	30	Dry	Good	BurnOld
10150962	11/10/2010	GroundTruth WW	568870	7067145	UTMZ7N WGS84		RustyOrange	Silt	ModerateW	B	30	Moist	Poor	BurnOld
10150963	11/10/2010	GroundTruth WW	568836	7067110	UTMZ7N WGS84		BrownLight	Silt	ModerateW	C	40	Dry	Excellent	BurnOld
10150964	11/10/2010	GroundTruth WW	568802	7067072	UTMZ7N WGS84		RustyOrange	Silt	ModerateN	C	40	Dry	Good	BurnOld
10150965	11/10/2010	GroundTruth WW	568769	7067036	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	50	Dry	Excellent	BurnOld
10150966	11/10/2010	GroundTruth WW	568734	7067000	UTMZ7N WGS84		Yellow	Sand	Ridge	C	50	Dry	Good	BurnOld
10150967	11/10/2010	GroundTruth WW	568699	7066963	UTMZ7N WGS84		Green	Silt	Ridge	C	50	Dry	Poor	BurnOld
10150968	11/10/2010	GroundTruth WW	568666	7066927	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	40	Dry	Excellent	BurnOld
10150969	11/10/2010	GroundTruth WW	568631	7066889	UTMZ7N WGS84		RustyOrange	Silt	Ridge	C	40	Dry	Excellent	BurnOld
10150970	11/10/2010	GroundTruth WW	568598	7066854	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	50	Dry	Excellent	BurnOld
10150971	11/10/2010	GroundTruth WW	568565	7066818	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	40	Moist	Good	BurnOld
10150972	11/10/2010	GroundTruth WW	568530	7066782	UTMZ7N WGS84		BrownLight	Sand	Ridge	C	60	Dry	Excellent	BurnOld
10150973	11/10/2010	GroundTruth WW	568497	7066745	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	40	Dry	Good	BurnOld
10150974	11/10/2010	GroundTruth WW	568461	7066708	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	60	Dry	Excellent	BurnOld
10150975	11/10/2010	GroundTruth WW	568429	7066672	UTMZ7N WGS84		Brown	Silt	Ridge	B	40	Dry	Good	BurnOld
10150976	11/10/2010	GroundTruth WW	568393	7066635	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	50	Dry	Good	BurnOld
10150977	11/10/2010	GroundTruth WW	568359	7066600	UTMZ7N WGS84		Tan	Silt	Ridge	C	40	Dry	Good	BurnOld
10150978	11/10/2010	GroundTruth WW	568326	7066561	UTMZ7N WGS84		Tan	Silt	Ridge	C	50	Dry	Good	BurnOld
10150980	11/10/2010	GroundTruth WW	568292	7066526	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Good	BurnOld
10150981	11/10/2010	GroundTruth WW	568257	7066489	UTMZ7N WGS84		Brown	Silt	Ridge	C	30	Dry	Good	BurnOld
10150982	11/10/2010	GroundTruth WW	568223	7066453	UTMZ7N WGS84		Orange	Silt	Ridge	C	40	Dry	Excellent	BurnOld
10150983	11/10/2010	GroundTruth WW	568188	7066415	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	50	Dry	Good	BurnOld
10150984	11/10/2010	GroundTruth WW	568155	7066380	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	50	Dry	Good	BurnOld
10150995	17/10/2010	GroundTruth WW	567598	7067103	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	50	Dry	Good	BurnOld
10150996	10/10/2010	GroundTruth IB	567024	7065314	UTMZ7N WGS84		Brown	Silt	Ridge	C	60	Dry	Excellent	BurnOld
10151036	17/10/2010	GroundTruth DB	567266	7068505	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	40	Dry	Good	BurnOld
10151037	17/10/2010	GroundTruth DB	567233	7068467	UTMZ7N WGS84		BrownLight	Silt	ModerateN	C	40	Wet	Poor	BurnOld
10151038	17/10/2010	GroundTruth DB	567197	7068433	UTMZ7N WGS84		Blue	Silt	ModerateW	C	40	Dry	Good	BurnOld
10151039	17/10/2010	GroundTruth DB	567163	7068396	UTMZ7N WGS84		Blue	Silt	ModerateW	C	40	Dry	Good	ForestMixed
10151040	17/10/2010	GroundTruth DB	567130	7068358	UTMZ7N WGS84		Blue	Silt	ModerateW	C	40	Dry	Good	ForestMixed
10151041	17/10/2010	GroundTruth DB	567096	7068322	UTMZ7N WGS84		Brown	Silt	ModerateW	C	40	Dry	Good	ForestMixed
10151042	17/10/2010	GroundTruth DB	567061	7068285	UTMZ7N WGS84		Brown	Silt	ModerateW	C	70	Dry	Excellent	ForestMixed
10151043	17/10/2010	GroundTruth DB	567027	7068247	UTMZ7N WGS84		Brown	Silt	ModerateW	C	40	Dry	Good	BurnOld
10151044	17/10/2010	GroundTruth DB	566995	7068211	UTMZ7N WGS84		BrownDark	Silt	ModerateW	B	40	Dry	Poor	ForestMixed
10151045	17/10/2010	GroundTruth DB	566960	7068173	UTMZ7N WGS84		Green	Silt	ModerateW	C	60	Dry	Good	ForestMixed
10151046	17/10/2010	GroundTruth DB	566925	7068138	UTMZ7N WGS84		Brown	Silt	ModerateW	C	60	Dry	Good	ForestMixed
10151047	17/10/2010	GroundTruth DB	566861	7068064	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	60	Dry	Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10151048	17/10/2010	GroundTruth DB	566825	7068030	UTMZ7N WGS84		Brown	Silt	ModerateW	C	40	Dry	Good	BurnOld
10151049	17/10/2010	GroundTruth DB	566792	7067992	UTMZ7N WGS84		BrownLight	Silt	Flat	B	30	Moist	Poor	ForestMixed
10151050	17/10/2010	GroundTruth DB	566759	7067954	UTMZ7N WGS84		BrownDark	Silt	Flat	B	30	Dry	Poor	BurnOld
10151051	17/10/2010	GroundTruth DB	566722	7067920	UTMZ7N WGS84		BrownLight	Silt	ModerateE	C	50	Dry	Good	BurnOld
10151052	17/10/2010	GroundTruth DB	566687	7067884	UTMZ7N WGS84		Brown	Silt	ModerateE	C	40	Dry	Good	BurnOld
10151053	17/10/2010	GroundTruth DB	566656	7067845	UTMZ7N WGS84		BrownLight	Silt	ModerateE	C	40	Moist	Good	BurnOld
10151054	17/10/2010	GroundTruth DB	566620	7067810	UTMZ7N WGS84		Brown	Silt	ModerateE	C	40	Dry	Good	BurnOld
10151055	17/10/2010	GroundTruth DB	566586	7067775	UTMZ7N WGS84		Brown	Sand	ModerateS	C	40	Dry	Good	ForestMixed
10151056	17/10/2010	GroundTruth DB	566553	7067735	UTMZ7N WGS84		Brown	Silt	ModerateS	B	40	Moist	Poor	ForestBlackSpruce
10151057	17/10/2010	GroundTruth DB	566516	7067702	UTMZ7N WGS84		Brown	Silt	ModerateS	C	80	Moist	Good	ForestBlackSpruce
10151058	17/10/2010	GroundTruth DB	566484	7067663	UTMZ7N WGS84		Brown	Silt	ModerateS	B	40	Moist	Poor	ForestBlackSpruce
10151059	17/10/2010	GroundTruth DB	566449	7067628	UTMZ7N WGS84		Green	Silt	ModerateS	C	50	Dry	Good	ForestBlackSpruce
10151060	17/10/2010	GroundTruth DB	566414	7067591	UTMZ7N WGS84		Green	Sand	Ridge	C	50	Dry	Good	BurnOld
10151061	17/10/2010	GroundTruth DB	566381	7067554	UTMZ7N WGS84		Yellow	Sand	Ridge	C	50	Dry	Good	BurnOld
10151065	15/10/2010	GroundTruth AC	568431	7067555	UTMZ7N WGS84		RustyOrange	Sand	Ridge	C	40	Dry	Good	BurnOld
10151066	15/10/2010	GroundTruth AC	568398	7067517	UTMZ7N WGS84		Brown	Silt	ModerateS	B	40	Dry	Poor	BurnOld
10151067	15/10/2010	GroundTruth AC	568365	7067480	UTMZ7N WGS84		BrownDark	Silt	Moderate	C	90		Good	ForestAspen
10151068	15/10/2010	GroundTruth AC	568330	7067443	UTMZ7N WGS84		Brown	Silt	ModerateS	B	30	Wet	Poor	BurnOld
10151069	15/10/2010	GroundTruth AC	568298	7067407	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	C	40	Dry	Good	BurnOld
10151070	15/10/2010	GroundTruth AC	568263	7067370	UTMZ7N WGS84		Green	Silt	ModerateS	C	50	Dry	Good	ForestMixed
10151071	15/10/2010	GroundTruth AC	568228	7067331	UTMZ7N WGS84			Silt	ModerateS	C	50	Dry	Good	ForestMixed
10151072	15/10/2010	GroundTruth AC	568195	7067299	UTMZ7N WGS84		Green	Silt	ModerateS	C	40	Dry	Good	BurnOld
10151073	15/10/2010	GroundTruth AC	568160	7067260	UTMZ7N WGS84		Green	Sand	ModerateS	C	60	Dry	Good	BurnOld
10151074	15/10/2010	GroundTruth AC	568125	7067222	UTMZ7N WGS84		BrownLight	Silt	ModerateS	B	30	Wet	Poor	BurnOld
10151075	15/10/2010	GroundTruth AC	568092	7067187	UTMZ7N WGS84		BrownLight	Silt	ModerateS	B	30	Wet	Poor	BurnOld
10151076	15/10/2010	GroundTruth AC	568058	7067151	UTMZ7N WGS84		BrownLight	Sand	ModerateS	C	40	Dry	Excellent	BurnOld
10151078	15/10/2010	GroundTruth AC	567988	7067078	UTMZ7N WGS84		Orange	Silt	ModerateS	C	60	Dry	Good	BurnOld
10151079	15/10/2010	GroundTruth AC	567956	7067040	UTMZ7N WGS84		Brown	Silt	ModerateS	B	40	Wet	Poor	BurnOld
10151080	15/10/2010	GroundTruth AC	567922	7067004	UTMZ7N WGS84		Green	Silt	ModerateS	C	40	Dry	Good	BurnOld
10151081	15/10/2010	GroundTruth AC	567887	7066968	UTMZ7N WGS84		RustyOrange	Silt	ModerateS	C	70	Dry	Good	BurnOld
10151082	15/10/2010	GroundTruth AC	567854	7066932	UTMZ7N WGS84		RustyOrange	Silt	ModerateS	C	50	Dry	Excellent	BurnOld
10151083	15/10/2010	GroundTruth AC	567824	7066897	UTMZ7N WGS84		Green	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
10151084	15/10/2010	GroundTruth AC	567787	7066860	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
10151085	15/10/2010	GroundTruth AC	567753	7066824	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	40	Moist	Excellent	ForestMixed
10151087	15/10/2010	GroundTruth AC	567718	7066792	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	70	Moist	Excellent	BurnOld
10151088	15/10/2010	GroundTruth AC	567683	7066750	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	60	Moist	Good	BurnOld
10151089	15/10/2010	GroundTruth AC	567650	7066714	UTMZ7N WGS84		Brown	Silt	ModerateS	B	40	Moist	Poor	BurnOld
10151090	15/10/2010	GroundTruth AC	567615	7066677	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Excellent	BurnOld
10151091	15/10/2010	GroundTruth AC	567580	7066642	UTMZ7N WGS84		Brown	Silt	Ridge	C	60	Dry	Excellent	BurnOld
10151092	15/10/2010	GroundTruth AC	567546	7066606	UTMZ7N WGS84		Brown	Silt	Ridge	C	80	Dry	Excellent	BurnOld
10151093	15/10/2010	GroundTruth AC	567511	7066569	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	B	30	Dry	Poor	BurnOld
10151094	17/10/2010	GroundTruth AC	567769	7068312	UTMZ7N WGS84		Brown	Silt	Ridge	B	40	Dry	Poor	BurnOld
10151095	17/10/2010	GroundTruth TR	567480	7068442	UTMZ7N WGS84		Brown	Silt	Ridge	C	60	Dry	Excellent	SubAlpineBrush
10151096	17/10/2010	GroundTruth TR	567447	7068405	UTMZ7N WGS84		Green	Silt	Ridge	C	40	Dry	Good	SubAlpineBrush
10151097	17/10/2010	GroundTruth TR	567411	7068368	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	50	Dry	Excellent	SubAlpineBrush
10151098	17/10/2010	GroundTruth AC	567735	7068274	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	50	Dry	Excellent	SubAlpineBrush
10151099	17/10/2010	GroundTruth AC	567700	7068238	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	50	Dry	Good	SubAlpineBrush
10151168	16/10/2010	GroundTruth TR	569047	7067189	UTMZ7N WGS84		BrownLight	Silt	ModerateNW	C	50	Dry	Good	ForestMixed
10151171	16/10/2010	GroundTruth TR	569014	7067153	UTMZ7N WGS84		BrownLight	Silt	ModerateNW	C	40	Dry	Excellent	BurnOld
10151172	16/10/2010	GroundTruth TR	568979	7067116	UTMZ7N WGS84		BrownLight	Silt	ModerateNW	C	40	Dry	Excellent	BurnOld
10151173	16/10/2010	GroundTruth TR	568945	7067079	UTMZ7N WGS84		BrownLight	Silt	ModerateNW	C	50	Dry	Excellent	BurnOld
10151174	16/10/2010	GroundTruth TR	568911	7067043	UTMZ7N WGS84		BrownLight	Silt	ModerateNW	C	50	Dry	Excellent	BurnOld
10151175	16/10/2010	GroundTruth TR	568877	7067006	UTMZ7N WGS84		BrownLight	Silt	ModerateNW	C	40	Dry	Good	BurnOld
10151176	16/10/2010	GroundTruth TR	568842	7066969	UTMZ7N WGS84		BrownLight	Silt	ModerateNW	B	80	Moist	Poor	BurnOld
10151177	16/10/2010	GroundTruth TR	568809	7066933	UTMZ7N WGS84		BrownDark	Silt	ModerateNW	B	40	Moist	Poor	BurnOld
10151178	16/10/2010	GroundTruth TR	568774	7066896	UTMZ7N WGS84		Brown	Silt	ModerateNW	B	40	Moist	Poor	BurnOld
10151179	16/10/2010	GroundTruth TR	568740	7066860	UTMZ7N WGS84		BrownDark	Silt	ModerateNW	B	40	Wet	Poor	ForestBlackSpruce
10151180	16/10/2010	GroundTruth TR	568706	7066823	UTMZ7N WGS84		BrownDark	Silt	ModerateNW	B	40	Wet	Poor	ForestBlackSpruce
10151181	16/10/2010	GroundTruth TR	568671	7066786	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10151182	16/10/2010	GroundTruth TR	568638	7066750	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10151183	16/10/2010	GroundTruth TR	568604	7066713	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	70		Excellent	BurnOld
10151184	16/10/2010	GroundTruth TR	568569	7066676	UTMZ7N WGS84		BrownDark	Sand	Moderate	C	60		Good	BurnOld
10151185	16/10/2010	GroundTruth TR	568535	7066640	UTMZ7N WGS84	TalusFine	RustyOrange	Sand	Moderate	C	80		Excellent	BurnOld
10151186	16/10/2010	GroundTruth TR	568501	7066603	UTMZ7N WGS84		BrownDark	Silt	ModerateE	C	40	Dry	Good	ForestMixed
10151187	16/10/2010	GroundTruth TR	568466	7066567	UTMZ7N WGS84		Green	Silt	ModerateE	C	70	Dry	Excellent	ForestMixed
10151188	16/10/2010	GroundTruth TR	568433	7066530	UTMZ7N WGS84		BrownDark	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
10151189	16/10/2010	GroundTruth TR	568399	7066494	UTMZ7N WGS84		BrownDark	Silt	ModerateE	C	65	Dry	Excellent	ForestMixed
10151190	16/10/2010	GroundTruth TR	568364	7066456	UTMZ7N WGS84		Green	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
10151313	17/10/2010	GroundTruth WW	567496	7066992	UTMZ7N WGS84		Green	Silt	ModerateE	C	40	Dry	Good	ForestMixed
10151314	17/10/2010	GroundTruth WW	567462	7066955	UTMZ7N WGS84		Green	Silt	ModerateE	C	40	Dry	Good	ForestMixed
10151456	15/10/2010	GroundTruth MD	568571	7067560	UTMZ7N WGS84		Brown	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
10151457	15/10/2010	GroundTruth MD	568540	7067522	UTMZ7N WGS84		Brown	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed
10151458	15/10/2010	GroundTruth MD	568505	7067488	UTMZ7N WGS84		Green	Silt	ModerateE	C	35	Dry	Good	ForestMixed
10151459	15/10/2010	GroundTruth MD	568471	7067451	UTMZ7N WGS84		BrownDark	Clay	ModerateE	C	70	Dry	Good	ForestMixed
10151460	15/10/2010	GroundTruth MD	568436	7067413	UTMZ7N WGS84		BrownDark	Clay	ModerateE	C	80	Dry	Good	ForestMixed
10151461	15/10/2010	GroundTruth MD	568404	7067376	UTMZ7N WGS84		Brown	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed
10151462	15/10/2010	GroundTruth MD	568369	7067340	UTMZ7N WGS84		Brown	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
10151463	15/10/2010	GroundTruth MD	568336	7067303	UTMZ7N WGS84		Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
10151464	15/10/2010	GroundTruth MD	568302	7067266	UTMZ7N WGS84		Brown	Silt	ModerateE	C	75	Dry	Good	ForestMixed
10151465	15/10/2010	GroundTruth MD	568266	7067230	UTMZ7N WGS84		BrownLight	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed
10151466	15/10/2010	GroundTruth MD	568232	7067194	UTMZ7N WGS84		Brown	Silt	ModerateE	C	45	Dry	Excellent	ForestMixed
10151467	15/10/2010	GroundTruth MD	568198	7067157	UTMZ7N WGS84		Brown	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed
10151468	15/10/2010	GroundTruth MD	568167	7067123	UTMZ7N WGS84		Brown	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
10151469	15/10/2010	GroundTruth MD	568132	7067086	UTMZ7N WGS84		Brown	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed
10151470	15/10/2010	GroundTruth MD	568097	7067049	UTMZ7N WGS84		Grey	Silt	ModerateW	C	50	Dry	Good	ForestMixed
10151471	15/10/2010	GroundTruth MD	568062	7067013	UTMZ7N WGS84		Green	Silt	ModerateW	C	60	Dry	Excellent	ForestMixed
10151472	15/10/2010	GroundTruth MD	568029	7066976	UTMZ7N WGS84		Brown	Silt	ModerateW	C	60	Dry	Excellent	ForestMixed
10151473	15/10/2010	GroundTruth MD	567960	7066903	UTMZ7N WGS84		Brown	Silt	ModerateW	C	60	Dry	Excellent	ForestMixed
10151474	15/10/2010	GroundTruth MD	567927	7066867	UTMZ7N WGS84		Brown	Silt	ModerateW	C	75	Dry	Excellent	ForestMixed
10151475	15/10/2010	GroundTruth MD	567891	7066830	UTMZ7N WGS84		Brown	Silt	ModerateW	C	60	Wet	Poor	ForestMixed
10151476	15/10/2010	GroundTruth MD	567859	7066794	UTMZ7N WGS84		Brown	Silt	ModerateW	C	70	Dry	Good	ForestMixed
10151477	15/10/2010	GroundTruth MD	567824	7066757	UTMZ7N WGS84		Brown	Clay	ModerateW	C	80	Wet	Poor	ForestMixed
10151478	15/10/2010	GroundTruth MD	567789	7066720	UTMZ7N WGS84		Grey	Clay	ModerateW	C	70	Frozen	Poor	ForestMixed
10151479	15/10/2010	GroundTruth MD	567722	7066684	UTMZ7N WGS84		Brown	Silt	ModerateW	C	40	Dry	Good	ForestMixed
10151480	15/10/2010	GroundTruth MD	567688	7066610	UTMZ7N WGS84		Brown	Silt	ModerateW	C	80	Moist	Good	ForestMixed
10151481	15/10/2010	GroundTruth MD	567653	7066575	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	60	Moist	Good	ForestMixed
10151482	15/10/2010	GroundTruth MD	567620	7066537	UTMZ7N WGS84		BrownDark	Clay	ModerateW	C	60	Moist	Good	ForestMixed
10151483	15/10/2010	GroundTruth MD	567585	7066501	UTMZ7N WGS84		Grey	Silt	ModerateW	C	55	Moist	Good	ForestMixed
10151485	15/10/2010	GroundTruth MD	567550	7066463	UTMZ7N WGS84		Brown	Silt	ModerateW	C	40	Dry	Excellent	ForestMixed
10151486	15/10/2010	GroundTruth MD	567478	7066532	UTMZ7N WGS84		Brown	Silt	ModerateW	C	60	Dry	Good	ForestMixed
10151718	23/09/2010	GroundTruth JM	572484	7060907	UTMZ7N WGS84		Brown	Silt	Ridge	B	0.3	Moist		
10151719	23/09/2010	GroundTruth JM	572451	7060867	UTMZ7N WGS84		Grey	Silt	Ridge	C	0.4	Moist		
10151720	23/09/2010	GroundTruth JM	572416	7060833	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	0.4	Moist		
10151721	23/09/2010	GroundTruth JM	572383	7060796	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	0.4	Moist		
10151722	23/09/2010	GroundTruth JM	572349	7060759	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	0.4	Moist		
10151723	23/09/2010	GroundTruth JM	572314	7060723	UTMZ7N WGS84		Brown	Silt	Ridge	C	0.5	Moist		
10151724	23/09/2010	GroundTruth JM	572280	7060685	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	0.4	Moist		
10151725	23/09/2010	GroundTruth JM	572246	7060649	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	0.6	Moist		
10151726	23/09/2010	GroundTruth JM	572212	7060611	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	0.6	Moist		
10151727	23/09/2010	GroundTruth JM	572178	7060576	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	C	0.5	Moist		
10151728	23/09/2010	GroundTruth JM	572144	7060538	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	C	0.5	Moist		
10151729	23/09/2010	GroundTruth JM	572109	7060503	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	0.5	Dry		
10151730	23/09/2010	GroundTruth JM	572076	7060465	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	C	0.4	Moist		
10151731	23/09/2010	GroundTruth JM	572042	7060430	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	0.4	Dry		
10151732	23/09/2010	GroundTruth JM	572006	7060394	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	0.3	Wet		
10151733	23/09/2010	GroundTruth JM	571973	7060356	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	0.5	Moist		
10151734	23/09/2010	GroundTruth JM	571942	7060327	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	0.3	Moist		
10151735	23/09/2010	GroundTruth JM	571907	7060291	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	0.7	Frozen		
10151736	23/09/2010	GroundTruth JM	571873	7060252	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	C	0.6	Frozen		
10151737	23/09/2010	GroundTruth JM	571841	7060216	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	0.4	Moist		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10151738	23/09/2010	GroundTruth_JM	571807	7060181	UTMZ7N_WGS84		Brown	Silt	ModerateSW	C	0.6	Moist		
10151739	23/09/2010	GroundTruth_JM	571772	7060143	UTMZ7N_WGS84		Brown	Silt	ModerateSW	C	0.4	Moist		
10151740	23/09/2010	GroundTruth_JM	571738	7060108	UTMZ7N_WGS84		RustyOrange	Silt	ModerateSW	C	0.7	Frozen		
10151741	23/09/2010	GroundTruth_JM	571701	7060069	UTMZ7N_WGS84		Grey	Silt	ModerateSW	C	0.6	Frozen		
10151742	23/09/2010	GroundTruth_JM	571670	7060035	UTMZ7N_WGS84		Green	Silt	ModerateSW	C	0.6	Frozen		
10151743	23/09/2010	GroundTruth_JM	571634	7059995	UTMZ7N_WGS84		Brown	Silt	ModerateSW	C	0.4	Moist		
10151744	23/09/2010	GroundTruth_JM	571602	7059961	UTMZ7N_WGS84		Brown	Silt	ModerateSW	C	0.4	Dry		
10151745	23/09/2010	GroundTruth_JM	571567	7059923	UTMZ7N_WGS84		Brown	Silt	ModerateSW	C	0.3	Dry		
10151746	23/09/2010	GroundTruth_JM	571533	7059887	UTMZ7N_WGS84		Brown	Silt	ModerateSW	C	0.5	Moist		
10151747	23/09/2010	GroundTruth_JM	571499	7059850	UTMZ7N_WGS84		BrownLight	Silt	ModerateSW	C	0.5	Moist		
10151748	23/09/2010	GroundTruth_JM	571466	7059813	UTMZ7N_WGS84		Brown	Silt	ModerateSW	C	0.4	Dry		
10151749	23/09/2010	GroundTruth_JM	571430	7059777	UTMZ7N_WGS84		Brown	Silt	ModerateSW	C	0.4	Moist		
10151750	23/09/2010	GroundTruth_JM	571396	7059741	UTMZ7N_WGS84		Orange	Silt	ModerateSW	C	0.4	Dry		
10151751	24/09/2010	GroundTruth_JM	569120	7064042	UTMZ7N_WGS84		Brown	Silt	ModerateSW	C	0.4	Moist		
10151752	24/09/2010	GroundTruth_JM	569087	7064005	UTMZ7N_WGS84		Grey	Silt	ModerateSW	C	0.3	Dry		
10151753	24/09/2010	GroundTruth_JM	569054	7063968	UTMZ7N_WGS84		Brown	Sand		C	60	Dry	Excellent	BurnOld
10151754	24/09/2010	GroundTruth_JM	569019	7063932	UTMZ7N_WGS84		Brown	Silt		B	40	Moist	Excellent	BurnOld
10151755	24/09/2010	GroundTruth_JM	568983	7063896	UTMZ7N_WGS84		Brown	Silt		C	60	Dry	Good	BurnOld
10151756	24/09/2010	GroundTruth_JM	568950	7063858	UTMZ7N_WGS84		Brown	Silt		C	60	Dry	Excellent	BurnOld
10151757	24/09/2010	GroundTruth_JM	568916	7063821	UTMZ7N_WGS84		Brown	Sand		C	60	Dry	Excellent	BurnOld
10151758	24/09/2010	GroundTruth_JM	568882	7063784	UTMZ7N_WGS84		Brown	Sand		C	50	Dry	Excellent	BurnOld
10151759	24/09/2010	GroundTruth_JM	568848	7063749	UTMZ7N_WGS84		Brown	Sand		C	40	Dry	Good	BurnOld
10151760	24/09/2010	GroundTruth_JM	568812	7063713	UTMZ7N_WGS84		Brown	Sand		C	60	Dry	Excellent	ForestMixed
10151761	24/09/2010	GroundTruth_JM	568778	7063676	UTMZ7N_WGS84		Brown	Sand		C	50	Dry	Good	ForestMixed
10151762	24/09/2010	GroundTruth_JM	568743	7063640	UTMZ7N_WGS84		Brown	Silt		C	60	Dry	Good	BurnOld
10151764	24/09/2010	GroundTruth_JM	568711	7063602	UTMZ7N_WGS84		Orange	Silt		C	80	Dry	Excellent	BurnOld
10151765	24/09/2010	GroundTruth_JM	568676	7063567	UTMZ7N_WGS84		Brown	Silt	ModerateNW	B	30	Moist	Good	AlpineBare
10151766	24/09/2010	GroundTruth_JM	568642	7063529	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	B	30	Moist	Poor	AlpineBare
10151767	24/09/2010	GroundTruth_JM	568602	7063485	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	B	30	Frozen	Good	AlpineBare
10151768	24/09/2010	GroundTruth_JM	568568	7063447	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	C	40	Dry	Good	ForestMixed
10151769	24/09/2010	GroundTruth_JM	568533	7063413	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	B	40	Wet	Good	AlpineBare
10151770	24/09/2010	GroundTruth_JM	568500	7063376	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	B	30	Moist	Good	ForestMixed
10151771	24/09/2010	GroundTruth_JM	568465	7063339	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	B	30	Moist	Good	AlpineBare
10151772	24/09/2010	GroundTruth_JM	568430	7063301	UTMZ7N_WGS84		Brown	Silt	Ridge	B	30	Moist	Good	AlpineBare
10151773	24/09/2010	GroundTruth_JM	568395	7063266	UTMZ7N_WGS84		Brown	Silt	ModerateNW	B	40	Frozen	Good	AlpineBare
10151774	24/09/2010	GroundTruth_JM	568362	7063227	UTMZ7N_WGS84		Brown	Silt	ModerateNW	B	30	Moist	Good	SubAlpineBrush
10151775	24/09/2010	GroundTruth_JM	568327	7063191	UTMZ7N_WGS84		Brown	Silt	ModerateNW	B	40	Moist	Good	SubAlpineBrush
10151776	24/09/2010	GroundTruth_JM	568294	7063157	UTMZ7N_WGS84		BrownLight	Silt	ModerateNW	C	50	Dry	Excellent	SubAlpineBrush
10151777	24/09/2010	GroundTruth_JM	568260	7063117	UTMZ7N_WGS84		Brown	Silt	ModerateNW	B	40	Wet	Good	SubAlpineBrush
10151778	24/09/2010	GroundTruth_JM	568226	7063083	UTMZ7N_WGS84		Brown	Silt	ModerateNW	B	40	Wet	Good	BurnOld
10151779	24/09/2010	GroundTruth_JM	568186	7063049	UTMZ7N_WGS84		Brown	Silt	ModerateNW	B	30	Moist	Good	BurnOld
10151780	24/09/2010	GroundTruth_JM	568125	7062973	UTMZ7N_WGS84		Brown	Silt	ModerateNW	B	35	Moist	Good	BurnOld
10151781	24/09/2010	GroundTruth_JM	568087	7062938	UTMZ7N_WGS84		Brown	Silt	ModerateNW	B	30	Wet	Poor	BurnOld
10151782	10/10/2010	GroundTruth_JB	568339	7066138	UTMZ7N_WGS84		Brown	Silt	ModerateNW	B	30	Frozen	Poor	ForestMixed
10151783	10/10/2010	GroundTruth_JB	568305	7066101	UTMZ7N_WGS84		BrownDark	Silt	ModerateNW	B	30	Frozen	Poor	ForestMixed
10151784	10/10/2010	GroundTruth_JB	568271	7066064	UTMZ7N_WGS84		Brown	Silt	ModerateNW	B	30	Frozen	Poor	ForestMixed
10151853	23/09/2010	GroundTruth_AN	572193	7061178	UTMZ7N_WGS84		BrownLight	Silt	ModerateNW	C	50	Moist	Good	ForestMixed
10151854	23/09/2010	GroundTruth_AN	572160	7061141	UTMZ7N_WGS84		Brown	Silt	Ridge	C	50	Dry	Excellent	BurnOld
10151855	23/09/2010	GroundTruth_AN	572125	7061104	UTMZ7N_WGS84		Brown	Silt		C	75	Dry	Excellent	BurnOld
10151856	23/09/2010	GroundTruth_AN	572090	7061067	UTMZ7N_WGS84		Brown	Silt	Ridge	C	40	Moist	Good	BurnOld
10151857	23/09/2010	GroundTruth_AN	572055	7061030	UTMZ7N_WGS84		BrownLight	Sand	Ridge	C		Dry	Excellent	BurnOld
10151858	23/09/2010	GroundTruth_AN	572024	7060992	UTMZ7N_WGS84		Brown	Sand	Ridge	C	50	Dry	Excellent	BurnOld
10151859	23/09/2010	GroundTruth_AN	571990	7060957	UTMZ7N_WGS84		BrownLight	Silt		C	50	Dry	Excellent	ForestMixed
10151860	23/09/2010	GroundTruth_AN	571955	7060920	UTMZ7N_WGS84		BrownDark	Silt		C	40	Moist	Excellent	ForestMixed
10151861	23/09/2010	GroundTruth_AN	571919	7060887	UTMZ7N_WGS84		BrownDark	Sand	ModerateS	C	70	Dry	Excellent	BurnOld
10151862	23/09/2010	GroundTruth_AN	571882	7060848	UTMZ7N_WGS84		BrownDark	Sand	ModerateS	C	60	Dry	Excellent	BurnOld
10151863	23/09/2010	GroundTruth_AN	571851	7060809	UTMZ7N_WGS84		RustyOrange	Silt	ModerateS	B	30	Moist	Good	BurnOld
10151864	23/09/2010	GroundTruth_AN	571818	7060775	UTMZ7N_WGS84		Brown	Silt	ModerateS	C	50	Moist	Good	BurnOld
10151865	23/09/2010	GroundTruth_AN	571783	7060738	UTMZ7N_WGS84		BrownDark	Silt	ModerateS	C	60	Dry	Excellent	ForestMixed
10151866	23/09/2010	GroundTruth_AN	571751	7060700	UTMZ7N_WGS84		Brown	Silt	SteepS	C	40	Moist	Good	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10151867	23/09/2010	GroundTruth AN	571723	7060678	UTMZ7N WGS84		Brown	Sand	SteepS	C	70	Dry	Excellent	BurnOld
10151868	23/09/2010	GroundTruth AN	571686	7060640	UTMZ7N WGS84		Brown	Silt	SteepS	C	60	Moist	Good	ForestMixed
10151869	23/09/2010	GroundTruth AN	571655	7060604	UTMZ7N WGS84		Brown	Sand	ModerateS	C	50	Dry	Excellent	ForestMixed
10151870	23/09/2010	GroundTruth AN	571621	7060565	UTMZ7N WGS84		Brown	Silt	SteepS	B	60	Moist	Excellent	ForestMixed
10151871	23/09/2010	GroundTruth AN	571587	7060533	UTMZ7N WGS84		Brown	Sand	ModerateS	C	50	Dry	Excellent	BurnOld
10151872	23/09/2010	GroundTruth AN	571552	7060496	UTMZ7N WGS84		Brown	Sand	ModerateS	C	50	Dry	Excellent	BurnOld
10151873	23/09/2010	GroundTruth AN	571518	7060457	UTMZ7N WGS84		Brown	Silt	ModerateS	C	60	Moist	Excellent	BurnOld
10151874	23/09/2010	GroundTruth AN	571482	7060420	UTMZ7N WGS84		Brown	Silt	ModerateS	C	70	Moist	Excellent	BurnOld
10151875	23/09/2010	GroundTruth AN	571452	7060383	UTMZ7N WGS84		Brown	Silt	ModerateS	B	60	Moist	Excellent	ForestMixed
10151876	23/09/2010	GroundTruth AN	571416	7060346	UTMZ7N WGS84		Brown	Sand	ModerateS	C	40	Dry	Good	ForestMixed
10151877	23/09/2010	GroundTruth AN	571383	7060310	UTMZ7N WGS84		Brown	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
10151878	23/09/2010	GroundTruth AN	571348	7060274	UTMZ7N WGS84		Brown	Silt	UTMZ7N	B	30	Dry	Good	BurnOld
10151879	23/09/2010	GroundTruth AN	571314	7060237	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Good	BurnOld
10151880	23/09/2010	GroundTruth AN	571279	7060196	UTMZ7N WGS84		Brown	Silt	Ridge	C	30	Dry	Good	BurnOld
10151881	23/09/2010	GroundTruth AN	571245	7060163	UTMZ7N WGS84		Green	Silt	Ridge	C	30	Dry	Excellent	BurnOld
10151882	23/09/2010	GroundTruth AN	571210	7060126	UTMZ7N WGS84		Brown	Sand	Ridge	C	60	Dry	Excellent	BurnOld
10151883	23/09/2010	GroundTruth AN	571177	7060088	UTMZ7N WGS84		Brown	Sand	UTMZ7N	C	60	Dry	Excellent	BurnOld
10151884	23/09/2010	GroundTruth AN	571144	7060053	UTMZ7N WGS84		Brown	Silt	UTMZ7N	C	50	Dry	Excellent	BurnOld
10151885	23/09/2010	GroundTruth AN	571108	7060018	UTMZ7N WGS84		Brown	Sand	UTMZ7N	C	75	Dry	Good	ForestMixed
10151935	23/09/2010	GroundTruth IB	572338	7061041	UTMZ7N WGS84		Brown	Sand	RidgeAlpine	C	30	Dry	Good	AlpineBare
10151936	23/09/2010	GroundTruth IB	572303	7061004	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	B	25	Dry	Good	AlpineBare
10151937	23/09/2010	GroundTruth IB	572272	7060969	UTMZ7N WGS84		Brown	Sand	RidgeAlpine	C	30	Dry	Good	AlpineBare
10151938	23/09/2010	GroundTruth IB	572237	7060931	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	C	20	Moist	Poor	AlpineBare
10151939	23/09/2010	GroundTruth IB	572201	7060895	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	C	30	Wet	Good	AlpineBare
10151940	23/09/2010	GroundTruth IB	572170	7060858	UTMZ7N WGS84		Brown	Silt	ModerateS	C	45	Wet	Good	AlpineBare
10151941	23/09/2010	GroundTruth IB	572134	7060822	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	C	35	Dry	Excellent	AlpineBare
10151942	23/09/2010	GroundTruth IB	572101	7060784	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	B	30	Wet	Good	AlpineBare
10151943	23/09/2010	GroundTruth IB	572067	7060746	UTMZ7N WGS84		Brown	Sand	RidgeAlpine	C	45	Dry	Excellent	AlpineBare
10151944	23/09/2010	GroundTruth IB	572032	7060710	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
10151945	23/09/2010	GroundTruth IB	571999	7060674	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	C	25	Dry	Good	AlpineBare
10151946	23/09/2010	GroundTruth IB	571964	7060637	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	C	55	Dry	Good	AlpineBare
10151947	23/09/2010	GroundTruth IB	571930	7060602	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	B	50	Dry	Poor	SubAlpineBrush
10151948	23/09/2010	GroundTruth IB	571895	7060564	UTMZ7N WGS84		Brown	Silt	Ridge	C	45	Dry	Good	SubAlpineBrush
10151949	23/09/2010	GroundTruth IB	571860	7060528	UTMZ7N WGS84		Brown	Silt	Ridge	B	45	Dry	Poor	SubAlpineBrush
10151950	23/09/2010	GroundTruth IB	571826	7060492	UTMZ7N WGS84		Brown	Silt	Ridge	C	55	Dry	Good	SubAlpineBrush
10151951	23/09/2010	GroundTruth IB	571792	7060455	UTMZ7N WGS84		Brown	Silt	Ridge	C	55	Dry	Good	SubAlpineBrush
10151952	23/09/2010	GroundTruth IB	571759	7060418	UTMZ7N WGS84		Grey	Sand	Ridge	C	65	Dry	Excellent	SubAlpineBrush
10151953	23/09/2010	GroundTruth IB	571724	7060381	UTMZ7N WGS84		Brown	Sand	Ridge	C	65	Dry	Excellent	SubAlpineBrush
10151954	23/09/2010	GroundTruth IB	571696	7060353	UTMZ7N WGS84		Brown	Silt	Ridge	B	50	Dry	Good	SubAlpineBrush
10151955	23/09/2010	GroundTruth IB	571663	7060318	UTMZ7N WGS84		Brown	Sand	Ridge	C	45	Dry	Good	SubAlpineBrush
10151956	23/09/2010	GroundTruth IB	571628	7060280	UTMZ7N WGS84		BrownLight	Sand	Ridge	C	55	Dry	Excellent	SubAlpineBrush
10151957	23/09/2010	GroundTruth IB	571594	7060246	UTMZ7N WGS84		BrownLight	Sand	Ridge	C	60	Dry	Excellent	SubAlpineBrush
10151958	23/09/2010	GroundTruth IB	571561	7060208	UTMZ7N WGS84		BrownLight	Sand	Ridge	C	50	Dry	Excellent	SubAlpineBrush
10151959	23/09/2010	GroundTruth IB	571526	7060172	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	40	Dry	Excellent	SubAlpineBrush
10151960	23/09/2010	GroundTruth IB	571491	7060134	UTMZ7N WGS84		BrownLight	Sand	Ridge	C	60	Dry	Excellent	SubAlpineBrush
10151961	23/09/2010	GroundTruth IB	571458	7060100	UTMZ7N WGS84		Grey	Sand	Ridge	C	60	Dry	Excellent	SubAlpineBrush
10151962	23/09/2010	GroundTruth IB	571423	7060060	UTMZ7N WGS84		BrownLight	Silt	Ridge	C	45	Dry	Excellent	SubAlpineBrush
10151963	23/09/2010	GroundTruth IB	571390	7060025	UTMZ7N WGS84		Brown	Silt	Ridge	C	40	Dry	Excellent	SubAlpineBrush
10151964	23/09/2010	GroundTruth IB	571356	7059989	UTMZ7N WGS84		Brown	Silt	Ridge	C	60	Dry	Good	SubAlpineBrush
10151965	23/09/2010	GroundTruth IB	571322	7059952	UTMZ7N WGS84		Brown	Silt	Ridge	B	45	Moist	Good	SubAlpineBrush
10151966	23/09/2010	GroundTruth IB	571287	7059916	UTMZ7N WGS84		Brown	Silt	Ridge	C	30	Dry	Excellent	SubAlpineBrush
10151967	23/09/2010	GroundTruth IB	571252	7059878	UTMZ7N WGS84		BrownDark	Sand	RidgeAlpine	C	45	Dry	Excellent	AlpineBare
10151977	23/09/2010	GroundTruth DB	572266	7061110	UTMZ7N WGS84		Black	Sand	RidgeAlpine	C	30	Dry	Good	AlpineBare
10151978	23/09/2010	GroundTruth DB	572233	7061072	UTMZ7N WGS84		BrownDark	Sand	RidgeAlpine	C	45	Dry	Excellent	AlpineBare
10151979	23/09/2010	GroundTruth DB	572197	7061032	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	B	50	Dry	Good	AlpineBare
10151980	23/09/2010	GroundTruth DB	572162	7061001	UTMZ7N WGS84		Brown	Silt	Ridge	B	55	Dry	Good	SubAlpineBrush
10151981	23/09/2010	GroundTruth DB	572128	7060964	UTMZ7N WGS84		Grey	Sand	Ridge	C	35	Dry	Excellent	BurnOld
10151982	23/09/2010	GroundTruth DB	572094	7060928	UTMZ7N WGS84		Brown	Silt	Ridge	B	50	Dry	Good	BurnOld
10151983	23/09/2010	GroundTruth DB	572061	7060889	UTMZ7N WGS84		Brown	Sand	Ridge	C	55	Dry	Excellent	BurnOld
10151984	23/09/2010	GroundTruth DB	572028	7060853	UTMZ7N WGS84		Brown	Silt	Ridge	B	55	Moist	Good	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10151985	23/09/2010	GroundTruth_DB	571991	7060816	UTMZ7N_WGS84		BrownLight	Sand	Ridge	C	25	Dry	Good	BurnOld
10151986	23/09/2010	GroundTruth_DB	571958	7060781	UTMZ7N_WGS84		Brown	Silt	Ridge	C	45	Dry	Good	BurnOld
10151987	23/09/2010	GroundTruth_DB	571927	7060742	UTMZ7N_WGS84		BrownLight	Silt	Ridge	C	65	Dry	Excellent	BurnOld
10151988	23/09/2010	GroundTruth_DB	571892	7060706	UTMZ7N_WGS84		Brown	Silt	Ridge	B	65	Dry	Good	BurnOld
10151989	23/09/2010	GroundTruth_DB	571856	7060670	UTMZ7N_WGS84		BrownLight	Silt	Ridge	B	55	Dry	Good	BurnOld
10151990	23/09/2010	GroundTruth_DB	571824	7060632	UTMZ7N_WGS84		Brown	Silt	Ridge	B	55	Dry	Excellent	BurnOld
10151991	23/09/2010	GroundTruth_DB	571791	7060594	UTMZ7N_WGS84		BrownLight	Sand	Ridge	C	40	Dry	Excellent	BurnOld
10151992	23/09/2010	GroundTruth_DB	571757	7060561	UTMZ7N_WGS84		BrownLight	Sand	ModerateW	C	50	Dry	Excellent	BurnOld
10151993	23/09/2010	GroundTruth_DB	571731	7060532	UTMZ7N_WGS84		Brown	Sand	ModerateW	C	40	Dry	Excellent	BurnOld
10151994	23/09/2010	GroundTruth_DB	571694	7060496	UTMZ7N_WGS84		Brown	Sand	ModerateW	C	55	Dry	Excellent	BurnOld
10151995	23/09/2010	GroundTruth_DB	571628	7060422	UTMZ7N_WGS84		Brown	Sand	ModerateW	C	25	Dry	Excellent	BurnOld
10151996	23/09/2010	GroundTruth_DB	571591	7060384	UTMZ7N_WGS84		Brown	Sand	ModerateW	C	40	Dry	Excellent	BurnOld
10151997	23/09/2010	GroundTruth_DB	571559	7060350	UTMZ7N_WGS84		Brown	Sand	ModerateW	C	45	Dry	Excellent	BurnOld
10151998	23/09/2010	GroundTruth_DB	571525	7060313	UTMZ7N_WGS84		Brown	Silt	ModerateW	C	45	Dry	Excellent	BurnOld
10151999	23/09/2010	GroundTruth_DB	571491	7060276	UTMZ7N_WGS84		Brown	Sand	ModerateW	C	65	Dry	Excellent	BurnOld
10152000	23/09/2010	GroundTruth_DB	571457	7060239	UTMZ7N_WGS84		Brown	Silt	ModerateW	C	60	Dry	Excellent	BurnOld
10152685	15/10/2010	GroundTruth_IB	568427	7067699	UTMZ7N_WGS84		Brown	Silt	ModerateNW	C	45	Dry	Excellent	BurnOld
10152686	15/10/2010	GroundTruth_IB	568392	7067662	UTMZ7N_WGS84		BrownDark	Silt	ModerateSW	C	20	Moist		
10152687	15/10/2010	GroundTruth_IB	568358	7067626	UTMZ7N_WGS84		Brown	Clay	ModerateS	C	0.2	Moist		
10152688	15/10/2010	GroundTruth_IB	568325	7067588	UTMZ7N_WGS84		Brown	Clay	ModerateS	C	0.4	Moist		
10152689	15/10/2010	GroundTruth_IB	568290	7067551	UTMZ7N_WGS84		Brown	Clay	ModerateS	C	0.2	Moist		
10152690	15/10/2010	GroundTruth_IB	568256	7067515	UTMZ7N_WGS84		BrownDark	Clay	ModerateS	C	0.3	Moist		
10152691	15/10/2010	GroundTruth_IB	568224	7067480	UTMZ7N_WGS84		BrownDark	Clay	ModerateSW	C	0.2	Moist		
10152692	15/10/2010	GroundTruth_IB	568189	7067441	UTMZ7N_WGS84		Brown	Clay	Flat	C	0.3	Moist		
10152693	15/10/2010	GroundTruth_IB	568154	7067403	UTMZ7N_WGS84		Brown	Clay	ModerateS	C	0.1	Moist		
10152694	15/10/2010	GroundTruth_IB	568120	7067368	UTMZ7N_WGS84		Brown	Clay	Ridge	C	0.2	Moist		
10152695	15/10/2010	GroundTruth_IB	568087	7067331	UTMZ7N_WGS84		Brown	Clay	Ridge	C	0.2	Moist		
10152696	15/10/2010	GroundTruth_IB	568053	7067295	UTMZ7N_WGS84		Brown	Clay	Ridge	C	0.2	Moist		
10152697	15/10/2010	GroundTruth_IB	568017	7067258	UTMZ7N_WGS84		Brown	Clay	Ridge	C	0.2	Moist		
10152698	15/10/2010	GroundTruth_IB	567984	7067222	UTMZ7N_WGS84		Brown	Clay	ModerateE	C	0.2	Moist		
10152699	15/10/2010	GroundTruth_IB	567950	7067185	UTMZ7N_WGS84		BrownDark	Clay	ModerateE	C	0.2	Moist		
10152700	15/10/2010	GroundTruth_IB	567916	7067149	UTMZ7N_WGS84		Brown	Sand	ModerateE	C	0.3	Moist		
10152701	15/10/2010	GroundTruth_IB	567882	7067113	UTMZ7N_WGS84		BrownLight	Sand	ModerateE	C	0.3	Moist		
10152702	15/10/2010	GroundTruth_IB	567847	7067076	UTMZ7N_WGS84		BrownLight	Clay	ModerateE	C	0.4	Moist		
10152703	15/10/2010	GroundTruth_IB	567814	7067040	UTMZ7N_WGS84		BrownLight	Clay	ModerateE	C	0.4	Moist		
10152704	15/10/2010	GroundTruth_IB	567779	7067002	UTMZ7N_WGS84		Brown	Clay	ModerateE	C	40	Moist		
10152705	15/10/2010	GroundTruth_IB	567746	7066966	UTMZ7N_WGS84		BrownLight	Clay	ModerateE	C	0.7	Moist		
10152706	15/10/2010	GroundTruth_IB	567711	7066930	UTMZ7N_WGS84		BrownLight	Clay	ModerateE	C	0.3	Moist		
10152707	15/10/2010	GroundTruth_IB	567679	7066893	UTMZ7N_WGS84		BrownLight	Clay	ModerateE	C	0.4	Moist		
10152708	15/10/2010	GroundTruth_IB	567643	7066856	UTMZ7N_WGS84		BrownDark	Clay	ModerateE	C	0.3	Moist		
10152709	15/10/2010	GroundTruth_IB	567607	7066822	UTMZ7N_WGS84		BrownLight	Clay	ModerateE	C	50	Moist		
10152710	15/10/2010	GroundTruth_IB	567574	7066784	UTMZ7N_WGS84		BrownLight	Clay	ModerateE	C	0.3	Moist		
10152711	15/10/2010	GroundTruth_IB	567540	7066747	UTMZ7N_WGS84		Brown	Clay	ModerateE	C	0.4	Moist		
10152712	15/10/2010	GroundTruth_IB	567505	7066710	UTMZ7N_WGS84		Brown	Clay	ModerateE	C	0.2	Moist		
10152713	15/10/2010	GroundTruth_IB	567472	7066672	UTMZ7N_WGS84		Brown	Clay	ModerateE	C	0.4	Moist		
10152714	15/10/2010	GroundTruth_IB	567437	7066636	UTMZ7N_WGS84		Brown	Clay	ModerateE	C	0.2	Moist		
10152715	15/10/2010	GroundTruth_IB	567403	7066601	UTMZ7N_WGS84		Brown	Clay	ModerateE	C	0.2	Moist		
10152717	16/10/2010	GroundTruth_IB	569289	7067303	UTMZ7N_WGS84		Brown	Clay	ModerateE	C	0.2	Moist		
10152718	16/10/2010	GroundTruth_IB	569255	7067266	UTMZ7N_WGS84		Brown	Clay	ModerateE	C	0.2	Moist		
10152719	16/10/2010	GroundTruth_IB	569221	7067230	UTMZ7N_WGS84		Brown	Clay	ModerateE	C	0.4	Moist		
10152720	16/10/2010	GroundTruth_IB	569188	7067194	UTMZ7N_WGS84		Grey	Silt	ModerateE	C	0.3	Moist		
10152721	15/10/2010	GroundTruth_JB	568217	7067618	UTMZ7N_WGS84		RustyOrange	Silt	ModerateNW	C	1.1	Dry		
10152722	15/10/2010	GroundTruth_JB	568182	7067581	UTMZ7N_WGS84		Grey	Clay	ModerateNW	B	0.5	Moist		
10152723	15/10/2010	GroundTruth_JB	568149	7067544	UTMZ7N_WGS84		BrownDark	Gravel	ModerateNW	B	0.5	Dry		
10152724	15/10/2010	GroundTruth_JB	568115	7067508	UTMZ7N_WGS84		Grey	Clay	ModerateN	B	0.6	Wet		
10152726	15/10/2010	GroundTruth_JB	568078	7067472	UTMZ7N_WGS84		Grey	Clay	Swamp	B	0.8	Wet		
10152727	15/10/2010	GroundTruth_JB	568045	7067436	UTMZ7N_WGS84		Brown	Silt	Flat	C	0.9	Dry		
10152728	15/10/2010	GroundTruth_JB	568011	7067399	UTMZ7N_WGS84		Black	Clay	RidgeAlpine	B	0.5	Moist		
10152729	15/10/2010	GroundTruth_JB	567978	7067363	UTMZ7N_WGS84		Black	Clay	RidgeAlpine	B	0.4	Wet		
10152730	15/10/2010	GroundTruth_JB	567944	7067325	UTMZ7N_WGS84		Black	Clay	RidgeAlpine	B	0.4	Wet		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10152731	15/10/2010	GroundTruth JB	567909	7067288	UTMZ7N WGS84		Brown	Sand	RidgeAlpine	B		0.4	Moist	
10152732	15/10/2010	GroundTruth JB	567875	7067252	UTMZ7N WGS84		Black	Clay	RidgeAlpine	B		0.4	Wet	
10152733	15/10/2010	GroundTruth JB	567841	7067215	UTMZ7N WGS84		Brown	Silt	RidgeAlpine	B		0.4	Moist	
10152734	15/10/2010	GroundTruth JB	567808	7067181	UTMZ7N WGS84		Black	Silt	RidgeAlpine	B		0.4	Wet	
10152735	15/10/2010	GroundTruth JB	567774	7067145	UTMZ7N WGS84		BrownDark	Silt	RidgeAlpine	B		0.4	Moist	
10152736	15/10/2010	GroundTruth JB	567739	7067109	UTMZ7N WGS84		BrownDark	Silt	SteepW	B		0.5	Moist	
10152737	15/10/2010	GroundTruth JB	567705	7067072	UTMZ7N WGS84		BrownDark	Silt	SteepW	B		0.5	Wet	
10152738	15/10/2010	GroundTruth JB	567673	7067035	UTMZ7N WGS84		Black	Silt	SteepW	B		0.4	Wet	
10152739	15/10/2010	GroundTruth JB	567638	7067000	UTMZ7N WGS84		BrownDark	Silt	SteepW	B		0.4	Wet	
10152740	15/10/2010	GroundTruth JB	567603	7066962	UTMZ7N WGS84		BrownDark	Silt	Ridge	C		0.5	Dry	
10152741	15/10/2010	GroundTruth JB	567570	7066925	UTMZ7N WGS84		Orange	Silt	ModerateNE	C		0.4	Dry	
10152742	15/10/2010	GroundTruth JB	567536	7066889	UTMZ7N WGS84		Orange	Silt	ModerateNE	C		0.4	Dry	
10152743	15/10/2010	GroundTruth JB	567501	7066851	UTMZ7N WGS84		Brown	Silt	ModerateE	C		0.4	Dry	
10152744	15/10/2010	GroundTruth JB	567468	7066816	UTMZ7N WGS84		Brown	Silt	ModerateSE	C		0.4	Dry	
10152745	15/10/2010	GroundTruth JB	567432	7066779	UTMZ7N WGS84		Orange	Silt	ModerateSE	C		1.1	Dry	
10152746	15/10/2010	GroundTruth JB	567397	7066742	UTMZ7N WGS84		Brown	Silt	ModerateSE	C		0.6	Dry	
10152747	15/10/2010	GroundTruth JB	567363	7066706	UTMZ7N WGS84		Brown	Silt	ModerateSW	C		0.4	Dry	
10152748	15/10/2010	GroundTruth JB	567331	7066670	UTMZ7N WGS84		Green	Silt	ModerateSW	C		1	Dry	
10152751	17/10/2010	GroundTruth DM	568135	7067970	UTMZ7N WGS84		Brown	Silt	ModerateSW	C		0.5	Dry	
10152752	17/10/2010	GroundTruth DM	568101	7067934	UTMZ7N WGS84		Yellow	Silt	Ridge	C		0.3	Dry	
10152753	17/10/2010	GroundTruth DM	568065	7067896	UTMZ7N WGS84		Brown	Silt	SteepE	C		0.5	Dry	
10152754	17/10/2010	GroundTruth DM	568031	7067860	UTMZ7N WGS84		Brown	Silt	SteepE	C		0.5	Dry	
10152755	17/10/2010	GroundTruth DM	567997	7067822	UTMZ7N WGS84		Grey	Silt	SteepE	B		0.4	Moist	
10152756	17/10/2010	GroundTruth DM	567963	7067787	UTMZ7N WGS84		Brown	Silt	ModerateS	C		0.4	Dry	
10152757	17/10/2010	GroundTruth DM	567929	7067749	UTMZ7N WGS84		BrownDark	Silt	ModerateS	C		0.5	Dry	
10152758	17/10/2010	GroundTruth DM	567895	7067713	UTMZ7N WGS84		BrownDark	Silt	ModerateS	C		0.5	Dry	
10152759	17/10/2010	GroundTruth DM	567861	7067676	UTMZ7N WGS84		Brown	Silt	ModerateS	C		0.4	Dry	
10152760	17/10/2010	GroundTruth DM	567827	7067639	UTMZ7N WGS84		Brown	Silt	ModerateW	C		0.5	Dry	
10152761	17/10/2010	GroundTruth DM	567793	7067602	UTMZ7N WGS84		Brown	Silt	ModerateSW	C		0.4	Dry	
10152762	17/10/2010	GroundTruth DM	567758	7067566	UTMZ7N WGS84		Brown	Silt	Flat	C		0.4	Dry	
10152763	17/10/2010	GroundTruth DM	567725	7067530	UTMZ7N WGS84		Brown	Silt	Ridge	B		0.2	Dry	
10152764	17/10/2010	GroundTruth DM	567689	7067492	UTMZ7N WGS84		Brown	Silt	Flat	C		0.7	Dry	
10152765	17/10/2010	GroundTruth DM	567656	7067456	UTMZ7N WGS84		Brown	Silt	Ridge	C		0.6	Dry	
10152766	17/10/2010	GroundTruth DM	567622	7067420	UTMZ7N WGS84		Brown	Silt	SteepE	C		0.5	Dry	
10152767	17/10/2010	GroundTruth DM	567589	7067385	UTMZ7N WGS84		Brown	Silt	SteepE	C		0.5	Dry	
10152768	17/10/2010	GroundTruth DM	567556	7067349	UTMZ7N WGS84		Brown	Silt	SteepE	B		0.4	Moist	
10152769	17/10/2010	GroundTruth DM	567522	7067312	UTMZ7N WGS84		Brown	Silt	SteepS	B		0.5	Dry	
10152770	17/10/2010	GroundTruth DM	567487	7067275	UTMZ7N WGS84		Brown	Silt	SteepS	C		0.5	Dry	
10152771	17/10/2010	GroundTruth DM	567452	7067238	UTMZ7N WGS84		Brown	Silt	SteepS	C		0.5	Dry	
10152772	17/10/2010	GroundTruth DM	567419	7067202	UTMZ7N WGS84		Brown	Silt	SteepS	C		0.6	Dry	
10152773	17/10/2010	GroundTruth DM	567386	7067165	UTMZ7N WGS84		BrownDark	Silt	ModerateSW	C		0.8	Dry	
10152774	17/10/2010	GroundTruth DM	567351	7067130	UTMZ7N WGS84		Brown	Silt	ModerateSW	B		0.4	Dry	
10152775	17/10/2010	GroundTruth DM	567316	7067092	UTMZ7N WGS84		Brown	Silt	ModerateSW	B		0.4	Dry	
10152776	17/10/2010	GroundTruth DM	567282	7067056	UTMZ7N WGS84		Brown	Silt	ModerateSW	C		0.6	Dry	
10152777	17/10/2010	GroundTruth DM	567248	7067019	UTMZ7N WGS84		Yellow	Silt	Ridge	C		0.9	Dry	
10152778	17/10/2010	GroundTruth DM	567214	7066983	UTMZ7N WGS84		Blue	Silt	ModerateSW	C		1	Dry	
10152779	17/10/2010	GroundTruth DM	567180	7066946	UTMZ7N WGS84		Blue	Silt	Ridge	C		0.5	Moist	
10152780	17/10/2010	GroundTruth DM	567145	7066910	UTMZ7N WGS84		Brown	Silt	Ridge	B		0.4	Moist	
10152781	17/10/2010	GroundTruth DM	567112	7066873	UTMZ7N WGS84		Orange	Silt	ModerateW	B		0.4	Moist	
10152783	17/10/2010	GroundTruth IB	567476	7068584	UTMZ7N WGS84		Brown	Silt	ModerateW	B		0.4	Moist	
10152784	17/10/2010	GroundTruth IB	567442	7068547	UTMZ7N WGS84		Brown	Silt	ModerateW	B		0.4	Moist	
10152785	17/10/2010	GroundTruth IB	567378	7068478	UTMZ7N WGS84		Green	Silt	ModerateW	C		1.1	Dry	
10152786	17/10/2010	GroundTruth IB	567345	7068442	UTMZ7N WGS84		Brown	Silt	ModerateW	C		1	Dry	
10152787	17/10/2010	GroundTruth IB	567309	7068405	UTMZ7N WGS84		BrownDark	Silt	ModerateW	B		0.4	Moist	
10152788	17/10/2010	GroundTruth IB	567276	7068370	UTMZ7N WGS84		Brown	Silt	ModerateW	C		0.9	Dry	
10152789	17/10/2010	GroundTruth IB	567243	7068333	UTMZ7N WGS84		Blue	Silt	ModerateW	C		0.9	Dry	
10152790	17/10/2010	GroundTruth IB	567207	7068295	UTMZ7N WGS84		Blue	Silt	ModerateW	C		0.7	Dry	
10152791	17/10/2010	GroundTruth IF	567623	7068448	UTMZ7N WGS84		Blue	Silt	ModerateW	C		0.8	Dry	
10152792	17/10/2010	GroundTruth IF	567588	7068409	UTMZ7N WGS84		Blue	Silt	ModerateW	C		0.6	Dry	
10152793	17/10/2010	GroundTruth IF	567554	7068374	UTMZ7N WGS84		Blue	Silt	ModerateW	C		0.4	Dry	

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10152794	17/10/2010	GroundTruth IF	567521	7068336	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.7	Dry		
10152795	17/10/2010	GroundTruth IF	567486	7068299	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	0.3	Dry		
10152796	17/10/2010	GroundTruth IF	567451	7068263	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	0.4	Dry		
10152797	17/10/2010	GroundTruth IF	567418	7068227	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	0.5	Dry		
10152798	17/10/2010	GroundTruth IF	567385	7068189	UTMZ7N WGS84		BrownDark	Silt	ModerateSW	C	0.7	Dry		
10152799	17/10/2010	GroundTruth IF	567349	7068153	UTMZ7N WGS84		Green	Silt	Ridge	C	0.5	Dry		
10152800	17/10/2010	GroundTruth IF	567315	7068118	UTMZ7N WGS84		Brown	Silt	Ridge	B	0.4	Dry		
10152801	17/10/2010	GroundTruth IF	567282	7068079	UTMZ7N WGS84		Blue	Silt	ModerateSE	C	0.6	Dry		
10152802	17/10/2010	GroundTruth IF	567247	7068042	UTMZ7N WGS84		Brown	Silt	ModerateE	B	0.4	Dry		
10152803	17/10/2010	GroundTruth IF	567212	7068007	UTMZ7N WGS84		Green		ModerateE	C	0.7	Dry		
10152804	17/10/2010	GroundTruth IF	567180	7067970	UTMZ7N WGS84		Brown	Silt	ModerateE	B	0.5	Dry		
10152805	17/10/2010	GroundTruth IF	567145	7067932	UTMZ7N WGS84		Brown	Silt	Flat	B	0.4	Dry		
10152806	17/10/2010	GroundTruth IF	567110	7067895	UTMZ7N WGS84		Brown	Silt	Flat	B	0.4	Dry		
10152807	17/10/2010	GroundTruth IF	567076	7067860	UTMZ7N WGS84		Brown	Clay	Flat	B	0.4	Dry		
10152808	17/10/2010	GroundTruth IF	567044	7067823	UTMZ7N WGS84		Blue	Silt	ModerateS	C	0.7	Dry		
10152809	17/10/2010	GroundTruth IF	567008	7067785	UTMZ7N WGS84		Brown	Silt	ModerateS	B	0.5	Dry		
10152810	17/10/2010	GroundTruth IF	566973	7067748	UTMZ7N WGS84		Brown	Silt	ModerateS	C	0.6	Dry		
10152811	17/10/2010	GroundTruth IF	566940	7067713	UTMZ7N WGS84		BrownDark	Silt	ModerateSE	C	0.5	Dry		
10152812	17/10/2010	GroundTruth IF	566910	7067678	UTMZ7N WGS84		BrownDark	Silt	ModerateSE	C	0.6	Dry		
10152813	17/10/2010	GroundTruth IF	566875	7067642	UTMZ7N WGS84		Blue	Silt	ModerateSE	C	0.5	Dry		
10152814	17/10/2010	GroundTruth IF	566840	7067605	UTMZ7N WGS84		Brown	Silt	ModerateSE	C	0.5	Dry		
10152815	17/10/2010	GroundTruth IF	566805	7067569	UTMZ7N WGS84		Blue	Silt	ModerateS	C	0.4	Dry		
10152816	17/10/2010	GroundTruth IF	566770	7067533	UTMZ7N WGS84		Blue	Silt	ModerateS	C	0.6	Dry		
10152817	17/10/2010	GroundTruth IF	566736	7067497	UTMZ7N WGS84		Blue	Silt	ModerateS	C	0.5	Dry		
10152818	17/10/2010	GroundTruth IF	566702	7067458	UTMZ7N WGS84		Brown	Clay	ModerateSW	B	0.4	Moist		
10152819	17/10/2010	GroundTruth IF	566668	7067424	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	0.6	Dry		
10152820	17/10/2010	GroundTruth IF	566634	7067386	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	0.4	Dry		
10152821	17/10/2010	GroundTruth IF	566600	7067351	UTMZ7N WGS84		Brown	Silt	ModerateSE	B	0.4	Dry		
10152823	17/10/2010	GroundTruth AN	567695	7068378	UTMZ7N WGS84		Grey	Silt	ModerateSE		0.8	Dry		
10152824	17/10/2010	GroundTruth AN	567661	7068343	UTMZ7N WGS84		Grey	Silt	ModerateSE	C	0.8	Dry		
10152825	17/10/2010	GroundTruth AN	567627	7068306	UTMZ7N WGS84		Brown	Silt	ModerateS	C	0.5	Dry		
10152826	17/10/2010	GroundTruth AN	567594	7068268	UTMZ7N WGS84		Grey	Clay	Flat	B	0.2	Moist		
10152827	17/10/2010	GroundTruth AN	567560	7068232	UTMZ7N WGS84		Green	Silt	Flat	C	0.5	Moist		
10152828	17/10/2010	GroundTruth AN	567526	7068190	UTMZ7N WGS84		Brown	Silt	Ridge	C	0.4	Dry		
10152829	17/10/2010	GroundTruth AN	567490	7068160	UTMZ7N WGS84		Grey	Clay	ModerateE	C	0.5	Moist		
10152830	17/10/2010	GroundTruth AN	567458	7068121	UTMZ7N WGS84		Grey	Clay	ModerateE	C	0.6	Moist		
10152831	17/10/2010	GroundTruth AN	567423	7068084	UTMZ7N WGS84		Green	Silt	ModerateE	C	0.4	Dry		
10152832	17/10/2010	GroundTruth AN	567389	7068046	UTMZ7N WGS84		Brown	Clay	ModerateS	C	0.7	Moist		
10152833	17/10/2010	GroundTruth AN	567356	7068011	UTMZ7N WGS84		Brown	Silt	SteepS	C	0.6	Dry		
10152834	17/10/2010	GroundTruth AN	567323	7067974	UTMZ7N WGS84		Grey	Silt	SteepS	C	0.8	Dry		
10152835	17/10/2010	GroundTruth AN	567289	7067940	UTMZ7N WGS84		Green	Silt	SteepS	C	0.7	Moist		
10152836	17/10/2010	GroundTruth AN	567255	7067901	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C	0.5	Moist		
10152837	17/10/2010	GroundTruth AN	567222	7067865	UTMZ7N WGS84		Grey	Silt	Flat	C	0.7	Moist		
10152838	17/10/2010	GroundTruth AN	567186	7067828	UTMZ7N WGS84		Brown	Silt	Ridge	C	0.7	Moist		
10152839	17/10/2010	GroundTruth AN	567150	7067791	UTMZ7N WGS84		Brown	Silt	ModerateSE	C	0.7	Dry		
10152840	17/10/2010	GroundTruth AN	567117	7067756	UTMZ7N WGS84		Orange	Silt	ModerateW	C	0.4	Dry		
10152841	17/10/2010	GroundTruth AN	567082	7067720	UTMZ7N WGS84		Orange	Silt	ModerateW	C	0.6	Dry		
10152842	17/10/2010	GroundTruth AN	567047	7067684	UTMZ7N WGS84		Brown	Silt	ModerateW	C	0.5	Dry		
10152843	17/10/2010	GroundTruth AN	567014	7067647	UTMZ7N WGS84		BrownLight	Silt	ModerateW	C	0.4	Dry		
10152844	17/10/2010	GroundTruth AN	566979	7067612	UTMZ7N WGS84		Orange	Silt	ModerateSW	C	0.3	Dry		
10152845	17/10/2010	GroundTruth AN	566946	7067574	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	C	0.6	Dry		
10152846	17/10/2010	GroundTruth AN	566913	7067538	UTMZ7N WGS84		Green	Silt	ModerateSW	C	0.3	Moist		
10152847	17/10/2010	GroundTruth AN	566877	7067500	UTMZ7N WGS84		Orange	Silt	Ridge	C	0.6	Dry		
10152848	17/10/2010	GroundTruth AN	566841	7067464	UTMZ7N WGS84		Brown	Silt	ModerateS	B	0.5	Dry		
10152849	17/10/2010	GroundTruth AN	566805	7067424	UTMZ7N WGS84		Green	Silt	ModerateS	C	0.5	Dry		
10152850	17/10/2010	GroundTruth AN	566769	7067388	UTMZ7N WGS84		Green	Silt	ModerateS	C	0.5	Dry		
10152851	17/10/2010	GroundTruth AN	566740	7067354	UTMZ7N WGS84		Brown	Silt	Flat	B	0.4	Moist		
10152852	17/10/2010	GroundTruth AN	566706	7067319	UTMZ7N WGS84		Brown	Silt	Flat	C	0.7	Dry		
10152853	17/10/2010	GroundTruth AN	566672	7067283	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	0.6	Dry		
10152902	17/10/2010	GroundTruth JM	567840	7068243	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	0.6	Dry		



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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10152903	17/10/2010	GroundTruth_JM	567807	7068207	UTMZ7N_WGS84		Orange	Silt	ModerateSW	C	0.6	Dry		
10152904	17/10/2010	GroundTruth_JM	567773	7068169	UTMZ7N_WGS84		Green	Silt	ModerateN	C	0.9	Dry		
10152905	17/10/2010	GroundTruth_JM	567740	7068134	UTMZ7N_WGS84		Brown	Silt	ModerateN	C	0.7	Dry		
10152906	17/10/2010	GroundTruth_JM	567706	7068097	UTMZ7N_WGS84		BrownDark	Silt	ModerateN	C	0.7	Dry		
10152907	17/10/2010	GroundTruth_JM	567671	7068060	UTMZ7N_WGS84		Green	Clay	ModerateN	C	1	Moist		
10152908	17/10/2010	GroundTruth_JM	567636	7068024	UTMZ7N_WGS84		Green	Silt	ModerateN	C	0.6	Dry		
10152909	17/10/2010	GroundTruth_JM	567602	7067986	UTMZ7N_WGS84		Green	Silt	ModerateNW	C	0.7	Dry		
10152910	17/10/2010	GroundTruth_JM	567569	7067951	UTMZ7N_WGS84		Green	Silt	ModerateNW	C	0.7	Dry		
10152911	17/10/2010	GroundTruth_JM	567534	7067913	UTMZ7N_WGS84		Brown	Silt	ModerateNW	C	0.8	Dry		
10152912	17/10/2010	GroundTruth_JM	567499	7067878	UTMZ7N_WGS84		Green	Silt	ModerateNW	C	1.1	Dry		
10152913	17/10/2010	GroundTruth_JM	567466	7067841	UTMZ7N_WGS84		Green	Silt	ModerateNW	C	0.5	Dry		
10152914	17/10/2010	GroundTruth_JM	567431	7067804	UTMZ7N_WGS84		Green	Silt	ModerateNW	C	0.6	Dry		
10152915	17/10/2010	GroundTruth_JM	567398	7067767	UTMZ7N_WGS84		Green	Silt	ModerateNW	C	0.8	Dry		
10152916	17/10/2010	GroundTruth_JM	567364	7067729	UTMZ7N_WGS84		Green	Silt	ModerateNW	C	0.7	Dry		
10152917	17/10/2010	GroundTruth_JM	567328	7067693	UTMZ7N_WGS84		Green	Silt	ModerateNW	C	0.6	Moist		
10152918	17/10/2010	GroundTruth_JM	567296	7067655	UTMZ7N_WGS84		Green	Silt	ModerateNW	C	0.9	Moist		
10152919	17/10/2010	GroundTruth_JM	567261	7067620	UTMZ7N_WGS84		Brown	Silt	ModerateNW	C	0.7	Moist		
10152920	17/10/2010	GroundTruth_JM	567225	7067584	UTMZ7N_WGS84		Green	Silt	ModerateNW	C	0.8	Moist		
10152921	17/10/2010	GroundTruth_JM	567193	7067547	UTMZ7N_WGS84		BrownLight	Silt	ModerateNW	C	0.8	Dry		
10152922	17/10/2010	GroundTruth_JM	567161	7067513	UTMZ7N_WGS84		Brown	Silt	ModerateNW	C	0.6	Dry		
10152923	17/10/2010	GroundTruth_JM	567126	7067476	UTMZ7N_WGS84		Brown	Silt	ModerateNW	C	0.6	Dry		
10152924	17/10/2010	GroundTruth_JM	567093	7067440	UTMZ7N_WGS84		Brown	Silt	ModerateNW	C	1	Dry		
10152925	17/10/2010	GroundTruth_JM	567058	7067403	UTMZ7N_WGS84		Brown	Silt	ModerateNW	B	0.4	Moist		
10152926	17/10/2010	GroundTruth_JM	567024	7067366	UTMZ7N_WGS84		Brown	Silt	ModerateNW	C	0.6	Dry		
10152927	17/10/2010	GroundTruth_JM	566990	7067329	UTMZ7N_WGS84		Brown	Silt	ModerateNW	C	0.7	Dry		
10152928	17/10/2010	GroundTruth_JM	566955	7067293	UTMZ7N_WGS84		Brown	Sand	Ridge	C	0.6	Dry		
10152929	17/10/2010	GroundTruth_JM	566920	7067257	UTMZ7N_WGS84		Green	Sand	Ridge	C	0.6	Dry		
10152931	17/10/2010	GroundTruth_JM	566888	7067219	UTMZ7N_WGS84		Brown	Sand	ModerateS	C	0.6	Dry		
10152932	17/10/2010	GroundTruth_JM	566853	7067183	UTMZ7N_WGS84		Green	Sand	ModerateS	C	0.6	Dry		
10152934	17/10/2010	GroundTruth_JM	566818	7067146	UTMZ7N_WGS84		Green	Sand	ModerateS	C	0.4	Dry		
10152935	17/10/2010	GroundTruth_IB	566795	7067853	UTMZ7N_WGS84		Brown	Sand	ModerateS	C	0.6	Dry		
10152936	17/10/2010	GroundTruth_IB	566760	7067815	UTMZ7N_WGS84		RustyOrange	Sand	ModerateS	C	0.5	Dry		
10152937	17/10/2010	GroundTruth_IB	566726	7067780	UTMZ7N_WGS84		Brown	Sand	ModerateS	C	0.6	Dry		
10152938	17/10/2010	GroundTruth_IB	566690	7067743	UTMZ7N_WGS84		Brown	Sand	ModerateS	C	0.5	Dry		
10152939	17/10/2010	GroundTruth_IB	566658	7067706	UTMZ7N_WGS84		Brown	Sand	ModerateS	C	0.5	Dry		
10152940	17/10/2010	GroundTruth_IB	566624	7067670	UTMZ7N_WGS84		Brown	Sand	ModerateS	C	0.5	Dry		
10152941	17/10/2010	GroundTruth_IB	566589	7067633	UTMZ7N_WGS84		Brown	Sand	ModerateS	C	0.5	Dry		
10152942	17/10/2010	GroundTruth_IB	566557	7067596	UTMZ7N_WGS84		RustyOrange	Sand	ModerateS	C	0.5	Dry		
10152943	17/10/2010	GroundTruth_IB	566521	7067559	UTMZ7N_WGS84		RustyRed	Sand	ModerateS	C	0.6	Dry		
10152944	17/10/2010	GroundTruth_WW	567973	7067504	UTMZ7N_WGS84		Brown	Sand	RidgeAlpine	C	0.5	Moist	Excellent	AlpineBare
10152945	17/10/2010	GroundTruth_WW	567939	7067468	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	B	0.45	Dry	Good	AlpineBare
10152946	17/10/2010	GroundTruth_WW	567904	7067430	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	B	0.4	Dry	Poor	AlpineBare
10152947	17/10/2010	GroundTruth_WW	567870	7067394	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	C	0.45	Dry	Good	AlpineBare
10152948	17/10/2010	GroundTruth_WW	567837	7067358	UTMZ7N_WGS84		Brown	Sand	RidgeAlpine	C	0.55	Wet	Good	AlpineBare
10152949	17/10/2010	GroundTruth_WW	567803	7067321	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	C	0.5	Dry	Good	AlpineBare
10152950	17/10/2010	GroundTruth_WW	567768	7067283	UTMZ7N_WGS84		BrownDark	Sand	RidgeAlpine	C	0.6	Moist	Good	AlpineBare
10152951	17/10/2010	GroundTruth_WW	567737	7067250	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	C	0.45	Dry	Good	AlpineBare
10152952	17/10/2010	GroundTruth_WW	567702	7067213	UTMZ7N_WGS84		Brown	Sand	RidgeAlpine	C	0.55	Moist	Good	AlpineBare
10152953	17/10/2010	GroundTruth_WW	567667	7067177	UTMZ7N_WGS84		BrownDark	Sand	RidgeAlpine	C	0.5	Moist	Good	AlpineBare
10152954	17/10/2010	GroundTruth_WW	568280	7067834	UTMZ7N_WGS84		Brown	Sand	RidgeAlpine	C	0.45	Dry	Good	AlpineBare
10152955	17/10/2010	GroundTruth_WW	568246	7067796	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	C	0.5	Dry	Good	AlpineBare
10152956	17/10/2010	GroundTruth_WW	568213	7067761	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	C	0.7	Dry	Good	AlpineBare
10152957	17/10/2010	GroundTruth_WW	568178	7067724	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	C	0.5	Dry	Good	AlpineBare
10152958	17/10/2010	GroundTruth_WW	568143	7067687	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	C	0.45	Dry	Good	AlpineBare
10152959	17/10/2010	GroundTruth_WW	568109	7067650	UTMZ7N_WGS84		Brown	Sand	RidgeAlpine	C	0.5	Dry	Good	AlpineBare
10152960	17/10/2010	GroundTruth_WW	568075	7067614	UTMZ7N_WGS84		Brown	Sand	RidgeAlpine	C	0.65	Dry	Excellent	AlpineBare
10152961	17/10/2010	GroundTruth_WW	568040	7067577	UTMZ7N_WGS84		Brown	Sand	RidgeAlpine	C	0.35	Dry	Good	SubAlpineBrush
10152962	17/10/2010	GroundTruth_WW	568007	7067541	UTMZ7N_WGS84		Brown	Sand	Ridge	C	0.5	Dry	Excellent	SubAlpineBrush
10152964	17/10/2010	GroundTruth_IB	566486	7067523	UTMZ7N_WGS84		Orange	Sand	ModerateS	C	0.35	Dry	Good	SubAlpineBrush
10152975	17/10/2010	GroundTruth_JB	568061	7068039	UTMZ7N_WGS84		Brown	Sand	ModerateS	C	0.5	Dry	Good	SubAlpineBrush

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10152976	17/10/2010	GroundTruth_JB	568027	7068001	UTMZ7N_WGS84		Orange	Sand	ModerateS	C	0.5	Dry	Excellent	SubAlpineBrush
10152977	17/10/2010	GroundTruth_JB	567993	7067964	UTMZ7N_WGS84		Orange	Sand	ModerateS	C	0.45	Dry	Excellent	SubAlpineBrush
10152978	17/10/2010	GroundTruth_JB	567959	7067928	UTMZ7N_WGS84		Orange	Sand	ModerateS	C	0.4	Dry	Excellent	SubAlpineBrush
10152979	17/10/2010	GroundTruth_JB	567925	7067890	UTMZ7N_WGS84		Orange	Sand	ModerateS	C	0.4	Dry	Excellent	SubAlpineBrush
10152980	17/10/2010	GroundTruth_JB	567890	7067854	UTMZ7N_WGS84		Brown	Silt	ModerateS	C	0.65	Dry	Good	SubAlpineBrush
10152981	17/10/2010	GroundTruth_JB	567856	7067818	UTMZ7N_WGS84		Orange	Sand	ModerateS	C	0.45	Dry	Excellent	SubAlpineBrush
10152982	17/10/2010	GroundTruth_JB	567822	7067783	UTMZ7N_WGS84		Orange	Sand	ModerateS	C	0.4	Dry	Good	SubAlpineBrush
10152983	17/10/2010	GroundTruth_JB	567788	7067744	UTMZ7N_WGS84		Orange	Sand	ModerateS	C	0.55	Dry	Excellent	SubAlpineBrush
10152984	17/10/2010	GroundTruth_JB	567754	7067707	UTMZ7N_WGS84		Orange	Sand	ModerateS	C	0.45	Dry	Excellent	SubAlpineBrush
10152985	17/10/2010	GroundTruth_JB	567721	7067670	UTMZ7N_WGS84		Orange	Sand	ModerateS	C	0.5	Dry	Excellent	BurnOld
10152986	17/10/2010	GroundTruth_JB	567685	7067635	UTMZ7N_WGS84		BrownLight	Sand	ModerateS	C	0.45	Dry	Excellent	BurnOld
10152987	17/10/2010	GroundTruth_JB	567652	7067597	UTMZ7N_WGS84		Brown	Sand	Flat	C	0.45	Dry	Good	BurnOld
10152989	17/10/2010	GroundTruth_JB	567618	7067562	UTMZ7N_WGS84		Green	Sand	Flat	C	0.45	Dry	Excellent	BurnOld
10152990	17/10/2010	GroundTruth_JB	567584	7067523	UTMZ7N_WGS84		Brown	Sand	Ridge	C	0.5	Dry	Good	BurnOld
10152991	17/10/2010	GroundTruth_JB	567549	7067488	UTMZ7N_WGS84		Orange	Sand	Ridge	C	0.4	Dry	Excellent	BurnOld
10152992	17/10/2010	GroundTruth_JB	567516	7067456	UTMZ7N_WGS84		BrownLight	Sand	Ridge	C	0.45	Dry	Excellent	BurnOld
10152993	17/10/2010	GroundTruth_JB	567481	7067417	UTMZ7N_WGS84		BrownLight	Sand	Ridge	C	0.45	Dry	Excellent	BurnOld
10152994	17/10/2010	GroundTruth_JB	567447	7067380	UTMZ7N_WGS84		Brown	Sand	Ridge	C	0.5	Dry	Good	BurnOld
10152995	17/10/2010	GroundTruth_JB	567415	7067343	UTMZ7N_WGS84		Brown	Silt	Ridge	B	0.35	Dry	Good	BurnOld
10152996	17/10/2010	GroundTruth_JB	567381	7067306	UTMZ7N_WGS84		Brown	Silt	Ridge	B	0.35	Dry	Good	BurnOld
10152998	17/10/2010	GroundTruth_JB	567346	7067271	UTMZ7N_WGS84		Brown	Silt	Ridge	C	0.3	Dry	Good	BurnOld
10152999	17/10/2010	GroundTruth_JB	567311	7067235	UTMZ7N_WGS84		BrownLight	Sand	Ridge	C	0.55	Dry	Excellent	BurnOld
10153000	17/10/2010	GroundTruth_JB	567278	7067197	UTMZ7N_WGS84		Brown	Sand	Ridge	C	0.45	Dry	Excellent	BurnOld
10159712	17/10/2010	GroundTruth_WW	567565	7067066	UTMZ7N_WGS84		BrownLight	Sand	Ridge	C	0.45	Dry	Excellent	BurnOld
10159747	16/10/2010	GroundTruth_IB	568847	7066828	UTMZ7N_WGS84		BrownLight	Sand	Ridge	C	0.5	Dry	Excellent	BurnOld
10159748	16/10/2010	GroundTruth_IB	568814	7066792	UTMZ7N_WGS84		BrownLight	Sand	Ridge	C	0.5	Dry	Excellent	BurnOld
10159749	16/10/2010	GroundTruth_IB	568779	7066755	UTMZ7N_WGS84		BrownLight	Sand	Ridge	C	0.45	Dry	Excellent	BurnOld
10159750	16/10/2010	GroundTruth_IB	569153	7067156	UTMZ7N_WGS84		Grey	Sand	Ridge	C	0.5	Dry	Excellent	BurnOld
10159751	16/10/2010	GroundTruth_IB	569119	7067119	UTMZ7N_WGS84		Orange	Sand	Ridge	C	0.55	Dry	Excellent	BurnOld
10159752	16/10/2010	GroundTruth_IB	569085	7067085	UTMZ7N_WGS84		Brown	Sand	Ridge	C	0.6	Dry	Excellent	BurnOld
10159753	16/10/2010	GroundTruth_IB	569052	7067046	UTMZ7N_WGS84		Orange	Sand	Ridge	C	0.5	Dry	Excellent	BurnOld
10159754	16/10/2010	GroundTruth_IB	569016	7067009	UTMZ7N_WGS84		BrownLight	Sand	Ridge	C	0.5	Dry	Excellent	BurnOld
10159755	16/10/2010	GroundTruth_IB	568983	7066973	UTMZ7N_WGS84		Grey	Sand	Ridge	C	0.4	Dry	Excellent	BurnOld
10159756	16/10/2010	GroundTruth_IB	568948	7066936	UTMZ7N_WGS84		Brown	Silt	Ridge	C	0.8	Dry	Excellent	BurnOld
10159757	16/10/2010	GroundTruth_IB	568915	7066902	UTMZ7N_WGS84		BrownLight	Silt	Ridge	C	0.9	Dry	Excellent	BurnOld
10159758	16/10/2010	GroundTruth_IB	568882	7066864	UTMZ7N_WGS84		Green	Sand	Ridge	C	0.45	Dry	Excellent	BurnOld
10159759	16/10/2010	GroundTruth_IB	568744	7066719	UTMZ7N_WGS84		BrownLight	Sand	Ridge	C	0.5	Dry	Excellent	BurnOld
10159760	16/10/2010	GroundTruth_IB	568710	7066681	UTMZ7N_WGS84		Brown	Sand	Ridge	C	0.4	Dry	Excellent	BurnOld
10159761	16/10/2010	GroundTruth_IB	568677	7066645	UTMZ7N_WGS84		BrownLight	Silt	Ridge	C	0.6	Dry	Good	ForestMixed
10159762	16/10/2010	GroundTruth_IB	568642	7066608	UTMZ7N_WGS84		Brown	Silt	Ridge	C	0.85	Dry	Good	ForestMixed
10159763	16/10/2010	GroundTruth_IB	568609	7066573	UTMZ7N_WGS84		Brown	Sand	Ridge	C	0.4	Dry	Good	ForestMixed
10159764	16/10/2010	GroundTruth_IB	568572	7066534	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	B	0.45	Dry	Good	AlpineBare
10159765	16/10/2010	GroundTruth_IB	568539	7066500	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	C	0.5	Dry	Good	AlpineBare
10159766	16/10/2010	GroundTruth_IB	568506	7066463	UTMZ7N_WGS84		Black	Sand	RidgeAlpine	C	0.4	Dry	Good	AlpineBare
10159767	16/10/2010	GroundTruth_IB	568471	7066425	UTMZ7N_WGS84		BrownDark	Silt	RidgeAlpine	B	0.45	Dry	Good	AlpineBare
10159768	16/10/2010	GroundTruth_IB	568436	7066388	UTMZ7N_WGS84		Brown	Silt	RidgeAlpine	C	0.5	Dry	Good	BurnOld
10159769	16/10/2010	GroundTruth_IB	568405	7066353	UTMZ7N_WGS84		Brown	Sand	RidgeAlpine	C	0.5	Dry	Excellent	BurnOld
10159770	16/10/2010	GroundTruth_IB	568369	7066316	UTMZ7N_WGS84		Brown	Sand	Ridge	C	0.45	Dry	Good	BurnOld
10159771	16/10/2010	GroundTruth_IB	568335	7066277	UTMZ7N_WGS84		Brown	Silt	Ridge	C	0.4	Dry	Good	BurnOld
10159772	16/10/2010	GroundTruth_IB	568299	7066242	UTMZ7N_WGS84		Brown	Sand	Ridge	C	0.45	Dry	Good	BurnOld
10159774	16/10/2010	GroundTruth_IB	568227	7066309	UTMZ7N_WGS84		Brown	Silt	Ridge	B	0.4	Dry	Good	BurnOld
10159775	16/10/2010	GroundTruth_IB	568261	7066345	UTMZ7N_WGS84		Brown	Silt	Ridge	C	0.4	Dry	Excellent	BurnOld
10159776	16/10/2010	GroundTruth_IB	568295	7066382	UTMZ7N_WGS84		Brown	Silt	Ridge	B	0.5	Dry	Good	BurnOld
10159777	16/10/2010	GroundTruth_IB	568329	7066419	UTMZ7N_WGS84		Brown	Silt	Ridge	B	0.4	Dry	Good	BurnOld
10159778	17/10/2010	GroundTruth_WW	567361	7066846	UTMZ7N_WGS84		Brown	Silt	Ridge	B	0.35	Dry	Poor	BurnOld
10159779	17/10/2010	GroundTruth_WW	567394	7066883	UTMZ7N_WGS84		Brown	Silt	Ridge	C	0.45	Dry	Good	BurnOld
10159780	17/10/2010	GroundTruth_WW	567292	7066773	UTMZ7N_WGS84		Brown	Sand	Ridge	C	0.45	Dry	Good	BurnOld
10161180	17/10/2010	GroundTruth_TW	567445	7067522	UTMZ7N_WGS84		Brown	Sand	ModerateW	C	0.5	Dry	Good	BurnOld
10161181	17/10/2010	GroundTruth_TW	567409	7067485	UTMZ7N_WGS84		Brown	Silt	ModerateW	C	0.4	Dry	Good	BurnOld
10161182	17/10/2010	GroundTruth_TW	567375	7067448	UTMZ7N_WGS84		Brown	Sand	ModerateW	C	0.5	Dry	Good	BurnOld

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Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10161183	17/10/2010	GroundTruth TW	567341	7067412	UTMZ7N WGS84		Brown	Sand	ModerateW	B	0.45	Dry	Good	BurnOld
10161184	17/10/2010	GroundTruth TW	567308	7067375	UTMZ7N WGS84		Brown	Sand	ModerateW	C	0.35	Dry	Good	BurnOld
10161185	17/10/2010	GroundTruth TW	567274	7067339	UTMZ7N WGS84		BrownDark	Sand	ModerateW	C	0.4	Dry	Good	BurnOld
10161186	17/10/2010	GroundTruth TW	567238	7067303	UTMZ7N WGS84		Brown	Sand	ModerateW	C	0.5	Dry	Good	BurnOld
10161187	17/10/2010	GroundTruth TW	567205	7067267	UTMZ7N WGS84		Grey	Sand	ModerateW	C	0.6	Moist	Good	BurnOld
10161188	17/10/2010	GroundTruth TW	567171	7067229	UTMZ7N WGS84		BrownDark	Silt	ModerateN	B	0.45	Dry	Good	BurnOld
10161189	17/10/2010	GroundTruth TW	567135	7067193	UTMZ7N WGS84		Brown	Sand	ModerateNW	C	0.45	Dry	Excellent	BurnOld
10161190	17/10/2010	GroundTruth TW	567102	7067157	UTMZ7N WGS84		Brown	Sand	ModerateNW	C	0.5	Dry	Good	BurnOld
10161191	17/10/2010	GroundTruth TW	567068	7067121	UTMZ7N WGS84		Brown	Sand	ModerateNW	C	0.45	Dry	Good	BurnOld
10161192	17/10/2010	GroundTruth TW	567032	7067084	UTMZ7N WGS84		Green	Sand	ModerateS	C	0.6	Dry		
10161193	17/10/2010	GroundTruth TW	567000	7067047	UTMZ7N WGS84		Brown	Sand	ModerateS	C	0.6	Dry		
10161194	17/10/2010	GroundTruth TW	566964	7067011	UTMZ7N WGS84		Brown	Sand	ModerateS	C	0.45	Dry		
10161195	17/10/2010	GroundTruth IB	567173	7068259	UTMZ7N WGS84		Brown	Sand	ModerateS	C	0.6	Dry		
10161196	17/10/2010	GroundTruth IB	567141	7068222	UTMZ7N WGS84		BrownLight	Sand	ModerateS	C	0.5	Dry		
10161197	17/10/2010	GroundTruth IB	567103	7068184	UTMZ7N WGS84		Brown	Sand	ModerateS	C	0.6	Dry		
10161198	17/10/2010	GroundTruth IB	567067	7068146	UTMZ7N WGS84		Brown	Sand	ModerateS	C	0.5	Dry		
10161199	17/10/2010	GroundTruth IB	567034	7068109	UTMZ7N WGS84		Brown	Sand	ModerateS	C	0.6	Dry		
10161206	16/10/2010	GroundTruth GD	569435	7067168	UTMZ7N WGS84		Brown	Sand	ModerateS	C	0.6	Dry		
10161207	16/10/2010	GroundTruth GD	569400	7067133	UTMZ7N WGS84		BrownLight	Sand	Ridge	C	0.4	Dry		
10161208	16/10/2010	GroundTruth GD	569369	7067094	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.5	Dry		
10161209	16/10/2010	GroundTruth GD	569332	7067058	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.5	Dry		
10161210	16/10/2010	GroundTruth GD	569298	7067022	UTMZ7N WGS84		BrownLight	Sand	Ridge	C	0.6	Dry		
10161212	16/10/2010	GroundTruth GD	569265	7066984	UTMZ7N WGS84		BrownLight	Sand	Ridge	C	0.5	Dry		
10161213	16/10/2010	GroundTruth GD	569231	7066946	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.6	Dry		
10161214	16/10/2010	GroundTruth GD	569197	7066911	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.6	Dry		
10161215	16/10/2010	GroundTruth GD	569164	7066876	UTMZ7N WGS84		BrownLight	Sand	Ridge	C	0.4	Dry		
10161216	16/10/2010	GroundTruth GD	569129	7066840	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.4	Dry		
10161217	16/10/2010	GroundTruth GD	569096	7066800	UTMZ7N WGS84		BrownLight	Sand	Ridge	C	0.6	Dry		
10161218	16/10/2010	GroundTruth GD	569060	7066763	UTMZ7N WGS84		RustyOrange	Sand	Ridge	C	0.65	Dry		
10161219	16/10/2010	GroundTruth GD	569024	7066727	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.5	Dry		
10161220	16/10/2010	GroundTruth GD	568992	7066692	UTMZ7N WGS84		RustyOrange	Sand	Ridge	C	0.4	Dry		
10161221	16/10/2010	GroundTruth GD	568958	7066656	UTMZ7N WGS84		RustyOrange	Sand	Ridge	C	0.5	Dry		
10161222	16/10/2010	GroundTruth GD	568922	7066617	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.7	Dry		
10161223	16/10/2010	GroundTruth GD	568890	7066581	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.6	Dry		
10161224	16/10/2010	GroundTruth GD	568856	7066547	UTMZ7N WGS84		Brown	Silt	Ridge	C	0.65	Moist		
10161225	16/10/2010	GroundTruth GD	568820	7066507	UTMZ7N WGS84		Grey	Sand	Ridge	C	0.3	Dry		
10161226	16/10/2010	GroundTruth GD	568788	7066471	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.6	Moist		
10161227	16/10/2010	GroundTruth GD	568754	7066433	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.5	Dry		
10161228	16/10/2010	GroundTruth GD	568722	7066398	UTMZ7N WGS84		BrownDark	Sand	Ridge	C	0.6	Dry		
10161229	16/10/2010	GroundTruth GD	568687	7066361	UTMZ7N WGS84		BrownDark	Sand	Ridge	C	0.6	Dry		
10161230	16/10/2010	GroundTruth GD	568652	7066324	UTMZ7N WGS84		Grey	Sand	Ridge	C	0.6	Moist		
10161231	16/10/2010	GroundTruth GD	568619	7066290	UTMZ7N WGS84		Grey	Sand	Ridge	C	0.6	Dry		
10161232	16/10/2010	GroundTruth GD	568584	7066249	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.6	Dry		
10161233	16/10/2010	GroundTruth GD	568550	7066214	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.5	Dry		
10161234	16/10/2010	GroundTruth GD	568515	7066178	UTMZ7N WGS84		Green	Sand	Ridge	C	0.6	Dry		
10161235	16/10/2010	GroundTruth GD	568482	7066141	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.6	Dry		
10161236	16/10/2010	GroundTruth GD	568448	7066106	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.6	Dry		
10161237	17/10/2010	GroundTruth GD	567914	7068175	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.6	Dry		
10161238	17/10/2010	GroundTruth GD	567880	7068138	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.6	Dry		
10161239	17/10/2010	GroundTruth GD	567846	7068102	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.5	Dry		
10161240	17/10/2010	GroundTruth GD	567813	7068066	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.4	Dry		
10161241	17/10/2010	GroundTruth GD	567777	7068028	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.5	Dry		
10161242	17/10/2010	GroundTruth GD	567709	7067956	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.4	Dry		
10161243	17/10/2010	GroundTruth GD	567674	7067920	UTMZ7N WGS84		BrownDark	Sand	Ridge	C	0.6	Dry		
10161244	16/10/2010	GroundTruth IF	568522	7066036	UTMZ7N WGS84		Brown	Sand	Ridge	C	0.5	Dry		
10161246	16/10/2010	GroundTruth IF	568554	7066074	UTMZ7N WGS84		Black	Silt	Ridge	C	0.5	Moist		
10161247	17/10/2010	GroundTruth WW	567258	7066737	UTMZ7N WGS84		BrownDark	Silt	ModerateN	B	0.55	Moist		
10161249	17/10/2010	GroundTruth WW	567325	7066809	UTMZ7N WGS84		BrownDark	Silt	Flat	B	0.6	Moist		
10161250	17/10/2010	GroundTruth WW	567428	7066919	UTMZ7N WGS84		Grey	Clay	Flat	B	0.75	Moist		
10161251	17/10/2010	GroundTruth TW	567988	7068107	UTMZ7N WGS84		Grey	Silt	Flat	B	0.7	Moist		

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10161252	17/10/2010	GroundTruth TW	567955	7068068	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C		0.4	Moist	
10161253	17/10/2010	GroundTruth TW	567920	7068033	UTMZ7N WGS84		Brown	Silt	ModerateN	C		0.65	Dry	
10161254	17/10/2010	GroundTruth TW	567886	7067995	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C		0.65	Moist	
10161255	17/10/2010	GroundTruth TW	567850	7067961	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C		0.6	Dry	
10161256	17/10/2010	GroundTruth TW	567817	7067923	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C		0.6	Dry	
10161257	17/10/2010	GroundTruth TW	567784	7067885	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C		0.6	Dry	
10161258	17/10/2010	GroundTruth TW	567750	7067850	UTMZ7N WGS84		BrownDark	Silt	ModerateN	B		0.5	Dry	
10161259	17/10/2010	GroundTruth TW	567715	7067814	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C		0.7	Moist	
10161260	17/10/2010	GroundTruth TW	567681	7067777	UTMZ7N WGS84		BrownDark	Silt	ModerateN	B		0.6	Moist	
10161261	17/10/2010	GroundTruth TW	567646	7067740	UTMZ7N WGS84		Brown	Silt	SteepN	C		0.8	Wet	
10161262	17/10/2010	GroundTruth TW	567614	7067703	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C		0.65	Moist	
10161263	17/10/2010	GroundTruth TW	567579	7067665	UTMZ7N WGS84		BrownDark	Silt	ModerateN	C		0.7	Moist	
10161264	17/10/2010	GroundTruth TW	567546	7067628	UTMZ7N WGS84		Brown	Silt	Flat	C		0.7	Dry	
10161265	17/10/2010	GroundTruth TW	567511	7067594	UTMZ7N WGS84		BrownLight	Silt	Flat	C		0.75	Dry	
10161266	17/10/2010	GroundTruth TW	567480	7067557	UTMZ7N WGS84		Brown	Silt	Flat	C		0.6	Dry	
10161351	17/10/2010	GroundTruth AC	567666	7068200	UTMZ7N WGS84		Orange	Silt	Flat	C		0.65	Dry	
10161352	17/10/2010	GroundTruth AC	567634	7068163	UTMZ7N WGS84		BrownLight	Silt	Flat	C		0.65	Dry	
10161353	17/10/2010	GroundTruth AC	567598	7068128	UTMZ7N WGS84		Brown	Silt	ModerateNE	C		0.7	Dry	
10161354	17/10/2010	GroundTruth AC	567564	7068091	UTMZ7N WGS84		Brown	Silt	ModerateW	B		0.45	Dry	
10161355	17/10/2010	GroundTruth AC	567530	7068054	UTMZ7N WGS84		BrownDark	Silt	ModerateSW	C		0.7	Dry	
10161356	17/10/2010	GroundTruth AC	567497	7068016	UTMZ7N WGS84		BrownLight	Silt	Flat	C		0.75	Dry	
10161357	17/10/2010	GroundTruth AC	567462	7067981	UTMZ7N WGS84		Brown	Silt	ModerateW	B		0.45	Dry	
10161358	17/10/2010	GroundTruth AC	567428	7067944	UTMZ7N WGS84		BrownLight	Silt	ModerateW	C		0.65	Dry	
10161359	17/10/2010	GroundTruth AC	567394	7067908	UTMZ7N WGS84		BrownDark	Silt	ModerateSW	C		0.6	Dry	
10161360	17/10/2010	GroundTruth AC	567360	7067867	UTMZ7N WGS84		Green	Silt	ModerateSW	C		0.7	Dry	
10161361	17/10/2010	GroundTruth AC	567325	7067833	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	C		0.55	Dry	
10161362	17/10/2010	GroundTruth AC	567293	7067795	UTMZ7N WGS84		Brown	Silt	ModerateS	C		0.65	Dry	
10161363	17/10/2010	GroundTruth AC	567257	7067760	UTMZ7N WGS84		BrownDark	Silt	ModerateSW	C		0.85	Dry	
10161364	17/10/2010	GroundTruth AC	567225	7067722	UTMZ7N WGS84		BrownDark	Silt	ModerateS	C		0.65	Dry	
10161365	17/10/2010	GroundTruth AC	567189	7067687	UTMZ7N WGS84		Brown	Silt	ModerateSE	C		0.6	Dry	
10161366	17/10/2010	GroundTruth AC	567157	7067648	UTMZ7N WGS84		Brown	Silt	Flat	B		0.65	Moist	
10161368	17/10/2010	GroundTruth AC	567121	7067613	UTMZ7N WGS84		Brown	Silt	Flat	C		0.7	Dry	
10161369	17/10/2010	GroundTruth AC	567089	7067578	UTMZ7N WGS84		BrownDark	Silt	ModerateW	B		0.5	Dry	
10161370	17/10/2010	GroundTruth AC	567054	7067542	UTMZ7N WGS84		Green	Silt	ModerateW	C		0.65	Dry	
10161371	17/10/2010	GroundTruth AC	567019	7067507	UTMZ7N WGS84		Brown	Silt	ModerateSE	C		0.8	Dry	
10161372	17/10/2010	GroundTruth AC	566985	7067469	UTMZ7N WGS84		Brown	Silt	ModerateW	B		0.45	Moist	
10161373	17/10/2010	GroundTruth AC	566952	7067432	UTMZ7N WGS84		Brown	Silt	ModerateSW	C		0.65	Dry	
10161374	17/10/2010	GroundTruth AC	566917	7067394	UTMZ7N WGS84		BrownDark	Silt	ModerateSW	C		0.55	Dry	
10161375	17/10/2010	GroundTruth AC	566883	7067361	UTMZ7N WGS84		BrownLight	Silt	ModerateW	C		0.5	Dry	
10161376	17/10/2010	GroundTruth AC	566849	7067323	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	B		0.45	Dry	
10161377	17/10/2010	GroundTruth AC	566815	7067289	UTMZ7N WGS84		BrownLight	Silt	SteepSW	C		0.6	Dry	
10161378	17/10/2010	GroundTruth AC	566781	7067247	UTMZ7N WGS84		BrownLight	Silt	SteepSW	C		0.7	Dry	
10161379	17/10/2010	GroundTruth AC	566746	7067214	UTMZ7N WGS84		Brown	Silt	SteepSW	B		0.55	Dry	
10161412	17/10/2010	GroundTruth TR	566628	7067528	UTMZ7N WGS84		BrownLight	Silt	SteepS	C		0.65	Dry	
10161413	17/10/2010	GroundTruth TR	566560	7067455	UTMZ7N WGS84		Blue	Silt	SteepS	C		0.6	Dry	
10161414	17/10/2010	GroundTruth TR	566527	7067420	UTMZ7N WGS84		Grey	Silt	SteepS	C		0.65	Dry	
10161416	17/10/2010	GroundTruth MD	568209	7067904	UTMZ7N WGS84		BrownLight	Silt	SteepS	C		0.7	Dry	
10161417	17/10/2010	GroundTruth MD	568172	7067865	UTMZ7N WGS84		BrownLight	Silt	SteepS	C		0.6	Dry	
10161418	17/10/2010	GroundTruth MD	568137	7067828	UTMZ7N WGS84		BrownLight	Silt	SteepSW	C		0.7	Dry	
10161419	17/10/2010	GroundTruth MD	568104	7067791	UTMZ7N WGS84		BrownLight	Silt	SteepSW	C		0.65	Dry	
10161420	17/10/2010	GroundTruth MD	568072	7067755	UTMZ7N WGS84		BrownLight	Silt	SteepS	B		0.5	Dry	
10161421	17/10/2010	GroundTruth MD	568037	7067717	UTMZ7N WGS84		BrownLight	Silt	SteepS	B		0.55	Dry	
10161422	17/10/2010	GroundTruth MD	568002	7067682	UTMZ7N WGS84		BrownLight	Silt	SteepS	B		0.45	Dry	
10161423	17/10/2010	GroundTruth MD	567968	7067644	UTMZ7N WGS84		Grey	Silt	SteepS	C		0.75	Dry	
10161424	17/10/2010	GroundTruth MD	567935	7067607	UTMZ7N WGS84		BrownLight	Silt	SteepS	C		0.7	Dry	
10161425	17/10/2010	GroundTruth MD	567899	7067571	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C		0.65	Dry	
10161426	17/10/2010	GroundTruth MD	567867	7067535	UTMZ7N WGS84		BrownDark	Silt	ModerateS	B		0.4	Dry	
10161427	17/10/2010	GroundTruth MD	567833	7067497	UTMZ7N WGS84		BrownLight	Silt	ModerateS	C		0.7	Dry	
10161428	17/10/2010	GroundTruth MD	567799	7067460	UTMZ7N WGS84		Brown	Silt	ModerateS	C		0.75	Moist	
10161429	17/10/2010	GroundTruth MD	567765	7067422	UTMZ7N WGS84		Brown	Silt	ModerateS	C		0.75	Moist	

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10161430	17/10/2010	GroundTruth MD	567730	7067388	UTMZ7N WGS84		BrownDark	Silt	ModerateS	C	0.7	Dry		
10161431	17/10/2010	GroundTruth MD	567694	7067351	UTMZ7N WGS84		Brown	Silt	ModerateS	B	0.45	Moist		
10161432	17/10/2010	GroundTruth MD	567662	7067313	UTMZ7N WGS84		Brown	Silt	ModerateS	B	0.6	Moist		
10161433	17/10/2010	GroundTruth MD	567629	7067277	UTMZ7N WGS84		Brown	Sand	ModerateS	B	0.45	Dry		
10161434	17/10/2010	GroundTruth MD	567594	7067240	UTMZ7N WGS84		Brown	Silt	ModerateS	B	0.4	Dry		
10161435	17/10/2010	GroundTruth MD	567559	7067203	UTMZ7N WGS84		BrownLight	Sand	ModerateS	C	0.7	Dry		
10161436	17/10/2010	GroundTruth MD	567527	7067170	UTMZ7N WGS84		BrownDark	Sand	ModerateS	C	0.65	Dry		
10161437	17/10/2010	GroundTruth MD	567492	7067134	UTMZ7N WGS84		BrownDark	Sand	ModerateS	C	0.7	Dry		
10161438	17/10/2010	GroundTruth MD	567459	7067095	UTMZ7N WGS84		BrownDark	Silt	SteepS	C	0.75	Dry		
10161439	17/10/2010	GroundTruth MD	567424	7067062	UTMZ7N WGS84		BrownDark	Silt	ModerateS	C	0.75	Dry		
10161440	17/10/2010	GroundTruth MD	567389	7067026	UTMZ7N WGS84		BrownLight	Silt	SteepS	C	0.8	Dry		
10161441	17/10/2010	GroundTruth MD	567353	7066987	UTMZ7N WGS84		Brown	Sand	SteepS	C	0.7	Dry		
10161442	17/10/2010	GroundTruth MD	567321	7066950	UTMZ7N WGS84		BrownDark	Silt	SteepS	B	0.45	Dry		
10161443	17/10/2010	GroundTruth MD	567287	7066913	UTMZ7N WGS84		Brown	Silt	ModerateS	B	0.3	Dry	Good	SubAlpineBrush
10161444	17/10/2010	GroundTruth MD	567253	7066877	UTMZ7N WGS84		Brown	Silt	ModerateS	C	0.6	Dry	Excellent	SubAlpineAlder
10161445	17/10/2010	GroundTruth MD	567218	7066842	UTMZ7N WGS84		BrownLight	Silt	ModerateS	B	0.4	Moist	Good	SubAlpineBrush
10161446	17/10/2010	GroundTruth MD	567184	7066804	UTMZ7N WGS84		BrownLight	Sand	ModerateS	C	0.4	Dry	Excellent	SubAlpineBrush
10161447	17/10/2010	GroundTruth IB	566967	7068036	UTMZ7N WGS84		BrownLight	Silt	ModerateS	B	0.3	Dry	Good	SubAlpineBrush
10161448	17/10/2010	GroundTruth IB	566932	7067999	UTMZ7N WGS84		Brown	Silt	ModerateS	B	0.3	Moist	Good	SubAlpineBrush
10161449	17/10/2010	GroundTruth GD	567641	7067882	UTMZ7N WGS84		RustyOrange	Sand	ModerateS	C	0.4	Dry	Excellent	SubAlpineBrush
10161450	17/10/2010	GroundTruth GD	567608	7067845	UTMZ7N WGS84		BrownLight	Silt	ModerateS	B	0.35	Dry	Poor	SubAlpineBrush
10161451	17/10/2010	GroundTruth GD	567574	7067809	UTMZ7N WGS84		RustyOrange	Sand	SteepE	C	0.5	Dry	Excellent	SubAlpineBrush
10161456	17/10/2010	GroundTruth GD	567539	7067771	UTMZ7N WGS84		Green	Sand	ModerateSW	C	0.65	Dry	Excellent	SubAlpineBrush
10161457	17/10/2010	GroundTruth GD	567504	7067734	UTMZ7N WGS84		BrownLight	Sand	ModerateSW	C	0.65	Dry	Excellent	SubAlpineBrush
10161458	17/10/2010	GroundTruth GD	567470	7067698	UTMZ7N WGS84		BrownDark	Silt	ModerateSW	B	0.6	Moist	Good	SubAlpineBrush
10161459	17/10/2010	GroundTruth GD	567436	7067661	UTMZ7N WGS84		Brown	Sand	ModerateSW	C	0.65	Moist	Good	SubAlpineBrush
10161460	17/10/2010	GroundTruth GD	567406	7067626	UTMZ7N WGS84		RustyOrange	Sand	ModerateSW	C	0.6	Frozen	Excellent	BurnOld
10161461	17/10/2010	GroundTruth GD	567370	7067591	UTMZ7N WGS84		RustyOrange	Sand	ModerateSW	C	0.6	Dry	Excellent	BurnOld
10161462	17/10/2010	GroundTruth GD	567337	7067556	UTMZ7N WGS84		RustyOrange	Silt	ModerateSW	B	0.6	Moist	Good	BurnOld
10161463	17/10/2010	GroundTruth GD	567302	7067519	UTMZ7N WGS84		BrownLight	Sand	Swamp	C	0.6	Moist	Excellent	ForestMixed
10161464	17/10/2010	GroundTruth GD	567267	7067482	UTMZ7N WGS84		BrownLight	Sand	Depression	B	0.5	Moist	Good	ForestMixed
10161465	17/10/2010	GroundTruth GD	567233	7067445	UTMZ7N WGS84		Brown	Silt	Depression	B	0.3	Moist	Good	DrainageBrush
10161466	17/10/2010	GroundTruth GD	567199	7067408	UTMZ7N WGS84		RustyOrange	Sand	Depression	C	0.5	Dry	Excellent	ForestFir
10161467	17/10/2010	GroundTruth GD	567167	7067371	UTMZ7N WGS84		Orange	Sand	Depression	C	0.4	Frozen	Excellent	ForestFir
10161468	17/10/2010	GroundTruth GD	567129	7067334	UTMZ7N WGS84		White	Silt	Drainage	C	0.5	Frozen	Excellent	ForestMixed
10161469	17/10/2010	GroundTruth GD	567096	7067297	UTMZ7N WGS84		Green	Sand	ModerateS	C	0.5	Dry	Excellent	SubAlpineBrush
10161470	17/10/2010	GroundTruth GD	567064	7067263	UTMZ7N WGS84		BrownLight	Sand	ModerateS	C	0.6	Dry	Excellent	SubAlpineBrush
10161471	17/10/2010	GroundTruth GD	567030	7067224	UTMZ7N WGS84		BrownLight	Silt	ModerateS	B	0.5	Moist	Good	SubAlpineBrush
10161472	17/10/2010	GroundTruth GD	566994	7067188	UTMZ7N WGS84		Brown	Silt	ModerateS	B	0.45	Moist	Good	SubAlpineBrush
10161474	17/10/2010	GroundTruth GD	566961	7067150	UTMZ7N WGS84		Brown	Silt	ModerateS	B	0.6	Moist	Good	SubAlpineBrush
10161475	17/10/2010	GroundTruth GD	566926	7067116	UTMZ7N WGS84		Green	Sand	ModerateS	C	0.4	Dry	Excellent	SubAlpineBrush
10161476	17/10/2010	GroundTruth GD	566893	7067078	UTMZ7N WGS84		RustyOrange	Silt	ModerateS	C	0.6	Dry	Excellent	SubAlpineBrush
10161480	17/10/2010	GroundTruth TR	567548	7068517	UTMZ7N WGS84		BrownLight	Silt	ModerateS	B	0.4	Moist	Good	SubAlpineBrush
10161481	17/10/2010	GroundTruth TR	567514	7068479	UTMZ7N WGS84		RustyOrange	Sand	ModerateS	C	0.45	Dry	Excellent	SubAlpineBrush
10162691	16/10/2010	GroundTruth IF	569508	7067096	UTMZ7N WGS84		Brown	Silt	ModerateS	B	0.4	Moist	Good	SubAlpineBrush
10162692	16/10/2010	GroundTruth IF	569475	7067062	UTMZ7N WGS84		Brown	Silt	ModerateS	B	0.4	Moist	Good	SubAlpineBrush
10162693	16/10/2010	GroundTruth IF	569441	7067024	UTMZ7N WGS84		Brown	Silt	ModerateS	B	0.35	Moist	Good	SubAlpineAlder
10162694	16/10/2010	GroundTruth IF	569408	7066987	UTMZ7N WGS84		Brown	Silt	ModerateS	B	0.45	Moist	Good	SubAlpineAlder
10162695	16/10/2010	GroundTruth IF	569373	7066951	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	0.4	Moist	Good	SubAlpineAlder
10162696	16/10/2010	GroundTruth IF	569338	7066915	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	B	0.5	Moist	Good	SubAlpineAlder
10162697	16/10/2010	GroundTruth IF	569304	7066877	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	0.6	Moist	Good	BurnOld
10162698	16/10/2010	GroundTruth IF	569270	7066842	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	0.55	Moist	Good	BurnOld
10162699	16/10/2010	GroundTruth IF	569236	7066805	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	0.5	Moist	Good	BurnOld
10162700	16/10/2010	GroundTruth IF	569202	7066767	UTMZ7N WGS84		BrownDark	Silt	ModerateSW	B	0.45	Moist	Good	BurnOld
10162701	16/10/2010	GroundTruth IF	569169	7066733	UTMZ7N WGS84		Brown	Sand	ModerateSW	B	0.4	Moist	Good	BurnOld
10162702	16/10/2010	GroundTruth IF	569134	7066695	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	0.5	Moist	Good	BurnOld
10162703	16/10/2010	GroundTruth IF	569100	7066658	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	0.35	Moist	Good	BurnOld
10162704	16/10/2010	GroundTruth IF	569066	7066620	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	B	0.4	Moist	Good	BurnOld
10162705	16/10/2010	GroundTruth IF	569032	7066583	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	0.4	Moist	Good	BurnOld
10162706	16/10/2010	GroundTruth IF	568999	7066547	UTMZ7N WGS84		Brown	Silt	ModerateSW	C	0.4	Moist	Excellent	BurnOld

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10162707	16/10/2010	GroundTruth IF	568965	7066509	UTMZ7N WGS84		Green	Silt	ModerateSW	C	0.55	Moist	Excellent	BurnOld
10162708	16/10/2010	GroundTruth IF	568928	7066473	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	0.3	Moist	Good	BurnOld
10162709	16/10/2010	GroundTruth IF	568896	7066437	UTMZ7N WGS84		Brown	Silt	ModerateSW	B	0.4	Moist	Good	BurnOld
10162710	16/10/2010	GroundTruth IF	568862	7066400	UTMZ7N WGS84		BrownLight	Sand	ModerateSW	C	0.35	Dry	Excellent	BurnOld
10162711	16/10/2010	GroundTruth IF	568828	7066364	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	C	0.8	Moist	Good	BurnOld
10162712	16/10/2010	GroundTruth IF	568796	7066329	UTMZ7N WGS84		Orange	Sand	ModerateSW	C	0.55	Dry	Excellent	BurnOld
10162713	16/10/2010	GroundTruth IF	568760	7066293	UTMZ7N WGS84		BrownLight	Silt	ModerateSW	B	0.7	Moist	Good	BurnOld
10162714	16/10/2010	GroundTruth IF	568726	7066256	UTMZ7N WGS84		Grey	Silt	ModerateN	B	0.4	Dry	Good	AlpineBare
10162715	16/10/2010	GroundTruth IF	568692	7066220	UTMZ7N WGS84		Brown	Silt	SteepN	B	0.3	Dry	Poor	AlpineBare
10162716	16/10/2010	GroundTruth IF	568659	7066183	UTMZ7N WGS84		BrownDark	Silt	ModerateN	B	0.3	Dry	Poor	AlpineBare
10162717	16/10/2010	GroundTruth IF	568623	7066147	UTMZ7N WGS84		Brown	Sand	ModerateN	C	0.4	Dry	Excellent	AlpineBare
10162718	16/10/2010	GroundTruth IF	568589	7066112	UTMZ7N WGS84		Brown	Silt	ModerateN	B	0.4	Dry	Poor	AlpineBare
10162887	16/10/2010	GroundTruth JM	569363	7067234	UTMZ7N WGS84		Brown	Silt	ModerateN	B	0.35	Dry	Good	AlpineBare
10162888	16/10/2010	GroundTruth JM	569329	7067198	UTMZ7N WGS84		Brown	Silt	ModerateN	B	0.4	Dry	Good	AlpineBare
10162889	16/10/2010	GroundTruth JM	569294	7067163	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.35	Dry	Good	AlpineBare
10162890	16/10/2010	GroundTruth JM	569261	7067124	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.35	Dry	Good	AlpineBare
10162891	16/10/2010	GroundTruth JM	569225	7067088	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.45	Moist	Poor	AlpineBare
10162892	16/10/2010	GroundTruth JM	569191	7067052	UTMZ7N WGS84		Brown	Silt	ModerateW	A	0.25	Moist	Poor	AlpineBare
10162893	16/10/2010	GroundTruth JM	569159	7067015	UTMZ7N WGS84		BrownDark	Silt	ModerateW	B	0.35	Wet	Good	AlpineBare
10162894	16/10/2010	GroundTruth JM	569124	7066978	UTMZ7N WGS84		BrownDark	Silt	ModerateW	B	0.65	Wet	Good	AlpineBare
10162895	16/10/2010	GroundTruth JM	569088	7066941	UTMZ7N WGS84		BrownDark	Silt	ModerateW	B	0.55	Wet	Poor	BurnOld
10162896	16/10/2010	GroundTruth JM	569056	7066905	UTMZ7N WGS84		Brown	Silt	ModerateNW	B	0.5	Wet	Good	BurnOld
10162897	16/10/2010	GroundTruth JM	569022	7066868	UTMZ7N WGS84		Brown	Silt	ModerateNW	B	0.4	Moist	Poor	BurnOld
10162898	16/10/2010	GroundTruth JM	568987	7066832	UTMZ7N WGS84		Brown	Silt	ModerateNW	B	0.6	Wet	Poor	BurnOld
10162899	16/10/2010	GroundTruth JM	568953	7066794	UTMZ7N WGS84		Brown	Silt	ModerateNW	B	0.4	Moist	Good	BurnOld
10162900	16/10/2010	GroundTruth JM	568919	7066759	UTMZ7N WGS84		Grey	Silt	ModerateNW	B	0.6	Moist	Poor	SubAlpineBrush
10162901	16/10/2010	GroundTruth JM	568886	7066721	UTMZ7N WGS84		Brown	Silt	ModerateNW	A	0.4	Dry	Poor	SubAlpineBrush
10165903	10/10/2010	GroundTruth WW	568165	7066095	UTMZ7N WGS84		BrownLight	Silt	ModerateNW	A	0.4	Dry	Poor	BurnOld
10165904	10/10/2010	GroundTruth WW	568130	7066058	UTMZ7N WGS84		BrownLight	Sand	ModerateNW	C	0.45	Dry	Excellent	SubAlpineBrush
10165905	10/10/2010	GroundTruth WW	568097	7066023	UTMZ7N WGS84		Brown	Silt	ModerateNW	A	0.3	Frozen	Poor	SubAlpineBrush
10165906	10/10/2010	GroundTruth WW	568062	7065985	UTMZ7N WGS84		Brown	Sand	Ridge	B	0.3	Dry	Good	AlpineBare
10165907	10/10/2010	GroundTruth WW	568027	7065948	UTMZ7N WGS84		Black	Silt	ModerateNE	B	0.4	Dry	Good	BurnOld
10165908	10/10/2010	GroundTruth WW	567993	7065911	UTMZ7N WGS84		BrownDark	Silt	ModerateNW	B	0.4	Dry	Poor	BurnOld
10165909	10/10/2010	GroundTruth WW	567959	7065876	UTMZ7N WGS84		Brown	Silt	ModerateNW	B	0.4	Moist	Poor	ForestMixed
10165910	10/10/2010	GroundTruth WW	567926	7065841	UTMZ7N WGS84		Brown	Silt	ModerateNW	B	0.4	Moist	Good	ForestMixed
10165911	10/10/2010	GroundTruth WW	567891	7065802	UTMZ7N WGS84		Brown	Silt	ModerateNW	B	0.4	Dry	Good	ForestMixed
10165912	10/10/2010	GroundTruth WW	567856	7065766	UTMZ7N WGS84		Brown	Silt	ModerateNW	B	0.35	Frozen	Good	ForestMixed
10165913	10/10/2010	GroundTruth WW	567823	7065729	UTMZ7N WGS84		Brown	Sand	ModerateNW	C	0.4	Dry	Excellent	ForestMixed
10165914	10/10/2010	GroundTruth WW	567788	7065693	UTMZ7N WGS84		Brown	Silt	ModerateNW	B	0.35	Dry	Good	ForestMixed
10165915	10/10/2010	GroundTruth WW	567755	7065656	UTMZ7N WGS84		Brown	Silt	ModerateNW	B	0.35	Dry	Good	ForestMixed
10165916	10/10/2010	GroundTruth WW	567722	7065622	UTMZ7N WGS84		Brown	Sand	ModerateNW	C	0.5	Dry	Excellent	ForestMixed
10165917	10/10/2010	GroundTruth WW	567687	7065585	UTMZ7N WGS84		Brown	Silt	ModerateNW	B	0.45	Dry	Good	ForestMixed
10165918	10/10/2010	GroundTruth WW	567653	7065548	UTMZ7N WGS84		Blue	Silt	ModerateS	C	0.4	Dry	Excellent	ForestMixed
10165919	10/10/2010	GroundTruth WW	567620	7065512	UTMZ7N WGS84		Grey	Silt	ModerateS	B	0.5	Moist	Good	ForestMixed
10165920	10/10/2010	GroundTruth WW	567586	7065475	UTMZ7N WGS84		BrownLight	Sand	ModerateS	B	0.4	Moist	Good	ForestMixed
10173066	08/10/2010	GroundTruth JM	568924	7065594	UTMZ7N WGS84		Red	Silt	ModerateW	C	0.35	Frozen	Excellent	ForestMixed
10173067	08/10/2010	GroundTruth JM	568890	7065557	UTMZ7N WGS84		Brown	Sand	ModerateW	B	0.4	Dry	Good	ForestMixed
10173068	08/10/2010	GroundTruth JM	568858	7065519	UTMZ7N WGS84		BrownLight	Silt	ModerateW	B	0.5	Moist	Good	ForestMixed
10173069	08/10/2010	GroundTruth JM	568821	7065483	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.5	Moist	Good	ForestMixed
10173070	08/10/2010	GroundTruth JM	568787	7065446	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.4	Moist	Good	ForestMixed
10173071	08/10/2010	GroundTruth JM	568753	7065410	UTMZ7N WGS84		BrownDark	Silt	ModerateW	B	0.35	Moist	Poor	ForestMixed
10173072	08/10/2010	GroundTruth JM	568720	7065374	UTMZ7N WGS84		Brown	Sand	ModerateW	C	0.45	Dry	Good	ForestMixed
10173073	08/10/2010	GroundTruth JM	568685	7065336	UTMZ7N WGS84		Brown	Sand	Flat	B	0.35	Dry	Good	BurnOld
10173074	08/10/2010	GroundTruth JM	568651	7065300	UTMZ7N WGS84		Grey	Silt	ModerateW	B	0.4	Moist	Good	SubAlpineBrush
10173075	08/10/2010	GroundTruth JM	568619	7065262	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.5	Moist	Good	SubAlpineBrush
10173076	08/10/2010	GroundTruth JM	568585	7065225	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.4	Wet	Good	SubAlpineBrush
10173077	08/10/2010	GroundTruth JM	568549	7065189	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.4	Moist	Good	SubAlpineBrush
10173078	08/10/2010	GroundTruth JM	568515	7065150	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.5	Moist	Good	SubAlpineBrush
10173079	08/10/2010	GroundTruth JM	568483	7065114	UTMZ7N WGS84		BrownLight	Sand	ModerateW	C	0.4	Dry	Excellent	ForestMixed
10173080	08/10/2010	GroundTruth JM	568449	7065080	UTMZ7N WGS84		Brown	Sand	ModerateW	C	0.4	Moist	Excellent	ForestMixed

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
10173081	08/10/2010	GroundTruth JM	568414	7065042	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.4	Moist	Good	ForestMixed
10173082	08/10/2010	GroundTruth JM	568380	7065006	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.35	Moist	Good	ForestMixed
10173083	08/10/2010	GroundTruth JM	568346	7064968	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.45	Moist	Good	ForestMixed
10173084	08/10/2010	GroundTruth JM	568312	7064931	UTMZ7N WGS84		Grey	Silt	ModerateW	B	0.4	Moist	Good	ForestMixed
10173085	08/10/2010	GroundTruth JM	568280	7064896	UTMZ7N WGS84		BrownLight	Silt	ModerateW	C	0.55	Dry	Excellent	ForestMixed
10173086	08/10/2010	GroundTruth JM	568245	7064859	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.5	Moist	Good	ForestMixed
10173087	08/10/2010	GroundTruth JM	568212	7064823	UTMZ7N WGS84		Grey	Silt	ModerateW	C	0.5	Moist	Excellent	ForestMixed
10173088	08/10/2010	GroundTruth JM	568177	7064786	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.55	Moist	Good	ForestMixed
10173089	08/10/2010	GroundTruth JM	568142	7064749	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.7	Moist	Good	ForestMixed
10173090	08/10/2010	GroundTruth JM	568107	7064713	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.5	Moist	Good	ForestMixed
10173091	08/10/2010	GroundTruth JM	568074	7064678	UTMZ7N WGS84		Grey	Silt	ModerateW	C	0.55	Frozen	Excellent	ForestMixed
10173092	08/10/2010	GroundTruth JM	568040	7064640	UTMZ7N WGS84		Grey	Silt	ModerateW	C	0.55	Dry	Excellent	ForestMixed
10173093	08/10/2010	GroundTruth JM	568004	7064603	UTMZ7N WGS84		Grey	Sand	ModerateW	C	0.5	Moist	Excellent	ForestMixed
10173094	08/10/2010	GroundTruth JM	567971	7064568	UTMZ7N WGS84		BrownDark	Silt	ModerateW	C	0.6	Dry	Excellent	ForestMixed
10173095	08/10/2010	GroundTruth JM	567936	7064532	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.4	Wet	Poor	ForestMixed
10173096	08/10/2010	GroundTruth JM	567902	7064496	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.35	Wet	Poor	ForestMixed
10173369	10/10/2010	GroundTruth AW	568053	7066271	UTMZ7N WGS84		Brown	Silt	ModerateW	C	0.5	Moist	Excellent	BurnOld
10173370	10/10/2010	GroundTruth AW	568019	7066234	UTMZ7N WGS84		Brown	Silt	ModerateW	B	0.25	Wet	Poor	BurnOld
10173371	10/10/2010	GroundTruth AW	567985	7066197	UTMZ7N WGS84		BrownLight	Sand	ModerateW	C	0.45	Dry	Excellent	BurnOld
10173372	10/10/2010	GroundTruth AW	567952	7066160	UTMZ7N WGS84		Grey	Sand	ModerateW	C	0.6	Dry	Excellent	BurnOld
10173373	10/10/2010	GroundTruth AW	567918	7066122	UTMZ7N WGS84		Brown	Gravel	ModerateW	B	0.25	Frozen	Poor	BurnOld
10173374	10/10/2010	GroundTruth AW	567883	7066087	UTMZ7N WGS84		Brown	Sand	ModerateW	B	0.5	Dry	Good	BurnOld
10173375	10/10/2010	GroundTruth AW	567849	7066049	UTMZ7N WGS84		Brown	Gravel	ModerateW	B	0.3	Frozen	Poor	BurnOld
10173376	10/10/2010	GroundTruth AW	567815	7066014	UTMZ7N WGS84		Brown	Sand	ModerateW	C	0.5	Dry	Excellent	ForestMixed
10173377	10/10/2010	GroundTruth AW	567779	7065975	UTMZ7N WGS84		Green	Silt	ModerateW	C	0.65	Moist	Excellent	BurnOld
10173378	10/10/2010	GroundTruth AW	567746	7065941	UTMZ7N WGS84		Grey	Sand	ModerateW	C	0.5	Dry	Excellent	SubAlpineAlder

**Appendix C - Analytical Certificates**

**Volume III**

**2011 Surface Work**

**On the**

**Dan Property**

Dan 1 to 21 (YC96601 to YC96621)  
Dan 23 to 168 (YC99623 to YC96768)  
Dan 169 to 368 (YD43201 to YD43400)  
Dan 369 to 452 (YD47683 to YD47766)

**Dawson Mining District, Yukon  
NTS Sheets 115O11, 115O12, and 115O13  
63°39'N. Lat., 139°30'W. Long.**

**Operated by**



**By  
Mark Fekete, P.Geo.  
and  
Neda Dokic, B.Sc., GIT  
December 1, 2011**





1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5 Canada

Submitted By: Lauren Wilson
Receiving Lab: Canada-Whitehorse
Received: July 15, 2011
Report Date: August 07, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000625.1

CLIENT JOB INFORMATION

Project: DAN
Shipment ID: 20110707120122
P.O. Number
Number of Samples: 318

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil 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: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Mark Fekete

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX2.

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. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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

www.acmelab.com

Client: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000625.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
119673	Soil	0.7	26.6	12.9	58	<0.1	29.2	11.0	329	3.01	25.0	1.8	2.6	8.5	56	<0.1	0.3	0.4	65	0.48	0.029
119674	Soil	0.8	24.4	8.1	62	<0.1	31.8	15.5	253	3.74	7.1	0.8	<0.5	8.0	34	<0.1	0.3	0.2	88	0.17	0.015
119675	Soil	0.4	29.4	9.9	79	<0.1	35.9	16.0	491	3.88	4.7	0.9	<0.5	15.2	11	<0.1	0.2	0.3	53	0.13	0.032
119676	Soil	0.8	31.3	13.2	84	<0.1	40.0	15.8	380	4.16	6.4	1.7	1.1	15.3	22	0.1	0.2	0.2	76	0.18	0.038
119677	Soil	1.0	27.8	14.6	75	<0.1	29.8	13.7	359	3.22	6.9	1.9	0.6	11.5	61	<0.1	0.2	0.2	62	0.22	0.036
119678	Soil	1.3	15.8	10.8	96	0.2	25.1	19.5	536	3.24	7.8	0.4	2.7	3.6	16	0.2	0.4	0.2	82	0.14	0.026
119679	Soil	1.4	16.5	10.1	60	<0.1	26.5	12.6	297	3.17	9.9	0.5	2.2	4.6	15	<0.1	0.5	0.2	74	0.15	0.025
119680	Soil	0.9	17.7	10.7	58	<0.1	24.3	12.6	233	3.32	9.3	0.6	<0.5	6.3	11	<0.1	0.4	0.2	73	0.10	0.020
119681	Soil	0.5	34.0	7.7	79	<0.1	34.2	17.0	199	4.23	3.4	1.2	<0.5	12.0	9	<0.1	0.2	0.1	58	0.09	0.018
119682	Soil	0.6	22.8	12.0	59	<0.1	20.9	9.9	256	2.97	5.5	1.1	0.9	10.4	18	<0.1	0.3	0.2	64	0.21	0.027
119683	Soil	0.7	22.8	7.6	56	<0.1	23.0	11.9	286	3.16	5.2	1.1	<0.5	10.4	13	<0.1	0.3	0.2	57	0.12	0.020
119684	Soil	0.8	13.5	8.1	52	<0.1	21.3	11.0	321	3.29	3.7	1.1	0.7	9.4	11	<0.1	0.2	0.2	63	0.12	0.035
119685	Soil	0.7	15.1	7.6	53	<0.1	18.7	12.0	327	3.09	6.0	0.8	0.8	7.5	18	<0.1	0.2	0.2	61	0.21	0.031
119686	Soil	0.7	15.3	7.3	44	<0.1	16.1	9.3	267	2.93	6.4	1.2	<0.5	8.3	17	<0.1	0.3	0.1	63	0.20	0.020
119687	Soil	0.7	27.0	6.0	64	<0.1	19.0	13.9	462	3.56	5.4	2.3	<0.5	14.8	24	<0.1	0.2	0.1	80	0.43	0.065
119688	Soil	0.4	46.7	4.0	108	<0.1	52.9	26.6	543	5.97	3.6	0.6	<0.5	17.0	8	<0.1	<0.1	0.1	97	0.11	0.038
119689	Soil	0.3	28.5	8.1	73	<0.1	34.1	21.7	639	4.88	2.8	1.2	<0.5	16.3	25	<0.1	0.2	0.2	121	0.36	0.054
119690	Soil	0.4	58.7	5.2	89	<0.1	43.0	23.1	836	6.11	2.8	1.3	<0.5	26.6	20	<0.1	<0.1	0.1	126	0.35	0.078
119691	Soil	1.3	18.3	6.0	50	<0.1	14.4	15.2	395	3.49	15.9	1.4	0.5	9.5	37	<0.1	0.3	0.1	85	0.30	0.014
119692	Soil	2.4	14.0	4.5	64	<0.1	10.1	13.8	483	4.12	27.2	0.6	<0.5	14.9	14	<0.1	0.3	0.2	69	0.16	0.041
119693	Soil	0.5	22.5	5.9	68	<0.1	16.1	14.1	517	3.39	6.6	0.7	1.7	7.3	18	0.1	0.4	0.1	79	0.26	0.074
119694	Soil	0.3	26.8	4.0	67	<0.1	7.4	17.0	999	4.43	3.4	0.6	1.0	6.3	37	<0.1	0.1	<0.1	103	0.66	0.059
119695	Soil	0.5	8.9	5.0	46	<0.1	25.9	12.4	1281	3.18	12.1	1.2	<0.5	18.6	25	<0.1	0.2	0.1	52	0.52	0.069
119696	Soil	0.7	86.1	6.0	56	<0.1	59.0	22.7	561	3.94	3.1	0.8	<0.5	7.3	30	<0.1	0.1	0.1	81	0.60	0.132
119697	Soil	0.3	30.5	2.3	99	<0.1	10.0	28.1	835	6.34	2.3	0.4	0.9	7.7	46	<0.1	0.1	<0.1	149	0.50	0.079
119698	Soil	0.6	20.1	3.7	72	<0.1	11.3	17.1	606	4.60	4.4	0.4	<0.5	3.9	28	<0.1	0.1	<0.1	115	0.44	0.070
119699	Soil	2.7	82.1	6.7	90	<0.1	40.7	14.7	489	4.56	8.3	0.7	<0.5	11.6	16	<0.1	0.1	0.2	60	0.28	0.057
119700	Soil	1.1	29.6	6.2	62	<0.1	16.9	14.5	655	3.72	7.7	1.4	1.6	7.1	29	<0.1	0.2	0.1	91	0.48	0.064
119701	Soil	1.3	14.4	10.0	86	<0.1	19.6	12.2	466	3.43	7.2	0.5	<0.5	6.0	16	0.1	0.2	0.2	76	0.25	0.023
119702	Soil	0.7	48.5	6.9	42	<0.1	13.6	6.4	174	2.15	6.8	0.6	<0.5	0.9	21	0.1	0.3	0.1	58	0.23	0.059

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
119673	Soil	21	38	0.40	195	0.031	1	2.16	0.017	0.04	0.1	0.03	6.1	0.1	0.17	6	<0.5	<0.2
119674	Soil	12	66	0.93	288	0.173	<1	3.16	0.010	0.34	<0.1	<0.01	5.4	0.2	0.07	9	<0.5	<0.2
119675	Soil	32	49	0.96	172	0.226	1	2.48	0.006	0.64	<0.1	0.02	3.5	0.4	<0.05	8	<0.5	0.3
119676	Soil	15	53	0.94	217	0.174	<1	3.36	0.007	0.79	<0.1	0.02	5.5	0.3	<0.05	10	<0.5	<0.2
119677	Soil	14	47	0.65	303	0.086	<1	3.48	0.019	0.36	<0.1	<0.01	5.3	0.3	<0.05	10	<0.5	<0.2
119678	Soil	9	34	0.38	149	0.055	<1	2.12	0.006	0.05	0.1	0.02	2.5	0.1	<0.05	7	<0.5	<0.2
119679	Soil	11	34	0.42	239	0.056	<1	2.12	0.007	0.05	0.1	0.02	2.7	0.1	<0.05	6	<0.5	<0.2
119680	Soil	10	37	0.51	172	0.084	<1	2.22	0.007	0.16	0.1	0.02	2.3	0.2	<0.05	6	<0.5	<0.2
119681	Soil	21	47	0.96	170	0.205	<1	2.69	0.005	0.87	<0.1	0.02	4.1	0.6	<0.05	8	0.6	<0.2
119682	Soil	37	38	0.58	161	0.114	<1	1.72	0.010	0.22	0.1	0.02	4.7	0.3	<0.05	6	<0.5	<0.2
119683	Soil	23	36	0.55	165	0.112	<1	1.78	0.007	0.30	<0.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
119684	Soil	21	40	0.54	142	0.137	<1	1.76	0.006	0.40	<0.1	<0.01	3.7	0.2	<0.05	8	<0.5	<0.2
119685	Soil	16	32	0.54	175	0.104	<1	1.72	0.007	0.16	<0.1	0.02	4.2	0.1	<0.05	6	<0.5	<0.2
119686	Soil	16	29	0.56	214	0.116	<1	1.84	0.009	0.22	<0.1	0.03	4.7	0.1	<0.05	6	<0.5	<0.2
119687	Soil	93	32	1.02	327	0.191	<1	2.09	0.012	0.76	0.1	0.04	7.3	0.3	<0.05	8	0.5	<0.2
119688	Soil	19	81	1.37	121	0.320	<1	3.12	0.005	1.44	0.2	<0.01	12.5	1.1	<0.05	13	<0.5	<0.2
119689	Soil	30	142	1.58	307	0.285	<1	3.14	0.010	1.10	<0.1	<0.01	11.9	0.6	<0.05	12	<0.5	<0.2
119690	Soil	45	109	1.71	370	0.433	<1	3.35	0.008	1.84	0.2	<0.01	13.8	0.9	<0.05	18	<0.5	<0.2
119691	Soil	16	28	0.98	131	0.099	<1	2.40	0.014	0.26	<0.1	0.02	8.7	0.4	<0.05	7	<0.5	<0.2
119692	Soil	18	13	0.77	166	0.167	<1	2.31	0.007	0.80	<0.1	<0.01	6.7	1.1	<0.05	9	0.5	<0.2
119693	Soil	21	22	0.89	242	0.135	<1	2.13	0.007	0.57	<0.1	0.03	4.1	0.2	<0.05	5	0.7	<0.2
119694	Soil	32	12	1.42	787	0.113	<1	3.02	0.007	0.63	<0.1	0.02	7.8	0.2	<0.05	7	<0.5	<0.2
119695	Soil	41	43	0.90	243	0.131	<1	2.01	0.010	0.59	<0.1	0.02	6.9	0.4	0.05	8	<0.5	<0.2
119696	Soil	19	87	0.91	270	0.108	<1	1.95	0.019	0.31	<0.1	<0.01	6.1	0.1	<0.05	6	<0.5	<0.2
119697	Soil	21	15	1.88	448	0.222	<1	3.21	0.008	0.92	<0.1	<0.01	5.3	0.2	0.06	8	<0.5	<0.2
119698	Soil	12	18	1.29	562	0.195	<1	2.54	0.010	0.73	<0.1	0.01	4.8	0.2	0.06	7	<0.5	<0.2
119699	Soil	19	37	1.15	428	0.146	<1	2.06	0.008	0.79	<0.1	<0.01	5.0	0.5	0.10	7	<0.5	<0.2
119700	Soil	22	27	0.92	418	0.119	<1	1.96	0.013	0.35	<0.1	0.05	8.1	0.1	0.07	6	<0.5	<0.2
119701	Soil	6	40	0.79	136	0.183	2	1.99	0.009	0.53	<0.1	0.01	4.3	0.3	0.05	8	<0.5	<0.2
119702	Soil	9	22	0.40	161	0.054	1	1.43	0.011	0.07	<0.1	0.03	2.3	<0.1	0.07	5	0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			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	2	0.01	0.001	
119703	Soil		0.5	62.0	6.3	40	0.1	11.1	6.0	144	1.79	4.6	0.6	1.5	0.6	28	<0.1	0.2	<0.1	56	0.32	0.048
119704	Soil		0.6	67.2	4.7	43	0.1	13.0	8.5	204	2.07	3.7	0.4	<0.5	1.1	30	0.2	0.2	<0.1	63	0.37	0.065
119705	Soil		0.5	49.7	7.1	43	<0.1	13.4	6.7	166	1.88	5.0	0.6	3.1	1.1	21	<0.1	0.2	0.1	62	0.27	0.047
119706	Soil		0.8	43.1	8.9	32	<0.1	8.9	5.1	142	1.99	4.8	0.7	<0.5	1.2	22	0.1	0.2	0.2	69	0.23	0.051
119707	Soil		0.5	122.4	3.1	53	<0.1	11.1	13.6	263	2.97	4.3	0.8	0.9	3.3	8	<0.1	0.2	<0.1	101	0.23	0.080
119708	Soil		0.8	20.9	8.6	40	<0.1	13.1	6.4	157	2.82	7.1	0.5	3.1	2.3	10	<0.1	0.4	0.2	72	0.11	0.029
119709	Soil		0.9	100.2	6.9	80	<0.1	32.4	19.5	1117	3.26	6.3	0.5	3.4	2.6	14	0.2	0.4	0.1	79	0.21	0.062
119710	Soil		0.7	48.0	9.2	88	0.2	88.2	14.0	540	2.93	7.0	1.0	10.1	3.3	24	0.2	0.3	0.2	79	0.37	0.091
119711	Soil		1.3	20.7	11.0	63	0.2	25.7	10.7	334	3.28	8.5	1.1	3.4	5.7	18	<0.1	0.5	0.2	67	0.17	0.043
119712	Soil		1.6	41.6	9.0	73	0.3	24.0	7.7	252	3.76	7.7	1.0	1.5	3.6	23	0.1	0.4	0.2	67	0.16	0.057
119713	Soil		1.6	42.5	10.8	85	0.2	44.1	14.3	390	3.29	11.2	1.7	3.5	5.1	19	0.1	0.6	0.2	79	0.19	0.045
119714	Soil		1.3	30.6	10.3	68	0.2	27.2	13.0	340	3.16	11.6	0.7	2.1	4.6	16	0.2	0.6	0.2	61	0.19	0.035
119715	Soil		0.6	22.0	9.2	58	0.2	145.9	14.7	292	2.62	10.0	0.6	2.9	2.3	24	0.2	0.4	0.2	57	1.01	0.055
119716	Soil		1.6	34.1	10.9	91	0.4	69.6	14.2	468	3.67	7.1	0.7	1.6	4.8	66	0.2	0.4	0.2	88	0.29	0.021
119717	Soil		1.0	36.2	10.1	61	0.1	34.1	12.3	186	2.91	4.3	1.3	3.2	7.6	52	<0.1	0.3	0.2	54	0.31	0.036
119718	Soil		1.0	33.1	7.2	56	0.2	28.0	8.8	201	2.65	6.6	1.3	1.2	6.3	34	<0.1	0.3	0.1	56	0.19	0.025
119719	Soil		1.1	21.9	9.7	38	0.3	20.2	6.4	116	2.30	4.2	0.9	1.1	3.9	28	<0.1	0.2	0.2	54	0.20	0.037
119720	Soil		1.2	28.1	10.3	47	0.7	28.2	9.2	142	2.90	6.1	1.2	2.7	6.0	34	<0.1	0.3	0.2	53	0.17	0.029
119721	Soil		1.1	32.7	9.3	59	0.3	27.5	9.5	205	2.68	4.7	1.4	3.4	6.5	36	<0.1	0.3	0.2	52	0.22	0.028
119722	Soil		1.4	21.6	9.4	45	0.2	18.4	6.5	156	2.52	4.7	1.1	1.2	5.2	37	<0.1	0.2	0.2	53	0.20	0.030
119723	Soil		1.1	31.2	8.4	57	0.4	23.7	8.0	208	2.47	2.8	1.4	1.0	5.0	62	<0.1	0.2	0.2	50	0.39	0.041
119724	Soil		1.3	37.2	6.9	73	0.4	30.8	8.1	175	2.79	2.3	1.5	1.2	6.3	50	<0.1	0.1	0.2	51	0.26	0.044
119725	Soil		1.1	29.8	7.7	52	0.4	22.5	6.0	138	2.13	3.8	1.6	1.1	3.4	29	0.1	0.2	0.2	43	0.29	0.041
119726	Soil		1.0	21.4	9.0	54	0.3	23.0	5.1	114	1.98	2.6	1.4	1.3	3.8	35	<0.1	0.1	0.1	40	0.26	0.037
119727	Soil		0.9	29.5	7.4	75	0.1	35.8	7.1	201	2.59	2.2	1.2	1.4	5.7	28	<0.1	0.2	0.1	51	0.23	0.036
119728	Soil		1.0	22.4	8.1	63	0.2	25.2	6.7	167	2.50	4.1	1.0	3.0	4.5	23	<0.1	0.2	0.1	53	0.17	0.034
119729	Soil		1.2	23.6	9.7	70	0.2	30.2	8.6	220	2.85	5.0	0.9	5.2	4.3	19	0.2	0.3	0.2	64	0.18	0.043
121530	Soil		2.8	43.7	3.0	85	<0.1	13.4	22.5	898	5.47	2.7	0.7	<0.5	9.6	18	<0.1	0.2	<0.1	116	0.42	0.106
121531	Soil		0.9	28.6	8.4	63	<0.1	20.7	11.7	415	3.14	6.7	0.8	2.4	5.0	39	<0.1	0.5	0.1	71	0.43	0.077
121532	Soil		0.6	30.0	6.0	85	<0.1	17.3	19.8	739	4.50	5.1	0.7	1.6	6.8	32	<0.1	0.3	<0.1	97	0.63	0.095

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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: **Taku Gold Corp**  
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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
119703	Soil	7	20	0.41	166	0.057	2	1.47	0.014	0.09	<0.1	0.03	2.4	<0.1	0.06	5	<0.5	<0.2
119704	Soil	6	20	0.49	183	0.090	1	1.41	0.017	0.12	<0.1	0.03	2.5	<0.1	0.07	4	<0.5	<0.2
119705	Soil	10	21	0.42	160	0.065	<1	1.43	0.011	0.07	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
119706	Soil	12	20	0.30	182	0.073	1	1.44	0.012	0.05	<0.1	0.03	3.1	<0.1	<0.05	6	<0.5	<0.2
119707	Soil	13	18	0.67	228	0.187	2	1.67	0.009	0.48	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	0.2
119708	Soil	9	25	0.46	100	0.082	1	1.75	0.007	0.05	0.1	0.03	2.3	<0.1	<0.05	7	<0.5	<0.2
119709	Soil	8	52	0.96	2873	0.110	1	2.26	0.011	0.23	0.1	0.01	6.3	0.1	<0.05	8	<0.5	<0.2
119710	Soil	15	155	1.18	900	0.106	1	2.42	0.011	0.07	0.2	0.03	4.8	0.2	<0.05	8	<0.5	<0.2
119711	Soil	19	37	0.68	220	0.078	<1	2.10	0.009	0.09	0.2	0.02	3.4	0.1	<0.05	7	0.5	<0.2
119712	Soil	13	39	0.73	301	0.098	1	1.91	0.016	0.42	0.1	0.01	3.7	0.3	0.22	6	0.9	<0.2
119713	Soil	19	49	0.70	237	0.074	1	2.33	0.014	0.07	0.1	0.07	6.9	0.1	<0.05	6	0.8	<0.2
119714	Soil	10	37	0.68	264	0.100	2	2.22	0.011	0.18	0.2	0.03	3.4	0.2	0.07	6	0.5	<0.2
119715	Soil	13	82	1.05	255	0.044	1	1.93	0.015	0.04	0.1	0.05	4.1	<0.1	<0.05	6	<0.5	<0.2
119716	Soil	10	73	0.91	314	0.157	<1	3.19	0.011	0.31	0.2	0.03	5.3	0.3	<0.05	10	0.8	<0.2
119717	Soil	22	34	0.68	328	0.090	<1	2.51	0.019	0.29	<0.1	0.02	3.4	0.3	<0.05	6	0.8	<0.2
119718	Soil	19	31	0.66	299	0.091	<1	1.83	0.012	0.25	<0.1	0.03	3.4	0.2	0.10	5	<0.5	<0.2
119719	Soil	17	33	0.50	264	0.101	<1	1.56	0.011	0.24	0.1	0.03	2.3	0.2	0.06	6	0.8	<0.2
119720	Soil	17	28	0.52	208	0.083	<1	2.07	0.012	0.18	0.1	0.05	2.9	0.2	<0.05	6	0.7	<0.2
119721	Soil	19	29	0.64	295	0.098	<1	1.96	0.013	0.22	<0.1	0.02	3.2	0.2	<0.05	5	0.9	<0.2
119722	Soil	17	26	0.56	225	0.094	1	1.74	0.011	0.23	0.1	0.02	2.7	0.2	<0.05	6	0.9	<0.2
119723	Soil	19	25	0.66	468	0.088	<1	1.79	0.012	0.26	<0.1	0.02	3.0	0.2	0.06	5	0.8	<0.2
119724	Soil	21	28	0.78	412	0.105	<1	1.85	0.013	0.44	<0.1	0.01	2.9	0.3	0.09	5	1.6	<0.2
119725	Soil	15	25	0.57	334	0.076	<1	1.56	0.010	0.13	<0.1	0.03	2.8	0.2	<0.05	5	1.0	<0.2
119726	Soil	17	27	0.57	262	0.084	<1	1.64	0.008	0.17	<0.1	0.03	2.6	0.2	<0.05	5	0.8	<0.2
119727	Soil	18	32	0.74	338	0.114	<1	2.02	0.011	0.43	<0.1	<0.01	3.3	0.3	<0.05	6	0.9	<0.2
119728	Soil	15	30	0.59	220	0.098	<1	1.75	0.008	0.17	<0.1	0.03	2.8	0.1	<0.05	5	0.8	<0.2
119729	Soil	15	37	0.63	332	0.112	<1	1.89	0.008	0.19	0.2	0.02	3.2	0.2	<0.05	6	<0.5	<0.2
121530	Soil	10	22	1.70	267	0.251	<1	3.43	0.013	1.24	<0.1	0.01	3.7	0.3	<0.05	8	0.6	<0.2
121531	Soil	17	29	0.82	431	0.136	1	1.90	0.017	0.25	0.1	0.03	4.4	0.1	<0.05	6	<0.5	<0.2
121532	Soil	18	25	1.48	371	0.204	<1	2.68	0.019	0.29	0.1	0.02	5.4	0.1	<0.05	8	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

WHI11000625.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
121533	Soil	0.6	28.5	3.6	91	<0.1	8.8	22.8	1025	5.78	2.6	0.4	<0.5	9.8	21	<0.1	0.1	<0.1	117	0.33	0.058
121534	Soil	0.8	27.1	7.9	61	<0.1	22.9	11.1	370	2.85	7.4	0.7	2.1	5.1	24	<0.1	0.5	0.1	63	0.33	0.053
121535	Soil	0.7	25.8	7.0	67	<0.1	20.0	14.6	559	3.68	7.1	0.7	5.3	11.4	27	<0.1	0.4	<0.1	77	0.36	0.050
121536	Soil	0.9	19.5	9.7	48	<0.1	19.1	8.8	262	2.67	9.0	1.3	2.2	8.5	21	<0.1	0.4	0.2	52	0.28	0.038
121537	Soil	0.9	36.9	8.2	78	<0.1	34.9	16.7	406	4.24	15.8	1.5	1.0	10.8	20	<0.1	0.4	0.2	73	0.17	0.023
121538	Soil	1.2	32.5	11.7	70	<0.1	37.6	14.6	373	4.04	10.4	1.2	<0.5	12.5	15	<0.1	0.4	0.2	61	0.17	0.026
121539	Soil	1.0	29.3	9.4	94	<0.1	41.5	16.9	522	5.52	7.3	1.5	<0.5	14.6	10	<0.1	0.2	0.2	71	0.18	0.053
121540	Soil	0.8	26.9	7.5	95	<0.1	41.9	15.9	492	5.49	6.7	1.4	<0.5	13.1	10	<0.1	0.2	0.2	71	0.16	0.066
121541	Soil	1.0	23.3	8.5	64	<0.1	22.7	12.3	358	3.35	7.1	1.5	1.4	11.7	20	<0.1	0.4	0.1	62	0.24	0.026
121542	Soil	1.2	29.4	8.2	54	<0.1	22.0	11.6	352	3.10	8.2	1.6	1.8	8.9	23	<0.1	0.5	0.2	63	0.30	0.021
121543	Soil	0.8	48.6	8.5	75	<0.1	36.0	10.4	419	2.66	7.1	0.8	1.3	3.6	16	<0.1	0.4	0.2	55	0.12	0.031
121544	Soil	2.0	41.8	4.2	50	0.8	14.0	3.8	133	2.37	1.9	0.6	2.0	1.6	25	<0.1	0.2	0.2	36	0.16	0.024
121545	Soil	1.4	43.0	7.0	60	0.4	14.4	4.1	233	2.52	3.2	0.9	2.3	2.0	29	<0.1	0.2	0.2	43	0.16	0.031
121546	Soil	0.9	42.4	5.6	61	0.2	21.7	6.5	338	2.05	4.5	1.0	2.7	2.8	21	0.1	0.3	0.1	47	0.14	0.035
121547	Soil	0.8	34.8	7.0	58	<0.1	24.2	7.7	332	2.26	6.1	0.8	2.8	3.5	20	<0.1	0.4	0.1	51	0.19	0.028
121548	Soil	0.7	55.3	7.2	85	0.1	30.8	10.7	385	2.80	5.2	0.6	3.5	3.0	14	<0.1	0.3	0.1	61	0.10	0.027
121549	Soil	0.8	44.8	5.6	91	<0.1	40.0	9.1	581	2.16	1.5	0.6	1.8	2.1	12	<0.1	<0.1	0.1	42	0.09	0.016
121550	Soil	1.1	40.4	5.7	73	<0.1	46.5	8.8	407	2.34	6.1	0.5	1.3	2.2	13	0.1	0.3	0.1	57	0.12	0.018
121551	Soil	1.9	54.9	4.7	101	<0.1	58.5	9.0	742	2.28	2.8	0.5	1.3	1.9	16	<0.1	0.1	0.1	60	0.10	0.021
121552	Soil	0.9	52.0	6.4	87	0.1	47.4	12.3	376	2.45	4.6	0.4	1.5	1.9	19	<0.1	0.3	0.1	70	0.14	0.022
121553	Soil	0.8	47.4	4.2	65	0.3	15.7	3.1	223	1.96	0.9	0.6	1.8	2.0	23	<0.1	<0.1	0.1	45	0.13	0.021
121554	Soil	0.6	51.0	4.1	49	0.1	12.5	3.3	188	1.68	0.7	0.6	1.3	2.1	15	<0.1	<0.1	0.2	35	0.11	0.017
121555	Soil	0.6	50.7	5.5	98	<0.1	62.8	10.3	381	1.73	2.7	0.8	5.3	2.7	11	<0.1	<0.1	0.2	50	0.09	0.012
121556	Soil	1.1	54.4	6.0	79	0.3	131.8	15.5	476	3.16	22.0	0.5	1.7	2.7	54	0.2	0.2	0.1	90	0.20	0.041
121557	Soil	0.8	48.9	3.7	75	<0.1	31.9	7.6	393	2.05	2.5	0.7	3.0	2.2	18	<0.1	0.2	0.1	50	0.21	0.034
121558	Soil	1.3	36.0	8.1	67	0.2	50.7	9.8	276	2.62	8.9	1.0	2.7	3.7	29	<0.1	0.4	0.2	69	0.28	0.032
121559	Soil	1.7	55.7	8.7	129	0.2	68.1	10.7	398	3.20	4.7	1.8	4.2	5.3	53	<0.1	0.3	0.2	120	0.40	0.060
121560	Soil	1.9	80.5	7.4	112	<0.1	46.0	9.0	397	2.91	1.4	1.7	2.4	5.9	16	0.1	0.2	0.1	64	0.24	0.044
121561	Soil	1.5	24.8	10.4	62	0.3	24.3	8.3	247	2.93	8.2	0.8	2.1	4.0	14	0.2	0.3	0.2	84	0.11	0.051
121562	Soil	1.5	42.8	8.9	257	0.2	106.1	12.7	394	2.91	7.1	1.1	3.6	5.1	21	0.6	0.4	0.2	63	0.71	0.038

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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:** Taku Gold Corp  
680 3rd Ave, Suite 203  
Val D'Or QC J9P 1S5 Canada

**Project:** DAN  
**Report Date:** August 07, 2011

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# CERTIFICATE OF ANALYSIS

WHI11000625.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
121533	Soil	18	14	1.90	270	0.292	<1	3.59	0.007	1.62	0.1	<0.01	3.3	0.5	<0.05	10	<0.5	<0.2
121534	Soil	16	31	0.71	253	0.113	<1	1.73	0.015	0.18	0.1	0.02	4.0	0.1	<0.05	5	<0.5	<0.2
121535	Soil	44	27	1.09	272	0.160	<1	2.21	0.011	0.42	0.1	0.01	4.1	0.2	<0.05	6	0.7	<0.2
121536	Soil	28	29	0.50	227	0.084	1	1.61	0.011	0.13	0.1	0.04	4.1	0.1	<0.05	5	0.6	<0.2
121537	Soil	19	74	1.05	264	0.215	<1	3.05	0.010	0.60	0.1	0.02	6.8	0.3	<0.05	9	<0.5	<0.2
121538	Soil	31	50	0.79	165	0.144	<1	2.49	0.008	0.37	<0.1	0.02	4.9	0.3	<0.05	9	0.6	<0.2
121539	Soil	33	68	1.13	141	0.272	<1	3.00	0.007	1.21	<0.1	<0.01	7.3	0.7	<0.05	12	<0.5	<0.2
121540	Soil	23	66	1.13	125	0.336	1	2.95	0.006	1.34	<0.1	<0.01	7.2	0.7	<0.05	12	<0.5	<0.2
121541	Soil	42	41	0.76	217	0.153	<1	2.03	0.012	0.29	0.1	0.02	4.9	0.2	<0.05	7	0.6	<0.2
121542	Soil	28	39	0.66	246	0.127	<1	1.83	0.012	0.16	0.1	0.04	5.9	0.1	<0.05	6	<0.5	<0.2
121543	Soil	13	29	0.90	442	0.092	1	2.06	0.009	0.18	0.1	0.01	3.6	0.2	<0.05	6	0.7	<0.2
121544	Soil	8	24	0.93	416	0.047	1	1.40	0.018	0.25	<0.1	<0.01	2.2	0.2	0.24	4	2.6	<0.2
121545	Soil	15	22	1.02	724	0.059	1	1.70	0.016	0.27	<0.1	<0.01	3.4	0.2	0.16	4	2.1	<0.2
121546	Soil	11	28	0.74	472	0.082	2	1.34	0.009	0.15	0.1	<0.01	3.9	0.1	<0.05	4	1.0	<0.2
121547	Soil	12	30	0.66	424	0.079	1	1.48	0.009	0.07	0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
121548	Soil	11	36	1.12	645	0.114	<1	2.24	0.011	0.25	<0.1	<0.01	3.9	0.2	<0.05	6	<0.5	<0.2
121549	Soil	9	15	1.67	740	0.113	<1	2.39	0.011	0.41	<0.1	<0.01	3.2	0.2	<0.05	7	0.5	<0.2
121550	Soil	7	24	1.27	492	0.104	1	2.49	0.008	0.17	0.1	0.02	4.6	0.1	<0.05	7	<0.5	<0.2
121551	Soil	8	17	1.64	855	0.124	2	2.64	0.012	0.35	<0.1	<0.01	6.2	0.1	<0.05	8	0.6	<0.2
121552	Soil	6	29	1.02	1097	0.118	<1	2.04	0.010	0.30	0.1	<0.01	4.4	0.1	<0.05	7	0.6	<0.2
121553	Soil	9	25	1.07	867	0.088	<1	1.55	0.012	0.33	<0.1	<0.01	3.5	0.2	0.10	5	1.4	<0.2
121554	Soil	9	23	0.88	563	0.072	1	1.43	0.008	0.26	<0.1	<0.01	2.5	0.2	<0.05	4	0.9	<0.2
121555	Soil	11	24	0.99	561	0.095	<1	1.73	0.005	0.25	<0.1	<0.01	4.2	0.2	<0.05	6	<0.5	<0.2
121556	Soil	9	68	1.14	506	0.155	<1	2.37	0.012	0.25	<0.1	<0.01	4.4	0.2	<0.05	7	0.7	<0.2
121557	Soil	8	26	1.17	1329	0.103	<1	1.67	0.019	0.48	<0.1	0.01	4.7	0.2	<0.05	6	1.0	<0.2
121558	Soil	13	67	0.87	357	0.094	<1	1.82	0.010	0.08	<0.1	0.01	4.7	<0.1	<0.05	6	<0.5	<0.2
121559	Soil	22	120	1.28	636	0.152	<1	2.37	0.013	0.32	0.1	0.03	7.0	0.3	<0.05	8	1.3	<0.2
121560	Soil	19	41	0.89	352	0.098	<1	1.57	0.006	0.30	<0.1	<0.01	3.2	0.2	<0.05	6	1.1	<0.2
121561	Soil	11	44	0.52	204	0.078	1	1.80	0.007	0.10	0.1	0.01	3.2	0.1	<0.05	7	<0.5	<0.2
121562	Soil	18	78	0.72	296	0.066	<1	1.78	0.011	0.05	0.1	0.05	6.9	<0.1	<0.05	6	<0.5	<0.2



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 1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
121563	Soil	0.6	24.1	18.4	102	0.2	47.4	10.9	952	2.55	7.9	0.9	3.0	3.8	42	0.6	0.2	0.2	53	3.51	0.078
121564	Soil	0.6	29.4	12.8	64	<0.1	24.1	8.7	324	3.26	3.3	1.2	0.7	10.4	10	<0.1	0.2	0.2	48	0.22	0.018
121565	Soil	0.3	31.8	6.4	60	<0.1	20.6	10.0	266	3.24	2.0	1.3	0.9	15.0	15	<0.1	0.1	0.2	50	0.15	0.021
121566	Soil	0.6	15.9	10.2	81	<0.1	163.5	18.6	402	3.47	2.1	0.6	0.8	8.1	28	<0.1	<0.1	0.2	68	0.34	0.024
121567	Soil	0.6	73.9	10.3	57	<0.1	83.1	13.7	256	3.52	1.6	2.6	1.3	15.3	27	<0.1	<0.1	0.2	49	0.43	0.047
121568	Soil	0.6	26.1	25.5	49	0.1	90.3	13.1	528	2.55	4.8	1.4	5.3	9.7	83	0.2	0.2	0.2	49	2.44	0.034
121569	Soil	0.7	39.6	11.9	67	0.2	33.0	11.0	357	3.03	3.8	1.7	3.6	16.0	35	0.1	0.2	0.2	42	0.58	0.047
121570	Soil	1.3	48.3	4.7	60	<0.1	15.8	7.2	235	2.67	2.0	0.9	<0.5	4.3	96	<0.1	0.1	<0.1	55	0.49	0.044
121571	Soil	0.8	45.8	3.4	53	<0.1	12.0	5.2	205	2.40	1.1	0.7	1.5	2.7	82	<0.1	<0.1	0.1	55	0.36	0.032
121572	Soil	0.8	36.4	11.6	63	<0.1	31.1	11.7	338	3.01	5.3	1.1	2.8	9.2	43	<0.1	0.3	0.2	56	0.42	0.028
115603	Soil	0.2	92.3	1.9	33	<0.1	10.7	10.2	242	2.10	<0.5	0.3	<0.5	1.2	70	<0.1	<0.1	<0.1	63	0.62	0.066
115604	Soil	0.6	69.0	5.4	43	<0.1	14.6	7.3	219	1.87	4.6	0.5	1.2	0.7	26	0.1	0.3	<0.1	51	0.34	0.074
115605	Soil	0.4	67.9	3.0	44	<0.1	12.1	9.1	268	1.96	2.1	0.3	0.8	1.3	34	<0.1	0.2	<0.1	54	0.43	0.075
115606	Soil	0.5	54.8	6.8	44	0.1	13.1	6.3	135	1.91	4.4	0.7	3.2	1.1	20	<0.1	0.2	0.1	50	0.26	0.048
115607	Soil	0.6	37.2	7.4	40	<0.1	12.5	6.0	150	2.09	5.1	0.6	3.3	0.7	20	0.1	0.2	0.1	52	0.21	0.048
115608	Soil	0.2	88.4	1.3	55	<0.1	11.4	13.2	169	2.62	0.7	0.3	<0.5	1.2	27	<0.1	<0.1	<0.1	79	0.30	0.070
115609	Soil	0.4	69.1	5.7	50	<0.1	21.7	11.0	265	2.49	7.5	0.6	3.3	3.4	15	<0.1	0.4	0.1	61	0.23	0.055
115610	Soil	0.7	115.0	5.6	87	<0.1	23.9	19.0	1247	3.00	5.1	0.6	6.7	2.7	31	0.3	0.5	0.1	71	0.29	0.073
115611	Soil	0.8	31.9	10.1	53	0.1	28.7	9.8	395	2.44	8.2	1.0	5.0	2.9	26	<0.1	0.4	0.2	58	0.38	0.057
115612	Soil	2.2	25.4	10.5	65	0.1	25.5	7.1	253	3.38	7.8	0.7	1.4	1.1	15	0.2	0.5	0.2	65	0.09	0.056
115613	Soil	1.8	26.5	10.7	55	0.2	22.6	9.4	321	2.77	8.8	1.4	3.4	3.0	26	0.2	0.5	0.2	66	0.22	0.080
115614	Soil	1.3	64.2	7.2	114	0.3	10.8	3.9	404	3.76	3.7	1.2	1.0	4.9	22	<0.1	0.2	0.1	68	0.11	0.028
115615	Soil	0.7	21.6	13.4	84	0.1	25.8	9.6	516	2.58	9.0	0.7	0.7	1.6	36	0.7	0.5	0.2	60	1.88	0.049
115616	Soil	1.1	18.0	10.9	61	<0.1	26.4	11.3	258	3.04	10.0	0.7	2.8	5.7	24	0.1	0.6	0.2	61	0.13	0.023
115617	Soil	0.8	24.9	10.6	53	<0.1	26.9	10.1	389	2.58	9.1	0.9	1.9	6.1	32	0.1	0.6	0.2	51	0.44	0.060
115618	Soil	1.2	26.4	11.3	73	0.1	33.0	12.5	345	3.43	5.5	1.2	0.5	7.8	38	0.2	0.3	0.2	58	0.24	0.051
115619	Soil	1.1	25.9	10.6	58	0.2	25.0	8.5	197	2.54	4.7	1.4	1.8	6.5	36	0.1	0.3	0.2	53	0.20	0.025
115620	Soil	1.3	31.1	10.2	44	0.3	25.1	9.5	152	3.27	5.2	1.0	<0.5	7.5	31	0.3	0.2	0.2	59	0.11	0.046
115621	Soil	1.5	25.4	8.7	45	0.4	22.1	7.0	164	2.40	3.8	1.4	1.4	5.3	34	0.2	0.2	0.2	51	0.17	0.027
115622	Soil	1.7	37.7	10.2	46	0.6	28.0	7.6	147	2.86	4.1	3.4	<0.5	7.1	47	0.1	0.2	0.2	54	0.18	0.040

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
121563	Soil	24	41	0.93	530	0.055	2	2.50	0.026	0.05	0.1	0.05	6.3	0.1	<0.05	6	<0.5	<0.2
121564	Soil	23	32	0.77	237	0.183	<1	2.30	0.005	0.29	<0.1	<0.01	3.1	0.2	<0.05	7	<0.5	<0.2
121565	Soil	22	43	0.94	138	0.230	<1	2.42	0.007	0.74	0.2	<0.01	5.9	0.4	<0.05	10	<0.5	<0.2
121566	Soil	26	234	1.87	496	0.214	<1	4.29	0.018	0.95	0.2	<0.01	7.3	0.6	<0.05	12	<0.5	<0.2
121567	Soil	128	109	1.49	180	0.169	1	2.64	0.018	0.64	<0.1	<0.01	6.5	0.5	<0.05	9	<0.5	<0.2
121568	Soil	33	114	1.90	193	0.110	<1	2.25	0.022	0.14	<0.1	0.03	5.6	0.2	<0.05	7	<0.5	<0.2
121569	Soil	40	34	1.05	331	0.142	1	2.40	0.015	0.54	<0.1	0.02	5.3	0.4	<0.05	7	0.5	<0.2
121570	Soil	13	21	1.16	566	0.141	<1	2.13	0.012	0.47	<0.1	<0.01	5.1	0.2	<0.05	6	<0.5	<0.2
121571	Soil	11	18	1.17	531	0.125	<1	1.92	0.016	0.49	<0.1	<0.01	5.9	0.2	<0.05	6	0.6	<0.2
121572	Soil	37	38	0.66	274	0.160	1	2.03	0.016	0.41	0.1	0.03	5.1	0.2	<0.05	6	<0.5	<0.2
115603	Soil	9	17	0.71	276	0.066	1	1.97	0.033	0.22	<0.1	<0.01	4.6	<0.1	<0.05	5	<0.5	<0.2
115604	Soil	8	21	0.44	176	0.057	1	1.26	0.014	0.08	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
115605	Soil	5	16	0.54	179	0.107	1	1.33	0.016	0.19	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
115606	Soil	10	24	0.46	148	0.063	2	1.50	0.011	0.06	0.1	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
115607	Soil	10	23	0.40	145	0.048	2	1.47	0.010	0.05	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
115608	Soil	6	23	1.10	164	0.157	<1	1.69	0.013	0.65	<0.1	<0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
115609	Soil	11	23	0.61	212	0.110	1	1.77	0.012	0.17	0.1	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
115610	Soil	10	22	0.84	956	0.128	1	1.83	0.011	0.27	0.1	<0.01	5.0	0.1	<0.05	7	<0.5	<0.2
115611	Soil	14	41	0.56	482	0.059	2	1.81	0.015	0.05	0.2	0.03	3.0	0.1	<0.05	6	<0.5	<0.2
115612	Soil	12	39	0.42	166	0.046	1	1.49	0.008	0.11	0.1	0.03	1.5	0.1	0.08	5	0.8	<0.2
115613	Soil	15	35	0.49	311	0.060	2	1.93	0.012	0.06	0.2	0.03	3.6	0.1	<0.05	6	1.3	<0.2
115614	Soil	21	40	1.55	404	0.192	1	2.49	0.017	0.93	<0.1	0.01	3.6	0.5	0.27	8	2.4	0.2
115615	Soil	15	32	0.60	249	0.043	2	1.84	0.015	0.04	0.1	0.06	3.1	<0.1	<0.05	5	0.7	<0.2
115616	Soil	10	34	0.53	199	0.084	1	2.26	0.014	0.12	0.1	0.02	2.7	0.1	<0.05	6	0.7	<0.2
115617	Soil	20	33	0.56	233	0.087	<1	1.66	0.013	0.08	0.2	0.02	3.7	0.1	<0.05	5	0.8	<0.2
115618	Soil	19	36	0.66	238	0.162	<1	2.51	0.013	0.48	0.1	0.02	2.9	0.3	<0.05	7	0.8	<0.2
115619	Soil	18	33	0.60	261	0.094	1	2.03	0.013	0.17	0.1	<0.01	2.9	0.2	<0.05	5	1.0	<0.2
115620	Soil	26	29	0.67	286	0.116	<1	2.18	0.019	0.44	0.1	0.01	2.7	0.3	0.12	6	1.1	<0.2
115621	Soil	18	25	0.55	230	0.096	<1	1.74	0.012	0.29	0.1	<0.01	2.4	0.2	<0.05	5	1.4	<0.2
115622	Soil	31	28	0.57	293	0.097	<1	2.14	0.016	0.30	0.1	0.02	3.0	0.2	0.07	6	0.8	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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		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
115623	Soil	1.2	28.6	9.8	53	0.3	27.1	8.1	187	2.67	3.8	1.5	1.3	4.9	52	0.3	0.2	0.2	51	0.24	0.039
115624	Soil	1.0	22.6	8.7	52	0.2	23.5	7.5	176	2.54	4.2	1.0	2.0	5.5	42	0.1	0.2	0.1	50	0.19	0.031
115625	Soil	1.6	24.6	7.0	52	0.3	23.1	6.7	353	1.94	3.6	1.0	<0.5	2.8	28	<0.1	0.2	0.1	42	0.27	0.027
115626	Soil	1.0	25.7	6.7	53	0.3	21.4	5.9	175	2.11	3.2	1.1	<0.5	3.9	35	0.1	0.2	0.1	42	0.26	0.033
115627	Soil	1.7	26.8	8.3	77	0.3	25.8	6.4	236	2.63	3.6	1.2	<0.5	4.6	35	<0.1	0.2	0.2	54	0.20	0.041
115628	Soil	0.9	23.8	7.6	70	0.1	25.5	6.8	174	2.68	1.8	0.8	<0.5	4.9	8	0.2	0.2	0.2	48	0.12	0.042
120577	Soil	0.9	37.2	10.0	62	<0.1	32.4	11.1	328	3.08	5.4	1.0	2.7	4.5	35	0.1	0.4	0.2	68	0.36	0.038
120578	Soil	0.4	23.7	11.5	62	<0.1	22.6	8.3	252	2.45	3.2	1.3	0.7	8.8	33	0.1	0.4	0.2	41	0.39	0.060
120579	Soil	0.4	24.3	11.5	64	<0.1	26.8	10.9	309	3.03	4.5	1.5	0.7	9.6	53	0.1	0.3	0.2	51	0.37	0.043
120580	Soil	0.4	23.3	9.4	64	<0.1	26.3	11.3	318	2.94	5.1	1.5	1.7	9.1	27	0.1	0.4	0.2	49	0.21	0.031
120581	Soil	0.7	15.4	13.2	58	<0.1	19.0	8.3	301	2.66	4.0	1.0	1.3	8.1	22	<0.1	0.2	0.2	46	0.26	0.036
120582	Soil	0.7	20.4	10.7	63	<0.1	24.4	9.4	316	2.74	5.3	1.3	2.1	7.5	29	0.1	0.4	0.2	45	0.35	0.044
120583	Soil	0.5	19.5	9.5	56	<0.1	19.0	8.1	229	2.20	4.5	1.2	<0.5	6.4	24	0.2	0.3	0.2	40	0.27	0.054
120584	Soil	0.6	20.8	10.2	54	<0.1	19.4	7.2	203	2.31	5.3	1.5	1.6	6.5	25	<0.1	0.3	0.2	40	0.27	0.046
120585	Soil	0.4	31.0	12.6	87	<0.1	35.4	15.5	544	4.23	4.4	0.8	<0.5	13.6	56	<0.1	0.2	0.2	50	0.20	0.023
120586	Soil	0.9	13.2	12.4	44	<0.1	16.1	7.7	261	2.84	6.3	0.6	0.6	4.9	19	<0.1	0.4	0.2	60	0.16	0.024
120587	Soil	0.3	65.3	6.7	62	0.1	17.6	8.1	407	2.54	1.1	0.5	<0.5	4.5	43	<0.1	<0.1	<0.1	56	0.68	0.052
120588	Soil	0.8	159.0	6.7	76	<0.1	17.2	17.5	305	3.66	3.3	1.0	<0.5	3.4	27	0.2	0.2	0.1	133	0.36	0.099
120589	Soil	0.7	52.9	10.6	72	<0.1	37.5	13.7	539	2.68	7.2	0.8	4.8	5.0	25	0.2	0.6	0.2	53	0.20	0.022
120590	Soil	0.9	48.5	10.2	72	<0.1	33.9	12.8	511	3.13	10.2	1.1	5.7	5.0	33	0.1	0.7	0.2	66	0.30	0.032
120591	Soil	0.4	112.6	4.8	68	<0.1	15.9	12.1	337	3.49	4.2	0.4	<0.5	2.5	19	<0.1	0.2	0.1	91	0.15	0.031
120592	Soil	0.5	92.4	3.0	61	<0.1	10.4	10.0	328	3.22	1.7	0.8	<0.5	2.9	61	<0.1	0.1	<0.1	83	0.15	0.048
120593	Soil	0.2	112.0	1.4	48	<0.1	9.3	11.3	246	2.89	0.9	0.4	<0.5	1.9	7	<0.1	<0.1	<0.1	79	0.16	0.057
120594	Soil	0.5	22.1	10.6	63	<0.1	23.0	11.0	361	2.98	4.6	1.0	0.8	9.3	45	<0.1	0.2	0.2	49	0.27	0.034
120595	Soil	0.6	19.8	11.4	61	<0.1	20.9	9.7	307	3.11	5.1	1.1	2.1	8.5	28	0.1	0.3	0.2	49	0.21	0.027
120596	Soil	0.6	18.6	12.2	72	<0.1	27.5	11.5	344	3.53	5.7	1.1	1.8	8.4	44	<0.1	0.3	0.3	51	0.30	0.103
120597	Soil	0.8	39.4	18.2	120	<0.1	60.7	21.4	992	5.37	2.6	1.9	0.5	10.9	197	0.2	0.2	0.2	98	1.04	0.316
120598	Soil	0.8	16.8	11.4	61	<0.1	22.4	9.4	286	3.19	7.6	1.0	0.5	7.2	22	<0.1	0.4	0.2	55	0.17	0.035
120599	Soil	0.2	8.5	14.9	169	<0.1	48.0	24.9	1273	8.45	1.5	2.5	<0.5	9.4	533	0.2	<0.1	<0.1	65	3.59	0.927
120600	Soil	0.4	17.0	4.7	61	<0.1	20.3	8.0	471	1.74	3.4	0.7	<0.5	2.9	24	0.2	0.2	<0.1	34	0.48	0.060

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Taku Gold Corp**  
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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
115623	Soil	20	26	0.62	278	0.092	1	1.96	0.013	0.32	<0.1	0.01	2.6	0.2	<0.05	5	1.4	<0.2
115624	Soil	18	27	0.66	236	0.100	<1	1.88	0.013	0.28	0.1	<0.01	2.5	0.2	<0.05	5	1.2	<0.2
115625	Soil	10	21	0.57	422	0.062	<1	1.38	0.009	0.07	0.1	<0.01	2.0	0.1	<0.05	4	0.7	<0.2
115626	Soil	14	22	0.59	331	0.076	<1	1.51	0.011	0.19	<0.1	<0.01	2.1	0.2	0.06	5	1.2	<0.2
115627	Soil	16	28	0.64	298	0.096	<1	1.73	0.011	0.26	0.1	0.02	2.3	0.2	0.09	5	1.9	<0.2
115628	Soil	15	29	0.60	240	0.108	<1	1.53	0.007	0.45	<0.1	<0.01	2.5	0.3	<0.05	4	<0.5	<0.2
120577	Soil	14	65	0.98	141	0.114	<1	2.12	0.015	0.08	0.1	<0.01	3.9	<0.1	<0.05	7	<0.5	<0.2
120578	Soil	30	29	0.58	168	0.136	2	1.72	0.015	0.32	0.1	0.01	3.5	0.3	<0.05	6	1.0	<0.2
120579	Soil	32	37	0.69	188	0.166	2	2.42	0.023	0.42	0.1	<0.01	4.6	0.4	<0.05	8	0.9	<0.2
120580	Soil	33	35	0.69	181	0.166	1	2.06	0.012	0.34	0.1	0.03	3.9	0.4	<0.05	7	0.6	<0.2
120581	Soil	20	30	0.64	140	0.128	2	1.85	0.008	0.15	0.2	<0.01	2.9	0.2	<0.05	7	0.8	<0.2
120582	Soil	23	31	0.60	170	0.136	<1	2.02	0.012	0.27	0.1	0.02	3.2	0.2	<0.05	6	0.6	<0.2
120583	Soil	20	26	0.54	189	0.099	7	1.59	0.012	0.14	0.2	0.02	2.5	0.2	<0.05	5	0.8	<0.2
120584	Soil	22	27	0.55	201	0.087	<1	1.58	0.010	0.16	0.1	0.03	3.0	0.2	<0.05	5	0.5	<0.2
120585	Soil	16	43	0.98	318	0.275	<1	3.33	0.013	1.06	0.1	<0.01	4.9	0.7	<0.05	10	0.5	<0.2
120586	Soil	12	26	0.40	240	0.085	<1	2.00	0.008	0.10	<0.1	0.02	2.5	0.1	<0.05	8	0.6	<0.2
120587	Soil	7	21	0.94	362	0.165	<1	3.41	0.012	0.60	<0.1	<0.01	5.5	0.2	<0.05	8	<0.5	<0.2
120588	Soil	14	28	1.03	373	0.159	<1	2.57	0.018	0.36	0.2	<0.01	6.2	<0.1	<0.05	10	0.5	<0.2
120589	Soil	15	34	0.70	1706	0.103	1	2.15	0.016	0.12	<0.1	0.01	4.9	0.1	<0.05	6	0.6	<0.2
120590	Soil	18	41	0.75	1154	0.108	2	2.12	0.016	0.09	0.1	0.03	6.6	0.1	<0.05	6	0.8	<0.2
120591	Soil	6	22	1.03	708	0.247	2	2.40	0.013	0.34	<0.1	<0.01	3.9	<0.1	<0.05	9	<0.5	<0.2
120592	Soil	9	16	0.97	660	0.211	<1	2.20	0.012	0.41	<0.1	<0.01	4.4	<0.1	<0.05	8	0.5	<0.2
120593	Soil	3	15	0.88	260	0.189	<1	1.71	0.011	0.79	<0.1	<0.01	3.2	0.1	<0.05	6	0.6	<0.2
120594	Soil	23	34	0.69	176	0.181	1	2.31	0.020	0.44	0.1	<0.01	3.8	0.4	<0.05	7	0.7	<0.2
120595	Soil	19	32	0.67	165	0.173	<1	2.08	0.012	0.38	0.1	<0.01	3.5	0.3	<0.05	7	<0.5	<0.2
120596	Soil	19	36	0.79	187	0.160	2	2.21	0.010	0.42	0.1	0.02	3.0	0.3	<0.05	8	<0.5	<0.2
120597	Soil	44	60	1.61	402	0.184	1	3.45	0.011	0.76	0.1	<0.01	4.1	0.5	<0.05	13	<0.5	<0.2
120598	Soil	15	35	0.63	145	0.135	<1	2.09	0.008	0.21	0.1	<0.01	2.6	0.3	<0.05	7	1.0	<0.2
120599	Soil	112	34	3.48	957	0.031	1	3.93	0.022	1.83	<0.1	<0.01	2.6	0.6	<0.05	20	1.1	<0.2
120600	Soil	10	20	0.52	263	0.085	2	1.01	0.015	0.11	0.1	0.02	2.1	<0.1	<0.05	3	1.2	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

WHI11000625.1

Method Analyte	1DX15																				
	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	
104480	Soil	1.2	28.0	11.1	155	0.2	32.6	7.3	317	3.20	9.5	1.2	2.3	3.0	42	0.5	1.1	0.2	55	0.12	0.065
104482	Soil	1.8	37.5	9.0	66	0.2	28.9	8.3	306	2.32	10.1	1.4	3.8	3.8	27	0.2	0.8	0.2	55	0.22	0.040
104483	Soil	2.0	58.0	10.1	113	0.2	40.1	11.6	494	2.73	10.7	0.9	5.6	4.0	29	0.2	1.1	0.2	64	0.23	0.036
104484	Soil	1.4	45.5	4.8	118	0.1	32.7	4.9	243	1.58	2.1	1.7	<0.5	2.8	17	0.3	0.3	0.2	100	0.11	0.038
104485	Soil	5.3	54.8	9.9	75	1.0	21.3	4.2	210	2.56	3.4	2.6	2.0	4.3	15	0.2	0.3	0.2	102	0.09	0.070
104486	Soil	1.4	51.5	7.6	78	0.2	17.4	5.0	203	2.21	1.8	1.6	1.5	3.1	8	0.1	0.2	0.1	58	0.04	0.026
104487	Soil	1.4	95.7	4.3	297	0.7	139.7	26.9	533	3.71	1.0	3.8	3.5	1.4	40	0.9	0.2	0.1	180	0.29	0.041
104488	Soil	1.0	65.5	4.0	100	0.1	56.5	9.9	496	3.01	<0.5	1.4	4.2	3.5	20	0.2	<0.1	0.1	92	0.20	0.034
104489	Soil	0.6	24.9	16.1	75	<0.1	47.1	12.4	569	3.59	1.2	1.6	2.8	18.2	19	<0.1	0.1	0.3	42	0.25	0.031
104490	Soil	0.4	21.3	13.8	76	<0.1	43.5	12.8	541	3.54	1.1	1.5	0.8	18.7	18	<0.1	0.1	0.2	42	0.26	0.042
104491	Soil	0.9	20.0	12.5	64	0.2	28.7	10.9	468	3.16	4.7	0.8	1.6	7.3	20	0.2	0.3	0.3	55	0.22	0.029
104492	Soil	0.4	81.3	3.2	39	<0.1	26.3	10.5	301	2.40	1.9	0.3	0.8	2.0	16	<0.1	0.1	0.1	66	0.21	0.019
104493	Soil	0.3	72.8	9.4	75	<0.1	30.5	18.1	613	4.17	3.4	1.0	3.9	8.3	69	<0.1	<0.1	0.2	111	0.44	0.055
104494	Soil	0.2	98.9	11.0	85	<0.1	45.4	15.7	544	4.39	2.6	1.1	<0.5	17.4	279	<0.1	0.1	0.2	93	0.80	0.028
104495	Soil	0.2	32.2	14.5	89	<0.1	43.0	16.1	563	4.32	1.1	1.5	<0.5	16.9	50	<0.1	0.2	0.4	55	0.34	0.043
104496	Soil	0.7	26.0	13.1	55	<0.1	30.4	9.2	300	2.76	5.4	2.0	2.5	13.2	32	<0.1	0.4	0.2	50	0.45	0.047
104497	Soil	0.6	23.0	13.2	59	<0.1	28.4	11.1	299	3.29	5.4	1.2	<0.5	10.9	41	<0.1	0.3	0.3	52	0.21	0.013
104498	Soil	0.5	24.0	11.5	68	<0.1	32.9	12.6	321	3.41	3.1	1.1	1.8	11.6	45	<0.1	0.2	0.2	51	0.22	0.022
104499	Soil	0.4	27.8	10.4	60	<0.1	26.9	10.9	350	3.06	2.8	1.3	1.3	10.3	36	<0.1	0.2	0.2	54	0.31	0.030
104500	Soil	0.4	34.1	10.6	67	<0.1	46.7	11.2	449	3.17	4.4	2.0	2.1	10.6	53	<0.1	0.2	0.2	66	0.48	0.044
104501	Soil	0.5	21.6	8.7	60	<0.1	25.7	11.6	220	3.50	3.5	1.1	0.9	8.6	18	<0.1	0.2	0.2	43	0.23	0.034
104502	Soil	0.4	26.2	10.7	74	<0.1	33.0	12.4	395	3.51	3.0	1.8	1.1	16.1	31	<0.1	0.2	0.3	50	0.31	0.034
104503	Soil	0.5	17.4	10.9	50	<0.1	21.0	9.8	301	2.67	4.5	1.4	1.0	9.9	29	<0.1	0.3	0.2	46	0.30	0.027
104504	Soil	0.4	21.7	10.6	60	<0.1	70.5	12.5	360	2.96	6.5	1.1	4.2	10.1	43	<0.1	0.2	0.2	54	0.37	0.030
104505	Soil	0.9	19.9	10.9	51	<0.1	26.3	9.3	301	2.61	6.6	1.4	3.1	9.2	30	<0.1	0.3	0.2	48	0.31	0.030
104506	Soil	1.1	32.9	11.8	92	0.2	59.8	16.3	627	3.85	7.2	1.5	4.9	10.2	46	0.5	0.2	0.2	63	0.46	0.053
104507	Soil	1.0	27.3	11.3	79	0.1	31.7	11.9	401	3.25	5.8	1.6	27.0	10.5	36	0.2	0.4	0.3	52	0.49	0.046
104508	Soil	1.1	25.5	11.1	65	<0.1	27.6	9.5	302	2.83	5.9	1.1	2.1	8.7	29	<0.1	0.4	0.2	44	0.36	0.044
104509	Soil	1.2	49.5	11.0	93	0.2	59.0	13.7	557	3.09	10.8	0.6	5.8	5.0	26	0.3	0.7	0.2	67	0.71	0.046
104510	Soil	3.3	73.3	7.1	120	0.1	37.5	8.3	291	2.31	4.5	3.6	2.4	4.4	22	0.3	0.3	0.2	71	0.19	0.055

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

WHI11000625.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
104480	Soil	11	49	0.46	221	0.056	<1	1.73	0.021	0.08	0.1	0.03	2.5	0.1	0.12	6	1.4	<0.2
104482	Soil	15	31	0.53	262	0.060	<1	1.57	0.011	0.05	0.2	0.07	4.1	<0.1	<0.05	4	1.3	<0.2
104483	Soil	14	39	0.65	334	0.086	2	1.63	0.013	0.08	0.1	0.08	4.4	0.1	<0.05	5	0.8	<0.2
104484	Soil	11	38	0.58	253	0.058	<1	0.83	0.005	0.10	<0.1	0.01	2.4	0.1	<0.05	3	1.5	<0.2
104485	Soil	20	44	0.67	309	0.088	<1	1.41	0.005	0.19	0.1	<0.01	3.1	0.3	0.06	5	5.7	0.3
104486	Soil	10	34	0.73	426	0.154	<1	1.44	0.006	0.49	<0.1	<0.01	2.5	0.4	<0.05	4	0.7	<0.2
104487	Soil	8	137	1.65	900	0.225	<1	2.01	0.013	0.29	<0.1	0.02	9.8	0.2	0.07	8	4.0	0.3
104488	Soil	11	78	1.33	908	0.169	<1	1.99	0.016	0.76	<0.1	<0.01	6.4	0.3	<0.05	9	1.2	<0.2
104489	Soil	38	50	1.03	511	0.251	1	2.14	0.007	0.89	<0.1	<0.01	4.9	0.6	<0.05	8	0.6	<0.2
104490	Soil	37	43	1.11	519	0.280	1	2.24	0.008	0.94	<0.1	<0.01	4.4	0.6	<0.05	8	<0.5	<0.2
104491	Soil	15	40	0.73	346	0.176	<1	2.07	0.009	0.37	0.1	<0.01	3.2	0.3	<0.05	8	<0.5	<0.2
104492	Soil	4	36	0.96	235	0.166	1	1.66	0.011	0.25	<0.1	<0.01	2.4	0.2	<0.05	6	<0.5	<0.2
104493	Soil	21	40	1.53	431	0.304	<1	3.10	0.019	1.17	<0.1	<0.01	8.3	0.6	<0.05	10	<0.5	<0.2
104494	Soil	36	88	1.54	931	0.362	1	4.24	0.027	1.10	0.3	<0.01	9.4	0.6	<0.05	16	0.8	<0.2
104495	Soil	28	54	1.12	324	0.336	<1	2.96	0.016	1.40	<0.1	0.01	5.1	0.8	<0.05	10	<0.5	<0.2
104496	Soil	24	40	0.63	182	0.132	1	1.81	0.020	0.14	0.1	0.02	4.5	0.1	<0.05	6	<0.5	<0.2
104497	Soil	18	39	0.76	192	0.208	<1	2.41	0.013	0.58	<0.1	<0.01	3.7	0.4	<0.05	7	<0.5	<0.2
104498	Soil	19	48	0.89	238	0.261	2	2.61	0.015	0.81	0.1	<0.01	4.5	0.5	<0.05	9	<0.5	<0.2
104499	Soil	30	43	0.85	227	0.229	<1	2.20	0.018	0.55	0.1	<0.01	4.6	0.4	<0.05	7	<0.5	<0.2
104500	Soil	38	68	1.23	339	0.233	1	2.79	0.026	0.64	0.2	0.01	6.8	0.4	<0.05	9	<0.5	<0.2
104501	Soil	20	33	0.71	162	0.201	<1	2.00	0.012	0.65	0.1	0.01	3.4	0.4	<0.05	7	<0.5	<0.2
104502	Soil	32	50	1.01	254	0.296	1	2.61	0.021	0.88	0.2	0.01	5.5	0.5	<0.05	9	<0.5	<0.2
104503	Soil	21	32	0.61	190	0.163	2	1.83	0.017	0.30	0.1	<0.01	3.3	0.2	<0.05	6	<0.5	<0.2
104504	Soil	33	97	1.26	270	0.228	<1	2.75	0.021	0.57	0.2	<0.01	4.7	0.4	<0.05	9	<0.5	<0.2
104505	Soil	28	38	0.63	212	0.154	1	2.02	0.016	0.21	0.2	0.02	3.2	0.2	<0.05	6	<0.5	<0.2
104506	Soil	43	78	1.22	301	0.250	<1	3.09	0.027	1.25	0.3	0.02	6.1	0.6	<0.05	10	<0.5	<0.2
104507	Soil	29	48	0.83	262	0.191	1	2.30	0.021	0.65	0.2	0.03	5.4	0.4	<0.05	8	<0.5	<0.2
104508	Soil	25	40	0.67	247	0.165	1	2.01	0.017	0.46	0.2	0.03	4.3	0.3	<0.05	7	<0.5	<0.2
104509	Soil	18	55	0.72	403	0.079	1	1.86	0.021	0.06	0.2	0.07	5.4	<0.1	<0.05	6	<0.5	<0.2
104510	Soil	18	41	0.63	303	0.066	<1	1.25	0.008	0.12	0.2	0.03	4.4	0.2	0.05	4	2.2	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

WHI11000625.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
104511	Soil	0.9	73.9	5.3	136	<0.1	81.9	20.4	643	4.93	1.6	2.5	1.9	2.7	79	0.2	0.2	0.2	175	0.79	0.231
104512	Soil	1.1	41.2	7.2	81	0.2	32.4	8.6	378	2.29	4.7	1.0	2.7	3.4	19	<0.1	0.2	0.1	57	0.14	0.019
104513	Soil	1.4	45.1	8.5	98	0.4	21.7	3.9	284	2.62	3.1	0.6	1.1	2.4	32	<0.1	0.1	0.2	64	0.13	0.030
104514	Soil	0.8	46.7	6.0	95	<0.1	29.2	10.0	501	2.46	4.3	0.6	3.0	2.4	19	<0.1	0.2	0.2	64	0.08	0.025
104515	Soil	1.4	76.1	10.8	114	<0.1	73.8	14.3	335	4.04	2.7	1.7	8.3	7.4	16	0.2	0.1	0.3	79	0.23	0.071
104516	Soil	1.7	56.2	10.7	98	0.3	49.0	14.4	389	3.86	9.1	1.4	2.3	5.8	22	0.1	0.4	0.3	80	0.09	0.038
104517	Soil	1.1	26.8	10.2	121	0.7	51.0	14.4	534	4.03	7.5	0.6	3.9	4.1	21	0.3	0.3	0.2	83	0.13	0.039
104518	Soil	1.3	37.5	10.2	66	<0.1	36.3	11.3	292	3.36	10.2	1.3	8.2	4.8	20	<0.1	0.6	0.3	76	0.17	0.039
104519	Soil	1.0	123.0	10.3	92	<0.1	56.9	18.1	504	3.36	5.2	1.2	8.6	4.8	19	0.2	0.3	0.2	63	0.24	0.079
104520	Soil	0.5	76.0	6.7	65	<0.1	40.0	12.4	558	2.46	6.5	0.7	8.3	3.5	15	0.2	0.4	0.2	49	0.22	0.079
104521	Soil	1.6	49.2	9.4	74	<0.1	33.2	10.3	357	2.89	8.3	1.2	4.8	3.6	21	0.1	0.3	0.2	65	0.15	0.043
104522	Soil	1.2	62.4	7.8	94	<0.1	36.1	8.8	549	2.15	1.8	0.9	1.6	3.3	15	<0.1	0.1	0.2	51	0.13	0.029
104523	Soil	1.4	37.4	7.6	74	0.2	32.6	8.1	303	2.51	6.2	0.8	4.1	3.5	27	<0.1	0.3	0.2	51	0.14	0.041
104524	Soil	1.3	40.9	9.0	77	0.1	41.3	11.5	435	2.54	6.6	1.1	5.2	4.0	21	0.1	0.3	0.2	55	0.18	0.035
104525	Soil	2.5	50.0	9.0	83	0.6	35.0	8.1	227	2.40	5.3	1.5	4.5	3.2	22	0.1	0.4	0.2	56	0.15	0.049
104526	Soil	3.0	46.2	12.0	62	0.6	23.9	6.3	182	2.23	8.0	2.1	2.9	0.3	27	0.5	0.4	0.2	55	0.17	0.071
104527	Soil	2.8	36.6	10.6	84	0.5	30.1	8.8	281	3.10	6.8	1.4	4.6	5.0	28	0.4	0.5	0.2	75	0.17	0.037
104528	Soil	2.8	44.5	10.8	92	0.4	29.5	10.0	303	2.91	5.0	1.5	2.5	4.6	31	0.4	0.3	0.2	68	0.16	0.043
104529	Soil	2.8	70.4	8.1	177	0.3	48.9	11.1	380	3.07	3.3	1.6	4.4	4.5	31	0.5	0.2	0.2	99	0.12	0.056
104530	Soil	0.7	23.5	4.3	75	<0.1	19.9	12.3	337	4.32	2.6	1.0	1.0	5.2	14	0.1	0.1	<0.1	84	0.22	0.042
104531	Soil	20.4	174.7	7.8	82	<0.1	24.8	13.8	567	5.27	5.5	2.2	<0.5	39.7	11	<0.1	0.3	0.3	101	0.16	0.060
104532	Soil	0.4	42.6	4.5	47	<0.1	44.0	14.7	332	2.81	5.0	0.6	<0.5	7.5	11	<0.1	0.2	<0.1	70	0.25	0.067
117618	Soil	0.9	64.9	10.7	139	<0.1	50.3	11.3	545	3.13	1.0	1.7	1.1	7.8	60	0.1	<0.1	0.3	72	0.21	0.028
117619	Soil	0.8	27.6	12.5	68	<0.1	28.4	13.1	361	3.50	6.3	1.1	1.6	12.2	34	<0.1	0.4	0.2	60	0.21	0.026
117620	Soil	0.7	31.4	7.9	56	<0.1	24.6	11.0	329	2.80	6.5	1.3	4.3	8.4	27	<0.1	0.4	0.1	55	0.24	0.029
117621	Soil	0.7	138.2	3.6	67	<0.1	17.2	15.3	274	3.32	3.1	0.6	1.5	3.6	14	<0.1	0.2	<0.1	97	0.25	0.093
117622	Soil	0.3	208.8	1.6	59	<0.1	18.3	16.6	183	3.04	1.0	0.5	0.8	3.4	11	<0.1	<0.1	<0.1	151	0.23	0.084
117623	Soil	0.9	24.8	3.8	56	0.1	5.1	2.8	152	2.29	<0.5	0.7	<0.5	1.8	52	<0.1	<0.1	0.1	35	0.13	0.037
117624	Soil	0.8	18.9	11.7	56	<0.1	20.1	10.2	318	2.98	6.2	1.2	1.1	9.0	31	<0.1	0.3	0.2	54	0.23	0.037
117625	Soil	1.7	20.1	14.2	72	0.1	42.5	11.0	288	3.26	31.3	1.1	2.1	7.0	18	0.2	0.5	0.3	77	0.11	0.040

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
104511	Soil	17	121	1.34	781	0.227	<1	3.31	0.012	1.23	<0.1	0.01	17.7	0.3	<0.05	11	<0.5	<0.2
104512	Soil	12	29	1.07	563	0.101	<1	1.91	0.011	0.12	<0.1	0.02	4.7	<0.1	<0.05	6	0.6	<0.2
104513	Soil	7	30	1.39	569	0.108	<1	1.98	0.014	0.37	<0.1	0.01	3.9	0.3	0.15	6	1.8	<0.2
104514	Soil	7	30	1.59	1070	0.139	<1	2.50	0.019	0.61	<0.1	0.01	4.7	0.3	<0.05	7	0.6	<0.2
104515	Soil	22	60	1.16	353	0.129	<1	2.37	0.011	0.63	<0.1	0.02	4.8	0.3	<0.05	9	0.6	<0.2
104516	Soil	18	57	0.87	262	0.120	<1	2.30	0.014	0.47	0.1	0.02	4.0	0.3	0.06	7	0.9	<0.2
104517	Soil	12	64	0.91	323	0.096	1	2.42	0.007	0.17	0.1	0.02	4.1	0.2	<0.05	9	<0.5	<0.2
104518	Soil	15	52	0.75	244	0.107	1	2.20	0.009	0.15	0.1	0.04	5.1	0.2	<0.05	7	<0.5	<0.2
104519	Soil	16	40	0.92	516	0.091	<1	2.10	0.009	0.28	<0.1	0.02	4.1	0.2	<0.05	7	0.9	<0.2
104520	Soil	10	27	0.93	621	0.074	2	2.60	0.010	0.12	0.1	<0.01	4.2	<0.1	<0.05	7	<0.5	<0.2
104521	Soil	11	29	0.80	593	0.098	2	2.11	0.012	0.17	0.1	0.02	3.7	0.1	<0.05	7	0.6	<0.2
104522	Soil	11	30	1.48	991	0.093	<1	2.15	0.013	0.54	<0.1	<0.01	3.2	0.2	<0.05	7	0.8	<0.2
104523	Soil	11	27	0.75	339	0.075	<1	1.63	0.010	0.12	0.1	0.01	2.5	0.1	0.07	5	0.7	<0.2
104524	Soil	12	43	0.81	360	0.082	<1	1.83	0.008	0.08	0.1	0.02	3.3	0.1	<0.05	5	0.6	<0.2
104525	Soil	14	36	0.64	360	0.072	<1	1.46	0.008	0.09	0.1	0.05	3.2	0.2	<0.05	5	1.3	<0.2
104526	Soil	13	28	0.35	427	0.039	1	1.39	0.009	0.07	0.1	0.12	1.6	<0.1	0.06	5	1.8	<0.2
104527	Soil	16	49	0.77	236	0.131	1	2.10	0.012	0.21	0.1	0.03	3.3	0.2	<0.05	7	0.7	<0.2
104528	Soil	16	44	0.80	273	0.135	<1	1.98	0.012	0.31	0.2	0.02	3.5	0.2	0.05	7	1.0	<0.2
104529	Soil	17	70	1.01	383	0.162	1	2.01	0.016	0.70	<0.1	<0.01	4.2	0.5	0.13	7	1.8	<0.2
104530	Soil	45	95	0.97	341	0.198	<1	2.39	0.009	0.59	<0.1	<0.01	9.8	0.3	<0.05	9	<0.5	<0.2
104531	Soil	30	104	1.74	289	0.395	<1	3.50	0.009	1.45	0.1	<0.01	9.4	0.7	<0.05	13	0.7	<0.2
104532	Soil	7	112	1.40	155	0.255	<1	1.78	0.011	0.76	<0.1	<0.01	2.1	0.5	<0.05	7	<0.5	<0.2
117618	Soil	27	47	1.22	173	0.209	<1	2.65	0.010	0.98	<0.1	<0.01	4.8	0.6	<0.05	8	0.5	<0.2
117619	Soil	23	41	0.76	217	0.179	<1	2.63	0.017	0.40	0.1	0.01	4.6	0.3	<0.05	8	<0.5	<0.2
117620	Soil	27	35	0.68	233	0.154	<1	1.95	0.012	0.22	0.2	0.02	4.4	0.2	<0.05	6	<0.5	<0.2
117621	Soil	13	25	1.05	328	0.260	<1	2.20	0.012	0.74	<0.1	0.01	3.8	0.1	<0.05	7	<0.5	<0.2
117622	Soil	12	28	1.09	276	0.181	<1	1.94	0.011	0.59	<0.1	<0.01	7.1	0.1	<0.05	9	<0.5	<0.2
117623	Soil	6	11	0.98	695	0.109	<1	1.74	0.023	0.74	<0.1	<0.01	5.4	0.2	0.19	5	0.8	<0.2
117624	Soil	31	32	0.58	193	0.154	<1	2.03	0.010	0.37	0.1	0.02	3.9	0.3	<0.05	7	<0.5	<0.2
117625	Soil	25	44	0.53	153	0.087	<1	2.26	0.007	0.06	0.1	0.02	3.4	0.1	<0.05	7	0.6	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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		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
117626	Soil	0.8	18.5	13.9	69	<0.1	24.9	10.9	358	3.64	7.7	0.9	0.7	7.3	20	<0.1	0.4	0.3	69	0.15	0.037
117627	Soil	0.7	22.8	10.7	72	0.1	26.8	11.6	396	3.29	5.7	1.1	<0.5	8.1	23	<0.1	0.4	0.2	54	0.23	0.034
117628	Soil	1.3	38.0	10.2	87	<0.1	31.6	12.1	428	3.34	5.4	1.3	3.0	8.7	31	0.1	0.4	0.2	64	0.29	0.045
117629	Soil	0.4	107.5	7.0	84	0.2	362.9	46.0	1047	6.22	1.4	0.9	<0.5	3.1	45	<0.1	0.1	<0.1	142	0.91	0.143
117630	Soil	1.5	51.4	9.0	100	0.1	63.9	16.6	705	4.33	3.2	1.3	<0.5	6.8	26	0.1	0.3	0.2	95	0.49	0.082
117631	Soil	1.0	30.4	11.4	69	0.2	50.3	13.9	450	3.34	5.3	1.4	1.7	6.5	28	0.1	0.3	0.2	74	0.40	0.038
117632	Soil	0.7	26.9	8.0	75	<0.1	36.6	12.6	392	3.37	3.4	1.1	0.5	10.5	14	<0.1	0.2	0.1	70	0.19	0.029
117633	Soil	1.1	53.9	14.4	116	0.2	43.1	11.4	541	4.03	2.8	1.6	1.0	7.4	30	0.1	0.3	0.3	76	0.16	0.041
117634	Soil	1.6	54.5	13.4	105	<0.1	96.6	18.5	710	4.19	2.8	1.8	1.1	8.3	32	<0.1	0.3	0.3	89	0.29	0.034
117635	Soil	1.0	57.9	14.2	102	<0.1	55.2	19.6	606	4.53	1.3	1.2	<0.5	7.0	13	<0.1	0.1	0.4	47	0.14	0.028
117636	Soil	1.8	108.1	5.7	148	0.1	34.1	16.5	521	5.35	2.0	1.8	1.4	5.4	49	0.4	0.1	0.2	184	0.53	0.197
117637	Soil	3.1	52.4	10.3	129	0.3	34.9	6.9	200	2.49	5.8	1.2	2.1	3.6	29	0.4	0.6	0.2	72	0.14	0.044
117638	Soil	1.7	51.5	10.0	104	<0.1	42.3	10.5	418	3.13	6.4	2.0	4.9	6.0	27	0.2	0.5	0.2	72	0.26	0.052
117639	Soil	1.3	40.3	12.1	114	<0.1	40.6	8.9	385	3.40	5.1	0.6	<0.5	3.7	149	<0.1	0.2	0.2	123	0.29	0.063
117640	Soil	1.4	51.4	10.8	137	<0.1	51.7	11.4	438	3.36	1.7	0.7	<0.5	3.9	143	0.3	0.1	0.2	128	0.43	0.074
117641	Soil	1.0	32.9	7.7	69	<0.1	20.5	9.2	323	3.10	4.7	1.1	1.6	4.6	19	<0.1	0.3	0.2	66	0.17	0.016
117642	Soil	0.6	25.3	5.9	55	<0.1	12.8	7.2	217	2.97	2.7	0.4	<0.5	1.7	16	0.1	0.1	0.1	57	0.13	0.019
117643	Soil	0.5	31.5	4.7	80	<0.1	20.5	9.3	295	3.44	<0.5	1.1	<0.5	2.9	54	<0.1	<0.1	0.2	64	0.37	0.039
117644	Soil	0.6	53.3	5.5	120	0.2	14.7	6.9	174	4.61	0.8	0.6	<0.5	3.1	23	<0.1	<0.1	0.3	64	0.06	0.024
117645	Soil	1.1	37.3	8.0	69	<0.1	24.2	11.8	183	3.67	3.6	0.6	<0.5	2.7	35	<0.1	0.2	0.2	84	0.12	0.029
117646	Soil	1.1	42.8	8.8	107	0.2	24.2	9.4	369	4.19	1.6	0.9	0.7	2.7	21	<0.1	0.2	0.3	66	0.10	0.021
117647	Soil	0.6	31.0	6.1	77	<0.1	20.2	10.7	254	2.99	3.6	0.7	<0.5	3.9	23	<0.1	0.2	0.2	64	0.16	0.034
117648	Soil	0.6	23.6	3.4	33	0.3	11.5	4.7	156	2.87	<0.5	0.9	<0.5	1.1	35	<0.1	<0.1	0.2	46	0.11	0.035
117649	Soil	0.5	31.5	3.9	80	<0.1	16.8	11.0	205	4.00	0.8	0.5	<0.5	2.5	20	<0.1	<0.1	<0.1	117	0.18	0.045
117650	Soil	0.7	30.4	7.8	39	0.2	23.3	8.9	171	2.83	4.6	1.2	<0.5	3.9	21	<0.1	0.3	0.2	66	0.14	0.040
117651	Soil	0.7	21.5	9.6	58	<0.1	19.2	8.3	293	2.74	7.4	1.0	1.2	5.7	16	<0.1	0.4	0.2	57	0.14	0.021
117652	Soil	1.0	33.8	8.7	56	<0.1	30.5	13.2	379	2.69	6.1	1.0	1.7	5.4	15	<0.1	0.4	0.2	52	0.12	0.026
117653	Soil	0.6	34.6	4.9	26	0.2	15.3	7.1	81	2.80	0.9	0.9	<0.5	5.7	29	<0.1	0.1	0.2	56	0.05	0.042
117654	Soil	0.5	21.1	5.0	72	<0.1	10.0	4.9	319	2.57	1.2	0.9	<0.5	6.2	4	<0.1	<0.1	0.1	24	0.03	0.016
117655	Soil	0.3	35.2	14.6	91	<0.1	35.3	15.7	546	4.59	1.6	1.6	<0.5	19.1	19	<0.1	0.2	0.3	66	0.19	0.026

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 1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Taku Gold Corp**  
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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
117626	Soil	14	38	0.64	198	0.122	2	2.37	0.009	0.21	0.1	0.01	3.5	0.2	<0.05	9	<0.5	<0.2
117627	Soil	21	37	0.77	220	0.169	2	2.20	0.012	0.29	0.2	0.02	4.0	0.3	<0.05	8	<0.5	<0.2
117628	Soil	25	40	0.86	268	0.168	2	2.19	0.023	0.32	0.2	0.01	5.4	0.3	<0.05	8	<0.5	<0.2
117629	Soil	15	743	4.40	634	0.197	1	3.40	0.016	0.65	<0.1	0.05	14.7	0.4	<0.05	12	<0.5	<0.2
117630	Soil	17	114	1.45	283	0.190	2	2.27	0.012	0.74	<0.1	0.03	7.9	0.4	<0.05	9	<0.5	<0.2
117631	Soil	28	106	1.07	289	0.169	2	2.19	0.012	0.28	0.1	<0.01	4.4	0.3	<0.05	8	<0.5	<0.2
117632	Soil	17	64	0.92	222	0.210	<1	2.12	0.010	0.75	0.1	<0.01	6.3	0.5	<0.05	9	0.6	<0.2
117633	Soil	23	47	0.96	310	0.212	<1	2.04	0.018	1.03	<0.1	0.01	4.1	0.5	0.13	7	0.7	<0.2
117634	Soil	18	163	1.28	431	0.218	1	2.40	0.013	0.83	<0.1	0.01	5.9	0.6	<0.05	8	1.2	<0.2
117635	Soil	16	46	1.02	320	0.253	<1	2.35	0.014	1.27	<0.1	<0.01	4.3	0.7	<0.05	8	<0.5	<0.2
117636	Soil	35	38	1.54	761	0.211	<1	2.67	0.015	1.46	<0.1	<0.01	9.3	0.4	0.13	13	<0.5	<0.2
117637	Soil	10	34	0.51	231	0.056	1	1.28	0.006	0.08	<0.1	0.02	2.6	0.1	<0.05	4	2.8	<0.2
117638	Soil	18	52	0.68	357	0.107	<1	1.65	0.012	0.28	<0.1	0.03	4.8	0.2	<0.05	5	1.1	0.2
117639	Soil	7	55	0.78	326	0.142	<1	2.76	0.025	0.50	0.2	0.01	5.4	0.3	<0.05	9	0.5	<0.2
117640	Soil	7	60	0.86	415	0.161	<1	3.21	0.027	0.62	0.1	<0.01	6.1	0.4	<0.05	9	<0.5	<0.2
117641	Soil	16	28	0.67	220	0.157	<1	2.37	0.015	0.38	<0.1	0.02	5.4	0.2	<0.05	7	<0.5	<0.2
117642	Soil	6	15	1.00	261	0.151	<1	2.36	0.012	0.49	<0.1	<0.01	6.2	0.2	<0.05	6	<0.5	<0.2
117643	Soil	8	33	1.17	519	0.183	<1	2.77	0.029	0.72	<0.1	<0.01	7.6	0.3	0.06	9	<0.5	<0.2
117644	Soil	9	25	1.17	335	0.227	<1	2.89	0.020	1.39	<0.1	<0.01	4.2	0.5	0.23	8	0.9	<0.2
117645	Soil	6	24	1.09	378	0.161	<1	3.46	0.015	0.75	<0.1	0.03	6.9	0.3	<0.05	9	<0.5	<0.2
117646	Soil	10	25	0.86	427	0.204	<1	2.35	0.013	0.83	<0.1	<0.01	5.6	0.4	<0.05	7	<0.5	<0.2
117647	Soil	11	27	0.71	368	0.143	1	2.04	0.009	0.34	0.1	<0.01	6.4	0.2	<0.05	7	<0.5	<0.2
117648	Soil	3	18	0.82	342	0.149	<1	1.61	0.021	0.88	<0.1	<0.01	4.5	0.3	0.17	5	0.6	<0.2
117649	Soil	8	19	1.29	562	0.233	<1	2.75	0.009	1.04	0.1	<0.01	10.3	0.2	<0.05	10	<0.5	<0.2
117650	Soil	11	32	0.57	357	0.104	<1	2.03	0.016	0.29	0.1	0.02	4.6	0.2	<0.05	6	<0.5	<0.2
117651	Soil	14	29	0.61	201	0.104	1	2.17	0.010	0.22	0.1	0.03	3.3	0.1	<0.05	6	<0.5	<0.2
117652	Soil	12	31	0.66	262	0.109	<1	2.21	0.008	0.33	0.1	0.01	4.3	0.2	<0.05	5	<0.5	<0.2
117653	Soil	21	20	0.57	262	0.115	<1	1.83	0.017	0.68	<0.1	<0.01	4.2	0.2	0.10	6	0.7	<0.2
117654	Soil	15	10	0.62	175	0.140	<1	1.54	0.005	0.68	<0.1	<0.01	2.8	0.3	<0.05	5	<0.5	<0.2
117655	Soil	52	60	1.13	384	0.308	<1	3.32	0.026	1.15	0.2	<0.01	8.6	0.8	<0.05	14	0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
117656	Soil	0.3	28.7	9.6	87	<0.1	33.2	15.2	372	4.32	2.5	1.3	<0.5	14.2	30	<0.1	0.2	0.3	64	0.29	0.034
117657	Soil	0.2	38.7	23.8	118	<0.1	41.4	17.9	568	4.95	1.0	3.3	14.3	20.8	70	<0.1	0.1	0.5	66	0.96	0.034
117658	Soil	2.6	26.3	6.4	73	<0.1	23.9	8.0	375	2.58	1.6	0.8	<0.5	4.3	9	<0.1	0.1	0.2	87	0.11	0.029
117659	Soil	0.6	28.4	5.7	68	<0.1	15.4	7.2	379	2.82	4.4	1.3	0.9	4.7	16	<0.1	0.4	0.2	51	0.16	0.020
117660	Soil	0.8	35.4	3.7	91	<0.1	16.9	8.1	468	3.95	2.2	0.4	<0.5	2.1	6	<0.1	0.1	0.2	89	0.04	0.020
117661	Soil	1.1	35.5	3.9	90	<0.1	15.0	7.1	459	3.36	1.1	0.8	1.1	3.5	5	0.1	0.2	0.2	56	0.07	0.021
117662	Soil	0.6	27.3	5.4	96	<0.1	18.4	9.1	644	4.21	2.5	0.4	<0.5	4.8	18	<0.1	0.1	0.1	98	0.21	0.018
117663	Soil	1.2	15.4	7.8	56	<0.1	18.5	7.6	239	2.84	5.8	0.5	2.6	2.5	14	0.1	0.5	0.2	72	0.15	0.018
117664	Soil	0.6	25.2	1.9	103	<0.1	17.4	8.7	566	4.13	1.5	0.9	0.5	2.6	6	0.1	0.1	0.1	71	0.10	0.022
117665	Soil	1.0	21.8	5.7	56	<0.1	15.8	9.9	370	3.17	6.0	0.4	1.1	2.7	45	0.1	0.3	0.2	71	0.18	0.029
117666	Soil	1.7	33.5	10.3	74	0.3	26.9	11.1	1042	3.35	5.9	0.8	0.9	4.3	78	0.2	0.4	0.2	67	0.23	0.037
117667	Soil	0.8	34.0	12.9	77	<0.1	29.7	11.4	336	3.47	1.6	0.9	0.7	9.0	167	<0.1	0.1	0.4	43	0.49	0.029
117668	Soil	0.6	32.0	15.4	88	<0.1	36.9	15.2	264	4.09	1.4	0.9	1.8	16.8	39	0.1	0.2	0.3	42	0.44	0.034
102290	Soil	1.2	59.1	8.0	83	<0.1	76.3	13.9	647	3.58	2.8	1.1	2.1	4.6	23	0.1	0.2	0.2	88	0.28	0.025
102291	Soil	1.3	56.9	7.5	81	<0.1	78.6	13.0	622	3.45	2.3	1.1	2.0	4.8	23	<0.1	0.2	0.2	89	0.31	0.023
102292	Soil	1.2	35.8	7.3	81	<0.1	45.1	11.6	478	3.13	3.7	1.1	1.4	5.4	20	0.2	0.3	0.2	73	0.25	0.043
102293	Soil	0.9	64.0	8.3	85	<0.1	70.7	11.5	505	3.45	0.6	0.9	1.0	3.4	20	0.1	0.1	0.3	72	0.36	0.068
102294	Soil	1.5	31.6	9.4	71	<0.1	33.5	11.3	449	2.95	4.8	1.4	1.6	4.8	21	0.1	0.3	0.2	60	0.18	0.029
102295	Soil	1.1	43.0	6.7	68	0.1	15.8	4.1	199	2.20	1.4	1.0	0.9	3.1	25	<0.1	0.2	0.2	48	0.08	0.037
102296	Soil	1.7	55.2	13.6	102	<0.1	42.2	16.1	516	3.73	9.6	1.8	1.0	13.2	13	0.2	0.2	0.3	45	0.13	0.033
102297	Soil	1.3	41.5	9.7	80	0.1	38.6	11.2	376	3.06	5.2	1.5	2.6	6.3	20	0.3	0.4	0.2	56	0.23	0.038
102298	Soil	2.6	75.1	12.3	162	<0.1	72.0	20.0	1009	4.60	1.8	2.1	3.8	8.2	15	0.5	0.2	0.7	63	0.23	0.085
102299	Soil	1.0	35.8	9.5	78	0.2	36.1	11.2	467	2.83	8.2	1.2	2.6	3.1	29	0.1	0.4	0.2	60	0.33	0.052
102300	Soil	0.7	58.5	6.6	121	<0.1	142.8	15.6	274	3.20	3.5	0.8	1.0	3.5	38	0.2	0.2	0.2	88	0.29	0.030
102301	Soil	1.0	42.0	9.1	88	0.1	37.6	11.2	216	3.50	5.3	0.7	1.3	3.4	17	0.2	0.3	0.2	67	0.09	0.037
102302	Soil	1.6	64.2	9.6	90	<0.1	27.5	9.3	552	3.03	5.3	1.5	4.4	4.0	19	0.2	0.3	0.2	79	0.13	0.030
102303	Soil	2.1	29.5	6.0	53	0.2	12.7	6.3	260	1.86	3.4	1.2	1.5	2.6	22	0.2	0.3	0.2	61	0.13	0.023
102304	Soil	1.4	70.0	9.9	205	0.1	69.6	18.1	672	3.58	8.7	1.1	3.4	3.5	34	0.5	0.6	0.2	81	0.35	0.060
102305	Soil	0.8	51.3	7.2	95	<0.1	39.1	9.9	416	2.76	5.0	0.5	3.1	2.6	14	0.2	0.3	0.2	64	0.10	0.022
102306	Soil	0.8	23.1	7.4	63	<0.1	25.0	9.3	342	2.68	8.1	0.7	2.8	3.1	25	<0.1	0.4	0.2	54	0.28	0.061

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
117656	Soil	33	55	1.06	230	0.323	<1	3.06	0.017	0.93	0.3	0.01	7.6	0.7	<0.05	12	<0.5	<0.2
117657	Soil	47	66	1.29	152	0.335	<1	3.90	0.028	1.27	<0.1	0.02	8.9	0.8	<0.05	15	<0.5	<0.2
117658	Soil	19	39	0.62	158	0.182	<1	1.62	0.006	0.51	<0.1	<0.01	6.8	0.3	<0.05	6	<0.5	<0.2
117659	Soil	15	23	0.65	216	0.157	1	1.76	0.009	0.28	0.1	0.03	5.9	0.2	<0.05	5	<0.5	<0.2
117660	Soil	5	26	0.78	265	0.278	<1	2.21	0.006	1.01	<0.1	<0.01	9.8	0.3	<0.05	9	<0.5	<0.2
117661	Soil	9	17	0.71	238	0.168	1	1.95	0.006	0.82	<0.1	<0.01	5.2	0.2	<0.05	9	0.6	<0.2
117662	Soil	9	25	1.24	451	0.295	<1	3.45	0.012	0.93	0.3	<0.01	14.3	0.4	<0.05	13	<0.5	<0.2
117663	Soil	9	31	0.58	214	0.109	2	1.84	0.010	0.07	0.1	0.01	4.3	<0.1	<0.05	7	<0.5	<0.2
117664	Soil	8	35	1.12	225	0.280	<1	2.33	0.005	1.07	0.1	<0.01	12.9	0.3	<0.05	11	<0.5	<0.2
117665	Soil	6	25	1.03	298	0.167	1	2.62	0.011	0.46	0.2	0.01	7.1	<0.1	<0.05	8	<0.5	<0.2
117666	Soil	13	29	0.68	235	0.103	1	2.36	0.019	0.35	<0.1	0.02	5.5	0.2	0.09	7	0.6	<0.2
117667	Soil	24	30	1.06	211	0.222	<1	2.79	0.016	0.82	<0.1	<0.01	4.6	0.5	<0.05	8	<0.5	<0.2
117668	Soil	34	37	1.02	149	0.251	<1	2.82	0.022	1.00	<0.1	<0.01	4.4	0.6	<0.05	9	<0.5	<0.2
102290	Soil	26	163	1.53	371	0.210	<1	2.66	0.009	0.71	<0.1	0.02	6.1	0.5	<0.05	9	0.6	<0.2
102291	Soil	25	177	1.52	373	0.203	<1	2.56	0.009	0.71	<0.1	0.01	6.5	0.5	<0.05	9	0.5	<0.2
102292	Soil	20	85	0.99	285	0.178	<1	1.99	0.011	0.55	0.1	0.02	4.9	0.3	<0.05	7	<0.5	<0.2
102293	Soil	11	222	1.39	405	0.160	<1	2.15	0.011	0.94	<0.1	0.02	5.4	0.5	<0.05	7	<0.5	<0.2
102294	Soil	14	49	0.71	256	0.133	1	1.67	0.011	0.37	<0.1	0.02	3.7	0.2	<0.05	6	0.7	<0.2
102295	Soil	11	27	0.56	539	0.081	<1	1.13	0.012	0.47	<0.1	0.01	3.1	0.3	0.10	4	0.7	<0.2
102296	Soil	44	30	0.75	357	0.152	<1	1.75	0.006	0.63	<0.1	<0.01	5.6	0.5	<0.05	6	1.1	<0.2
102297	Soil	21	51	0.70	264	0.110	<1	1.79	0.009	0.28	0.1	0.03	4.9	0.2	<0.05	6	0.5	<0.2
102298	Soil	32	40	0.82	721	0.152	<1	1.85	0.010	0.90	<0.1	0.01	6.1	0.4	<0.05	7	0.6	<0.2
102299	Soil	15	34	0.73	531	0.090	1	1.81	0.013	0.15	0.1	0.04	4.6	0.2	<0.05	5	<0.5	<0.2
102300	Soil	15	155	1.48	771	0.083	1	2.67	0.011	0.22	<0.1	0.01	6.7	0.2	<0.05	8	0.8	<0.2
102301	Soil	9	35	0.95	454	0.129	1	3.12	0.013	0.46	<0.1	0.02	4.5	0.3	0.07	7	1.1	<0.2
102302	Soil	17	38	0.90	341	0.148	1	1.96	0.010	0.41	<0.1	0.02	6.3	0.3	0.06	7	0.9	<0.2
102303	Soil	11	22	0.61	186	0.074	<1	1.13	0.011	0.14	<0.1	0.01	2.6	0.2	0.09	3	1.0	<0.2
102304	Soil	16	43	0.76	582	0.091	1	2.06	0.015	0.13	0.1	0.05	8.1	0.2	<0.05	6	1.0	<0.2
102305	Soil	9	30	1.35	619	0.119	2	2.97	0.012	0.17	<0.1	0.02	5.8	0.1	<0.05	8	0.7	<0.2
102306	Soil	14	31	0.76	481	0.079	<1	1.85	0.014	0.17	0.1	0.02	4.1	0.1	<0.05	5	<0.5	<0.2

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 1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
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Project: DAN  
 Report Date: August 07, 2011

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
102307	Soil	0.8	29.3	8.8	98	0.2	23.6	6.6	121	3.22	1.1	1.0	3.2	6.1	18	0.1	0.1	0.2	43	0.06	0.032
102308	Soil	1.8	31.6	5.3	52	0.2	15.3	5.0	193	2.15	4.4	0.9	2.4	2.0	16	0.2	0.5	0.1	54	0.08	0.027
102309	Soil	1.8	71.1	5.0	241	0.5	82.1	17.7	3847	2.88	2.6	1.6	1.5	3.6	50	1.3	0.5	0.2	80	0.27	0.050
102310	Soil	2.0	26.8	8.4	66	0.1	21.0	7.1	252	2.71	8.8	0.9	3.8	1.6	20	0.3	0.5	0.2	61	0.22	0.048
102311	Soil	0.8	51.6	3.0	142	0.1	136.4	20.7	240	4.03	1.1	0.9	3.4	2.2	37	0.3	0.1	<0.1	98	0.41	0.079
102312	Soil	1.1	64.9	6.5	116	0.3	23.0	6.7	165	3.62	1.9	1.1	2.1	1.7	15	0.2	0.1	0.1	57	0.05	0.044
102313	Soil	1.7	52.4	6.0	65	0.5	18.0	5.1	185	2.39	3.8	1.2	1.4	2.6	25	0.2	0.3	0.1	61	0.16	0.044
102314	Soil	2.4	100.9	4.5	284	0.4	89.7	4.5	277	2.69	3.2	1.7	2.2	3.4	11	0.7	0.3	0.1	98	0.32	0.044
102315	Soil	2.9	34.5	6.1	70	0.3	24.0	6.5	227	2.90	5.3	1.7	1.0	3.3	26	0.3	0.4	0.1	43	0.26	0.053
102316	Soil	1.4	49.2	6.7	84	0.3	70.8	12.1	402	3.13	4.5	1.8	1.1	4.1	41	0.2	0.2	0.2	75	0.36	0.036
102317	Soil	1.5	43.6	8.5	138	<0.1	51.5	12.9	393	3.97	3.6	1.1	<0.5	5.3	15	0.2	0.2	0.1	99	0.17	0.047
102318	Soil	1.1	12.7	9.8	57	0.1	19.6	11.0	266	2.96	8.9	0.4	0.7	3.3	9	0.1	0.4	0.2	65	0.11	0.038
102319	Soil	1.0	23.9	7.4	92	<0.1	17.3	14.5	828	5.30	3.6	0.6	<0.5	6.0	11	<0.1	0.1	<0.1	119	0.20	0.046
102320	Soil	0.7	14.4	1.8	91	<0.1	24.3	22.7	940	5.70	0.8	1.1	<0.5	5.6	19	<0.1	<0.1	<0.1	116	0.61	0.143
102321	Soil	0.8	35.0	13.4	106	<0.1	41.9	18.1	625	5.96	2.8	1.3	<0.5	14.8	17	<0.1	0.2	0.4	106	0.20	0.013
102322	Soil	0.6	21.5	5.0	62	<0.1	30.4	14.0	593	4.48	1.9	1.6	<0.5	7.5	16	<0.1	0.1	0.1	107	0.12	0.034
102323	Soil	2.8	94.5	11.4	104	<0.1	63.0	19.4	1380	4.55	4.5	2.2	1.3	10.4	13	0.1	0.3	0.1	99	0.14	0.019
102324	Soil	2.3	72.5	19.0	106	<0.1	42.9	11.4	523	5.04	2.3	1.2	0.7	5.1	37	<0.1	0.2	0.2	87	0.12	0.042
102325	Soil	1.7	92.8	13.2	109	<0.1	49.5	3.5	356	3.26	3.1	1.4	<0.5	5.7	34	<0.1	0.2	<0.1	102	0.10	0.031
102327	Soil	0.3	20.2	4.0	67	<0.1	9.9	17.1	809	4.44	2.4	0.7	<0.5	2.8	83	<0.1	0.1	<0.1	118	1.43	0.075
102328	Soil	0.2	36.0	2.5	56	<0.1	10.2	14.8	485	3.28	1.9	1.0	<0.5	5.2	14	<0.1	<0.1	<0.1	92	0.52	0.095
102329	Soil	0.2	14.1	4.4	77	<0.1	45.2	16.2	705	3.98	2.6	1.0	<0.5	7.7	19	<0.1	0.1	<0.1	92	0.66	0.210
102330	Soil	0.5	46.5	4.9	115	<0.1	45.4	15.7	397	4.31	2.8	1.1	<0.5	16.7	21	0.2	0.1	<0.1	88	0.45	0.079
102331	Soil	0.2	42.7	11.0	47	<0.1	46.4	14.1	248	4.29	1.6	1.6	0.7	16.5	39	<0.1	0.1	0.2	93	0.48	0.093
102332	Soil	0.1	16.1	1.0	6	<0.1	19.6	5.0	41	0.65	1.5	0.2	<0.5	2.7	6	<0.1	<0.1	<0.1	17	0.16	0.037
102333	Soil	0.6	20.2	5.5	63	<0.1	18.1	13.4	451	3.62	5.5	0.5	<0.5	4.0	17	<0.1	0.2	<0.1	90	0.28	0.061
102334	Soil	1.2	123.8	11.3	122	<0.1	73.5	11.3	642	4.53	5.8	1.2	<0.5	3.5	20	<0.1	0.3	0.1	136	0.15	0.030
102335	Soil	0.7	26.1	6.6	40	0.1	25.5	9.3	194	2.55	4.6	0.7	<0.5	4.2	13	<0.1	0.2	<0.1	66	0.25	0.048
102336	Soil	0.4	45.4	4.4	46	<0.1	79.5	18.0	313	2.98	3.1	0.7	<0.5	5.8	10	<0.1	0.2	<0.1	81	0.26	0.074
102337	Soil	0.5	59.0	3.8	47	<0.1	72.2	20.8	378	2.93	3.1	1.5	<0.5	10.1	15	<0.1	0.2	<0.1	84	0.37	0.102

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
102307	Soil	22	26	0.73	318	0.113	<1	1.79	0.014	0.66	<0.1	<0.01	2.7	0.4	0.13	5	1.8	<0.2
102308	Soil	9	30	0.46	199	0.054	<1	1.25	0.009	0.08	<0.1	0.02	2.2	<0.1	0.05	4	1.6	<0.2
102309	Soil	17	65	1.00	290	0.073	<1	2.00	0.011	0.08	<0.1	0.03	6.5	0.2	0.07	7	3.2	<0.2
102310	Soil	12	32	0.50	194	0.059	1	1.91	0.010	0.06	0.1	0.04	3.4	0.1	<0.05	6	0.9	<0.2
102311	Soil	10	171	2.32	984	0.242	<1	2.71	0.019	1.27	<0.1	0.01	5.7	0.7	0.08	9	0.9	<0.2
102312	Soil	10	38	0.90	362	0.152	<1	2.14	0.013	0.78	<0.1	0.01	3.5	0.5	0.14	6	0.9	<0.2
102313	Soil	12	38	0.70	170	0.074	<1	1.41	0.015	0.16	<0.1	0.02	3.0	0.2	0.10	5	1.9	<0.2
102314	Soil	20	46	0.64	272	0.042	<1	1.63	0.004	0.05	0.1	0.01	4.8	<0.1	<0.05	6	1.2	<0.2
102315	Soil	14	20	0.57	179	0.048	<1	1.20	0.029	0.16	0.1	0.03	3.0	0.1	0.19	4	1.2	<0.2
102316	Soil	17	82	1.39	674	0.147	1	2.63	0.019	0.39	0.2	0.01	6.5	0.2	<0.05	9	0.8	<0.2
102317	Soil	16	58	1.06	352	0.247	2	2.66	0.011	0.91	<0.1	0.01	4.1	0.5	0.09	8	0.7	<0.2
102318	Soil	8	38	0.47	225	0.053	1	2.16	0.009	0.06	0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
102319	Soil	9	38	1.43	326	0.359	<1	3.15	0.009	1.45	0.2	<0.01	11.8	0.5	<0.05	13	<0.5	<0.2
102320	Soil	14	47	2.04	598	0.319	<1	2.93	0.010	1.22	<0.1	0.01	9.0	0.4	<0.05	12	<0.5	<0.2
102321	Soil	18	107	1.54	284	0.445	<1	4.02	0.011	1.44	0.2	<0.01	13.2	0.9	<0.05	17	<0.5	<0.2
102322	Soil	16	89	1.65	365	0.282	<1	3.34	0.012	1.27	0.1	0.01	10.9	0.4	<0.05	12	0.5	<0.2
102323	Soil	39	58	0.81	294	0.123	<1	1.85	0.006	0.72	0.1	0.06	10.3	0.4	<0.05	8	1.0	<0.2
102324	Soil	16	61	1.04	313	0.243	<1	3.27	0.011	1.24	<0.1	0.02	5.8	0.8	<0.05	10	0.8	<0.2
102325	Soil	21	74	1.09	435	0.078	<1	2.44	0.005	0.40	<0.1	0.01	9.7	0.2	<0.05	10	1.0	0.3
102327	Soil	13	16	1.49	290	0.237	<1	4.15	0.024	0.61	0.1	0.03	7.1	0.2	<0.05	10	<0.5	<0.2
102328	Soil	12	29	1.15	217	0.191	<1	2.21	0.022	0.62	<0.1	<0.01	4.1	0.1	<0.05	7	<0.5	<0.2
102329	Soil	21	119	1.97	477	0.213	1	2.51	0.013	1.16	<0.1	<0.01	7.0	0.5	<0.05	11	<0.5	<0.2
102330	Soil	37	96	1.37	215	0.141	<1	2.18	0.012	0.71	<0.1	0.01	10.2	0.4	<0.05	10	0.6	<0.2
102331	Soil	43	73	1.14	974	0.112	<1	3.99	0.026	0.42	<0.1	0.02	9.6	0.1	<0.05	16	0.6	<0.2
102332	Soil	3	59	0.31	50	0.021	<1	0.70	0.006	<0.01	<0.1	<0.01	1.7	<0.1	<0.05	1	<0.5	<0.2
102333	Soil	7	45	1.18	366	0.201	<1	2.29	0.012	0.77	0.1	0.02	4.6	0.2	<0.05	8	<0.5	<0.2
102334	Soil	10	118	1.52	568	0.181	<1	2.98	0.008	0.74	0.2	<0.01	9.9	0.4	<0.05	15	0.9	0.4
102335	Soil	12	57	0.76	168	0.092	<1	1.53	0.009	0.15	0.1	0.03	3.2	0.1	<0.05	6	<0.5	<0.2
102336	Soil	7	229	1.54	156	0.193	<1	2.03	0.008	0.51	<0.1	<0.01	3.0	0.3	<0.05	7	<0.5	<0.2
102337	Soil	22	218	1.64	341	0.246	<1	1.90	0.012	0.88	0.2	<0.01	2.7	0.6	<0.05	7	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	
102338	Soil	0.8	42.6	9.4	56	<0.1	58.1	16.4	316	3.58	9.4	0.7	<0.5	7.5	13	<0.1	0.3	<0.1	85	0.15	0.031
102339	Soil	0.5	66.4	5.5	48	<0.1	56.1	19.9	337	3.27	4.3	0.9	0.5	8.9	37	<0.1	0.2	<0.1	92	0.40	0.043
102340	Soil	0.5	58.8	4.5	60	<0.1	66.2	16.7	315	3.28	4.1	0.9	0.8	5.1	17	<0.1	0.2	<0.1	88	0.47	0.093
102341	Soil	0.5	36.5	4.2	43	<0.1	62.8	17.9	268	2.70	4.2	0.5	<0.5	2.1	12	<0.1	0.2	<0.1	76	0.37	0.093
102342	Soil	0.5	34.6	3.9	42	<0.1	63.7	17.5	264	2.58	3.4	0.5	<0.5	2.0	11	<0.1	0.1	<0.1	73	0.38	0.098
102343	Soil	0.3	557.2	0.8	46	<0.1	559.8	132.0	444	4.84	7.6	0.7	7.2	1.5	7	<0.1	0.6	<0.1	51	0.21	0.016
102344	Soil	0.4	38.3	4.1	27	<0.1	111.4	16.9	201	1.72	2.2	0.4	<0.5	2.0	12	<0.1	0.2	<0.1	31	0.75	0.044
102345	Soil	0.6	255.2	2.4	14	<0.1	166.0	46.8	211	5.60	2.3	0.7	0.7	2.6	14	<0.1	0.2	<0.1	68	0.42	0.137
102346	Soil	<0.1	39.4	2.4	25	<0.1	237.2	19.3	192	2.00	0.8	0.3	<0.5	1.3	11	<0.1	<0.1	<0.1	49	0.30	0.024
102347	Soil	0.6	26.3	6.3	44	<0.1	21.3	11.5	161	2.64	6.1	0.5	<0.5	3.9	15	<0.1	0.3	<0.1	68	0.23	0.023
102348	Soil	0.2	77.3	4.0	35	<0.1	65.2	15.7	145	2.19	3.5	0.5	<0.5	3.1	14	<0.1	0.1	<0.1	51	0.45	0.092
102349	Soil	0.2	31.2	1.7	52	<0.1	17.8	12.7	202	3.29	<0.5	1.0	<0.5	6.6	65	<0.1	<0.1	0.1	93	0.58	0.130
102350	Soil	0.4	40.8	7.3	88	<0.1	45.1	21.9	510	4.45	1.4	1.8	<0.5	19.3	59	<0.1	0.1	<0.1	77	0.39	0.044
102351	Soil	0.2	26.9	2.0	66	<0.1	8.6	16.4	736	3.83	<0.5	1.2	1.6	4.7	27	<0.1	<0.1	<0.1	111	0.61	0.104
112579	Soil	0.5	33.8	5.0	74	<0.1	13.9	16.1	567	3.98	3.0	1.4	<0.5	8.1	38	<0.1	0.2	<0.1	111	0.72	0.083
112580	Soil	0.6	19.7	8.1	61	<0.1	24.8	10.4	318	2.93	5.8	1.1	0.6	7.3	22	<0.1	0.3	0.2	60	0.19	0.016
112581	Soil	0.7	22.4	5.5	48	<0.1	18.4	8.0	261	2.51	5.1	0.5	0.6	3.3	13	<0.1	0.3	0.1	53	0.18	0.034
112582	Soil	0.7	31.6	5.7	64	<0.1	13.7	7.1	579	2.79	1.8	0.9	<0.5	5.0	10	<0.1	0.2	0.2	52	0.11	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:** Taku Gold Corp  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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**Report Date:** August 07, 2011

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# CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
102338	Soil	8	145	1.37	182	0.078	<1	2.56	0.010	0.06	0.1	<0.01	4.0	<0.1	<0.05	8	<0.5	<0.2
102339	Soil	33	101	1.65	217	0.346	1	2.11	0.014	0.43	0.2	<0.01	1.9	0.5	<0.05	8	<0.5	<0.2
102340	Soil	12	112	1.46	283	0.168	<1	1.95	0.013	0.48	<0.1	<0.01	5.7	0.4	<0.05	7	<0.5	<0.2
102341	Soil	7	110	1.27	329	0.228	<1	1.84	0.010	0.30	0.1	<0.01	1.9	0.1	<0.05	6	<0.5	<0.2
102342	Soil	7	109	1.28	330	0.230	<1	1.79	0.010	0.33	0.1	<0.01	1.8	0.2	<0.05	6	0.6	<0.2
102343	Soil	5	232	0.64	184	0.023	<1	0.40	0.004	<0.01	<0.1	0.01	8.0	<0.1	<0.05	2	1.3	<0.2
102344	Soil	6	90	0.90	136	0.036	1	1.16	0.022	0.02	<0.1	<0.01	5.3	<0.1	<0.05	3	<0.5	<0.2
102345	Soil	7	105	0.36	120	0.018	<1	0.66	0.003	0.04	<0.1	<0.01	11.2	<0.1	0.06	2	2.4	<0.2
102346	Soil	5	411	1.88	126	0.118	<1	1.32	0.008	0.08	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
102347	Soil	9	28	0.67	215	0.100	1	1.69	0.011	0.13	<0.1	0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
102348	Soil	7	129	0.91	152	0.146	<1	1.44	0.012	0.24	<0.1	<0.01	2.6	0.2	<0.05	5	<0.5	<0.2
102349	Soil	20	49	1.28	436	0.155	<1	2.07	0.020	0.57	<0.1	<0.01	7.8	0.1	<0.05	8	<0.5	<0.2
102350	Soil	32	75	1.65	512	0.257	<1	3.81	0.024	1.38	<0.1	<0.01	9.3	0.5	<0.05	12	<0.5	<0.2
102351	Soil	16	20	1.25	394	0.239	<1	2.35	0.020	0.91	<0.1	0.01	5.8	0.2	<0.05	7	<0.5	<0.2
112579	Soil	24	29	1.13	371	0.225	<1	2.98	0.028	0.50	<0.1	0.02	5.8	0.2	<0.05	9	<0.5	<0.2
112580	Soil	26	41	0.79	262	0.133	1	2.14	0.015	0.32	<0.1	<0.01	4.6	0.2	<0.05	6	<0.5	<0.2
112581	Soil	13	25	0.61	195	0.109	<1	1.66	0.009	0.15	0.1	0.01	3.8	0.1	<0.05	5	<0.5	<0.2
112582	Soil	16	19	0.65	279	0.151	<1	1.65	0.006	0.57	<0.1	<0.01	5.9	0.3	<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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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QUALITY CONTROL REPORT

WHI11000625.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
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																					
119677	Soil	1.0	27.8	14.6	75	<0.1	29.8	13.7	359	3.22	6.9	1.9	0.6	11.5	61	<0.1	0.2	0.2	62	0.22	0.036
REP 119677	QC	1.0	27.9	14.9	74	<0.1	31.2	13.9	362	3.32	6.8	2.0	<0.5	12.0	62	<0.1	0.2	0.2	63	0.24	0.033
119696	Soil	0.7	86.1	6.0	56	<0.1	59.0	22.7	561	3.94	3.1	0.8	<0.5	7.3	30	<0.1	0.1	0.1	81	0.60	0.132
REP 119696	QC	0.7	89.9	6.0	59	<0.1	60.9	22.9	555	3.91	2.9	0.8	<0.5	7.8	30	<0.1	<0.1	0.1	82	0.60	0.128
119724	Soil	1.3	37.2	6.9	73	0.4	30.8	8.1	175	2.79	2.3	1.5	1.2	6.3	50	<0.1	0.1	0.2	51	0.26	0.044
REP 119724	QC	1.2	35.2	6.8	70	0.4	29.9	7.8	163	2.65	2.2	1.5	2.2	6.1	48	<0.1	0.1	0.2	49	0.24	0.041
121536	Soil	0.9	19.5	9.7	48	<0.1	19.1	8.8	262	2.67	9.0	1.3	2.2	8.5	21	<0.1	0.4	0.2	52	0.28	0.038
REP 121536	QC	1.0	19.2	9.7	48	<0.1	19.1	9.0	265	2.66	8.7	1.2	2.0	8.4	22	<0.1	0.4	0.2	52	0.26	0.038
121546	Soil	0.9	42.4	5.6	61	0.2	21.7	6.5	338	2.05	4.5	1.0	2.7	2.8	21	0.1	0.3	0.1	47	0.14	0.035
REP 121546	QC	0.9	42.7	5.5	62	0.2	22.4	6.6	340	2.05	4.4	1.0	2.7	2.9	22	<0.1	0.3	0.2	47	0.14	0.037
121565	Soil	0.3	31.8	6.4	60	<0.1	20.6	10.0	266	3.24	2.0	1.3	0.9	15.0	15	<0.1	0.1	0.2	50	0.15	0.021
REP 121565	QC	0.4	30.4	6.3	61	<0.1	20.0	10.1	277	3.37	1.8	1.2	0.6	14.6	15	<0.1	<0.1	0.2	51	0.14	0.020
115621	Soil	1.5	25.4	8.7	45	0.4	22.1	7.0	164	2.40	3.8	1.4	1.4	5.3	34	0.2	0.2	0.2	51	0.17	0.027
REP 115621	QC	1.3	25.7	8.4	44	0.4	23.7	7.1	164	2.45	3.6	1.4	<0.5	5.1	35	<0.1	0.2	0.2	50	0.17	0.027
120577	Soil	0.9	37.2	10.0	62	<0.1	32.4	11.1	328	3.08	5.4	1.0	2.7	4.5	35	0.1	0.4	0.2	68	0.36	0.038
REP 120577	QC	1.1	37.5	10.4	61	<0.1	32.8	10.8	326	2.98	5.3	1.0	<0.5	4.3	33	0.1	0.4	0.1	66	0.34	0.041
104485	Soil	5.3	54.8	9.9	75	1.0	21.3	4.2	210	2.56	3.4	2.6	2.0	4.3	15	0.2	0.3	0.2	102	0.09	0.070
REP 104485	QC	5.5	56.0	10.1	78	1.1	21.7	4.5	228	2.72	3.6	2.9	2.4	4.6	16	0.3	0.4	0.2	109	0.11	0.074
104495	Soil	0.2	32.2	14.5	89	<0.1	43.0	16.1	563	4.32	1.1	1.5	<0.5	16.9	50	<0.1	0.2	0.4	55	0.34	0.043
REP 104495	QC	0.2	31.8	14.8	90	<0.1	43.3	16.0	563	4.27	1.1	1.6	2.2	17.4	53	<0.1	0.1	0.4	54	0.34	0.044
104517	Soil	1.1	26.8	10.2	121	0.7	51.0	14.4	534	4.03	7.5	0.6	3.9	4.1	21	0.3	0.3	0.2	83	0.13	0.039
REP 104517	QC	1.2	26.8	10.2	122	0.8	50.0	14.3	527	3.92	7.3	0.6	5.8	4.2	21	0.2	0.4	0.2	80	0.13	0.041
104526	Soil	3.0	46.2	12.0	62	0.6	23.9	6.3	182	2.23	8.0	2.1	2.9	0.3	27	0.5	0.4	0.2	55	0.17	0.071
REP 104526	QC	3.1	46.1	12.7	61	0.6	23.5	6.3	186	2.25	7.5	2.1	1.4	0.3	27	0.5	0.4	0.2	55	0.17	0.072
117626	Soil	0.8	18.5	13.9	69	<0.1	24.9	10.9	358	3.64	7.7	0.9	0.7	7.3	20	<0.1	0.4	0.3	69	0.15	0.037
REP 117626	QC	1.0	18.1	14.0	69	<0.1	23.1	10.5	366	3.57	7.8	0.9	3.3	7.6	19	<0.1	0.5	0.3	67	0.15	0.036
117655	Soil	0.3	35.2	14.6	91	<0.1	35.3	15.7	546	4.59	1.6	1.6	<0.5	19.1	19	<0.1	0.2	0.3	66	0.19	0.026
REP 117655	QC	0.4	36.0	14.9	90	<0.1	36.2	15.7	543	4.56	1.5	1.5	<0.5	19.3	19	<0.1	0.2	0.3	66	0.19	0.029

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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:** Taku Gold Corp  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

**Project:** DAN  
**Report Date:** August 07, 2011

**Page:** 1 of 3 Part 2

QUALITY CONTROL REPORT

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
119677	Soil	14	47	0.65	303	0.086	<1	3.48	0.019	0.36	<0.1	<0.01	5.3	0.3	<0.05	10	<0.5	<0.2
REP 119677	QC	14	48	0.67	306	0.090	<1	3.37	0.020	0.36	<0.1	0.02	5.5	0.3	<0.05	9	<0.5	<0.2
119696	Soil	19	87	0.91	270	0.108	<1	1.95	0.019	0.31	<0.1	<0.01	6.1	0.1	<0.05	6	<0.5	<0.2
REP 119696	QC	19	85	0.94	275	0.110	1	1.99	0.018	0.32	<0.1	0.01	6.0	0.1	<0.05	7	0.7	<0.2
119724	Soil	21	28	0.78	412	0.105	<1	1.85	0.013	0.44	<0.1	0.01	2.9	0.3	0.09	5	1.6	<0.2
REP 119724	QC	22	27	0.73	405	0.101	<1	1.75	0.012	0.42	<0.1	0.02	3.0	0.3	0.06	5	1.4	<0.2
121536	Soil	28	29	0.50	227	0.084	1	1.61	0.011	0.13	0.1	0.04	4.1	0.1	<0.05	5	0.6	<0.2
REP 121536	QC	28	29	0.50	222	0.081	<1	1.58	0.011	0.13	0.1	0.04	4.1	0.1	<0.05	6	0.6	<0.2
121546	Soil	11	28	0.74	472	0.082	2	1.34	0.009	0.15	0.1	<0.01	3.9	0.1	<0.05	4	1.0	<0.2
REP 121546	QC	11	28	0.75	467	0.081	1	1.33	0.010	0.15	0.1	0.02	3.9	0.1	<0.05	4	<0.5	<0.2
121565	Soil	22	43	0.94	138	0.230	<1	2.42	0.007	0.74	0.2	<0.01	5.9	0.4	<0.05	10	<0.5	<0.2
REP 121565	QC	22	44	0.99	138	0.239	<1	2.46	0.006	0.79	0.2	<0.01	6.0	0.4	<0.05	10	<0.5	<0.2
115621	Soil	18	25	0.55	230	0.096	<1	1.74	0.012	0.29	0.1	<0.01	2.4	0.2	<0.05	5	1.4	<0.2
REP 115621	QC	18	25	0.55	229	0.097	<1	1.76	0.012	0.28	<0.1	0.02	2.5	0.2	<0.05	5	1.1	<0.2
120577	Soil	14	65	0.98	141	0.114	<1	2.12	0.015	0.08	0.1	<0.01	3.9	<0.1	<0.05	7	<0.5	<0.2
REP 120577	QC	14	64	0.97	148	0.103	<1	2.16	0.022	0.07	0.1	0.01	3.7	<0.1	<0.05	7	0.8	<0.2
104485	Soil	20	44	0.67	309	0.088	<1	1.41	0.005	0.19	0.1	<0.01	3.1	0.3	0.06	5	5.7	0.3
REP 104485	QC	20	46	0.68	317	0.094	1	1.48	0.005	0.20	0.1	<0.01	3.3	0.3	0.06	5	5.2	0.4
104495	Soil	28	54	1.12	324	0.336	<1	2.96	0.016	1.40	<0.1	0.01	5.1	0.8	<0.05	10	<0.5	<0.2
REP 104495	QC	29	51	1.13	322	0.323	<1	2.97	0.016	1.37	<0.1	<0.01	5.0	0.8	<0.05	10	<0.5	<0.2
104517	Soil	12	64	0.91	323	0.096	1	2.42	0.007	0.17	0.1	0.02	4.1	0.2	<0.05	9	<0.5	<0.2
REP 104517	QC	12	62	0.90	317	0.097	<1	2.53	0.008	0.17	0.1	0.01	4.2	0.2	<0.05	9	<0.5	<0.2
104526	Soil	13	28	0.35	427	0.039	1	1.39	0.009	0.07	0.1	0.12	1.6	<0.1	0.06	5	1.8	<0.2
REP 104526	QC	12	28	0.36	411	0.037	1	1.40	0.008	0.07	0.1	0.12	1.7	<0.1	0.06	5	1.3	<0.2
117626	Soil	14	38	0.64	198	0.122	2	2.37	0.009	0.21	0.1	0.01	3.5	0.2	<0.05	9	<0.5	<0.2
REP 117626	QC	14	37	0.66	202	0.125	1	2.42	0.010	0.21	0.2	0.01	3.5	0.2	<0.05	9	<0.5	<0.2
117655	Soil	52	60	1.13	384	0.308	<1	3.32	0.026	1.15	0.2	<0.01	8.6	0.8	<0.05	14	0.5	<0.2
REP 117655	QC	52	58	1.12	376	0.307	<1	3.36	0.025	1.14	0.2	<0.01	8.8	0.8	<0.05	13	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

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		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
102291	Soil	1.3	56.9	7.5	81	<0.1	78.6	13.0	622	3.45	2.3	1.1	2.0	4.8	23	<0.1	0.2	0.2	89	0.31	0.023
REP 102291	QC	1.1	57.6	7.5	79	<0.1	77.5	13.1	617	3.44	2.1	1.1	1.6	4.9	22	0.1	0.2	0.2	90	0.30	0.024
102307	Soil	0.8	29.3	8.8	98	0.2	23.6	6.6	121	3.22	1.1	1.0	3.2	6.1	18	0.1	0.1	0.2	43	0.06	0.032
REP 102307	QC	0.7	29.1	8.8	98	0.2	24.3	6.7	123	3.21	1.2	1.0	3.0	6.0	18	<0.1	0.1	0.2	44	0.06	0.033
102325	Soil	1.7	92.8	13.2	109	<0.1	49.5	3.5	356	3.26	3.1	1.4	<0.5	5.7	34	<0.1	0.2	<0.1	102	0.10	0.031
REP 102325	QC	1.7	92.0	13.0	111	<0.1	47.8	3.4	354	3.21	2.9	1.4	<0.5	5.9	33	<0.1	0.3	<0.1	102	0.10	0.031
102339	Soil	0.5	66.4	5.5	48	<0.1	56.1	19.9	337	3.27	4.3	0.9	0.5	8.9	37	<0.1	0.2	<0.1	92	0.40	0.043
REP 102339	QC	0.4	65.3	5.6	47	<0.1	55.2	19.8	326	3.14	4.1	1.0	<0.5	8.7	36	<0.1	0.2	<0.1	87	0.38	0.043
Reference Materials																					
STD DS8	Standard	12.9	96.9	104.7	297	1.7	37.7	7.5	603	2.39	27.0	2.4	113.6	6.2	59	2.2	5.0	6.1	42	0.68	0.077
STD DS8	Standard	12.8	97.0	105.1	295	1.7	36.8	7.2	580	2.32	26.7	2.4	105.2	5.9	63	2.2	4.8	5.7	41	0.68	0.074
STD DS8	Standard	13.3	105.8	135.0	304	1.8	37.5	7.3	613	2.45	26.3	2.9	121.1	7.4	77	2.8	6.1	7.2	41	0.71	0.076
STD DS8	Standard	13.8	101.0	131.2	303	1.8	36.2	7.2	608	2.37	26.5	2.9	108.9	7.3	77	2.8	6.2	7.1	40	0.68	0.078
STD DS8	Standard	13.5	102.9	129.7	320	1.9	36.3	7.0	604	2.39	28.3	3.0	115.2	7.3	79	2.5	6.0	7.3	41	0.70	0.078
STD DS8	Standard	12.8	105.3	131.3	318	1.8	35.1	7.3	615	2.47	27.0	3.0	111.6	7.4	79	2.3	6.1	7.2	41	0.72	0.081
STD DS8	Standard	14.6	117.5	136.2	319	1.9	40.3	7.8	648	2.56	28.5	3.0	117.1	7.3	70	2.6	6.0	6.8	43	0.76	0.083
STD DS8	Standard	14.2	110.9	127.2	307	1.8	37.7	7.5	628	2.48	26.9	3.0	106.1	7.5	67	2.2	5.8	6.5	42	0.73	0.079
STD DS8	Standard	13.0	101.5	126.1	289	1.6	36.0	7.2	579	2.37	26.4	2.7	100.8	7.1	62	2.2	5.1	6.0	47	0.67	0.072
STD DS8	Standard	13.4	106.2	125.8	304	1.7	36.8	7.3	601	2.37	26.4	2.7	101.2	6.8	64	2.4	5.5	5.9	48	0.70	0.074
STD DS8	Standard	11.7	97.7	117.0	310	1.8	34.8	6.9	612	2.43	27.3	2.5	119.4	6.2	62	2.4	5.2	6.3	38	0.66	0.078
STD DS8	Standard	12.6	102.2	111.0	310	1.8	34.2	6.9	618	2.48	26.3	2.5	106.1	6.1	64	2.4	5.3	6.2	39	0.69	0.083
STD DS8	Standard	12.1	103.7	138.0	308	1.7	35.3	7.0	597	2.40	27.5	3.0	105.8	7.4	74	2.3	6.3	7.5	39	0.66	0.084
STD DS8	Standard	12.6	100.6	136.8	289	1.6	34.6	6.8	561	2.31	25.2	3.1	98.4	7.7	73	2.2	6.3	7.3	40	0.65	0.076
STD DS8	Standard	14.2	112.2	133.2	323	1.9	39.2	7.6	644	2.81	27.5	2.9	104.4	7.3	63	2.2	5.4	5.9	45	0.73	0.081
STD DS8	Standard	13.3	112.2	123.3	317	1.8	38.9	7.7	608	2.49	27.1	2.8	112.3	6.6	72	2.2	5.5	6.6	42	0.68	0.080
STD DS8	Standard	13.7	108.5	124.5	302	1.8	39.2	7.4	608	2.42	25.9	2.7	109.8	6.6	64	2.3	5.2	6.2	42	0.68	0.075
STD DS8	Standard	13.2	108.3	125.5	303	1.7	37.7	7.3	599	2.37	24.9	2.7	112.6	6.8	66	2.3	5.1	5.9	43	0.68	0.073
STD DS8	Standard	13.4	110.7	124.9	313	1.8	37.3	7.4	626	2.44	27.9	2.9	116.6	7.4	68	2.6	5.9	7.1	41	0.70	0.080
STD DS8	Standard	12.9	108.0	123.1	310	1.7	36.6	7.3	600	2.39	26.2	2.9	103.7	7.3	67	2.2	5.6	6.9	42	0.68	0.080

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Project: DAN  
 Report Date: August 07, 2011

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000625.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
102291	Soil	25	177	1.52	373	0.203	<1	2.56	0.009	0.71	<0.1	0.01	6.5	0.5	<0.05	9	0.5	<0.2
REP 102291	QC	25	176	1.48	372	0.196	<1	2.56	0.009	0.66	<0.1	0.02	6.3	0.5	<0.05	8	<0.5	<0.2
102307	Soil	22	26	0.73	318	0.113	<1	1.79	0.014	0.66	<0.1	<0.01	2.7	0.4	0.13	5	1.8	<0.2
REP 102307	QC	22	27	0.73	311	0.112	<1	1.78	0.014	0.70	<0.1	<0.01	2.9	0.4	0.14	5	1.1	<0.2
102325	Soil	21	74	1.09	435	0.078	<1	2.44	0.005	0.40	<0.1	0.01	9.7	0.2	<0.05	10	1.0	0.3
REP 102325	QC	21	74	1.13	442	0.078	<1	2.56	0.005	0.41	<0.1	0.01	9.9	0.2	<0.05	10	1.0	0.2
102339	Soil	33	101	1.65	217	0.346	1	2.11	0.014	0.43	0.2	<0.01	1.9	0.5	<0.05	8	<0.5	<0.2
REP 102339	QC	33	98	1.63	213	0.306	<1	2.09	0.014	0.41	0.2	<0.01	1.7	0.5	<0.05	7	0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	116	0.59	274	0.110	3	0.87	0.088	0.41	3.0	0.24	1.9	5.3	0.17	5	4.7	5.0
STD DS8	Standard	15	115	0.58	274	0.113	2	0.86	0.088	0.40	2.8	0.17	1.9	5.1	0.16	5	5.1	5.0
STD DS8	Standard	16	116	0.60	283	0.121	3	0.97	0.109	0.43	3.1	0.22	2.1	5.1	0.15	5	4.8	5.0
STD DS8	Standard	15	111	0.59	283	0.117	2	0.93	0.099	0.41	3.0	0.19	2.1	5.3	0.15	5	5.6	4.8
STD DS8	Standard	16	112	0.60	289	0.118	2	0.95	0.107	0.45	2.8	0.19	2.3	5.4	0.13	5	5.9	4.3
STD DS8	Standard	15	113	0.64	282	0.119	2	0.99	0.112	0.45	3.0	0.22	2.5	5.3	0.15	5	4.4	5.1
STD DS8	Standard	16	120	0.64	300	0.122	2	0.95	0.098	0.45	3.0	0.23	2.3	5.7	0.17	5	5.4	5.1
STD DS8	Standard	16	117	0.61	293	0.121	2	0.93	0.092	0.44	2.9	0.22	2.4	5.4	0.14	5	5.4	5.0
STD DS8	Standard	15	111	0.52	263	0.110	3	0.86	0.084	0.39	2.8	0.20	2.0	5.0	0.18	4	5.0	4.4
STD DS8	Standard	15	111	0.54	275	0.115	3	0.86	0.087	0.41	3.1	0.18	2.2	5.2	0.18	4	5.6	4.7
STD DS8	Standard	14	110	0.61	274	0.107	2	0.87	0.084	0.42	3.1	0.21	2.1	5.5	0.14	5	5.2	5.1
STD DS8	Standard	15	110	0.62	293	0.109	2	0.91	0.090	0.41	3.2	0.20	2.2	5.4	0.13	5	5.2	5.2
STD DS8	Standard	14	109	0.64	281	0.113	2	0.88	0.089	0.44	2.9	0.22	1.8	5.2	0.17	4	6.2	4.8
STD DS8	Standard	15	106	0.60	271	0.121	2	0.88	0.087	0.39	2.8	0.19	2.0	5.1	0.15	5	4.7	5.1
STD DS8	Standard	15	122	0.63	283	0.127	3	0.95	0.095	0.45	3.1	0.20	2.6	5.5	0.15	5	5.2	5.2
STD DS8	Standard	15	116	0.59	284	0.124	3	0.92	0.099	0.44	2.9	0.21	2.6	5.5	0.12	5	4.9	5.0
STD DS8	Standard	15	117	0.59	278	0.119	2	0.91	0.087	0.41	3.1	0.20	2.3	5.3	0.11	5	5.1	5.0
STD DS8	Standard	16	117	0.58	276	0.120	3	0.88	0.083	0.40	2.9	0.19	2.3	5.3	0.10	5	4.9	4.7
STD DS8	Standard	16	117	0.62	286	0.122	3	0.91	0.090	0.42	3.0	0.20	2.2	5.4	0.16	5	5.6	4.8
STD DS8	Standard	15	112	0.60	280	0.118	3	0.90	0.089	0.39	2.9	0.21	2.1	5.3	0.14	5	5.1	4.9



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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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QUALITY CONTROL REPORT

WHI11000625.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	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
STD DS8	Standard	12.5	110.6	125.6	319	1.8	38.2	7.7	616	2.50	26.8	2.8	113.5	6.8	55	2.5	4.5	5.4	42	0.67	0.081
STD DS8	Standard	14.2	114.9	121.9	317	1.9	39.8	7.9	624	2.54	27.0	2.7	112.4	6.9	59	2.4	4.9	5.5	45	0.70	0.082
STD DS8	Standard	13.6	105.5	131.4	311	1.9	37.5	7.5	637	2.48	25.6	2.7	105.4	6.9	70	2.3	5.6	6.4	45	0.68	0.081
STD DS8	Standard	12.5	103.4	124.7	303	1.8	34.9	6.9	592	2.37	26.1	2.6	112.7	6.6	63	2.5	5.1	6.4	40	0.64	0.078
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<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
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:** Taku Gold Corp  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

**Project:** DAN  
**Report Date:** August 07, 2011

**Page:** 3 of 3 **Part** 2

QUALITY CONTROL REPORT

WHI11000625.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	12	120	0.63	265	0.104	3	0.90	0.087	0.41	2.9	0.20	2.2	5.4	0.17	5	5.4	5.1
STD DS8	Standard	15	122	0.63	285	0.116	3	0.97	0.091	0.44	3.0	0.18	2.4	5.3	0.14	5	5.3	4.2
STD DS8	Standard	14	117	0.62	289	0.111	2	0.91	0.099	0.42	3.1	0.21	2.0	5.5	0.18	5	5.5	4.8
STD DS8	Standard	14	109	0.60	278	0.108	2	0.86	0.080	0.40	3.0	0.20	2.1	5.3	0.18	5	5.3	5.0
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5 Canada

Submitted By: Lauren Wilson
Receiving Lab: Canada-Whitehorse
Received: July 15, 2011
Report Date: August 05, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000629.1

CLIENT JOB INFORMATION

Project: DAN
Shipment ID: 20110707100738
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil 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: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Mark Fekete

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX2.

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. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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

www.acmelab.com

Client: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000629.1

Method	Analyte	Unit	MDL	1DX15 Mo ppm	1DX15 Cu ppm	1DX15 Pb ppm	1DX15 Zn ppm	1DX15 Ag ppm	1DX15 Ni ppm	1DX15 Co ppm	1DX15 Mn ppm	1DX15 Fe %	1DX15 As ppm	1DX15 U ppm	1DX15 Au ppb	1DX15 Th ppm	1DX15 Sr ppm	1DX15 Cd ppm	1DX15 Sb ppm	1DX15 Bi ppm	1DX15 V ppm	1DX15 Ca %	1DX15 P %
122131	Soil			0.7	29.5	8.1	116	<0.1	19.0	12.5	401	2.89	7.1	0.5	2.8	3.5	11	0.2	0.3	0.3	51	0.12	0.037
122132	Soil			1.2	33.3	2.2	93	<0.1	9.5	23.6	1176	3.05	2.5	0.9	0.6	3.9	10	0.4	<0.1	0.3	28	0.21	0.064
122133	Soil			0.8	32.2	6.0	67	0.1	13.1	6.8	276	2.46	4.6	0.8	1.2	2.8	15	<0.1	0.3	0.2	49	0.23	0.054
122134	Soil			1.7	85.4	5.8	164	<0.1	27.0	17.4	427	4.55	2.2	1.6	1.1	7.2	12	0.5	0.1	0.2	102	0.30	0.099
122135	Soil			0.9	33.7	6.5	76	<0.1	14.0	6.7	246	3.24	6.4	0.5	1.1	3.1	9	0.2	0.3	0.2	57	0.11	0.031
122136	Soil			0.9	28.8	6.3	59	<0.1	14.4	6.7	249	2.66	6.4	0.8	3.2	3.3	15	0.2	0.2	0.2	51	0.20	0.043
122137	Soil			0.9	35.9	4.5	59	<0.1	14.7	8.0	395	3.49	3.1	0.8	1.6	4.0	9	0.2	0.1	0.2	67	0.16	0.069
122138	Soil			0.9	54.4	3.0	51	<0.1	13.6	13.1	683	4.10	3.1	0.7	6.5	3.1	9	0.1	0.2	0.1	61	0.19	0.067
122139	Soil			2.1	47.8	7.4	115	<0.1	4.8	8.9	609	3.82	2.7	0.5	<0.5	2.2	10	0.3	0.1	0.1	71	0.07	0.047
122140	Soil			1.2	50.4	4.8	62	0.1	19.0	11.5	221	3.01	2.6	0.7	2.7	2.2	19	<0.1	0.1	0.3	48	0.21	0.036
122141	Soil			0.9	53.7	4.1	69	<0.1	18.7	12.1	222	2.66	2.0	0.6	2.4	2.0	16	<0.1	0.1	0.3	46	0.23	0.032
122142	Soil			4.7	101.9	4.0	71	<0.1	18.7	6.2	433	3.12	2.6	1.3	<0.5	7.0	7	0.2	0.1	0.7	38	0.10	0.037
122143	Soil			1.2	26.6	12.7	65	<0.1	17.8	10.3	281	2.96	8.0	0.8	2.1	4.2	15	0.2	0.4	0.3	59	0.17	0.047
122144	Soil			1.2	64.6	9.5	72	<0.1	21.7	15.2	522	3.59	5.4	1.0	2.2	6.4	11	0.2	0.3	0.2	72	0.14	0.041
122145	Soil			2.4	58.2	6.5	156	<0.1	25.2	16.7	595	4.81	2.9	1.0	<0.5	5.4	6	0.2	0.2	0.3	63	0.06	0.045
122146	Soil			1.1	53.2	4.0	65	<0.1	25.6	16.3	626	5.04	1.2	0.9	<0.5	6.2	7	0.2	0.1	0.1	99	0.09	0.042
122147	Soil			1.0	31.3	3.2	69	<0.1	16.7	11.8	515	4.30	1.4	1.0	0.8	4.6	10	<0.1	<0.1	0.1	80	0.19	0.062
122148	Soil			1.1	20.8	5.9	66	0.1	12.4	9.3	541	3.80	1.4	0.8	0.5	4.0	13	0.1	0.1	0.2	64	0.26	0.072
122149	Soil			1.0	21.6	5.1	65	0.1	12.0	9.4	487	3.61	3.1	0.8	2.4	3.2	13	<0.1	0.1	0.2	65	0.24	0.075
122150	Soil			0.7	23.1	5.1	59	<0.1	14.0	8.2	359	2.97	4.0	0.7	1.7	2.8	18	<0.1	0.2	0.1	57	0.24	0.046
122151	Soil			0.6	37.3	2.7	81	<0.1	10.6	14.3	633	4.92	1.0	0.7	<0.5	2.8	12	0.1	<0.1	<0.1	120	0.42	0.124
122152	Soil			1.2	31.7	6.7	53	<0.1	22.4	14.1	376	4.58	5.9	0.6	1.5	3.5	9	0.1	0.2	0.1	71	0.10	0.026
122153	Soil			1.3	33.6	5.0	103	<0.1	14.4	17.1	824	5.40	0.9	0.6	<0.5	2.7	5	0.3	<0.1	0.1	96	0.04	0.045
122155	Soil			0.7	54.3	5.0	97	<0.1	31.3	17.9	936	2.88	0.8	0.6	1.4	4.3	16	0.2	<0.1	0.3	51	0.27	0.067
122156	Soil			1.6	37.3	32.2	33	<0.1	4.8	2.0	313	3.97	1.3	0.9	1.1	5.3	14	<0.1	<0.1	0.2	121	0.27	0.068
122157	Soil			1.3	38.0	15.0	77	<0.1	7.3	13.1	439	3.80	0.8	0.5	2.9	2.8	23	0.1	<0.1	0.3	88	0.47	0.061
122158	Soil			0.6	27.1	5.4	113	<0.1	16.3	14.6	1185	3.43	2.0	1.0	2.6	4.4	15	0.2	0.2	0.1	60	0.25	0.030
122159	Soil			0.7	22.2	7.2	52	<0.1	17.9	9.0	260	2.61	6.3	0.8	3.2	4.2	16	<0.1	0.4	0.1	55	0.19	0.034
122160	Soil			1.3	95.2	6.6	104	<0.1	28.8	22.9	999	6.18	3.3	0.8	2.6	3.5	10	<0.1	0.2	0.3	129	0.17	0.054
122161	Soil			0.9	103.4	13.2	131	<0.1	6.2	8.2	457	5.40	3.0	0.5	0.7	2.4	21	0.2	0.2	0.4	96	0.09	0.068

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
122131	Soil	10	52	0.80	148	0.055	1	2.31	0.009	0.13	<0.1	0.06	4.6	<0.1	<0.05	6	<0.5	<0.2
122132	Soil	17	9	1.19	403	0.107	<1	1.75	0.016	0.50	<0.1	0.02	5.4	0.3	<0.05	7	<0.5	<0.2
122133	Soil	12	20	0.64	264	0.074	2	1.50	0.010	0.10	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
122134	Soil	34	29	1.63	434	0.151	<1	3.41	0.017	1.04	<0.1	0.02	10.2	0.3	<0.05	12	0.7	<0.2
122135	Soil	9	21	0.67	208	0.092	<1	2.20	0.007	0.14	0.1	0.03	4.5	<0.1	<0.05	7	<0.5	<0.2
122136	Soil	14	23	0.67	260	0.075	2	1.75	0.009	0.10	0.1	0.03	4.5	<0.1	<0.05	6	<0.5	<0.2
122137	Soil	17	25	1.12	385	0.106	<1	2.33	0.011	0.42	<0.1	0.02	6.9	<0.1	<0.05	9	<0.5	<0.2
122138	Soil	14	18	1.58	631	0.128	<1	2.67	0.014	0.71	0.1	0.02	9.9	0.2	<0.05	9	<0.5	<0.2
122139	Soil	9	10	1.59	452	0.137	<1	2.52	0.016	0.79	<0.1	0.02	9.5	0.2	<0.05	10	<0.5	<0.2
122140	Soil	8	95	1.15	231	0.029	1	1.89	0.015	0.03	<0.1	0.02	5.5	<0.1	<0.05	4	<0.5	<0.2
122141	Soil	8	93	1.13	210	0.027	<1	1.85	0.016	0.03	<0.1	0.02	5.1	<0.1	<0.05	4	<0.5	<0.2
122142	Soil	24	34	1.23	313	0.099	<1	2.34	0.012	0.49	<0.1	0.01	4.9	0.1	<0.05	8	<0.5	0.2
122143	Soil	16	31	0.66	224	0.085	1	2.01	0.011	0.12	0.1	0.03	4.3	0.1	<0.05	7	<0.5	<0.2
122144	Soil	23	40	1.27	424	0.120	1	2.71	0.014	0.36	0.1	0.03	6.7	0.2	<0.05	8	<0.5	<0.2
122145	Soil	18	29	1.50	374	0.144	<1	2.76	0.011	0.57	<0.1	0.01	9.2	0.2	<0.05	10	<0.5	<0.2
122146	Soil	18	52	2.06	445	0.112	<1	3.20	0.014	0.53	<0.1	0.01	11.8	0.2	<0.05	10	<0.5	<0.2
122147	Soil	18	44	1.73	540	0.116	1	2.49	0.015	0.60	<0.1	0.02	12.1	0.2	<0.05	10	<0.5	<0.2
122148	Soil	16	46	1.65	489	0.113	<1	2.22	0.015	0.56	<0.1	0.02	8.8	0.2	<0.05	9	<0.5	<0.2
122149	Soil	14	28	1.10	394	0.106	<1	1.87	0.011	0.40	<0.1	0.02	7.0	0.1	<0.05	7	<0.5	<0.2
122150	Soil	13	29	1.01	285	0.106	1	1.92	0.010	0.20	<0.1	0.03	6.6	0.1	<0.05	7	<0.5	<0.2
122151	Soil	12	21	2.27	520	0.146	<1	2.48	0.009	0.71	<0.1	0.02	17.6	0.3	<0.05	10	<0.5	<0.2
122152	Soil	10	33	1.47	391	0.156	<1	3.44	0.011	0.55	<0.1	0.02	9.1	0.2	<0.05	9	<0.5	<0.2
122153	Soil	10	52	1.71	577	0.172	1	2.44	0.014	0.75	<0.1	0.04	16.8	0.2	<0.05	10	<0.5	<0.2
122155	Soil	10	111	1.23	358	0.034	<1	2.26	0.017	0.20	<0.1	0.01	5.9	<0.1	<0.05	6	<0.5	<0.2
122156	Soil	11	9	1.50	637	0.082	<1	2.95	0.022	0.63	<0.1	<0.01	11.4	0.1	<0.05	10	1.3	<0.2
122157	Soil	17	7	1.33	391	0.060	2	2.69	0.020	0.54	<0.1	0.02	12.2	0.2	<0.05	9	<0.5	<0.2
122158	Soil	20	27	1.38	440	0.070	<1	2.28	0.009	0.30	<0.1	0.02	10.5	0.2	<0.05	9	<0.5	<0.2
122159	Soil	17	30	0.77	240	0.090	2	1.85	0.011	0.14	<0.1	0.04	4.8	0.1	<0.05	6	<0.5	<0.2
122160	Soil	15	235	3.72	210	0.082	<1	3.87	0.011	0.11	<0.1	0.02	17.9	<0.1	<0.05	14	<0.5	<0.2
122161	Soil	11	19	2.26	555	0.139	<1	3.84	0.022	0.74	<0.1	0.01	12.6	0.2	0.18	10	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
				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	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001
122162	Soil			0.9	32.9	7.8	75	<0.1	21.7	12.0	333	3.57	7.1	0.7	0.6	4.7	19	0.1	0.4	0.2	75	0.23	0.025
122163	Soil			1.6	247.4	7.9	190	<0.1	21.2	21.5	540	5.63	1.7	1.0	<0.5	6.0	6	1.1	<0.1	0.2	172	0.21	0.108
122164	Soil			0.9	28.8	7.8	67	<0.1	20.7	9.5	309	2.74	8.3	0.8	3.5	3.1	19	0.2	0.4	0.2	58	0.22	0.041
122165	Soil			0.9	18.7	9.8	51	<0.1	15.9	7.4	213	2.85	8.5	0.7	1.7	2.0	17	0.2	0.4	0.2	62	0.17	0.053
122166	Soil			0.9	27.0	8.2	60	<0.1	21.6	10.0	342	2.87	10.2	0.9	4.5	5.2	16	0.1	0.5	0.2	62	0.17	0.030
122167	Soil			0.8	37.6	8.7	62	<0.1	27.6	10.3	358	2.81	8.0	1.1	3.2	5.4	17	<0.1	0.4	0.2	60	0.17	0.028
122168	Soil			1.2	22.9	10.7	70	<0.1	20.2	10.8	292	3.00	8.8	0.8	1.6	4.6	11	<0.1	0.4	0.2	65	0.09	0.025
122169	Soil			0.7	64.4	9.7	81	<0.1	27.7	12.5	430	2.81	6.8	1.0	2.3	4.9	11	0.2	0.3	0.2	61	0.14	0.039
122170	Soil			1.1	30.9	10.4	71	<0.1	23.0	15.0	489	2.85	9.1	0.7	1.4	4.1	13	0.3	0.4	0.2	64	0.13	0.032
122171	Soil			0.6	39.2	8.0	54	<0.1	22.6	11.3	365	2.48	7.8	1.8	5.9	4.1	16	0.1	0.4	0.2	54	0.21	0.036
122172	Soil			0.8	41.9	10.0	70	<0.1	22.0	12.3	349	2.68	8.4	1.2	2.9	4.6	15	0.1	0.4	0.2	60	0.19	0.025
122173	Soil			1.0	64.2	17.9	131	<0.1	31.5	12.4	407	3.05	9.8	1.4	2.5	6.3	29	0.2	0.4	0.3	75	0.32	0.031
122174	Soil			0.7	31.2	10.9	62	<0.1	22.0	9.8	326	2.89	6.4	1.0	1.7	5.7	14	<0.1	0.3	0.2	60	0.20	0.031
122175	Soil			0.7	54.1	14.9	78	<0.1	38.6	11.3	277	3.24	5.8	2.0	2.3	10.2	18	0.1	0.4	0.2	65	0.24	0.019
122176	Soil			1.0	33.5	11.3	70	<0.1	31.7	9.1	157	3.00	4.6	1.4	1.8	11.2	12	<0.1	0.2	0.2	48	0.13	0.030
122177	Soil			1.3	49.6	15.0	85	<0.1	32.0	12.6	300	3.48	7.3	1.6	3.0	10.7	18	<0.1	0.3	0.2	66	0.17	0.031
122178	Soil			0.9	30.6	10.3	55	<0.1	28.5	10.8	224	2.84	10.0	0.9	3.2	5.3	12	<0.1	0.5	0.2	60	0.11	0.020
122179	Soil			1.0	31.7	14.6	71	<0.1	31.8	9.4	187	3.10	5.1	1.0	<0.5	7.4	11	0.1	0.3	0.2	50	0.09	0.036
122180	Soil			0.9	51.5	14.5	60	0.2	30.2	9.9	96	3.70	6.7	1.8	0.9	12.8	18	<0.1	0.3	0.3	52	0.06	0.030
122181	Soil			0.8	32.8	12.7	61	0.3	38.6	10.8	146	2.84	5.4	1.6	1.1	10.5	12	<0.1	0.3	0.2	46	0.13	0.017
122182	Soil			1.1	28.9	11.7	50	0.1	29.1	9.2	140	3.05	4.6	1.0	<0.5	7.6	14	<0.1	0.2	0.2	55	0.11	0.030
122183	Soil			1.2	41.1	13.5	67	0.1	36.8	11.0	202	3.38	5.2	1.5	<0.5	10.5	10	<0.1	0.2	0.3	45	0.08	0.042
122184	Soil			1.2	39.5	12.3	61	<0.1	30.9	11.0	264	3.28	7.0	3.1	1.9	9.0	23	<0.1	0.4	0.2	61	0.25	0.034
122185	Soil			1.2	49.2	11.5	66	<0.1	38.2	10.7	227	2.95	4.8	0.7	<0.5	3.9	18	0.1	0.2	0.1	62	0.35	0.055
122186	Soil			1.2	33.4	9.3	55	<0.1	26.4	11.5	354	2.88	6.5	1.1	0.6	5.0	26	<0.1	0.4	0.1	63	0.34	0.034
112556	Soil			0.9	24.6	18.4	75	0.2	21.3	6.9	230	2.77	5.1	1.2	3.1	6.2	16	0.1	0.3	0.2	48	0.14	0.032
105424	Soil			3.1	19.8	4.7	40	<0.1	1.7	0.7	92	5.97	5.9	0.5	1.1	3.4	11	<0.1	<0.1	0.1	6	0.01	0.028
105425	Soil			0.7	18.0	7.3	65	<0.1	13.9	8.4	525	2.94	5.6	0.7	<0.5	4.3	10	0.2	0.4	<0.1	35	0.13	0.025
105426	Soil			0.9	16.7	7.7	58	<0.1	13.2	8.8	375	2.85	6.3	0.6	<0.5	3.6	10	0.1	0.4	0.1	51	0.13	0.030
105427	Soil			0.9	16.3	5.4	75	<0.1	9.7	12.7	459	3.42	1.5	0.5	<0.5	2.6	11	<0.1	<0.1	<0.1	69	0.14	0.022

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
122162	Soil	16	35	1.11	387	0.110	<1	3.03	0.012	0.12	<0.1	0.03	6.6	0.1	<0.05	8	<0.5	<0.2
122163	Soil	12	18	2.50	763	0.215	<1	4.15	0.023	1.27	0.1	0.01	15.3	0.3	<0.05	9	0.5	<0.2
122164	Soil	16	30	0.59	264	0.076	1	1.92	0.011	0.09	0.1	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
122165	Soil	14	30	0.53	170	0.072	1	1.88	0.011	0.08	<0.1	0.03	3.0	0.1	<0.05	7	<0.5	<0.2
122166	Soil	18	36	0.60	202	0.085	2	2.17	0.012	0.07	0.1	0.05	5.7	0.1	<0.05	6	<0.5	<0.2
122167	Soil	23	34	0.62	254	0.083	2	1.84	0.015	0.11	0.1	0.03	7.3	<0.1	<0.05	5	0.5	<0.2
122168	Soil	11	34	0.58	178	0.081	2	2.12	0.012	0.09	0.1	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
122169	Soil	19	31	0.69	202	0.062	2	2.02	0.007	0.11	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
122170	Soil	10	33	0.52	214	0.070	2	2.15	0.016	0.06	<0.1	0.04	3.8	<0.1	<0.05	6	<0.5	<0.2
122171	Soil	22	31	0.53	241	0.068	2	1.54	0.012	0.06	<0.1	0.04	6.4	0.1	<0.05	4	<0.5	<0.2
122172	Soil	19	33	0.57	261	0.078	2	1.83	0.011	0.07	0.2	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
122173	Soil	24	36	0.70	332	0.096	2	2.16	0.012	0.21	0.1	0.04	7.9	0.1	<0.05	6	0.6	<0.2
122174	Soil	13	31	0.61	187	0.079	2	1.99	0.008	0.09	0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
122175	Soil	66	46	0.68	166	0.064	1	2.09	0.005	0.16	0.1	0.02	4.5	0.1	<0.05	6	0.8	<0.2
122176	Soil	21	44	0.70	185	0.096	<1	2.25	0.006	0.29	<0.1	0.01	3.9	0.3	<0.05	6	<0.5	<0.2
122177	Soil	45	45	0.70	198	0.069	1	2.09	0.008	0.18	<0.1	0.02	5.3	0.1	<0.05	6	<0.5	<0.2
122178	Soil	14	36	0.57	183	0.067	1	2.09	0.009	0.07	0.1	0.04	4.1	<0.1	<0.05	5	<0.5	<0.2
122179	Soil	12	38	0.58	168	0.093	2	2.14	0.007	0.28	<0.1	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
122180	Soil	40	40	0.54	165	0.088	<1	2.10	0.017	0.35	<0.1	0.03	3.9	0.3	0.11	5	<0.5	<0.2
122181	Soil	24	37	0.51	155	0.072	2	2.05	0.007	0.15	<0.1	0.03	3.9	0.2	<0.05	5	<0.5	<0.2
122182	Soil	18	56	0.52	168	0.075	<1	2.06	0.006	0.15	<0.1	0.03	3.1	0.1	<0.05	5	<0.5	<0.2
122183	Soil	23	39	0.51	149	0.060	<1	2.05	0.006	0.27	<0.1	0.01	2.5	0.2	<0.05	5	<0.5	<0.2
122184	Soil	30	40	0.60	258	0.090	1	2.17	0.013	0.13	0.1	0.05	7.4	0.1	<0.05	6	0.6	<0.2
122185	Soil	9	44	0.75	241	0.086	1	2.07	0.006	0.26	<0.1	0.02	4.0	0.1	<0.05	6	<0.5	<0.2
122186	Soil	16	54	0.73	315	0.088	<1	1.83	0.015	0.09	<0.1	0.04	5.6	<0.1	<0.05	6	<0.5	<0.2
112556	Soil	21	31	0.61	172	0.110	2	1.94	0.009	0.32	0.1	0.05	3.8	0.4	<0.05	6	0.7	<0.2
105424	Soil	13	6	0.17	99	0.061	<1	0.72	0.112	0.91	<0.1	0.02	3.0	0.4	1.73	6	0.6	<0.2
105425	Soil	12	20	0.88	169	0.137	1	2.10	0.008	0.42	0.1	0.02	5.3	0.2	<0.05	6	<0.5	<0.2
105426	Soil	10	24	0.78	131	0.124	2	1.89	0.009	0.26	0.2	0.03	4.0	<0.1	<0.05	6	<0.5	<0.2
105427	Soil	13	179	2.14	221	0.182	<1	2.85	0.013	0.72	<0.1	0.02	7.9	0.2	<0.05	8	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

Page: 4 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000629.1

Method Analyte	1DX15																				
	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	
105428	Soil	1.3	44.6	7.7	100	<0.1	17.7	13.3	455	4.01	3.6	0.9	<0.5	4.3	10	<0.1	0.2	0.2	76	0.13	0.028
105429	Soil	0.8	26.2	5.4	55	<0.1	15.3	12.4	368	3.29	4.0	0.7	1.0	3.9	12	<0.1	0.2	0.1	66	0.19	0.025
105430	Soil	0.7	24.6	5.0	64	<0.1	13.7	13.0	410	3.64	1.8	0.7	<0.5	5.3	19	<0.1	0.1	<0.1	81	0.26	0.032
105431	Soil	0.7	18.3	6.9	48	<0.1	18.9	9.2	284	3.09	3.4	0.6	1.0	5.5	18	<0.1	0.1	0.1	73	0.29	0.034
105432	Soil	0.9	34.9	4.0	47	<0.1	147.2	16.6	340	2.75	3.0	0.9	1.1	2.8	22	<0.1	0.2	<0.1	69	0.32	0.043
105433	Soil	1.2	20.7	8.5	41	<0.1	35.1	16.1	287	2.41	5.9	0.9	1.4	3.9	18	<0.1	0.3	0.1	53	0.22	0.027
105434	Soil	0.2	38.8	3.7	21	<0.1	16.8	13.3	146	2.16	1.1	0.4	1.0	1.6	139	0.2	<0.1	<0.1	59	0.91	0.082
105435	Soil	0.6	24.4	5.8	84	<0.1	8.8	18.1	854	5.04	3.7	1.2	<0.5	15.0	19	<0.1	0.1	<0.1	96	0.32	0.071
105436	Soil	0.7	30.4	5.3	54	<0.1	21.6	12.7	294	3.48	1.6	1.2	<0.5	15.2	10	<0.1	0.1	0.1	44	0.24	0.063
105437	Soil	1.0	26.7	10.2	56	<0.1	23.0	10.8	305	3.13	7.9	1.0	0.8	10.8	14	<0.1	0.4	0.2	55	0.15	0.027
105438	Soil	0.5	32.4	1.5	82	<0.1	8.5	23.7	1008	5.68	1.6	1.0	1.3	7.6	126	<0.1	0.1	<0.1	141	0.48	0.105
105439	Soil	0.4	24.5	4.1	89	<0.1	8.9	18.9	776	5.50	4.1	0.5	1.3	5.1	13	<0.1	0.3	<0.1	116	0.20	0.046
105440	Soil	0.5	32.7	2.9	85	<0.1	6.1	19.8	825	5.30	2.4	0.4	<0.5	8.4	18	<0.1	0.3	<0.1	115	0.25	0.043
105441	Soil	0.4	23.1	2.9	85	<0.1	8.7	26.2	1012	5.31	1.2	0.4	<0.5	5.7	33	<0.1	0.1	<0.1	115	0.33	0.089
105442	Soil	0.4	21.7	1.9	111	<0.1	10.5	25.2	1172	6.87	1.9	0.6	<0.5	7.3	83	<0.1	0.1	<0.1	142	0.68	0.119
105443	Soil	0.6	17.7	3.9	77	<0.1	10.5	26.0	1292	4.90	5.2	0.4	0.5	4.6	11	<0.1	0.2	<0.1	110	0.24	0.075
105444	Soil	14.9	87.1	6.1	92	<0.1	47.7	21.1	1086	3.88	6.4	1.5	<0.5	8.8	17	<0.1	0.2	0.2	97	0.17	0.035
105445	Soil	2.9	131.3	38.9	132	<0.1	48.0	18.0	1211	3.98	69.0	1.6	6.8	9.9	26	0.2	0.6	0.2	85	0.21	0.033
105446	Soil	0.7	23.7	2.1	78	<0.1	9.4	18.4	782	4.71	2.3	0.6	<0.5	8.1	20	<0.1	0.1	<0.1	103	0.46	0.100
105447	Soil	1.1	33.7	5.9	131	<0.1	7.2	18.5	904	5.57	5.2	2.9	<0.5	21.1	13	<0.1	0.2	<0.1	130	0.46	0.134
105448	Soil	0.4	15.8	3.2	78	<0.1	10.8	15.5	684	4.29	5.0	0.6	<0.5	7.6	16	<0.1	0.2	<0.1	92	0.23	0.042
105449	Soil	0.4	17.5	2.4	84	<0.1	7.5	19.0	1026	5.06	1.6	0.9	1.7	11.1	21	<0.1	<0.1	<0.1	118	0.40	0.084
105450	Soil	0.7	14.3	4.0	70	<0.1	16.0	9.7	816	3.34	5.0	0.8	<0.5	3.9	26	0.2	0.1	<0.1	43	0.45	0.060
105451	Soil	0.3	24.6	19.4	86	<0.1	27.0	13.5	434	4.32	1.8	1.0	1.0	16.9	9	<0.1	0.1	0.2	40	0.09	0.012
105452	Soil	0.9	17.6	10.2	53	<0.1	19.9	9.6	358	3.03	9.3	1.0	2.5	6.6	17	<0.1	0.4	0.2	59	0.16	0.037
105453	Soil	0.2	94.2	1.6	66	<0.1	22.5	15.5	219	3.42	<0.5	0.4	<0.5	3.1	24	0.1	<0.1	<0.1	138	0.18	0.064
105454	Soil	1.5	49.8	9.0	79	0.2	24.1	12.0	690	3.08	5.6	0.8	1.5	2.8	21	0.4	0.2	0.2	81	0.25	0.068
105455	Soil	0.5	28.2	12.6	82	<0.1	34.4	15.2	448	4.27	5.4	1.1	0.9	17.7	12	<0.1	0.4	0.2	59	0.13	0.020
105456	Soil	0.8	15.9	10.1	117	0.1	22.0	11.2	506	3.42	7.8	0.6	0.6	6.0	11	0.2	0.5	0.2	67	0.11	0.026
105457	Soil	1.1	16.3	10.3	63	0.1	21.4	14.8	737	3.39	8.5	0.6	0.8	5.4	15	0.1	0.3	0.2	62	0.20	0.059

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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CERTIFICATE OF ANALYSIS

WHI11000629.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
105428	Soil	13	37	1.55	432	0.175	1	2.69	0.015	0.85	<0.1	0.02	8.0	0.3	<0.05	9	<0.5	<0.2
105429	Soil	9	30	1.02	235	0.164	1	2.20	0.014	0.51	<0.1	0.01	4.8	0.2	<0.05	7	<0.5	<0.2
105430	Soil	12	34	1.06	222	0.162	<1	2.35	0.015	0.61	<0.1	<0.01	6.3	0.2	<0.05	8	<0.5	<0.2
105431	Soil	13	47	0.84	166	0.138	1	2.00	0.011	0.42	<0.1	0.01	4.4	0.2	<0.05	8	<0.5	<0.2
105432	Soil	15	190	1.69	305	0.106	<1	2.04	0.010	0.14	<0.1	0.01	4.3	0.1	<0.05	6	<0.5	<0.2
105433	Soil	10	41	0.49	253	0.066	2	1.76	0.010	0.04	<0.1	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2
105434	Soil	5	10	0.83	460	0.031	1	3.02	0.066	0.04	<0.1	0.01	5.4	<0.1	<0.05	6	<0.5	<0.2
105435	Soil	105	14	1.26	265	0.195	<1	2.83	0.010	1.00	<0.1	0.02	4.9	0.3	<0.05	9	<0.5	<0.2
105436	Soil	44	37	0.84	291	0.170	1	2.28	0.010	1.00	<0.1	<0.01	5.4	0.5	<0.05	8	<0.5	<0.2
105437	Soil	21	35	0.64	199	0.112	1	2.21	0.010	0.28	0.1	0.04	4.3	0.2	<0.05	6	<0.5	<0.2
105438	Soil	23	21	1.73	372	0.111	<1	2.63	0.028	0.54	<0.1	0.02	12.2	0.2	<0.05	10	0.7	<0.2
105439	Soil	13	17	1.56	376	0.244	1	3.28	0.009	0.87	<0.1	0.02	5.6	0.3	<0.05	8	0.5	<0.2
105440	Soil	19	12	1.62	414	0.237	1	3.11	0.007	0.98	<0.1	<0.01	5.2	0.3	<0.05	8	<0.5	<0.2
105441	Soil	6	12	2.08	411	0.274	<1	3.42	0.007	1.56	<0.1	<0.01	3.2	0.4	<0.05	8	<0.5	<0.2
105442	Soil	19	15	2.26	877	0.302	<1	4.00	0.017	1.48	<0.1	<0.01	6.6	0.5	<0.05	10	<0.5	<0.2
105443	Soil	4	24	1.63	378	0.260	1	3.07	0.013	1.04	<0.1	0.01	2.9	0.3	<0.05	8	<0.5	<0.2
105444	Soil	24	45	1.42	349	0.125	1	2.96	0.010	0.48	0.3	0.01	4.9	0.2	<0.05	10	<0.5	<0.2
105445	Soil	50	39	0.85	320	0.093	2	1.73	0.007	0.32	<0.1	0.21	10.9	0.2	<0.05	6	1.0	<0.2
105446	Soil	15	17	1.66	454	0.235	<1	2.79	0.016	1.19	<0.1	<0.01	3.4	0.3	<0.05	7	<0.5	<0.2
105447	Soil	14	23	1.57	351	0.165	<1	2.39	0.013	1.26	<0.1	0.01	13.8	0.3	<0.05	9	<0.5	<0.2
105448	Soil	11	19	1.58	286	0.234	<1	2.89	0.009	1.04	0.2	<0.01	3.4	0.4	<0.05	7	<0.5	<0.2
105449	Soil	24	13	1.80	325	0.280	<1	2.90	0.009	1.50	0.1	0.01	4.8	0.5	<0.05	9	<0.5	<0.2
105450	Soil	16	28	0.76	322	0.102	2	1.48	0.014	0.39	<0.1	0.03	4.5	0.2	<0.05	5	<0.5	<0.2
105451	Soil	24	36	0.90	196	0.184	<1	2.78	0.007	0.74	<0.1	0.01	4.4	0.6	<0.05	10	<0.5	<0.2
105452	Soil	17	35	0.62	169	0.103	2	2.14	0.010	0.19	0.2	0.03	4.6	0.2	<0.05	7	0.5	<0.2
105453	Soil	5	52	1.21	258	0.185	<1	1.90	0.011	0.50	<0.1	<0.01	7.8	0.1	<0.05	8	<0.5	<0.2
105454	Soil	12	36	0.98	380	0.107	2	2.37	0.012	0.19	0.1	0.02	5.0	0.2	<0.05	9	0.6	<0.2
105455	Soil	24	47	0.92	270	0.171	2	3.24	0.010	0.48	0.1	0.01	5.0	0.5	<0.05	10	<0.5	<0.2
105456	Soil	13	38	0.59	188	0.128	1	2.40	0.009	0.17	0.1	0.02	3.7	0.2	<0.05	8	<0.5	<0.2
105457	Soil	13	35	0.62	154	0.134	2	1.95	0.010	0.31	0.2	0.02	3.4	0.2	<0.05	8	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
105458	Soil	0.5	21.8	9.2	61	<0.1	24.7	10.4	308	3.00	6.2	1.1	2.7	9.4	21	0.1	0.4	0.2	54	0.23	0.018
105459	Soil	1.2	24.0	11.3	71	0.1	26.6	9.6	300	2.99	3.0	1.6	1.0	9.5	14	0.2	0.2	0.2	42	0.22	0.037
105460	Soil	0.6	40.4	18.1	91	<0.1	33.3	13.7	544	4.18	0.9	1.1	1.0	19.6	18	<0.1	0.1	0.3	52	0.35	0.064
105461	Soil	0.8	16.3	5.9	59	<0.1	16.9	10.0	406	3.08	5.4	0.7	1.1	4.9	16	0.1	0.3	0.1	60	0.26	0.041
112557	Soil	0.8	21.4	9.3	88	0.2	16.8	8.3	449	3.58	6.8	0.8	3.2	4.4	15	0.3	0.3	0.2	51	0.16	0.041
112558	Soil	0.7	25.4	8.3	62	0.2	11.2	8.2	176	2.96	5.6	0.7	2.6	1.7	13	<0.1	0.3	0.2	77	0.20	0.051
112559	Soil	0.8	7.5	6.7	39	<0.1	5.1	3.0	212	2.38	4.2	0.4	1.6	2.0	8	<0.1	0.3	0.1	37	0.08	0.025
112560	Soil	1.2	18.9	6.9	92	0.2	5.9	4.1	343	3.39	3.6	0.9	1.5	2.8	16	0.2	0.2	0.1	36	0.08	0.049
112561	Soil	1.5	15.7	4.5	77	0.2	4.4	3.7	336	2.93	2.9	0.8	1.5	2.4	12	<0.1	0.2	0.1	36	0.07	0.049
112562	Soil	1.7	13.9	6.0	73	0.4	6.2	2.5	236	2.77	4.7	0.9	3.5	2.5	12	0.1	0.2	0.1	26	0.09	0.046
112563	Soil	0.9	13.9	5.5	59	0.1	8.3	7.5	178	2.65	3.4	0.7	1.5	1.2	14	0.2	0.2	0.1	59	0.17	0.052
112564	Soil	1.0	11.3	5.0	68	0.1	7.7	6.6	430	3.05	4.0	0.6	1.4	2.9	17	<0.1	0.2	0.1	34	0.17	0.038
112565	Soil	0.9	14.9	4.8	63	0.1	9.7	6.9	237	2.72	4.3	0.8	4.3	2.1	18	<0.1	0.2	0.1	39	0.22	0.046
112566	Soil	1.0	21.3	5.0	41	0.2	8.4	5.0	156	3.11	3.5	1.8	2.3	0.8	27	0.2	0.2	0.1	36	0.22	0.079
112567	Soil	1.5	22.9	7.2	125	0.2	2.4	1.3	258	3.90	3.4	0.4	1.3	2.2	15	0.1	<0.1	0.2	13	0.07	0.028
112568	Soil	1.5	13.3	11.1	113	0.2	8.8	7.2	381	3.53	4.1	0.7	1.7	2.7	18	<0.1	0.1	0.2	55	0.24	0.047
112569	Soil	1.4	13.6	7.6	97	0.2	11.7	7.2	390	3.48	6.4	0.6	2.3	2.7	15	0.1	0.2	0.3	50	0.20	0.049
112570	Soil	0.8	11.9	6.2	76	<0.1	10.8	7.2	373	2.69	4.1	0.5	1.5	2.5	14	0.1	0.2	<0.1	40	0.22	0.052
112571	Soil	0.7	14.0	7.6	50	0.3	10.0	5.2	221	1.78	3.2	0.9	2.8	1.1	17	0.2	0.2	0.1	35	0.22	0.058
112572	Soil	0.7	16.8	6.4	55	0.2	10.7	6.9	191	2.19	3.0	1.2	2.5	3.1	18	0.1	0.2	0.1	45	0.24	0.048
112573	Soil	0.8	13.0	5.1	52	0.1	10.8	7.0	197	2.22	3.2	0.7	12.6	2.3	19	<0.1	0.1	0.1	54	0.22	0.033
112574	Soil	0.7	15.9	6.2	59	<0.1	15.2	8.4	178	2.50	3.3	1.0	<0.5	3.1	23	<0.1	0.2	0.1	50	0.22	0.040
112575	Soil	0.6	16.8	5.9	50	<0.1	15.4	8.1	172	2.39	3.1	0.9	0.7	3.3	24	<0.1	0.1	0.1	54	0.25	0.046
112576	Soil	0.4	9.6	4.1	40	<0.1	11.8	6.3	151	1.66	2.2	0.6	0.9	2.9	22	<0.1	0.1	<0.1	35	0.26	0.046
112577	Soil	0.9	25.3	5.3	50	<0.1	25.1	11.9	195	3.12	1.6	1.4	2.2	10.9	18	<0.1	<0.1	0.2	58	0.25	0.071
105462	Soil	0.7	23.0	8.0	60	<0.1	17.7	10.4	502	2.70	4.3	1.1	0.9	5.2	22	<0.1	0.2	0.1	63	0.31	0.042
105463	Soil	0.2	47.8	3.4	54	<0.1	15.4	20.5	414	3.94	1.6	0.4	<0.5	2.7	40	<0.1	<0.1	<0.1	118	0.73	0.204
105464	Soil	0.7	72.0	1.8	55	<0.1	125.3	19.7	495	3.01	9.0	0.6	0.9	2.6	18	<0.1	0.3	<0.1	77	0.42	0.117
105465	Soil	0.2	18.4	2.7	55	<0.1	8.5	12.0	224	2.95	2.2	0.4	<0.5	1.7	43	<0.1	<0.1	<0.1	63	1.02	0.202
105466	Soil	0.4	58.1	7.2	71	<0.1	31.3	26.0	469	4.44	2.5	1.9	<0.5	13.5	91	<0.1	0.1	<0.1	112	0.61	0.074

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
105458	Soil	30	39	0.69	238	0.137	2	2.04	0.014	0.23	0.1	0.02	5.1	0.3	<0.05	6	<0.5	<0.2
105459	Soil	25	32	0.52	215	0.099	1	1.46	0.009	0.32	<0.1	0.02	4.3	0.3	<0.05	5	0.5	<0.2
105460	Soil	42	43	0.93	268	0.203	1	2.44	0.009	1.02	0.1	<0.01	6.3	0.7	<0.05	10	0.6	<0.2
105461	Soil	14	34	0.85	231	0.095	2	1.89	0.011	0.22	0.1	0.02	5.5	0.1	<0.05	7	<0.5	<0.2
112557	Soil	15	37	0.86	185	0.112	2	2.53	0.011	0.36	0.1	0.04	5.5	0.3	<0.05	8	0.6	<0.2
112558	Soil	13	24	0.92	197	0.079	1	1.82	0.013	0.15	0.1	0.03	4.5	0.2	<0.05	7	<0.5	<0.2
112559	Soil	9	11	0.41	111	0.110	1	1.18	0.007	0.21	<0.1	0.02	2.5	0.1	<0.05	7	0.6	<0.2
112560	Soil	13	18	1.00	311	0.140	<1	2.20	0.026	0.81	<0.1	0.03	5.5	0.4	0.22	7	0.7	<0.2
112561	Soil	12	12	1.13	186	0.153	<1	1.91	0.014	0.90	<0.1	0.03	4.8	0.2	0.14	7	<0.5	<0.2
112562	Soil	15	13	0.58	104	0.095	1	1.43	0.012	0.37	0.1	0.05	3.3	0.2	0.09	6	0.6	<0.2
112563	Soil	9	33	1.05	123	0.110	<1	1.86	0.023	0.24	<0.1	0.03	3.8	0.1	<0.05	7	<0.5	<0.2
112564	Soil	14	15	0.88	527	0.098	<1	1.67	0.024	0.38	<0.1	0.02	5.5	0.2	0.15	7	0.6	<0.2
112565	Soil	17	16	0.66	179	0.110	2	1.57	0.012	0.20	0.1	0.03	3.8	<0.1	<0.05	6	0.6	<0.2
112566	Soil	23	15	0.69	274	0.051	2	1.95	0.025	0.15	<0.1	0.04	4.5	<0.1	0.17	7	0.7	<0.2
112567	Soil	10	7	0.59	196	0.102	<1	1.18	0.040	0.85	<0.1	<0.01	4.0	0.3	0.74	6	0.5	<0.2
112568	Soil	13	28	1.20	281	0.179	2	2.11	0.016	0.50	0.1	0.02	6.2	0.2	0.07	8	<0.5	<0.2
112569	Soil	10	27	0.99	236	0.171	2	1.97	0.012	0.46	0.1	0.04	5.6	0.3	<0.05	8	0.7	<0.2
112570	Soil	9	21	0.84	173	0.147	1	1.60	0.010	0.41	0.1	0.01	4.6	0.1	<0.05	6	<0.5	<0.2
112571	Soil	11	31	0.65	175	0.090	2	1.36	0.017	0.17	<0.1	0.04	3.4	<0.1	0.06	6	<0.5	<0.2
112572	Soil	16	23	0.64	182	0.110	1	1.42	0.012	0.19	0.1	0.05	4.3	0.1	<0.05	6	<0.5	<0.2
112573	Soil	12	27	0.69	161	0.160	1	1.55	0.015	0.22	0.2	0.03	3.4	<0.1	<0.05	7	<0.5	<0.2
112574	Soil	15	33	0.68	177	0.138	1	1.77	0.015	0.18	0.1	0.05	3.6	0.1	<0.05	7	<0.5	<0.2
112575	Soil	14	33	0.67	149	0.144	<1	1.75	0.016	0.22	0.1	0.04	3.7	0.1	<0.05	7	<0.5	<0.2
112576	Soil	12	23	0.52	120	0.105	1	1.27	0.015	0.17	0.2	0.02	2.8	0.1	<0.05	5	<0.5	<0.2
112577	Soil	24	42	0.90	193	0.167	<1	2.10	0.014	0.74	0.1	0.01	4.7	0.3	<0.05	8	<0.5	<0.2
105462	Soil	19	37	0.65	173	0.109	1	1.68	0.016	0.16	0.1	0.02	4.6	<0.1	<0.05	7	<0.5	<0.2
105463	Soil	9	24	1.51	441	0.240	<1	3.17	0.043	0.92	<0.1	<0.01	4.3	0.3	<0.05	9	<0.5	<0.2
105464	Soil	23	161	1.68	571	0.195	<1	1.75	0.011	0.31	<0.1	<0.01	4.3	0.6	<0.05	7	0.6	<0.2
105465	Soil	8	14	0.87	292	0.147	<1	2.73	0.038	0.33	<0.1	<0.01	5.3	<0.1	<0.05	8	<0.5	<0.2
105466	Soil	25	86	1.84	567	0.376	<1	5.08	0.089	0.94	<0.1	<0.01	6.1	0.4	<0.05	13	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
105467	Soil	1.2	40.3	12.1	61	<0.1	40.8	16.5	221	4.75	4.4	2.8	<0.5	15.7	6	<0.1	0.2	0.5	67	0.07	0.039
105468	Soil	1.6	24.1	12.3	72	<0.1	29.8	13.5	282	4.42	9.4	1.0	1.1	8.6	16	<0.1	0.5	0.2	77	0.16	0.036
105469	Soil	0.8	50.4	10.6	83	<0.1	36.3	16.7	758	5.16	3.2	2.2	0.7	14.9	12	<0.1	0.2	0.2	86	0.12	0.038
105470	Soil	1.0	25.5	8.3	81	<0.1	35.1	16.3	294	3.55	6.6	0.8	0.8	8.0	43	0.1	0.4	0.1	57	0.41	0.028
105471	Soil	0.5	32.8	7.9	116	<0.1	54.2	23.7	719	5.98	2.8	1.9	1.1	19.5	31	<0.1	0.2	<0.1	81	0.36	0.038
105472	Soil	0.8	21.9	9.0	69	<0.1	33.4	13.8	351	3.71	6.8	1.1	5.3	12.3	16	<0.1	0.3	0.2	67	0.14	0.021
105473	Soil	0.4	22.7	10.3	65	<0.1	31.3	11.4	259	3.22	2.4	0.8	1.5	13.4	25	<0.1	0.2	<0.1	30	0.38	0.015
105474	Soil	0.3	36.4	13.4	68	<0.1	36.0	16.7	359	4.22	2.4	2.1	0.6	18.3	43	<0.1	<0.1	0.1	72	0.30	0.056
105475	Soil	0.7	30.3	9.0	80	<0.1	38.9	15.9	449	4.57	5.7	1.1	<0.5	14.0	17	<0.1	0.3	0.2	60	0.07	0.018
105476	Soil	0.2	29.1	9.3	83	<0.1	30.8	21.3	755	4.94	1.3	1.6	0.8	11.9	50	<0.1	<0.1	0.3	113	0.97	0.071
105477	Soil	0.4	25.9	8.8	106	<0.1	45.9	24.8	1044	6.17	1.4	2.7	1.0	21.6	62	<0.1	0.2	0.1	88	0.56	0.058
105478	Soil	0.4	19.9	5.3	87	<0.1	22.3	20.7	974	5.32	4.3	0.6	<0.5	4.7	18	<0.1	0.2	<0.1	111	0.27	0.059
105479	Soil	1.1	56.0	7.2	98	0.2	36.8	8.9	217	2.80	2.1	1.2	12.1	2.8	10	0.3	0.3	0.2	65	0.07	0.028
105480	Soil	1.8	69.2	6.4	233	<0.1	60.5	11.9	524	3.38	0.8	1.2	2.3	5.0	30	0.4	<0.1	0.2	125	0.25	0.060
105481	Soil	1.7	40.3	11.9	108	0.2	61.7	11.7	447	3.76	13.3	0.7	2.0	4.3	23	0.4	0.7	0.2	79	0.22	0.056
105482	Soil	2.7	53.8	8.8	168	0.5	44.6	9.3	273	2.95	10.8	1.0	3.7	3.6	32	0.4	0.9	0.2	70	0.12	0.043
105483	Soil	2.7	93.5	9.4	306	0.7	78.9	10.6	324	3.10	15.3	2.8	4.3	4.9	27	0.4	1.6	0.2	92	0.14	0.050
105484	Soil	1.4	40.0	9.3	67	0.2	29.9	10.6	348	2.87	12.8	1.3	9.9	4.5	24	<0.1	0.8	0.2	66	0.21	0.033
105485	Soil	3.9	82.1	6.2	200	0.3	64.5	10.1	422	2.66	2.0	1.8	5.2	3.2	24	0.3	0.3	0.1	212	0.18	0.041
105486	Soil	1.9	103.1	12.3	170	0.1	45.4	11.2	288	3.18	1.5	1.9	4.1	5.3	16	0.5	0.2	0.2	83	0.14	0.055
105487	Soil	1.9	46.2	10.3	101	0.2	33.8	13.4	326	3.07	9.3	1.1	4.8	3.8	19	0.2	0.7	0.3	76	0.15	0.035
105488	Soil	3.4	50.8	8.3	99	0.3	31.3	7.7	273	2.80	3.4	1.4	4.1	2.9	18	0.3	0.3	0.2	93	0.09	0.047
105489	Soil	0.9	60.3	6.1	129	0.1	112.8	18.0	213	3.29	3.4	0.8	1.2	3.0	29	0.4	0.2	0.1	116	0.25	0.053
105490	Soil	0.7	63.3	5.0	109	0.1	96.7	19.4	257	3.67	2.6	0.6	1.0	2.4	23	0.3	0.2	<0.1	117	0.26	0.052
105491	Soil	1.6	58.0	9.7	117	0.2	55.3	12.5	403	3.13	7.6	1.2	3.8	4.1	28	0.4	0.6	0.2	83	0.26	0.039
105492	Soil	1.8	52.5	8.5	102	0.2	43.8	11.5	379	2.78	2.7	1.6	2.3	5.9	14	0.3	0.2	0.2	63	0.07	0.030
105493	Soil	0.7	37.3	11.7	76	0.1	38.9	12.2	564	3.14	7.0	0.8	4.5	7.8	22	0.2	0.6	0.2	58	0.89	0.037
105494	Soil	0.6	34.3	12.9	75	0.1	56.8	13.5	544	3.42	6.8	1.0	2.8	10.4	23	<0.1	0.4	0.2	59	0.55	0.020
105495	Soil	1.3	56.4	8.7	90	<0.1	37.2	12.1	550	3.77	1.5	1.8	3.3	12.2	91	<0.1	0.1	0.2	71	0.46	0.036
105496	Soil	0.7	85.8	11.8	138	<0.1	86.5	21.8	405	3.27	3.1	2.2	0.8	6.3	37	<0.1	0.1	0.3	70	0.58	0.123

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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
105467	Soil	30	61	1.14	160	0.184	<1	2.92	0.009	0.88	0.1	0.01	5.0	0.3	<0.05	12	<0.5	<0.2
105468	Soil	8	54	0.88	155	0.068	<1	2.66	0.008	0.09	<0.1	0.01	3.7	0.1	<0.05	11	<0.5	<0.2
105469	Soil	17	82	1.73	266	0.408	<1	3.69	0.011	1.28	0.1	0.01	10.5	0.5	<0.05	16	<0.5	<0.2
105470	Soil	13	55	0.71	216	0.117	<1	2.73	0.014	0.16	0.1	0.02	3.8	0.3	<0.05	8	<0.5	<0.2
105471	Soil	30	89	1.52	253	0.342	<1	3.38	0.009	0.86	<0.1	0.01	10.1	0.8	<0.05	17	<0.5	<0.2
105472	Soil	19	66	1.03	183	0.257	<1	2.59	0.010	0.46	0.1	0.01	4.9	0.4	<0.05	9	<0.5	<0.2
105473	Soil	28	28	0.62	84	0.065	<1	1.55	0.009	0.02	<0.1	0.01	6.4	<0.1	<0.05	5	<0.5	<0.2
105474	Soil	22	66	1.15	298	0.295	<1	4.57	0.017	0.57	<0.1	<0.01	5.8	0.3	<0.05	12	<0.5	<0.2
105475	Soil	14	64	1.10	187	0.272	<1	3.35	0.007	0.81	<0.1	0.01	4.6	0.7	<0.05	11	<0.5	<0.2
105476	Soil	41	104	2.16	431	0.337	<1	4.31	0.083	1.15	<0.1	0.01	15.4	0.4	<0.05	13	<0.5	<0.2
105477	Soil	72	90	1.95	316	0.304	<1	3.98	0.028	1.19	<0.1	<0.01	10.5	0.6	<0.05	15	<0.5	<0.2
105478	Soil	12	67	2.29	739	0.412	<1	3.76	0.015	1.48	<0.1	<0.01	4.9	0.4	<0.05	13	<0.5	<0.2
105479	Soil	9	38	0.74	549	0.154	<1	1.66	0.012	0.60	<0.1	0.02	3.1	0.4	<0.05	5	0.6	<0.2
105480	Soil	17	77	1.44	773	0.262	<1	2.09	0.011	1.02	<0.1	<0.01	7.5	0.5	0.05	8	1.1	<0.2
105481	Soil	11	53	0.65	319	0.095	2	2.74	0.011	0.08	0.1	0.03	3.8	0.1	<0.05	7	<0.5	<0.2
105482	Soil	12	49	0.68	265	0.079	1	2.09	0.018	0.12	0.2	0.03	3.9	0.2	0.15	5	1.8	<0.2
105483	Soil	17	65	0.74	188	0.077	1	2.27	0.014	0.06	0.2	0.06	5.2	0.2	<0.05	6	2.3	<0.2
105484	Soil	18	41	0.60	325	0.076	1	2.02	0.012	0.05	0.2	0.07	6.2	<0.1	<0.05	5	0.6	<0.2
105485	Soil	14	66	1.08	528	0.153	<1	1.66	0.009	0.46	0.1	0.04	5.1	0.4	0.09	6	1.3	<0.2
105486	Soil	18	52	0.79	432	0.125	<1	1.74	0.007	0.54	<0.1	0.02	5.0	0.4	<0.05	6	1.3	<0.2
105487	Soil	12	45	0.76	282	0.107	1	2.17	0.011	0.18	0.1	0.02	4.0	0.2	<0.05	6	0.6	<0.2
105488	Soil	11	54	0.85	299	0.116	<1	1.80	0.009	0.37	<0.1	0.02	2.7	0.3	0.07	6	2.1	<0.2
105489	Soil	11	165	1.42	313	0.092	<1	3.03	0.015	0.14	<0.1	0.02	5.4	0.1	<0.05	9	<0.5	<0.2
105490	Soil	10	107	1.54	431	0.170	<1	2.68	0.015	0.62	<0.1	0.01	4.2	0.5	<0.05	8	<0.5	<0.2
105491	Soil	15	58	0.81	691	0.112	1	1.99	0.018	0.09	0.2	0.04	5.4	0.1	<0.05	6	0.6	<0.2
105492	Soil	16	48	0.77	294	0.153	<1	1.80	0.007	0.52	<0.1	0.01	3.5	0.3	<0.05	6	1.1	<0.2
105493	Soil	23	41	0.74	318	0.123	<1	2.08	0.019	0.25	<0.1	0.04	4.4	0.2	<0.05	7	<0.5	<0.2
105494	Soil	28	71	1.12	302	0.183	1	2.52	0.020	0.41	0.1	0.02	5.5	0.3	<0.05	8	<0.5	<0.2
105495	Soil	36	48	2.04	954	0.270	<1	3.76	0.028	1.25	0.2	0.02	8.5	0.6	<0.05	12	<0.5	<0.2
105496	Soil	23	74	1.75	1089	0.174	<1	2.94	0.019	0.72	0.1	0.01	5.7	0.4	<0.05	11	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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CERTIFICATE OF ANALYSIS

WHI11000629.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
105497	Soil	1.0	31.6	6.3	86	0.1	17.4	6.2	274	3.22	2.0	0.7	0.9	2.6	23	<0.1	<0.1	0.2	55	0.23	0.036
105498	Soil	0.9	31.2	6.1	86	0.1	17.3	6.4	280	3.30	1.7	0.8	1.1	2.7	23	<0.1	<0.1	0.2	56	0.25	0.038
105499	Soil	0.7	82.7	8.4	90	<0.1	48.1	18.5	651	3.18	5.0	1.1	10.9	6.2	28	<0.1	0.3	0.5	76	0.60	0.057
105500	Soil	0.7	54.6	9.2	61	<0.1	25.0	12.5	364	3.06	6.0	0.6	0.9	3.7	51	0.1	0.4	0.2	78	0.55	0.030
105501	Soil	0.5	45.0	3.9	80	<0.1	37.1	13.1	650	4.24	4.0	0.7	1.4	6.0	11	0.2	0.2	<0.1	97	0.24	0.043
105502	Soil	0.7	42.1	4.5	79	<0.1	22.0	12.0	674	4.42	2.7	1.0	4.6	6.5	16	<0.1	0.2	<0.1	103	0.34	0.052
105503	Soil	0.9	27.6	7.0	67	0.2	23.9	9.6	752	2.86	5.1	0.7	1.8	4.9	34	0.2	0.3	0.1	62	0.34	0.043
105504	Soil	1.1	34.0	5.0	80	<0.1	16.6	8.7	497	3.52	3.3	0.8	0.9	4.2	34	<0.1	0.2	0.2	79	0.28	0.031
105505	Soil	0.7	20.2	2.9	63	<0.1	8.1	3.9	354	2.60	2.0	0.6	<0.5	3.0	7	<0.1	0.1	0.1	37	0.06	0.017
105506	Soil	0.6	29.9	3.0	74	<0.1	13.4	6.2	434	3.06	2.0	0.8	0.8	3.1	8	<0.1	0.1	0.1	50	0.10	0.031
105407	Soil	0.3	29.3	3.8	78	<0.1	12.1	8.3	490	3.73	2.2	1.1	1.7	6.0	17	<0.1	0.2	<0.1	101	0.30	0.048
109435	Soil	1.8	25.6	10.1	78	0.2	21.7	7.7	275	2.65	3.7	1.5	<0.5	4.8	17	0.1	0.3	0.2	54	0.10	0.045
109436	Soil	1.2	27.3	10.9	70	0.1	25.7	8.8	311	2.88	5.6	1.6	1.4	7.1	21	<0.1	0.4	0.2	52	0.19	0.046
109437	Soil	1.1	31.6	15.6	90	0.3	27.0	9.7	301	3.24	5.7	1.7	4.9	8.6	22	<0.1	0.4	0.4	57	0.18	0.046
109438	Soil	1.4	30.5	13.0	62	0.2	27.4	9.3	308	3.11	5.2	2.3	3.8	7.0	19	<0.1	0.3	0.3	52	0.15	0.061
109439	Soil	1.1	23.5	10.6	67	0.1	23.8	9.5	329	2.98	6.0	1.4	4.1	7.1	21	0.1	0.4	0.2	53	0.19	0.037
109440	Soil	1.0	24.7	10.7	65	0.2	23.2	9.1	312	2.95	5.7	1.8	2.3	5.2	21	0.2	0.3	0.2	53	0.18	0.044
109441	Soil	0.6	26.5	11.0	73	0.2	27.2	9.9	343	3.09	6.8	1.3	8.0	10.6	20	<0.1	0.4	0.2	47	0.18	0.036
109442	Soil	0.8	27.4	12.1	63	0.2	23.2	9.4	315	2.87	7.3	1.5	3.7	6.8	21	0.1	0.4	0.3	49	0.20	0.044
109443	Soil	1.3	14.0	11.3	67	0.2	13.4	8.9	456	2.90	8.0	0.7	<0.5	2.6	13	0.2	0.4	0.2	64	0.11	0.042
109444	Soil	1.6	28.6	3.5	350	0.1	8.4	13.4	1035	3.19	0.6	0.7	<0.5	3.0	10	<0.1	<0.1	0.3	43	0.14	0.030
109445	Soil	0.9	19.1	6.9	91	<0.1	13.2	9.5	442	2.59	3.6	0.8	4.3	3.7	13	<0.1	0.2	0.2	42	0.13	0.025
109446	Soil	1.2	28.4	4.0	133	<0.1	10.3	10.2	711	3.35	1.4	0.9	0.6	3.0	11	0.3	0.1	0.1	22	0.10	0.020
109447	Soil	1.1	25.9	5.7	106	0.3	13.0	7.5	432	2.83	2.6	1.1	2.5	2.9	18	0.3	0.1	0.2	38	0.22	0.031
109448	Soil	1.2	19.6	6.2	109	0.2	10.8	9.6	638	2.75	2.5	1.1	1.0	3.2	13	0.2	0.2	0.1	32	0.16	0.034
109449	Soil	1.2	24.2	5.9	119	0.3	13.4	9.1	588	3.06	3.9	0.8	1.8	2.2	15	0.2	0.1	0.2	42	0.17	0.035
109450	Soil	1.0	16.7	5.4	89	0.3	9.4	5.3	304	2.59	3.3	0.7	2.5	2.2	13	0.2	0.2	0.1	35	0.16	0.031
109451	Soil	1.1	15.2	5.7	93	0.2	9.1	5.7	341	2.73	3.6	0.7	0.9	2.2	12	0.2	0.1	0.1	37	0.14	0.028
109452	Soil	1.3	16.7	6.5	85	0.2	10.1	6.7	376	3.03	4.3	0.7	0.9	2.3	11	0.3	0.2	0.1	38	0.14	0.034
109453	Soil	1.0	18.8	8.3	80	0.1	11.1	6.7	301	2.93	7.2	0.8	0.9	3.7	10	0.1	0.2	0.2	41	0.11	0.037

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
105497	Soil	10	25	1.80	915	0.181	<1	2.79	0.027	1.05	<0.1	0.01	6.3	0.4	0.10	10	<0.5	<0.2
105498	Soil	10	26	1.83	934	0.180	<1	2.83	0.027	1.09	<0.1	0.01	6.3	0.4	0.12	10	<0.5	<0.2
105499	Soil	16	40	1.27	812	0.160	1	2.49	0.018	0.43	0.1	0.03	7.3	0.2	<0.05	10	<0.5	<0.2
105500	Soil	12	35	0.86	464	0.122	<1	2.15	0.017	0.17	0.1	0.02	4.6	<0.1	<0.05	7	<0.5	<0.2
105501	Soil	13	60	1.26	293	0.314	<1	2.15	0.009	1.11	0.2	0.01	11.2	0.3	<0.05	9	<0.5	<0.2
105502	Soil	15	32	1.16	400	0.282	<1	2.09	0.009	0.87	0.2	0.02	12.1	0.3	<0.05	10	<0.5	<0.2
105503	Soil	14	33	0.65	341	0.160	<1	1.77	0.015	0.40	0.1	0.02	5.1	0.2	<0.05	6	<0.5	<0.2
105504	Soil	12	27	0.84	326	0.228	<1	2.04	0.013	0.86	0.1	0.02	9.2	0.3	<0.05	8	<0.5	<0.2
105505	Soil	6	13	0.45	232	0.203	<1	1.45	0.007	0.64	0.2	<0.01	8.2	0.2	<0.05	7	<0.5	<0.2
105506	Soil	11	21	0.64	324	0.234	<1	1.74	0.006	0.79	0.2	0.01	9.0	0.3	<0.05	8	<0.5	<0.2
105407	Soil	18	22	1.02	403	0.259	<1	2.04	0.010	0.76	0.2	<0.01	13.5	0.2	<0.05	9	<0.5	<0.2
109435	Soil	24	31	0.65	154	0.118	<1	1.81	0.011	0.31	0.1	0.03	3.1	0.2	0.06	6	0.6	<0.2
109436	Soil	31	31	0.62	174	0.115	<1	1.78	0.012	0.30	0.1	0.03	3.0	0.2	<0.05	6	0.6	<0.2
109437	Soil	25	35	0.70	210	0.131	1	2.30	0.012	0.37	0.1	0.05	3.8	0.4	<0.05	7	<0.5	<0.2
109438	Soil	52	32	0.58	159	0.110	<1	2.00	0.013	0.29	0.1	0.05	3.0	0.3	<0.05	7	<0.5	<0.2
109439	Soil	26	29	0.61	163	0.123	<1	1.70	0.012	0.31	0.1	0.02	3.0	0.3	<0.05	6	<0.5	<0.2
109440	Soil	28	30	0.58	166	0.103	<1	1.67	0.016	0.28	0.1	0.03	2.7	0.2	<0.05	6	<0.5	<0.2
109441	Soil	23	31	0.69	197	0.147	<1	1.98	0.012	0.42	0.1	0.02	3.4	0.4	<0.05	6	<0.5	<0.2
109442	Soil	23	30	0.57	200	0.109	1	1.99	0.012	0.25	0.1	0.04	3.3	0.3	<0.05	6	<0.5	<0.2
109443	Soil	13	28	0.49	116	0.093	<1	1.68	0.008	0.13	0.1	<0.01	2.3	0.1	<0.05	8	<0.5	<0.2
109444	Soil	13	70	1.84	492	0.172	<1	2.71	0.012	1.25	<0.1	<0.01	9.4	0.4	<0.05	9	<0.5	<0.2
109445	Soil	12	46	0.88	165	0.113	<1	1.68	0.009	0.26	<0.1	0.02	3.6	0.3	<0.05	6	<0.5	<0.2
109446	Soil	10	14	1.10	726	0.125	<1	1.82	0.017	0.83	<0.1	<0.01	6.2	0.3	<0.05	6	<0.5	<0.2
109447	Soil	12	38	1.00	383	0.110	<1	1.75	0.015	0.41	<0.1	0.03	4.8	0.2	<0.05	6	<0.5	<0.2
109448	Soil	13	25	0.93	323	0.120	<1	1.75	0.010	0.56	<0.1	0.03	4.8	0.2	<0.05	6	<0.5	<0.2
109449	Soil	11	36	1.07	382	0.129	2	1.94	0.011	0.45	<0.1	0.04	6.2	0.3	<0.05	8	<0.5	<0.2
109450	Soil	10	23	0.89	253	0.125	2	1.71	0.009	0.44	<0.1	0.04	4.9	0.2	<0.05	7	<0.5	<0.2
109451	Soil	10	22	0.90	242	0.129	1	1.77	0.008	0.48	<0.1	0.04	5.0	0.2	<0.05	7	<0.5	<0.2
109452	Soil	10	23	0.81	209	0.114	1	1.68	0.010	0.42	0.1	0.03	4.5	0.2	<0.05	6	<0.5	<0.2
109453	Soil	11	26	0.69	217	0.119	1	1.70	0.008	0.36	0.1	0.03	4.8	0.2	<0.05	6	<0.5	<0.2

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
109454	Soil	0.8	18.7	7.9	87	<0.1	12.6	8.8	410	2.78	2.8	0.7	3.5	4.8	7	0.2	0.1	0.1	37	0.08	0.025
109455	Soil	0.8	67.1	2.3	64	<0.1	68.2	15.1	407	3.37	0.6	0.8	<0.5	3.2	38	<0.1	<0.1	<0.1	92	0.52	0.131
109456	Soil	1.1	25.0	6.7	109	0.3	23.7	12.8	1426	3.13	3.3	1.5	2.7	3.8	25	0.5	0.1	0.2	49	0.46	0.060
109457	Soil	0.7	26.8	8.5	58	<0.1	25.1	12.5	356	3.13	7.9	0.8	1.5	7.3	16	<0.1	0.4	0.1	59	0.21	0.029
109458	Soil	0.6	33.1	7.9	64	<0.1	64.4	15.4	456	3.54	6.1	0.8	1.8	5.2	22	<0.1	0.3	0.1	65	0.26	0.032
109459	Soil	0.4	106.6	1.5	67	<0.1	10.0	13.5	300	3.79	1.4	0.3	<0.5	1.4	12	0.2	<0.1	<0.1	98	0.27	0.087
109460	Soil	1.5	23.2	9.8	52	0.2	17.7	7.8	320	2.81	8.1	0.8	1.4	2.8	18	0.2	0.4	0.2	68	0.19	0.052
109461	Soil	0.8	34.7	13.2	69	<0.1	32.5	12.1	283	4.13	8.2	1.1	0.7	11.2	9	<0.1	0.3	0.3	53	0.09	0.031
109462	Soil	0.8	18.0	11.5	58	0.1	18.7	8.3	411	3.05	6.2	0.6	1.0	3.7	19	0.1	0.3	0.2	61	0.21	0.032
109463	Soil	0.8	26.6	10.8	67	<0.1	28.7	12.2	385	3.58	6.6	1.0	2.5	11.1	18	<0.1	0.3	0.2	59	0.20	0.030
109464	Soil	0.7	24.3	9.4	63	<0.1	26.9	11.5	343	3.28	7.8	0.8	1.6	8.9	20	<0.1	0.4	0.2	59	0.25	0.039
109465	Soil	0.8	19.0	6.7	62	<0.1	20.8	9.1	249	3.04	6.7	0.7	0.7	6.1	15	0.1	0.4	0.1	47	0.18	0.031
109466	Soil	0.9	28.0	8.9	59	<0.1	30.0	11.4	291	3.23	10.1	0.8	2.8	8.3	17	0.1	0.5	0.2	62	0.19	0.027
109467	Soil	0.5	48.9	17.6	99	<0.1	49.5	17.1	816	4.83	1.2	1.7	1.4	21.3	36	<0.1	<0.1	0.5	66	0.48	0.062
109468	Soil	1.1	34.7	10.1	65	0.1	24.2	12.5	362	3.73	7.2	0.8	1.0	5.9	38	0.1	0.3	0.2	69	0.18	0.031
109469	Soil	0.9	16.9	7.5	58	<0.1	16.0	8.9	359	2.98	5.8	0.8	1.5	4.3	19	0.1	0.2	0.1	51	0.25	0.031
109470	Soil	0.7	29.7	5.6	54	<0.1	20.8	14.3	334	3.07	6.8	0.4	5.9	3.7	18	0.1	0.4	0.1	71	0.31	0.023
109471	Soil	1.5	48.5	4.4	68	<0.1	174.7	23.2	468	3.62	3.6	0.6	<0.5	2.6	48	<0.1	0.2	<0.1	92	0.42	0.086
109472	Soil	0.3	21.2	3.5	28	<0.1	12.6	11.5	202	2.04	2.0	0.3	<0.5	2.8	168	<0.1	0.1	<0.1	54	0.76	0.061
109473	Soil	0.6	30.0	5.5	47	<0.1	24.1	13.4	226	2.71	5.2	0.5	1.6	4.7	46	<0.1	0.3	<0.1	65	0.59	0.064
109474	Soil	0.6	34.7	6.7	51	<0.1	24.3	11.4	248	3.04	2.2	1.4	<0.5	10.8	57	<0.1	0.2	0.1	51	0.64	0.068
109475	Soil	0.8	9.4	3.3	64	<0.1	11.3	12.1	538	3.20	1.3	0.7	<0.5	5.5	19	<0.1	<0.1	<0.1	56	0.52	0.091
109476	Soil	0.7	32.9	11.6	98	<0.1	28.7	18.6	564	4.29	4.8	0.6	<0.5	8.9	14	<0.1	0.2	0.2	65	0.23	0.047
109477	Soil	0.5	21.1	6.0	63	<0.1	14.6	14.2	444	3.47	4.7	0.7	<0.5	5.0	26	<0.1	0.2	<0.1	80	0.39	0.061
109478	Soil	0.8	34.2	7.2	76	<0.1	20.6	23.4	697	5.17	5.3	0.6	0.6	4.9	45	<0.1	0.4	<0.1	107	0.64	0.080
109479	Soil	1.3	14.4	5.4	65	<0.1	12.0	14.0	584	4.28	5.4	1.2	<0.5	7.7	21	<0.1	0.3	<0.1	90	0.30	0.045
109480	Soil	1.2	11.0	7.2	69	<0.1	13.9	15.5	951	3.87	4.1	0.4	<0.5	3.0	40	0.1	0.3	<0.1	95	0.43	0.039
109481	Soil	0.8	32.4	4.5	80	<0.1	21.5	18.6	688	4.39	3.6	0.8	0.5	6.7	38	<0.1	0.3	<0.1	107	0.52	0.071
118619	Soil	0.3	39.4	5.3	81	<0.1	36.7	19.7	257	4.35	1.3	1.6	<0.5	19.7	31	<0.1	<0.1	0.3	52	0.45	0.066
118620	Soil	0.3	23.6	1.4	49	<0.1	39.3	13.5	493	2.76	0.6	0.5	<0.5	5.2	18	<0.1	<0.1	<0.1	55	0.50	0.083

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
109454	Soil	13	35	0.83	228	0.144	<1	1.96	0.010	0.60	<0.1	0.02	4.6	0.4	<0.05	6	<0.5	<0.2
109455	Soil	17	128	1.42	862	0.144	<1	2.29	0.019	0.70	<0.1	0.01	7.0	0.2	<0.05	8	<0.5	<0.2
109456	Soil	24	42	1.01	381	0.118	1	2.08	0.013	0.52	<0.1	0.04	6.5	0.3	<0.05	7	0.8	<0.2
109457	Soil	15	36	0.75	220	0.139	<1	2.25	0.012	0.27	0.2	0.02	4.0	0.3	<0.05	7	<0.5	<0.2
109458	Soil	25	136	1.25	301	0.172	<1	2.47	0.009	0.40	<0.1	0.02	6.0	0.3	<0.05	8	<0.5	<0.2
109459	Soil	5	15	0.91	216	0.170	<1	2.29	0.012	0.37	<0.1	0.02	7.3	<0.1	<0.05	8	<0.5	<0.2
109460	Soil	12	31	0.43	300	0.065	1	1.83	0.009	0.05	0.2	0.02	3.4	0.1	<0.05	7	0.5	<0.2
109461	Soil	11	39	0.70	218	0.171	1	2.76	0.007	0.50	0.1	0.02	3.4	0.4	<0.05	8	<0.5	<0.2
109462	Soil	14	31	0.44	152	0.107	<1	1.91	0.011	0.18	0.1	0.03	2.8	0.2	<0.05	8	<0.5	<0.2
109463	Soil	34	41	0.75	215	0.170	<1	2.46	0.011	0.40	0.1	0.03	4.7	0.4	<0.05	8	<0.5	<0.2
109464	Soil	20	40	0.70	229	0.138	<1	2.29	0.015	0.21	0.2	0.03	4.4	0.2	<0.05	7	<0.5	<0.2
109465	Soil	13	29	0.69	240	0.110	1	1.88	0.010	0.20	0.1	0.02	4.6	0.2	<0.05	6	<0.5	<0.2
109466	Soil	17	43	0.62	218	0.085	<1	2.26	0.010	0.11	0.1	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
109467	Soil	94	63	1.01	319	0.176	<1	3.34	0.029	0.81	0.2	0.02	10.7	0.6	<0.05	12	<0.5	<0.2
109468	Soil	13	44	0.94	239	0.090	<1	2.83	0.012	0.27	<0.1	0.02	5.8	0.3	<0.05	8	<0.5	<0.2
109469	Soil	12	32	0.84	237	0.097	<1	1.87	0.012	0.15	0.1	0.01	5.1	0.1	<0.05	7	<0.5	<0.2
109470	Soil	9	41	0.93	190	0.126	<1	2.30	0.015	0.22	0.2	0.02	4.4	0.1	<0.05	6	<0.5	<0.2
109471	Soil	8	201	2.21	492	0.175	<1	2.67	0.012	0.42	<0.1	0.01	4.7	0.2	<0.05	10	<0.5	<0.2
109472	Soil	8	16	0.87	231	0.102	<1	2.68	0.068	0.07	<0.1	<0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
109473	Soil	19	48	0.78	242	0.121	<1	2.33	0.034	0.10	0.1	0.01	5.0	<0.1	<0.05	7	<0.5	<0.2
109474	Soil	30	42	0.99	184	0.110	<1	2.26	0.021	0.32	<0.1	0.01	5.0	0.2	<0.05	8	<0.5	<0.2
109475	Soil	12	29	1.16	277	0.128	<1	2.04	0.010	0.54	<0.1	0.01	4.1	0.2	<0.05	8	<0.5	<0.2
109476	Soil	8	66	1.61	244	0.226	<1	3.15	0.015	1.07	<0.1	<0.01	4.5	0.4	<0.05	9	<0.5	<0.2
109477	Soil	16	25	1.08	237	0.124	<1	2.26	0.019	0.37	<0.1	0.01	5.7	0.1	<0.05	7	<0.5	<0.2
109478	Soil	9	36	1.53	193	0.107	<1	2.61	0.028	0.19	<0.1	0.01	8.8	<0.1	<0.05	9	0.6	<0.2
109479	Soil	7	21	1.08	220	0.145	<1	2.34	0.011	0.62	<0.1	<0.01	5.5	0.3	<0.05	9	<0.5	<0.2
109480	Soil	6	26	1.04	286	0.211	<1	2.87	0.021	0.17	0.1	0.02	3.3	0.1	<0.05	9	<0.5	<0.2
109481	Soil	18	53	1.55	386	0.235	<1	2.65	0.020	0.68	<0.1	0.01	6.2	0.3	<0.05	8	<0.5	<0.2
118619	Soil	34	51	1.19	238	0.208	<1	2.77	0.009	0.95	<0.1	<0.01	6.1	0.8	<0.05	10	<0.5	<0.2
118620	Soil	14	141	1.40	230	0.133	<1	1.90	0.008	0.51	<0.1	<0.01	4.7	0.2	<0.05	6	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
118621	Soil	0.8	23.8	5.9	51	<0.1	42.1	12.3	290	2.79	5.9	0.5	0.6	3.8	27	<0.1	0.3	0.2	60	0.31	0.056
118622	Soil	0.7	28.2	3.0	35	<0.1	19.6	11.6	261	2.42	2.4	0.5	<0.5	2.5	119	<0.1	0.1	<0.1	52	0.77	0.204
118623	Soil	0.5	20.8	4.6	29	<0.1	22.2	7.7	157	1.67	4.2	0.3	1.4	2.2	38	<0.1	0.2	<0.1	37	0.25	0.051
118624	Soil	0.8	14.9	7.2	39	<0.1	15.1	6.9	190	2.24	7.7	0.5	<0.5	2.8	27	<0.1	0.3	0.2	48	0.25	0.038
118625	Soil	0.8	35.5	5.2	40	<0.1	28.9	19.1	350	4.32	1.6	1.2	<0.5	12.6	10	<0.1	0.1	0.1	66	0.12	0.073
118626	Soil	0.6	30.1	11.2	64	<0.1	26.5	13.8	297	4.09	2.4	1.4	0.6	13.3	6	<0.1	0.2	0.5	63	0.07	0.041
118627	Soil	7.9	77.4	20.7	84	<0.1	49.7	14.2	222	3.68	115.8	1.1	<0.5	8.1	35	<0.1	1.7	0.1	85	0.28	0.031
118628	Soil	0.7	19.1	7.9	63	<0.1	23.9	11.3	428	3.65	5.8	1.8	<0.5	14.0	10	<0.1	0.2	0.2	53	0.09	0.040
118629	Soil	0.8	12.8	8.2	42	<0.1	14.9	7.3	246	2.31	7.2	0.7	1.2	4.4	23	<0.1	0.4	0.2	46	0.19	0.019
118630	Soil	0.4	39.8	6.5	91	<0.1	40.2	16.2	469	4.35	6.9	1.6	0.7	18.3	58	<0.1	0.3	0.1	57	0.27	0.026
118631	Soil	0.6	23.3	8.2	67	<0.1	25.0	11.2	242	3.32	4.5	1.1	0.9	10.2	17	<0.1	0.2	0.1	47	0.16	0.018
118632	Soil	0.6	22.1	9.4	67	<0.1	26.1	12.6	283	3.39	8.4	0.8	<0.5	9.8	22	<0.1	0.4	0.3	49	0.12	0.023
120552	Soil	0.1	16.1	2.8	20	<0.1	4.9	8.0	113	1.76	1.2	0.5	2.2	1.1	131	<0.1	<0.1	<0.1	46	0.83	0.131
120553	Soil	0.7	76.8	2.1	71	<0.1	76.8	16.2	295	3.44	1.3	0.8	<0.5	4.1	129	<0.1	<0.1	<0.1	118	0.66	0.178
120554	Soil	0.7	44.2	5.0	73	<0.1	83.8	13.5	678	3.54	2.1	0.5	1.2	3.2	16	<0.1	0.1	0.1	114	0.37	0.098
120555	Soil	0.4	22.8	3.5	40	<0.1	22.7	11.0	255	2.59	2.2	0.6	1.1	4.4	139	<0.1	0.1	<0.1	47	0.46	0.079
120556	Soil	0.7	40.3	7.2	39	<0.1	15.3	8.7	322	2.51	5.6	1.0	1.6	5.9	28	<0.1	0.3	0.1	52	0.25	0.026
120557	Soil	0.7	22.1	9.7	58	<0.1	20.1	10.1	266	3.01	5.3	1.3	1.2	9.1	25	<0.1	0.3	0.2	49	0.26	0.016
120558	Soil	0.3	38.5	4.2	71	<0.1	15.9	18.5	593	4.57	1.4	0.5	<0.5	5.1	16	<0.1	0.1	<0.1	102	0.25	0.034
120559	Soil	0.9	40.8	4.8	76	<0.1	14.9	13.6	411	4.62	3.2	0.7	0.5	5.5	9	<0.1	0.3	0.2	94	0.12	0.027
120560	Soil	1.0	31.1	23.5	71	<0.1	15.9	7.4	340	2.69	8.3	1.2	3.4	5.5	14	<0.1	0.5	0.2	41	0.12	0.021
120561	Soil	2.1	21.3	5.3	58	<0.1	4.0	6.7	579	4.94	1.3	0.6	<0.5	1.9	11	<0.1	<0.1	<0.1	37	0.09	0.033
120562	Soil	1.1	16.0	6.1	71	<0.1	8.1	8.1	422	3.62	4.4	0.6	<0.5	2.6	8	<0.1	0.3	0.1	48	0.07	0.023
120563	Soil	0.6	19.2	6.0	61	<0.1	10.1	11.7	503	3.74	2.7	0.5	1.4	2.4	8	<0.1	0.2	0.1	81	0.07	0.041
120564	Soil	0.8	16.8	6.6	130	<0.1	15.0	11.7	743	4.50	4.1	0.9	3.4	3.1	15	<0.1	0.3	<0.1	112	0.16	0.034
120565	Soil	0.2	2.9	3.7	77	<0.1	14.8	24.3	843	5.61	<0.5	0.4	<0.5	2.0	11	<0.1	<0.1	<0.1	184	0.23	0.075
120566	Soil	1.1	21.6	7.9	50	<0.1	14.7	7.4	324	2.77	7.5	0.8	<0.5	4.2	13	<0.1	0.5	0.1	45	0.11	0.036
120567	Soil	1.0	19.1	5.1	59	<0.1	12.8	12.1	464	3.45	4.5	0.6	1.7	3.5	13	<0.1	0.3	0.1	67	0.16	0.044
120568	Soil	1.1	14.2	14.0	69	<0.1	8.1	4.8	285	2.47	4.1	0.6	1.7	4.4	10	<0.1	0.2	0.2	24	0.09	0.016
120569	Soil	0.9	20.2	10.3	50	<0.1	6.4	5.3	324	2.64	4.1	0.7	1.0	2.8	11	<0.1	0.2	0.2	39	0.11	0.025

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

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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
118621	Soil	10	70	0.94	220	0.103	2	1.87	0.011	0.09	0.1	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
118622	Soil	11	18	0.82	455	0.100	<1	2.36	0.048	0.35	<0.1	0.01	3.1	0.1	<0.05	6	<0.5	<0.2
118623	Soil	7	53	0.53	231	0.062	<1	1.63	0.015	0.05	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
118624	Soil	8	28	0.44	171	0.055	<1	1.69	0.011	0.05	0.1	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
118625	Soil	20	53	0.97	115	0.147	<1	2.23	0.009	0.72	<0.1	<0.01	6.6	0.3	<0.05	9	<0.5	<0.2
118626	Soil	23	39	0.87	115	0.181	<1	2.40	0.007	0.91	<0.1	0.01	4.4	0.4	<0.05	9	0.6	<0.2
118627	Soil	17	46	0.58	152	0.015	<1	1.86	0.008	0.04	<0.1	0.03	2.9	0.1	<0.05	6	0.9	<0.2
118628	Soil	9	45	1.04	120	0.184	<1	2.15	0.009	0.67	<0.1	0.02	3.8	0.3	<0.05	9	0.8	<0.2
118629	Soil	12	28	0.49	199	0.073	<1	1.60	0.012	0.06	0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
118630	Soil	23	57	1.03	333	0.247	<1	3.25	0.029	1.02	<0.1	<0.01	4.9	0.8	<0.05	11	0.7	<0.2
118631	Soil	31	36	0.77	187	0.166	<1	2.05	0.008	0.61	<0.1	0.01	3.4	0.4	<0.05	7	<0.5	<0.2
118632	Soil	13	40	0.68	152	0.100	<1	2.19	0.009	0.23	<0.1	0.01	3.4	0.3	<0.05	7	<0.5	<0.2
120552	Soil	6	6	0.69	186	0.035	<1	2.49	0.061	0.03	<0.1	0.01	4.3	<0.1	<0.05	5	<0.5	<0.2
120553	Soil	19	109	1.30	834	0.163	1	2.44	0.017	0.40	<0.1	0.01	6.1	0.2	<0.05	8	1.2	<0.2
120554	Soil	10	129	1.54	598	0.231	<1	2.54	0.009	0.89	<0.1	0.01	6.1	0.3	<0.05	9	<0.5	<0.2
120555	Soil	15	55	0.70	426	0.061	<1	1.73	0.026	0.16	<0.1	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
120556	Soil	15	35	0.51	204	0.066	1	1.47	0.022	0.06	<0.1	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
120557	Soil	27	34	0.55	216	0.081	<1	1.68	0.013	0.11	<0.1	0.03	5.4	0.1	<0.05	5	1.0	<0.2
120558	Soil	14	58	1.77	315	0.224	<1	3.08	0.012	0.78	<0.1	<0.01	6.8	0.3	<0.05	10	0.8	<0.2
120559	Soil	12	26	0.82	229	0.097	<1	2.22	0.009	0.33	<0.1	0.01	8.3	0.2	<0.05	8	0.6	<0.2
120560	Soil	18	26	0.50	247	0.068	<1	1.68	0.011	0.11	0.1	0.05	6.2	0.1	<0.05	4	0.7	<0.2
120561	Soil	8	9	2.23	750	0.203	<1	3.26	0.043	1.59	<0.1	0.01	11.8	0.2	<0.05	12	0.7	<0.2
120562	Soil	9	17	0.89	224	0.165	<1	2.11	0.009	0.54	<0.1	<0.01	4.8	0.2	<0.05	8	<0.5	<0.2
120563	Soil	7	21	1.38	214	0.110	<1	2.18	0.010	0.34	<0.1	0.02	8.5	<0.1	<0.05	8	0.7	<0.2
120564	Soil	14	29	2.12	436	0.130	<1	2.74	0.011	0.50	0.1	0.06	13.6	0.1	<0.05	9	0.9	<0.2
120565	Soil	7	24	4.20	489	0.203	<1	3.64	0.008	0.97	<0.1	<0.01	22.8	0.2	<0.05	12	<0.5	<0.2
120566	Soil	11	25	0.58	191	0.085	1	1.82	0.011	0.16	0.1	0.02	3.7	<0.1	<0.05	5	0.6	<0.2
120567	Soil	11	20	0.92	261	0.122	1	1.87	0.010	0.45	<0.1	0.01	7.9	0.2	<0.05	7	<0.5	<0.2
120568	Soil	10	14	0.60	158	0.077	<1	1.77	0.008	0.26	<0.1	0.02	3.0	0.1	<0.05	5	<0.5	<0.2
120569	Soil	11	13	0.92	294	0.102	<1	1.91	0.010	0.24	<0.1	0.02	4.5	0.1	<0.05	7	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
120570	Soil	0.9	67.8	16.1	77	<0.1	4.7	5.8	379	4.81	1.7	0.7	0.8	3.3	16	0.1	0.1	0.4	75	0.18	0.038
120571	Soil	1.5	66.8	10.0	139	<0.1	6.0	10.1	812	4.95	2.1	1.3	0.8	3.7	13	0.4	0.2	0.4	61	0.12	0.025
120572	Soil	1.0	19.8	12.2	70	<0.1	13.5	6.8	291	2.67	5.3	1.2	1.4	4.5	15	<0.1	0.3	0.1	38	0.13	0.022
120573	Soil	1.4	14.9	18.4	101	<0.1	5.9	3.1	312	2.33	3.3	1.0	2.0	5.4	9	0.1	0.2	0.3	21	0.11	0.028
120574	Soil	2.7	25.4	8.4	137	<0.1	6.3	10.6	701	3.75	2.2	1.3	0.5	5.8	7	0.3	0.2	0.2	27	0.03	0.022
120575	Soil	0.9	22.3	8.3	65	<0.1	18.1	10.3	440	3.11	7.9	0.8	1.6	4.4	19	<0.1	0.4	0.2	55	0.19	0.051
120576	Soil	0.5	25.2	4.9	53	<0.1	15.0	14.7	468	3.12	3.1	0.7	1.9	5.3	49	<0.1	0.2	0.1	73	0.30	0.044
107472	Soil	9.5	89.3	11.8	101	0.2	49.1	15.7	475	3.19	3.5	1.1	1.1	4.8	18	0.1	0.2	0.2	53	0.17	0.065
107473	Soil	1.1	27.3	9.0	62	0.2	21.5	10.6	422	2.55	5.4	1.1	3.8	3.1	23	0.1	0.3	0.2	55	0.26	0.063
107474	Soil	1.1	20.4	10.1	69	0.1	18.7	12.9	620	2.31	6.2	0.8	2.4	2.2	15	0.2	0.4	0.2	50	0.17	0.056
107475	Soil	1.1	48.7	12.5	118	<0.1	40.3	12.7	591	3.15	2.4	1.2	0.5	6.5	13	0.2	0.1	0.3	70	0.19	0.071
107476	Soil	1.0	23.9	8.3	71	0.2	22.0	8.1	276	2.57	5.4	0.8	6.1	3.3	18	0.2	0.3	0.1	53	0.17	0.055
107477	Soil	2.2	41.2	8.6	91	0.3	25.4	8.9	269	2.96	3.8	0.9	0.8	3.4	15	0.2	0.2	0.2	85	0.15	0.061
107478	Soil	2.8	44.8	8.6	106	0.3	48.7	9.6	298	2.96	3.9	1.3	1.1	2.8	24	0.2	0.2	0.2	86	0.16	0.060
107479	Soil	1.7	34.1	9.7	81	0.4	51.3	9.1	199	2.88	6.5	1.2	2.1	2.6	18	0.2	0.2	0.2	66	0.15	0.062
107480	Soil	1.0	44.7	10.3	92	0.3	41.5	11.6	472	2.67	8.0	1.1	4.4	3.0	22	0.4	0.6	0.2	62	0.93	0.058
107481	Soil	0.3	27.0	10.5	80	<0.1	29.9	13.5	570	3.70	3.0	1.1	1.7	14.3	20	<0.1	0.1	0.2	54	0.62	0.045
107482	Soil	0.6	57.5	6.8	80	<0.1	68.3	16.2	673	3.95	4.8	0.7	0.9	7.5	25	<0.1	0.1	0.2	88	0.49	0.026
107483	Soil	0.3	21.1	3.6	65	0.2	124.1	14.2	329	2.95	35.2	0.7	4.1	5.9	26	<0.1	<0.1	<0.1	59	0.51	0.020
107484	Soil	0.5	20.3	9.6	51	0.3	27.5	9.6	265	2.52	11.0	0.7	3.4	2.5	21	0.2	0.4	0.2	55	0.94	0.050
107485	Soil	2.1	37.9	11.3	60	1.0	20.2	7.6	196	2.94	10.0	2.9	4.9	4.7	16	0.3	0.5	0.3	105	0.13	0.027
107486	Soil	1.2	28.9	10.0	63	0.6	28.4	10.5	262	3.04	13.1	1.2	8.0	4.4	17	0.2	0.6	0.2	63	0.18	0.041
107487	Soil	0.2	26.8	8.1	68	<0.1	48.4	13.0	443	3.08	2.9	1.2	3.0	8.9	26	<0.1	0.1	0.2	47	0.48	0.045
107488	Soil	0.5	28.9	10.8	73	<0.1	34.1	14.9	495	3.49	4.5	1.1	1.8	10.8	41	<0.1	0.3	0.2	55	0.27	0.018
107489	Soil	0.2	31.6	8.9	80	<0.1	28.5	11.9	191	3.88	1.6	1.2	1.4	7.9	30	<0.1	0.1	0.2	31	0.09	0.015
107490	Soil	0.2	31.2	8.3	77	<0.1	28.0	11.8	181	3.69	1.3	1.1	<0.5	7.5	29	<0.1	0.1	0.2	29	0.08	0.015
107491	Soil	1.1	48.5	4.8	75	0.2	27.1	8.5	429	3.48	2.4	0.9	1.5	4.3	48	<0.1	0.1	0.2	66	0.32	0.036
107492	Soil	0.8	21.3	11.7	70	<0.1	35.4	12.4	338	3.39	6.8	0.8	<0.5	8.6	17	<0.1	0.4	0.2	62	0.14	0.024
107493	Soil	0.9	19.8	9.1	62	0.1	22.3	11.6	387	3.06	5.9	0.7	2.3	5.2	21	<0.1	0.4	0.2	65	0.21	0.035
107494	Soil	0.4	32.5	3.6	61	<0.1	17.2	10.4	548	3.62	4.1	0.7	1.2	3.9	16	<0.1	0.2	<0.1	95	0.27	0.040

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
120570	Soil	13	10	1.86	733	0.169	<1	2.99	0.027	0.92	<0.1	0.01	11.6	0.3	0.06	10	0.6	<0.2
120571	Soil	23	10	1.34	393	0.128	<1	2.09	0.021	0.66	<0.1	0.01	13.8	0.3	<0.05	8	0.5	<0.2
120572	Soil	14	22	0.53	176	0.098	<1	1.52	0.009	0.18	0.1	0.02	4.5	0.1	<0.05	5	<0.5	<0.2
120573	Soil	12	11	0.68	158	0.080	<1	1.83	0.006	0.31	<0.1	0.02	2.8	0.1	<0.05	6	0.6	<0.2
120574	Soil	14	8	0.58	214	0.090	<1	1.56	0.007	0.44	<0.1	<0.01	6.6	0.2	<0.05	6	<0.5	<0.2
120575	Soil	14	27	0.56	238	0.070	1	1.65	0.009	0.08	0.1	0.03	6.4	<0.1	<0.05	5	<0.5	<0.2
120576	Soil	16	46	1.08	332	0.137	<1	1.96	0.012	0.39	<0.1	<0.01	5.8	0.1	<0.05	6	<0.5	<0.2
107472	Soil	24	31	1.04	404	0.094	1	1.99	0.014	0.47	<0.1	0.02	3.4	0.3	0.06	6	0.7	<0.2
107473	Soil	25	28	0.58	227	0.100	1	1.54	0.012	0.18	0.3	0.04	3.3	0.2	<0.05	5	<0.5	<0.2
107474	Soil	11	28	0.57	166	0.082	1	1.48	0.011	0.12	0.1	0.02	2.9	0.2	<0.05	5	<0.5	<0.2
107475	Soil	23	40	0.97	303	0.138	<1	2.07	0.007	0.63	<0.1	0.02	6.0	0.4	<0.05	7	0.6	<0.2
107476	Soil	13	33	0.58	139	0.099	1	1.56	0.009	0.22	0.1	0.02	3.1	0.2	<0.05	5	<0.5	<0.2
107477	Soil	12	45	0.74	216	0.116	<1	1.66	0.010	0.36	0.1	0.02	3.4	0.3	<0.05	5	0.9	<0.2
107478	Soil	14	74	0.88	353	0.107	<1	1.78	0.011	0.32	<0.1	0.02	3.4	0.2	0.10	6	1.0	<0.2
107479	Soil	13	72	0.83	243	0.093	<1	1.89	0.009	0.16	0.1	0.03	3.8	0.2	<0.05	6	0.6	<0.2
107480	Soil	15	41	0.52	454	0.077	<1	1.58	0.017	0.05	<0.1	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2
107481	Soil	36	45	1.05	293	0.258	1	2.79	0.029	0.74	0.2	0.01	5.8	0.6	<0.05	9	<0.5	<0.2
107482	Soil	34	117	2.11	517	0.338	<1	3.59	0.018	1.12	0.4	<0.01	10.1	0.7	<0.05	12	0.6	<0.2
107483	Soil	19	138	2.70	554	0.227	<1	3.21	0.026	1.24	1.0	<0.01	8.0	0.7	<0.05	9	<0.5	<0.2
107484	Soil	15	32	0.41	275	0.038	<1	1.92	0.016	0.04	0.1	0.07	4.5	<0.1	<0.05	5	<0.5	<0.2
107485	Soil	21	43	0.42	251	0.081	<1	2.11	0.010	0.05	0.2	0.04	5.4	0.1	<0.05	7	<0.5	<0.2
107486	Soil	15	35	0.53	255	0.072	1	2.07	0.012	0.06	0.2	0.04	4.3	0.1	<0.05	5	<0.5	<0.2
107487	Soil	28	71	1.78	312	0.209	<1	2.57	0.016	0.57	0.2	0.02	5.3	0.4	<0.05	9	<0.5	<0.2
107488	Soil	30	64	0.92	249	0.252	<1	2.45	0.016	0.59	0.2	0.02	6.0	0.5	<0.05	8	<0.5	<0.2
107489	Soil	24	30	0.87	191	0.265	<1	2.39	0.009	1.13	<0.1	<0.01	3.5	0.7	<0.05	7	<0.5	<0.2
107490	Soil	22	29	0.87	186	0.264	<1	2.28	0.010	1.09	<0.1	<0.01	3.3	0.7	<0.05	7	0.5	<0.2
107491	Soil	18	44	1.18	488	0.249	<1	2.28	0.029	0.69	0.1	0.02	7.6	0.3	0.19	7	0.9	<0.2
107492	Soil	20	60	0.78	181	0.183	<1	2.37	0.008	0.39	0.1	0.01	3.9	0.3	<0.05	7	<0.5	<0.2
107493	Soil	15	32	0.66	270	0.145	<1	1.80	0.013	0.27	0.1	0.01	4.4	0.1	<0.05	6	<0.5	<0.2
107494	Soil	14	30	1.13	568	0.254	<1	1.77	0.009	0.47	0.1	0.02	12.3	0.2	<0.05	7	0.5	<0.2

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 Phone (604) 253-3158 Fax (604) 253-1716

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Project: DAN  
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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
107495	Soil	0.7	29.0	4.2	75	0.1	16.0	7.4	509	3.30	3.6	0.5	<0.5	3.5	9	<0.1	0.2	0.1	61	0.08	0.017
107496	Soil	0.4	29.7	3.5	56	<0.1	12.8	5.0	402	2.49	2.6	0.6	<0.5	4.4	10	<0.1	0.2	0.1	28	0.12	0.015
107497	Soil	0.8	20.4	7.8	51	0.1	20.1	8.8	395	2.53	8.1	0.8	1.1	3.9	23	<0.1	0.5	0.2	51	0.23	0.017
107498	Soil	1.0	29.0	4.6	80	<0.1	14.1	7.7	604	3.27	2.0	0.8	0.6	4.4	14	<0.1	0.2	0.2	61	0.29	0.041
107499	Soil	2.2	26.8	6.9	74	<0.1	20.0	7.9	447	3.26	4.9	0.7	<0.5	5.6	16	<0.1	0.3	0.2	53	0.19	0.021
107500	Soil	0.8	19.4	6.0	57	<0.1	18.4	8.9	221	2.56	6.9	0.5	<0.5	3.4	17	<0.1	0.4	0.1	53	0.20	0.034
107501	Soil	2.4	36.3	4.1	76	0.2	11.6	5.8	181	2.81	1.3	0.5	<0.5	1.6	19	<0.1	<0.1	0.2	62	0.07	0.040
107502	Soil	0.9	19.6	6.8	62	0.1	19.0	7.9	232	2.78	5.2	0.6	<0.5	3.1	19	<0.1	0.3	0.1	56	0.12	0.023
107503	Soil	0.9	39.5	5.0	86	<0.1	20.3	8.1	454	3.55	1.7	0.7	0.8	4.2	9	<0.1	0.1	0.2	63	0.10	0.021
107504	Soil	1.5	41.2	9.0	67	<0.1	20.9	5.0	266	2.30	1.4	0.7	<0.5	3.6	29	<0.1	0.1	0.3	69	0.11	0.019
107505	Soil	2.3	37.0	10.2	62	0.1	27.2	11.1	478	2.86	7.9	1.1	2.4	4.0	29	<0.1	0.4	0.3	69	0.27	0.027
107506	Soil	0.6	30.7	7.8	62	<0.1	29.8	11.9	389	3.28	4.9	1.1	3.0	7.0	18	<0.1	0.3	0.2	58	0.29	0.045
107507	Soil	0.9	29.7	6.7	62	<0.1	53.7	15.2	598	3.35	5.6	1.0	2.1	4.5	24	<0.1	0.3	0.1	65	0.49	0.068
107508	Soil	1.2	68.2	8.2	81	<0.1	112.1	23.5	813	4.97	4.4	0.8	3.2	6.9	26	<0.1	0.4	0.1	101	0.47	0.049
107509	Soil	1.6	49.1	11.7	65	<0.1	78.1	14.4	456	3.31	6.5	1.0	2.3	4.0	23	<0.1	0.5	0.2	74	0.33	0.042
107510	Soil	2.3	74.8	7.9	72	<0.1	67.9	13.0	914	3.64	3.7	1.6	2.9	3.4	16	<0.1	0.4	0.2	83	0.25	0.045
107511	Soil	1.4	41.3	9.9	87	0.2	63.5	13.4	441	3.07	8.0	1.5	18.3	4.1	29	0.3	0.4	0.2	80	0.51	0.087
108624	Soil	0.8	23.3	10.2	63	0.1	23.5	9.6	318	2.86	7.3	1.1	3.4	4.0	37	0.1	0.4	0.2	53	0.38	0.059
108625	Soil	0.8	22.7	11.8	53	<0.1	21.7	8.4	251	2.77	7.4	1.0	3.9	2.2	26	0.2	0.3	0.2	55	0.21	0.050
108626	Soil	6.6	32.1	5.0	62	<0.1	30.1	8.9	245	2.42	4.0	1.0	2.0	4.2	59	<0.1	0.2	0.1	84	0.30	0.043
108627	Soil	0.7	131.0	6.7	51	0.2	16.2	9.8	240	2.70	5.8	0.9	5.6	1.7	63	<0.1	0.3	0.1	69	0.33	0.058
108628	Soil	0.5	90.9	3.0	48	<0.1	12.8	11.4	329	2.49	3.0	0.3	1.4	1.3	48	0.1	0.2	<0.1	67	0.42	0.068
108629	Soil	0.5	71.5	4.8	47	<0.1	12.8	11.8	389	2.80	3.7	0.3	1.1	1.1	80	<0.1	0.2	<0.1	74	0.65	0.072
108630	Soil	1.1	117.7	4.8	84	<0.1	21.9	15.6	335	3.65	5.0	0.7	3.7	3.0	27	0.2	0.3	0.1	116	0.54	0.099
108631	Soil	1.1	31.8	9.6	61	<0.1	20.9	11.5	398	3.03	11.0	0.8	2.6	4.1	16	<0.1	0.6	0.2	68	0.17	0.046
108632	Soil	0.5	31.1	10.6	78	<0.1	34.8	13.4	401	3.60	3.1	1.3	0.7	10.9	36	<0.1	0.2	0.2	52	0.30	0.024
108633	Soil	0.8	21.3	11.8	63	<0.1	23.2	10.0	298	3.21	6.9	1.4	1.7	8.1	17	<0.1	0.3	0.2	54	0.21	0.041
108634	Soil	0.7	20.6	9.9	59	<0.1	22.5	9.5	286	3.00	7.7	1.0	2.6	5.5	18	<0.1	0.4	0.2	55	0.25	0.049
108635	Soil	1.0	18.9	12.5	63	<0.1	22.8	10.1	354	3.53	6.5	0.8	3.6	6.9	11	<0.1	0.3	0.2	61	0.12	0.029
108636	Soil	0.7	28.5	7.9	69	<0.1	42.3	14.1	433	3.35	4.5	0.9	3.3	6.3	17	<0.1	0.3	0.2	59	0.23	0.047

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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CERTIFICATE OF ANALYSIS

WHI11000629.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
107495	Soil	9	19	0.82	167	0.239	<1	2.07	0.007	0.70	0.1	<0.01	8.5	0.3	<0.05	7	<0.5	<0.2
107496	Soil	17	13	0.70	144	0.167	<1	1.56	0.008	0.50	<0.1	<0.01	6.9	0.2	<0.05	6	<0.5	<0.2
107497	Soil	13	30	0.53	264	0.091	<1	1.52	0.020	0.08	0.2	0.02	5.2	<0.1	<0.05	5	<0.5	<0.2
107498	Soil	14	19	1.00	197	0.244	<1	2.07	0.011	0.86	0.2	<0.01	8.5	0.4	<0.05	7	<0.5	<0.2
107499	Soil	15	23	0.78	159	0.183	<1	1.95	0.009	0.68	0.1	0.02	5.6	0.3	<0.05	6	<0.5	<0.2
107500	Soil	9	25	0.60	241	0.111	<1	1.43	0.012	0.25	0.1	<0.01	4.2	0.1	<0.05	5	<0.5	<0.2
107501	Soil	5	22	0.77	335	0.141	<1	1.72	0.026	0.86	<0.1	<0.01	4.4	0.2	0.21	5	1.4	<0.2
107502	Soil	11	29	0.67	299	0.121	<1	1.65	0.016	0.36	<0.1	0.01	5.5	0.1	<0.05	5	0.6	<0.2
107503	Soil	14	22	0.61	321	0.195	<1	1.55	0.007	0.73	0.1	0.02	8.1	0.3	<0.05	6	0.8	<0.2
107504	Soil	13	41	0.68	250	0.131	<1	1.69	0.019	0.46	<0.1	<0.01	3.9	0.3	0.12	6	1.0	<0.2
107505	Soil	14	40	0.57	306	0.095	1	1.57	0.013	0.24	0.2	0.02	4.9	0.2	0.07	6	0.6	<0.2
107506	Soil	25	53	0.86	237	0.181	<1	2.11	0.012	0.68	0.2	0.02	5.9	0.3	<0.05	8	<0.5	<0.2
107507	Soil	16	112	1.04	325	0.154	<1	1.85	0.011	0.37	0.2	0.01	5.0	0.3	<0.05	6	<0.5	<0.2
107508	Soil	23	210	2.02	710	0.281	<1	3.37	0.012	1.01	0.1	0.04	11.7	0.5	<0.05	12	<0.5	<0.2
107509	Soil	11	148	1.05	361	0.105	<1	1.65	0.009	0.19	0.1	0.04	5.8	0.2	<0.05	6	0.7	<0.2
107510	Soil	11	105	0.95	329	0.132	<1	1.81	0.007	0.54	0.1	0.06	7.4	0.4	<0.05	6	0.9	<0.2
107511	Soil	16	114	1.00	450	0.120	<1	1.81	0.014	0.21	0.1	0.05	5.6	0.2	<0.05	6	0.5	<0.2
108624	Soil	24	31	0.57	207	0.091	1	1.79	0.009	0.19	0.1	0.02	3.3	0.2	<0.05	6	0.6	<0.2
108625	Soil	20	32	0.53	250	0.080	<1	1.96	0.008	0.15	0.1	0.02	3.0	0.2	<0.05	7	<0.5	<0.2
108626	Soil	22	53	1.08	1289	0.111	<1	2.20	0.021	0.23	0.1	0.01	3.5	0.2	<0.05	8	0.5	<0.2
108627	Soil	12	23	0.74	401	0.081	<1	1.83	0.010	0.13	<0.1	0.03	4.8	<0.1	<0.05	6	0.6	<0.2
108628	Soil	6	18	0.74	289	0.126	<1	1.87	0.021	0.26	<0.1	0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
108629	Soil	6	20	0.78	226	0.052	<1	2.37	0.041	0.07	<0.1	<0.01	4.6	<0.1	<0.05	7	<0.5	<0.2
108630	Soil	15	31	1.02	304	0.148	<1	1.90	0.013	0.22	0.1	0.02	7.8	0.1	<0.05	8	0.5	<0.2
108631	Soil	13	34	0.58	191	0.070	<1	2.13	0.010	0.05	0.2	0.03	4.6	0.1	<0.05	6	<0.5	<0.2
108632	Soil	34	54	0.99	239	0.196	<1	2.44	0.012	0.67	<0.1	<0.01	4.6	0.5	<0.05	9	<0.5	<0.2
108633	Soil	24	35	0.67	147	0.113	<1	2.15	0.007	0.25	0.1	0.02	3.6	0.3	<0.05	7	<0.5	<0.2
108634	Soil	22	35	0.63	179	0.107	<1	1.95	0.008	0.21	0.1	0.03	3.8	0.2	<0.05	7	<0.5	<0.2
108635	Soil	20	38	0.62	137	0.158	<1	2.14	0.005	0.38	0.2	0.02	3.6	0.4	<0.05	8	<0.5	<0.2
108636	Soil	27	83	1.03	234	0.196	<1	2.25	0.007	0.55	0.1	0.02	4.2	0.4	<0.05	8	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
108637	Soil	0.6	25.6	8.6	65	<0.1	36.2	12.3	384	3.08	6.2	0.9	1.7	6.9	21	<0.1	0.4	0.2	52	0.23	0.033
108638	Soil	0.8	29.6	8.7	61	<0.1	59.9	14.5	388	3.16	6.9	0.8	1.9	5.9	24	<0.1	0.3	0.2	63	0.22	0.030
108639	Soil	0.9	63.6	7.2	76	<0.1	38.6	14.7	350	3.83	4.0	0.6	1.3	4.1	34	<0.1	0.2	0.1	91	0.31	0.043
108640	Soil	1.2	59.1	7.2	72	<0.1	37.9	14.7	374	3.83	4.7	0.7	1.4	4.3	33	<0.1	0.2	0.1	92	0.30	0.039
108641	Soil	1.5	39.4	11.7	62	0.2	29.7	12.5	605	2.85	5.3	2.4	2.8	4.5	36	0.3	0.3	0.2	57	0.63	0.057
108642	Soil	1.3	29.7	8.6	61	0.2	32.3	11.8	572	2.81	6.4	2.0	2.1	5.5	33	0.2	0.2	0.2	53	0.66	0.051
108643	Soil	1.5	27.1	9.0	73	0.2	36.1	10.8	443	2.47	8.6	2.4	2.0	3.5	35	0.3	0.3	0.2	48	0.95	0.058
108644	Soil	0.8	27.0	12.9	76	<0.1	33.7	14.8	502	3.92	5.5	1.1	1.6	13.5	16	<0.1	0.3	0.2	56	0.25	0.033
108645	Soil	0.7	25.2	12.9	65	<0.1	48.5	13.8	462	3.56	4.2	1.6	0.7	9.5	20	<0.1	0.2	0.2	55	0.30	0.032
108646	Soil	0.5	22.1	11.1	67	<0.1	28.1	12.2	393	3.54	3.7	1.0	2.9	12.2	15	<0.1	0.2	0.2	53	0.23	0.019
108647	Soil	0.7	25.1	15.8	73	<0.1	31.4	14.2	453	3.96	4.3	1.1	4.5	12.7	13	<0.1	0.2	0.2	55	0.20	0.036
108648	Soil	0.9	17.9	12.1	61	<0.1	24.1	13.1	392	3.47	4.6	0.8	0.9	9.8	15	<0.1	0.3	0.2	57	0.22	0.021
108649	Soil	0.8	20.6	13.0	67	<0.1	27.0	12.5	526	3.52	4.5	1.7	2.6	13.5	22	<0.1	0.2	0.2	50	0.33	0.042
108650	Soil	0.8	27.0	15.2	75	<0.1	32.2	13.6	490	3.82	2.4	2.1	1.6	16.7	21	<0.1	0.1	0.2	47	0.32	0.044
108651	Soil	0.9	25.2	15.7	76	<0.1	29.7	12.8	469	3.63	3.3	1.5	3.0	12.2	17	<0.1	0.2	0.2	52	0.26	0.043
108652	Soil	1.4	18.4	8.7	60	0.1	17.8	9.2	269	3.19	4.6	1.1	1.8	5.8	16	<0.1	0.3	0.2	50	0.17	0.017
108653	Soil	1.2	27.4	8.2	86	<0.1	14.1	11.3	499	3.62	3.1	0.8	<0.5	3.3	13	0.1	0.2	0.1	54	0.18	0.018
108654	Soil	0.6	26.2	9.0	57	<0.1	31.9	10.2	326	2.76	6.6	1.1	1.9	8.0	24	<0.1	0.4	0.2	46	0.30	0.052
108655	Soil	0.7	24.2	10.2	59	<0.1	28.7	10.2	342	2.76	7.4	1.0	7.1	7.4	17	<0.1	0.4	0.2	47	0.25	0.043
108656	Soil	0.7	18.0	9.8	59	<0.1	26.2	9.1	321	2.71	6.4	0.8	0.7	5.6	21	<0.1	0.3	0.2	49	0.29	0.045





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:** Taku Gold Corp  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

**Project:** DAN  
**Report Date:** August 05, 2011

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# CERTIFICATE OF ANALYSIS

WHI11000629.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
108637	Soil	27	59	0.86	222	0.157	<1	2.04	0.007	0.41	0.1	0.01	4.1	0.3	<0.05	6	<0.5	<0.2
108638	Soil	19	121	1.07	242	0.140	<1	2.33	0.011	0.24	0.1	0.02	4.2	0.2	<0.05	7	<0.5	<0.2
108639	Soil	13	67	1.24	320	0.210	<1	2.53	0.014	0.53	0.1	0.01	5.7	0.3	<0.05	9	<0.5	<0.2
108640	Soil	14	68	1.18	314	0.203	<1	2.49	0.012	0.48	0.1	0.02	5.2	0.3	<0.05	9	<0.5	<0.2
108641	Soil	20	40	0.67	406	0.121	<1	1.96	0.018	0.18	0.2	0.03	4.5	0.2	<0.05	7	0.7	<0.2
108642	Soil	40	44	0.70	350	0.112	<1	1.77	0.013	0.20	0.1	0.04	4.2	0.2	<0.05	6	1.0	<0.2
108643	Soil	24	46	0.57	279	0.075	2	1.38	0.013	0.13	0.2	0.04	3.5	0.1	0.05	5	1.4	<0.2
108644	Soil	30	44	0.89	193	0.214	<1	2.38	0.008	0.58	0.1	0.01	4.5	0.5	<0.05	8	0.5	<0.2
108645	Soil	37	83	0.97	184	0.190	<1	2.34	0.008	0.49	0.2	0.02	4.5	0.4	<0.05	8	<0.5	<0.2
108646	Soil	33	42	0.84	173	0.223	<1	2.27	0.008	0.62	0.1	0.01	4.9	0.5	<0.05	8	<0.5	<0.2
108647	Soil	27	46	0.87	194	0.225	<1	2.35	0.008	0.76	0.2	0.02	5.0	0.5	<0.05	9	<0.5	<0.2
108648	Soil	37	36	0.74	173	0.165	<1	2.04	0.008	0.50	0.2	0.02	4.2	0.3	<0.05	8	<0.5	<0.2
108649	Soil	64	41	0.71	206	0.165	<1	1.93	0.010	0.52	0.2	0.02	5.0	0.4	<0.05	7	<0.5	<0.2
108650	Soil	62	44	0.78	184	0.200	<1	2.04	0.009	0.75	0.1	0.02	4.7	0.5	<0.05	8	<0.5	<0.2
108651	Soil	44	42	0.81	206	0.188	<1	1.94	0.008	0.61	0.1	0.01	4.6	0.5	<0.05	7	<0.5	<0.2
108652	Soil	16	34	0.77	246	0.174	<1	1.78	0.011	0.49	<0.1	0.01	5.4	0.3	<0.05	7	0.6	<0.2
108653	Soil	9	34	1.33	246	0.174	1	2.16	0.011	0.76	0.1	0.01	7.9	0.3	<0.05	8	<0.5	<0.2
108654	Soil	29	46	0.69	269	0.130	<1	1.74	0.011	0.20	0.2	0.02	4.2	0.2	<0.05	6	<0.5	<0.2
108655	Soil	27	42	0.63	220	0.115	1	1.94	0.011	0.17	0.2	0.02	4.1	0.2	<0.05	6	0.5	<0.2
108656	Soil	16	44	0.67	203	0.117	<1	1.79	0.010	0.17	0.1	0.02	3.4	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: **Taku Gold Corp**  
680 3rd Ave, Suite 203  
Val D'Or QC J9P 1S5 Canada

Project: DAN  
Report Date: August 05, 2011

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QUALITY CONTROL REPORT

WHI11000629.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
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																					
122146	Soil	1.1	53.2	4.0	65	<0.1	25.6	16.3	626	5.04	1.2	0.9	<0.5	6.2	7	0.2	0.1	0.1	99	0.09	0.042
REP 122146	QC	1.0	54.6	4.2	65	<0.1	26.4	16.6	646	5.15	1.3	1.0	<0.5	6.3	7	0.1	0.2	0.1	101	0.08	0.042
122166	Soil	0.9	27.0	8.2	60	<0.1	21.6	10.0	342	2.87	10.2	0.9	4.5	5.2	16	0.1	0.5	0.2	62	0.17	0.030
REP 122166	QC	0.8	27.3	8.6	58	<0.1	21.5	10.2	343	2.89	10.2	1.0	3.1	5.3	16	<0.1	0.5	0.2	60	0.16	0.028
122174	Soil	0.7	31.2	10.9	62	<0.1	22.0	9.8	326	2.89	6.4	1.0	1.7	5.7	14	<0.1	0.3	0.2	60	0.20	0.031
REP 122174	QC	0.8	31.5	10.4	60	<0.1	21.6	9.4	318	2.86	6.2	1.0	0.7	5.6	14	<0.1	0.3	0.2	58	0.18	0.032
112556	Soil	0.9	24.6	18.4	75	0.2	21.3	6.9	230	2.77	5.1	1.2	3.1	6.2	16	0.1	0.3	0.2	48	0.14	0.032
REP 112556	QC	0.9	25.6	18.9	76	0.2	21.8	7.1	235	2.81	5.4	1.2	2.7	6.5	16	<0.1	0.2	0.2	49	0.14	0.033
105441	Soil	0.4	23.1	2.9	85	<0.1	8.7	26.2	1012	5.31	1.2	0.4	<0.5	5.7	33	<0.1	0.1	<0.1	115	0.33	0.089
REP 105441	QC	0.3	22.0	3.0	81	<0.1	8.2	25.0	998	5.11	1.0	0.3	<0.5	5.7	33	<0.1	0.1	<0.1	111	0.34	0.095
105460	Soil	0.6	40.4	18.1	91	<0.1	33.3	13.7	544	4.18	0.9	1.1	1.0	19.6	18	<0.1	0.1	0.3	52	0.35	0.064
REP 105460	QC	0.7	40.6	18.4	89	<0.1	32.8	13.4	547	4.18	1.0	1.1	2.0	20.3	18	<0.1	<0.1	0.3	51	0.34	0.062
112575	Soil	0.6	16.8	5.9	50	<0.1	15.4	8.1	172	2.39	3.1	0.9	0.7	3.3	24	<0.1	0.1	0.1	54	0.25	0.046
REP 112575	QC	0.7	15.4	5.7	45	<0.1	14.5	7.4	156	2.21	2.8	0.8	1.2	3.1	22	<0.1	0.1	0.1	49	0.23	0.039
105486	Soil	1.9	103.1	12.3	170	0.1	45.4	11.2	288	3.18	1.5	1.9	4.1	5.3	16	0.5	0.2	0.2	83	0.14	0.055
REP 105486	QC	2.1	100.7	12.7	168	0.1	42.8	10.9	275	3.01	1.6	1.9	5.0	5.2	15	0.6	0.2	0.2	82	0.13	0.052
105492	Soil	1.8	52.5	8.5	102	0.2	43.8	11.5	379	2.78	2.7	1.6	2.3	5.9	14	0.3	0.2	0.2	63	0.07	0.030
REP 105492	QC	1.6	53.8	8.6	103	0.2	45.2	11.5	396	2.87	2.8	1.6	3.3	6.5	14	0.3	0.3	0.2	64	0.08	0.033
105407	Soil	0.3	29.3	3.8	78	<0.1	12.1	8.3	490	3.73	2.2	1.1	1.7	6.0	17	<0.1	0.2	<0.1	101	0.30	0.048
REP 105407	QC	0.4	29.3	3.6	80	<0.1	12.2	8.5	475	3.79	2.1	1.0	2.4	5.7	17	<0.1	0.2	<0.1	101	0.29	0.046
109462	Soil	0.8	18.0	11.5	58	0.1	18.7	8.3	411	3.05	6.2	0.6	1.0	3.7	19	0.1	0.3	0.2	61	0.21	0.032
REP 109462	QC	0.9	17.3	11.7	58	0.1	18.3	8.3	415	3.01	6.2	0.6	0.8	3.8	19	0.1	0.3	0.2	61	0.22	0.033
109474	Soil	0.6	34.7	6.7	51	<0.1	24.3	11.4	248	3.04	2.2	1.4	<0.5	10.8	57	<0.1	0.2	0.1	51	0.64	0.068
REP 109474	QC	0.6	34.6	6.6	50	<0.1	25.2	11.2	246	2.98	2.3	1.3	<0.5	10.6	57	<0.1	0.1	0.1	51	0.64	0.068
120555	Soil	0.4	22.8	3.5	40	<0.1	22.7	11.0	255	2.59	2.2	0.6	1.1	4.4	139	<0.1	0.1	<0.1	47	0.46	0.079
REP 120555	QC	0.4	23.7	3.5	41	<0.1	22.7	11.0	256	2.54	2.3	0.5	0.9	4.5	139	<0.1	0.2	<0.1	49	0.46	0.080
120560	Soil	1.0	31.1	23.5	71	<0.1	15.9	7.4	340	2.69	8.3	1.2	3.4	5.5	14	<0.1	0.5	0.2	41	0.12	0.021
REP 120560	QC	1.1	33.3	23.9	74	<0.1	16.6	7.6	353	2.71	8.9	1.2	5.8	5.8	15	0.1	0.6	0.2	44	0.11	0.020

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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: **Taku Gold Corp**  
680 3rd Ave, Suite 203  
Val D'Or QC J9P 1S5 Canada

Project: DAN  
Report Date: August 05, 2011

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QUALITY CONTROL REPORT

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
122146	Soil	18	52	2.06	445	0.112	<1	3.20	0.014	0.53	<0.1	0.01	11.8	0.2	<0.05	10	<0.5	<0.2
REP 122146	QC	18	53	2.11	456	0.112	<1	3.28	0.015	0.54	<0.1	0.02	12.3	0.2	<0.05	10	<0.5	<0.2
122166	Soil	18	36	0.60	202	0.085	2	2.17	0.012	0.07	0.1	0.05	5.7	0.1	<0.05	6	<0.5	<0.2
REP 122166	QC	18	35	0.60	203	0.084	2	2.14	0.012	0.07	0.1	0.04	5.5	0.1	<0.05	6	<0.5	<0.2
122174	Soil	13	31	0.61	187	0.079	2	1.99	0.008	0.09	0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
REP 122174	QC	13	30	0.58	183	0.074	1	2.01	0.008	0.09	<0.1	0.02	4.3	<0.1	<0.05	6	<0.5	<0.2
112556	Soil	21	31	0.61	172	0.110	2	1.94	0.009	0.32	0.1	0.05	3.8	0.4	<0.05	6	0.7	<0.2
REP 112556	QC	22	32	0.62	174	0.110	1	1.94	0.010	0.31	0.1	0.07	3.8	0.4	<0.05	7	0.5	<0.2
105441	Soil	6	12	2.08	411	0.274	<1	3.42	0.007	1.56	<0.1	<0.01	3.2	0.4	<0.05	8	<0.5	<0.2
REP 105441	QC	6	11	1.94	408	0.261	1	3.29	0.007	1.45	<0.1	<0.01	3.3	0.4	<0.05	8	<0.5	<0.2
105460	Soil	42	43	0.93	268	0.203	1	2.44	0.009	1.02	0.1	<0.01	6.3	0.7	<0.05	10	0.6	<0.2
REP 105460	QC	43	43	0.93	274	0.205	<1	2.49	0.009	1.05	0.1	0.01	6.1	0.7	<0.05	9	0.6	<0.2
112575	Soil	14	33	0.67	149	0.144	<1	1.75	0.016	0.22	0.1	0.04	3.7	0.1	<0.05	7	<0.5	<0.2
REP 112575	QC	12	31	0.61	133	0.126	<1	1.58	0.015	0.20	0.1	0.03	3.3	0.1	<0.05	6	<0.5	<0.2
105486	Soil	18	52	0.79	432	0.125	<1	1.74	0.007	0.54	<0.1	0.02	5.0	0.4	<0.05	6	1.3	<0.2
REP 105486	QC	18	51	0.74	424	0.120	<1	1.66	0.007	0.52	<0.1	0.01	4.8	0.4	<0.05	6	1.0	<0.2
105492	Soil	16	48	0.77	294	0.153	<1	1.80	0.007	0.52	<0.1	0.01	3.5	0.3	<0.05	6	1.1	<0.2
REP 105492	QC	17	50	0.73	304	0.158	<1	1.84	0.008	0.53	<0.1	0.02	3.6	0.3	<0.05	6	0.6	<0.2
105407	Soil	18	22	1.02	403	0.259	<1	2.04	0.010	0.76	0.2	<0.01	13.5	0.2	<0.05	9	<0.5	<0.2
REP 105407	QC	19	22	1.01	400	0.260	<1	1.99	0.010	0.76	0.1	0.01	13.8	0.2	<0.05	9	<0.5	<0.2
109462	Soil	14	31	0.44	152	0.107	<1	1.91	0.011	0.18	0.1	0.03	2.8	0.2	<0.05	8	<0.5	<0.2
REP 109462	QC	14	31	0.44	154	0.106	<1	1.91	0.012	0.18	0.1	0.02	2.9	0.2	<0.05	8	<0.5	<0.2
109474	Soil	30	42	0.99	184	0.110	<1	2.26	0.021	0.32	<0.1	0.01	5.0	0.2	<0.05	8	<0.5	<0.2
REP 109474	QC	29	42	0.95	180	0.107	<1	2.27	0.020	0.32	<0.1	0.02	4.8	0.2	<0.05	8	<0.5	<0.2
120555	Soil	15	55	0.70	426	0.061	<1	1.73	0.026	0.16	<0.1	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
REP 120555	QC	15	54	0.73	430	0.060	1	1.70	0.024	0.16	<0.1	0.02	4.5	0.1	<0.05	5	<0.5	<0.2
120560	Soil	18	26	0.50	247	0.068	<1	1.68	0.011	0.11	0.1	0.05	6.2	0.1	<0.05	4	0.7	<0.2
REP 120560	QC	19	26	0.52	250	0.075	1	1.70	0.015	0.12	0.1	0.04	6.7	0.1	<0.05	5	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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QUALITY CONTROL REPORT

WHI11000629.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
107472	Soil	9.5	89.3	11.8	101	0.2	49.1	15.7	475	3.19	3.5	1.1	1.1	4.8	18	0.1	0.2	0.2	53	0.17	0.065
REP 107472	QC	9.2	92.1	12.0	102	0.2	50.5	16.6	494	3.33	3.6	1.1	1.2	4.9	19	0.1	0.2	0.2	56	0.17	0.068
107489	Soil	0.2	31.6	8.9	80	<0.1	28.5	11.9	191	3.88	1.6	1.2	1.4	7.9	30	<0.1	0.1	0.2	31	0.09	0.015
REP 107489	QC	0.2	31.2	8.7	78	<0.1	27.2	11.3	185	3.78	1.2	1.2	1.2	8.1	30	<0.1	0.1	0.2	31	0.09	0.014
107508	Soil	1.2	68.2	8.2	81	<0.1	112.1	23.5	813	4.97	4.4	0.8	3.2	6.9	26	<0.1	0.4	0.1	101	0.47	0.049
REP 107508	QC	1.0	67.0	7.4	76	<0.1	105.7	22.1	762	4.68	4.3	0.8	2.2	6.7	24	<0.1	0.3	0.1	97	0.46	0.047
108644	Soil	0.8	27.0	12.9	76	<0.1	33.7	14.8	502	3.92	5.5	1.1	1.6	13.5	16	<0.1	0.3	0.2	56	0.25	0.033
REP 108644	QC	0.7	27.1	12.9	78	<0.1	33.9	14.5	502	3.87	5.1	1.1	1.5	13.7	16	<0.1	0.2	0.2	55	0.25	0.032
Reference Materials																					
STD DS8	Standard	13.0	110.1	123.7	301	1.7	36.5	7.5	586	2.30	26.3	2.7	104.4	7.0	67	2.7	5.5	6.9	37	0.66	0.076
STD DS8	Standard	13.0	108.5	119.0	303	1.7	36.8	7.4	573	2.35	26.1	2.7	109.5	6.9	68	2.3	5.6	7.1	39	0.67	0.075
STD DS8	Standard	11.5	99.8	120.5	299	1.7	33.1	6.8	552	2.25	26.3	2.5	96.4	6.2	65	2.0	5.1	6.7	36	0.64	0.077
STD DS8	Standard	12.3	103.8	125.9	304	1.9	36.1	7.3	596	2.43	26.6	2.8	115.4	7.0	71	2.3	5.7	7.1	35	0.68	0.076
STD DS8	Standard	13.5	105.0	133.9	313	1.8	37.2	7.3	615	2.45	26.8	3.1	128.0	7.5	79	2.4	6.2	7.3	42	0.70	0.083
STD DS8	Standard	13.2	100.2	127.5	311	1.9	35.5	7.2	597	2.37	25.1	2.9	105.7	7.1	78	2.3	6.1	7.1	41	0.70	0.078
STD DS8	Standard	12.2	98.6	121.8	279	1.5	35.3	7.1	567	2.26	25.0	2.4	130.0	6.3	60	2.3	4.9	5.7	39	0.63	0.069
STD DS8	Standard	11.4	93.8	114.0	265	1.5	32.9	6.6	527	2.15	22.9	2.4	98.1	6.2	57	2.2	4.8	5.5	37	0.60	0.069
STD DS8	Standard	11.4	93.8	115.1	277	1.7	31.9	6.4	535	2.13	23.9	2.6	107.9	5.9	68	2.0	5.2	6.3	34	0.60	0.072
STD DS8	Standard	11.7	93.3	115.7	272	1.6	32.9	6.3	542	2.16	23.5	2.7	101.5	6.2	72	2.3	5.3	6.3	36	0.61	0.073
STD DS8	Standard	13.2	105.7	105.2	309	1.9	35.7	7.3	616	2.47	26.9	2.6	120.4	6.6	65	2.5	5.2	6.4	40	0.69	0.081
STD DS8	Standard	12.9	103.9	106.7	307	1.9	35.8	7.2	611	2.45	27.2	2.5	139.4	6.5	65	2.5	5.3	6.3	41	0.70	0.081
STD DS8	Standard	13.1	100.9	104.4	307	1.8	35.1	6.8	623	2.47	26.7	2.5	114.8	6.3	67	2.1	5.1	6.1	40	0.69	0.077
STD DS8	Standard	12.9	100.7	106.0	309	1.8	35.5	6.9	605	2.44	26.0	2.5	117.5	6.5	66	2.4	5.2	6.1	40	0.73	0.076
STD DS8	Standard	12.7	106.7	122.2	321	1.9	37.3	7.7	618	2.51	28.0	2.5	108.0	6.2	63	2.5	5.7	6.6	41	0.69	0.080
STD DS8	Standard	12.6	104.0	121.8	309	1.8	36.4	7.4	602	2.44	28.2	2.6	106.9	6.2	62	2.4	5.4	6.6	41	0.66	0.078
STD DS8	Standard	12.5	106.1	115.9	301	1.7	36.1	7.2	576	2.32	25.8	2.6	110.4	6.2	66	2.3	5.4	6.6	40	0.64	0.081
STD DS8	Standard	12.6	106.9	117.9	311	1.8	37.1	7.5	598	2.43	26.0	2.6	117.7	6.5	66	2.3	5.7	6.6	41	0.65	0.081
STD DS8	Standard	13.0	112.5	122.0	315	1.8	38.6	7.8	613	2.44	26.8	2.8	112.9	6.8	70	2.4	5.5	6.8	42	0.69	0.083
STD DS8	Standard	13.9	114.7	125.1	322	1.9	39.7	7.8	632	2.51	27.5	2.9	118.5	7.2	74	2.5	5.8	6.8	44	0.72	0.080



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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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 Report Date: August 05, 2011

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000629.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
107472	Soil	24	31	1.04	404	0.094	1	1.99	0.014	0.47	<0.1	0.02	3.4	0.3	0.06	6	0.7	<0.2
REP 107472	QC	24	32	1.06	409	0.097	<1	2.01	0.014	0.45	<0.1	0.03	3.4	0.3	0.06	6	0.5	<0.2
107489	Soil	24	30	0.87	191	0.265	<1	2.39	0.009	1.13	<0.1	<0.01	3.5	0.7	<0.05	7	<0.5	<0.2
REP 107489	QC	23	29	0.88	187	0.266	<1	2.37	0.009	1.14	<0.1	<0.01	3.6	0.7	<0.05	7	<0.5	<0.2
107508	Soil	23	210	2.02	710	0.281	<1	3.37	0.012	1.01	0.1	0.04	11.7	0.5	<0.05	12	<0.5	<0.2
REP 107508	QC	22	195	1.88	678	0.270	<1	3.20	0.012	0.94	0.1	0.03	10.9	0.5	<0.05	11	0.6	<0.2
108644	Soil	30	44	0.89	193	0.214	<1	2.38	0.008	0.58	0.1	0.01	4.5	0.5	<0.05	8	0.5	<0.2
REP 108644	QC	29	43	0.89	191	0.211	<1	2.37	0.010	0.60	0.1	0.01	4.6	0.5	<0.05	8	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	112	0.57	281	0.115	3	0.90	0.100	0.43	2.9	0.20	2.3	5.2	0.15	4	5.1	4.6
STD DS8	Standard	15	112	0.59	285	0.115	2	0.90	0.102	0.41	3.0	0.19	2.3	5.4	0.14	5	4.7	5.4
STD DS8	Standard	13	107	0.58	256	0.101	2	0.84	0.093	0.42	2.8	0.18	2.4	5.0	0.17	5	4.6	3.8
STD DS8	Standard	14	113	0.59	269	0.113	2	0.92	0.106	0.43	3.1	0.19	2.5	5.2	0.16	5	4.2	5.4
STD DS8	Standard	16	115	0.64	282	0.121	2	1.02	0.113	0.46	3.0	0.24	2.1	5.6	0.16	5	5.3	4.3
STD DS8	Standard	15	107	0.59	287	0.116	3	0.93	0.106	0.42	2.8	0.21	2.3	5.5	0.15	5	4.0	4.9
STD DS8	Standard	12	107	0.57	259	0.098	3	0.89	0.101	0.43	2.7	0.19	2.7	4.8	0.16	4	4.1	4.6
STD DS8	Standard	12	101	0.51	252	0.094	2	0.85	0.091	0.39	2.7	0.19	2.3	4.7	0.15	4	4.7	4.5
STD DS8	Standard	12	96	0.54	257	0.095	2	0.86	0.112	0.40	2.6	0.18	1.9	4.9	0.11	4	4.6	4.5
STD DS8	Standard	14	97	0.54	267	0.103	2	0.85	0.109	0.40	2.6	0.18	2.3	4.9	0.12	4	4.4	4.6
STD DS8	Standard	15	114	0.63	293	0.111	3	0.93	0.089	0.43	3.1	0.22	2.3	5.5	0.14	5	5.6	5.4
STD DS8	Standard	15	115	0.62	290	0.113	3	0.92	0.090	0.43	3.1	0.20	2.3	5.4	0.14	5	5.7	5.1
STD DS8	Standard	16	111	0.60	291	0.110	3	0.92	0.092	0.43	3.1	0.22	2.4	5.2	0.12	5	4.8	5.5
STD DS8	Standard	16	110	0.61	294	0.112	3	0.92	0.094	0.44	3.2	0.22	2.5	5.2	0.13	5	5.0	4.9
STD DS8	Standard	14	115	0.63	272	0.108	2	0.91	0.088	0.43	3.1	0.20	2.1	5.6	0.19	5	5.5	5.2
STD DS8	Standard	13	113	0.63	268	0.106	3	0.91	0.089	0.43	3.0	0.20	2.3	5.5	0.15	5	5.5	5.1
STD DS8	Standard	14	110	0.59	280	0.118	3	0.84	0.085	0.41	2.8	0.19	1.9	5.1	0.14	4	4.5	5.2
STD DS8	Standard	14	113	0.60	275	0.120	2	0.85	0.088	0.40	2.9	0.20	2.1	5.2	0.15	5	4.6	4.7
STD DS8	Standard	15	117	0.60	276	0.130	3	0.89	0.089	0.42	2.9	0.21	2.2	5.6	0.17	5	5.3	5.3
STD DS8	Standard	16	121	0.62	293	0.136	2	0.93	0.088	0.42	3.1	0.22	2.3	5.6	0.16	5	6.0	4.8



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN

Report Date: August 05, 2011

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QUALITY CONTROL REPORT

WHI11000629.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	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
STD DS8	Standard	11.8	95.5	103.4	287	1.7	32.6	6.2	569	2.28	24.5	2.4	115.0	6.1	61	2.0	4.9	6.0	37	0.65	0.074
STD DS8	Standard	11.8	94.4	102.1	289	1.7	32.5	6.6	586	2.32	25.2	2.3	113.0	6.3	62	2.2	4.7	6.0	39	0.68	0.076
STD DS8	Standard	13.0	105.0	123.3	311	1.7	35.9	7.2	600	2.41	25.4	2.8	123.0	7.1	66	2.2	5.4	6.6	42	0.70	0.078
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<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
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:** Taku Gold Corp  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

**Project:** DAN  
**Report Date:** August 05, 2011

**Page:** 3 of 3 **Part** 2

QUALITY CONTROL REPORT

WHI11000629.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	0.2
STD DS8	Standard	15	105	0.59	273	0.101	3	0.87	0.098	0.38	2.8	0.18	2.2	5.2	0.09	4	5.4	4.6
STD DS8	Standard	15	105	0.58	279	0.103	3	0.87	0.095	0.40	3.0	0.17	2.1	5.2	0.10	5	5.0	4.3
STD DS8	Standard	15	117	0.60	272	0.115	2	0.91	0.090	0.42	2.8	0.19	2.4	5.5	0.12	5	4.9	5.2
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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.

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**Client:** Taku Gold Corp  
680 3rd Ave, Suite 203  
Val D'Or QC J9P 1S5 Canada

Submitted By: Lauren Wilson  
Receiving Lab: Canada-Whitehorse  
Received: July 18, 2011  
Report Date: August 05, 2011  
Page: 1 of 12

## CERTIFICATE OF ANALYSIS

WHI11000643.1

### CLIENT JOB INFORMATION

Project: DAN  
Shipment ID: 20110707100437  
P.O. Number  
Number of Samples: 320

### SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
DISP-RJT-SOIL Immediate Disposal of Soil 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: Taku Gold Corp  
680 3rd Ave, Suite 203  
Val D'Or QC J9P 1S5  
Canada

CC: Mark Fekete

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	318	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	318	Dry at 60C			WHI
1DX2	318	1:1:1 Aqua Regia digestion ICP-MS analysis	15	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. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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

www.acmelab.com

Client: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000643.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 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
101194	Soil			1.3	29.2	9.5	69	<0.1	29.8	11.3	343	2.94	6.2	0.8	2.2	3.5	19	0.2	0.4	0.2	60	0.16	0.044
101195	Soil			2.3	50.1	9.7	88	0.3	51.7	12.0	345	3.08	4.3	2.0	2.4	7.0	28	0.2	0.3	0.2	69	0.20	0.044
101196	Soil			1.9	43.9	9.1	73	0.1	34.2	11.1	243	3.04	3.6	2.4	2.2	9.1	20	0.2	0.3	0.2	61	0.25	0.059
101197	Soil			1.7	70.6	3.5	288	0.1	5.6	13.1	1015	6.09	<0.5	1.0	<0.5	3.9	14	0.2	<0.1	0.2	86	0.06	0.038
101198	Soil			0.3	2.2	1.0	72	<0.1	2.6	1.0	166	0.68	<0.5	0.2	<0.5	0.3	2	<0.1	<0.1	<0.1	8	0.03	0.016
101199	Soil			1.3	19.1	7.6	111	<0.1	10.0	5.1	458	3.72	4.6	0.6	<0.5	3.2	9	0.2	0.3	0.2	35	0.07	0.025
101200	Soil			0.8	40.1	6.3	95	<0.1	12.7	6.0	291	2.86	4.8	0.5	1.8	2.2	10	0.1	0.3	0.1	31	0.10	0.034
101201	Soil			0.7	35.9	3.0	74	0.1	3.3	2.5	223	2.92	0.7	0.6	<0.5	1.8	7	<0.1	0.1	0.1	12	0.04	0.029
101202	Soil			1.1	54.6	15.0	90	<0.1	40.1	16.4	192	3.54	0.7	1.5	<0.5	13.9	12	<0.1	0.1	0.3	43	0.10	0.036
101204	Soil			1.0	20.0	10.6	59	<0.1	23.0	10.6	345	3.06	8.1	1.0	2.3	6.0	21	0.1	0.5	0.2	60	0.20	0.038
101205	Soil			0.9	30.5	11.3	75	<0.1	31.8	13.8	492	3.43	6.7	1.1	5.4	10.6	36	0.2	0.5	0.2	62	0.23	0.036
101206	Soil			0.8	82.9	1.8	29	<0.1	8.4	9.0	227	2.04	0.7	0.2	<0.5	1.0	14	<0.1	0.1	<0.1	60	0.27	0.070
101207	Soil			0.7	91.3	3.2	59	<0.1	12.3	14.4	227	3.81	1.3	0.4	<0.5	1.4	6	<0.1	0.2	<0.1	138	0.17	0.056
101208	Soil			0.8	81.9	5.4	59	<0.1	30.0	15.7	550	2.95	4.2	0.5	2.4	2.7	15	<0.1	0.3	<0.1	67	0.21	0.048
101209	Soil			0.7	140.8	2.0	49	<0.1	18.1	15.7	183	2.87	0.8	0.4	0.5	1.7	14	<0.1	0.2	<0.1	83	0.20	0.062
101210	Soil			0.7	155.1	5.7	62	0.1	29.4	11.8	646	2.34	3.6	0.8	6.7	2.9	23	0.2	0.3	0.1	56	0.76	0.079
101211	Soil			0.4	69.4	7.9	60	0.1	32.2	9.9	507	2.27	6.6	0.6	4.4	2.3	27	0.3	0.6	0.2	50	0.93	0.082
101212	Soil			0.5	50.4	8.7	56	0.2	35.6	9.7	529	2.41	7.0	0.9	4.4	1.6	33	0.4	0.8	0.1	49	1.26	0.088
101213	Soil			0.3	36.3	6.8	66	<0.1	175.5	22.5	496	3.66	2.1	0.7	0.6	6.8	21	<0.1	0.1	0.1	79	0.69	0.052
101214	Soil			0.8	27.3	10.3	67	<0.1	31.9	10.6	328	3.21	5.9	0.7	3.3	6.3	18	<0.1	0.4	0.2	61	0.26	0.032
101215	Soil			0.6	25.5	9.7	69	<0.1	51.7	14.8	385	3.28	5.3	0.9	2.0	10.0	16	<0.1	0.4	0.2	56	0.17	0.025
101216	Soil			0.8	28.1	12.8	82	0.1	48.8	15.3	440	4.12	8.1	0.9	0.5	10.0	17	<0.1	0.4	0.2	77	0.18	0.041
101217	Soil			0.7	22.4	12.2	68	<0.1	32.7	11.9	375	3.79	5.0	0.8	<0.5	7.8	16	<0.1	0.3	0.3	67	0.18	0.030
101218	Soil			0.6	58.4	3.8	71	<0.1	178.3	24.5	416	3.84	1.6	0.4	1.0	3.2	21	<0.1	0.2	<0.1	106	0.31	0.045
101219	Soil			1.7	77.4	5.4	127	0.4	114.6	17.1	299	4.13	5.5	0.6	<0.5	2.4	26	0.2	0.4	0.2	154	0.14	0.034
103458	Soil			1.2	24.9	7.5	74	0.2	27.6	12.2	450	3.00	1.9	1.0	<0.5	8.9	46	0.1	0.2	0.1	45	0.06	0.037
103459	Soil			0.7	17.9	7.9	63	<0.1	17.1	10.8	379	3.08	6.6	0.5	1.1	2.2	13	0.1	0.4	0.1	48	0.14	0.040
103460	Soil			0.6	22.3	5.2	73	<0.1	9.5	9.7	320	3.40	3.7	0.4	<0.5	1.7	7	<0.1	0.3	<0.1	41	0.08	0.031
103461	Soil			0.6	30.7	7.0	60	0.1	14.9	8.4	304	2.85	6.1	1.0	1.9	3.1	13	0.1	0.4	0.1	49	0.16	0.049
103462	Soil			1.6	33.3	9.3	70	0.1	24.8	10.9	303	3.29	6.0	1.5	1.9	5.6	26	<0.1	0.3	0.1	58	0.24	0.052





1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Taku Gold Corp**  
680 3rd Ave, Suite 203  
Val D'Or QC J9P 1S5 Canada

Project: DAN  
Report Date: August 05, 2011

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# CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
101194	Soil	15	32	0.60	154	0.107	2	1.65	0.010	0.20	0.2	0.05	3.3	0.2	<0.05	6	0.5	<0.2
101195	Soil	34	50	0.75	204	0.125	2	1.98	0.011	0.31	0.1	0.03	3.9	0.2	0.06	6	0.9	<0.2
101196	Soil	43	43	0.83	224	0.134	1	2.10	0.011	0.39	0.1	0.03	5.7	0.3	<0.05	6	<0.5	<0.2
101197	Soil	18	12	1.82	349	0.351	1	3.08	0.022	1.98	0.1	<0.01	13.8	0.8	0.22	11	0.5	<0.2
101198	Soil	7	2	0.18	26	0.027	<1	0.27	0.003	0.09	<0.1	0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
101199	Soil	12	17	0.75	100	0.154	1	1.70	0.008	0.48	<0.1	0.03	3.4	0.2	<0.05	7	<0.5	<0.2
101200	Soil	9	17	0.58	120	0.105	2	1.55	0.009	0.34	0.1	0.04	3.1	0.2	0.07	5	<0.5	<0.2
101201	Soil	12	5	0.66	240	0.124	1	1.29	0.012	0.69	<0.1	0.01	3.6	0.1	0.30	5	<0.5	<0.2
101202	Soil	49	35	0.93	133	0.190	1	2.50	0.012	0.96	<0.1	0.02	3.6	0.5	<0.05	7	<0.5	<0.2
101204	Soil	17	35	0.58	181	0.104	1	1.98	0.010	0.16	0.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
101205	Soil	20	44	0.78	231	0.183	2	2.66	0.016	0.35	0.1	0.03	5.1	0.3	<0.05	7	0.8	<0.2
101206	Soil	4	14	0.52	144	0.084	<1	1.30	0.014	0.16	<0.1	0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
101207	Soil	6	21	1.07	255	0.291	<1	2.13	0.010	0.58	0.1	<0.01	6.8	0.1	<0.05	8	<0.5	<0.2
101208	Soil	9	29	0.94	305	0.149	<1	2.13	0.014	0.21	0.1	0.03	4.1	0.1	<0.05	6	<0.5	<0.2
101209	Soil	9	20	0.88	201	0.199	<1	1.63	0.011	0.42	<0.1	0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
101210	Soil	15	32	0.78	467	0.107	2	1.59	0.016	0.10	0.1	0.04	5.5	0.1	<0.05	5	<0.5	<0.2
101211	Soil	15	40	0.71	443	0.071	1	1.52	0.022	0.05	0.1	0.06	4.4	<0.1	<0.05	5	0.6	<0.2
101212	Soil	15	43	0.51	444	0.059	2	1.47	0.020	0.06	0.1	0.09	3.7	<0.1	0.05	4	0.6	<0.2
101213	Soil	16	341	2.32	252	0.267	1	2.83	0.017	0.33	<0.1	0.01	4.2	0.4	<0.05	9	<0.5	<0.2
101214	Soil	19	50	0.74	184	0.185	1	2.07	0.011	0.26	0.1	0.02	3.7	0.2	<0.05	7	<0.5	<0.2
101215	Soil	25	85	0.90	197	0.194	<1	2.28	0.012	0.34	0.1	0.02	3.9	0.4	<0.05	6	<0.5	<0.2
101216	Soil	25	70	0.93	205	0.252	2	2.64	0.012	0.53	0.1	0.02	4.7	0.4	<0.05	9	<0.5	<0.2
101217	Soil	21	47	0.74	185	0.219	<1	2.41	0.010	0.39	0.1	0.02	3.8	0.4	<0.05	9	<0.5	<0.2
101218	Soil	13	461	2.28	310	0.188	<1	2.79	0.012	0.41	<0.1	<0.01	7.0	0.3	<0.05	8	<0.5	<0.2
101219	Soil	9	240	1.17	265	0.145	<1	2.66	0.005	0.07	<0.1	0.01	4.5	0.1	<0.05	7	0.9	0.2
103458	Soil	31	28	0.77	179	0.082	<1	1.66	0.012	0.30	<0.1	<0.01	2.6	0.2	0.20	4	<0.5	<0.2
103459	Soil	9	22	0.71	175	0.129	1	1.81	0.011	0.33	0.1	0.03	3.2	0.2	<0.05	5	<0.5	<0.2
103460	Soil	7	13	1.12	231	0.206	1	2.25	0.009	0.74	<0.1	0.03	3.5	0.3	<0.05	7	0.5	<0.2
103461	Soil	17	23	0.65	144	0.109	<1	1.87	0.009	0.16	0.1	0.03	4.4	0.2	<0.05	6	<0.5	<0.2
103462	Soil	30	28	0.71	252	0.128	1	2.28	0.010	0.25	<0.1	0.03	5.8	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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	%	%	
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	
103463	Soil	1.0	16.9	7.8	57	<0.1	11.9	10.4	361	3.47	5.7	0.6	0.6	2.3	17	0.1	0.4	0.1	63	0.24	0.078
103464	Soil	0.4	20.0	6.0	78	<0.1	47.5	10.3	260	3.18	2.3	0.5	1.0	3.4	11	<0.1	0.2	<0.1	42	0.17	0.045
103465	Soil	1.0	33.5	7.5	90	0.1	12.6	11.4	559	4.43	2.4	0.6	1.3	2.2	8	0.2	0.2	<0.1	59	0.15	0.076
103466	Soil	0.7	15.5	5.7	57	<0.1	11.8	6.3	257	2.26	3.6	0.6	1.0	4.1	11	0.2	0.4	0.1	32	0.13	0.026
103467	Soil	0.9	15.3	8.2	68	<0.1	15.8	9.1	366	3.26	6.6	0.5	1.4	3.4	11	0.2	0.5	0.1	60	0.12	0.031
103468	Soil	1.4	22.3	13.9	82	0.3	15.5	10.2	514	3.73	8.7	1.1	2.2	3.8	14	0.4	0.4	0.3	57	0.15	0.049
103469	Soil	1.0	21.3	8.3	66	<0.1	12.4	7.0	329	3.19	6.4	0.7	1.5	2.9	9	0.1	0.3	0.2	53	0.10	0.025
103470	Soil	0.7	16.8	5.6	63	0.1	10.6	6.2	277	2.51	4.4	0.7	1.0	2.7	10	0.1	0.2	0.1	37	0.16	0.033
103471	Soil	0.8	20.8	6.7	65	0.1	12.8	7.0	318	2.67	5.6	0.8	3.6	2.8	11	0.2	0.3	0.1	41	0.15	0.039
103472	Soil	1.2	27.5	7.7	68	0.2	12.3	7.0	313	2.80	5.8	1.2	1.6	1.6	11	0.1	0.3	0.2	45	0.14	0.048
103473	Soil	1.2	31.6	7.9	71	0.1	13.6	9.0	447	2.89	6.8	0.8	2.2	2.9	10	0.1	0.3	0.2	48	0.14	0.033
103474	Soil	0.9	24.2	7.5	62	0.2	13.0	6.1	268	2.63	6.2	0.9	1.9	1.9	11	0.1	0.3	0.2	45	0.13	0.038
103475	Soil	1.1	25.1	8.2	62	0.1	14.0	9.3	501	2.69	6.6	0.9	1.7	2.4	11	0.2	0.3	0.2	50	0.12	0.033
103476	Soil	0.9	16.0	5.8	76	<0.1	7.9	6.0	357	2.77	3.5	0.7	1.0	3.8	7	0.1	0.2	<0.1	31	0.10	0.033
103478	Soil	1.7	32.0	4.1	71	<0.1	1.3	2.8	478	2.77	0.6	0.9	0.8	4.1	4	0.1	<0.1	0.2	6	0.07	0.020
103479	Soil	1.5	20.3	12.2	65	0.2	13.4	8.8	403	3.00	6.7	1.1	2.4	4.9	14	0.1	0.4	0.1	49	0.14	0.030
103480	Soil	2.5	27.5	8.0	207	<0.1	9.9	11.5	353	3.51	3.5	1.1	1.3	4.3	22	<0.1	0.2	0.2	70	0.31	0.051
103481	Soil	2.3	18.7	47.0	142	<0.1	1.6	3.2	362	2.53	1.8	0.8	1.5	5.8	7	0.2	<0.1	0.2	18	0.16	0.030
103482	Soil	1.4	16.0	8.8	84	<0.1	8.8	6.1	403	2.66	4.6	1.1	1.9	4.9	11	<0.1	0.3	0.1	30	0.16	0.031
103483	Soil	1.3	24.4	5.0	80	<0.1	10.4	6.9	438	3.00	3.4	0.8	<0.5	3.3	11	<0.1	0.2	0.1	32	0.15	0.026
103484	Soil	1.1	15.8	7.4	58	<0.1	15.3	9.4	387	2.85	6.1	0.8	1.5	3.8	10	0.2	0.3	0.1	48	0.12	0.041
103485	Soil	1.0	24.4	8.6	61	<0.1	19.8	12.1	409	3.06	8.0	0.8	2.2	4.7	13	<0.1	0.4	0.2	53	0.17	0.024
103486	Soil	1.7	54.0	9.5	139	<0.1	23.4	31.5	1296	3.65	5.8	2.0	2.5	5.2	17	0.3	0.3	0.2	61	0.20	0.041
103487	Soil	1.2	17.3	9.0	59	<0.1	19.5	9.4	259	3.42	9.5	0.5	2.7	3.1	12	0.1	0.4	0.2	63	0.12	0.026
103488	Soil	0.6	41.9	3.0	56	<0.1	8.9	17.0	564	3.61	1.3	0.5	<0.5	3.8	8	<0.1	<0.1	<0.1	79	0.41	0.123
103489	Soil	0.9	58.6	2.3	64	<0.1	11.7	26.4	564	3.70	1.5	1.2	<0.5	8.4	12	<0.1	0.1	0.1	66	0.42	0.091
103490	Soil	1.1	39.6	5.2	136	<0.1	54.4	30.2	438	7.38	1.0	1.7	<0.5	16.3	10	<0.1	<0.1	0.3	136	0.18	0.048
103491	Soil	1.8	79.2	2.5	91	<0.1	94.1	20.8	419	4.44	2.8	0.6	<0.5	6.2	16	<0.1	<0.1	<0.1	198	0.36	0.135
103492	Soil	1.6	48.6	7.3	74	0.2	98.0	15.0	381	3.36	6.1	1.2	2.3	4.9	18	<0.1	0.3	0.1	93	0.21	0.036
103493	Soil	0.6	28.5	2.8	24	<0.1	122.7	11.6	99	1.73	3.4	0.5	<0.5	2.1	16	<0.1	0.1	<0.1	41	0.18	0.029

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
103463	Soil	11	25	0.85	223	0.127	<1	2.24	0.012	0.39	0.1	0.03	4.2	0.2	<0.05	7	<0.5	<0.2
103464	Soil	12	94	1.04	139	0.134	<1	2.29	0.007	0.39	<0.1	0.02	4.0	0.3	<0.05	7	<0.5	<0.2
103465	Soil	8	18	1.38	365	0.259	<1	2.64	0.023	1.26	<0.1	0.02	8.4	0.3	<0.05	9	<0.5	<0.2
103466	Soil	17	16	0.63	99	0.095	<1	1.50	0.008	0.24	<0.1	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
103467	Soil	12	23	0.83	178	0.172	2	2.22	0.010	0.38	0.1	0.03	5.5	0.2	<0.05	7	<0.5	<0.2
103468	Soil	34	28	0.67	199	0.089	1	2.53	0.007	0.17	0.1	0.06	4.6	0.1	<0.05	9	<0.5	<0.2
103469	Soil	14	21	0.68	142	0.130	1	1.80	0.006	0.22	<0.1	0.02	4.1	0.1	<0.05	8	<0.5	<0.2
103470	Soil	14	17	0.72	143	0.115	<1	1.51	0.007	0.35	0.1	0.02	3.8	0.1	<0.05	6	<0.5	<0.2
103471	Soil	13	21	0.68	147	0.103	<1	1.57	0.008	0.27	0.1	0.02	4.0	0.1	<0.05	6	<0.5	<0.2
103472	Soil	16	21	0.65	183	0.089	1	1.68	0.011	0.25	<0.1	0.04	3.9	0.1	<0.05	6	<0.5	<0.2
103473	Soil	14	22	0.63	150	0.100	1	1.61	0.006	0.21	0.1	0.03	3.5	0.1	<0.05	6	<0.5	<0.2
103474	Soil	15	21	0.56	139	0.082	<1	1.54	0.007	0.15	0.1	0.04	3.0	0.1	<0.05	6	<0.5	<0.2
103475	Soil	16	22	0.56	142	0.086	1	1.59	0.006	0.13	0.1	0.02	3.4	<0.1	<0.05	6	0.6	<0.2
103476	Soil	17	13	1.05	130	0.116	<1	1.86	0.006	0.57	<0.1	0.01	3.0	0.2	<0.05	7	<0.5	<0.2
103478	Soil	20	3	1.11	300	0.119	<1	1.67	0.014	0.81	<0.1	<0.01	5.3	0.2	<0.05	7	<0.5	<0.2
103479	Soil	17	25	0.56	275	0.094	1	1.89	0.009	0.15	0.1	0.04	5.6	<0.1	<0.05	6	<0.5	<0.2
103480	Soil	20	18	1.10	452	0.096	<1	2.22	0.011	0.27	<0.1	0.01	8.3	0.1	<0.05	7	0.5	<0.2
103481	Soil	12	3	0.69	116	0.050	1	1.29	0.004	0.40	<0.1	<0.01	3.4	0.1	<0.05	4	<0.5	<0.2
103482	Soil	33	16	0.58	182	0.101	<1	1.79	0.006	0.30	<0.1	0.01	4.7	0.2	<0.05	6	<0.5	<0.2
103483	Soil	14	15	0.87	294	0.121	<1	1.68	0.009	0.47	<0.1	0.02	5.6	0.2	<0.05	6	<0.5	<0.2
103484	Soil	11	31	0.75	209	0.105	1	2.02	0.008	0.17	0.1	0.03	4.3	0.1	<0.05	6	<0.5	<0.2
103485	Soil	12	30	0.81	219	0.117	<1	2.39	0.009	0.16	0.1	0.03	5.0	0.2	<0.05	6	<0.5	<0.2
103486	Soil	32	22	1.19	351	0.163	<1	2.82	0.011	0.67	<0.1	0.03	9.7	0.3	<0.05	8	0.6	<0.2
103487	Soil	10	29	0.63	181	0.096	<1	2.16	0.007	0.08	0.1	0.02	3.8	<0.1	<0.05	7	<0.5	<0.2
103488	Soil	8	33	1.31	257	0.240	<1	2.44	0.017	0.73	<0.1	<0.01	4.5	0.4	<0.05	7	<0.5	<0.2
103489	Soil	41	32	0.94	214	0.145	<1	1.57	0.016	0.53	<0.1	<0.01	4.9	0.2	<0.05	6	0.7	<0.2
103490	Soil	27	118	1.76	263	0.256	<1	3.96	0.009	1.46	<0.1	0.01	16.4	0.9	<0.05	14	<0.5	<0.2
103491	Soil	11	199	2.04	1090	0.249	<1	3.45	0.015	0.55	<0.1	<0.01	10.4	0.2	<0.05	11	0.8	<0.2
103492	Soil	24	114	1.24	750	0.138	1	2.60	0.010	0.32	<0.1	0.02	5.8	0.2	<0.05	8	<0.5	<0.2
103493	Soil	4	96	0.76	194	0.083	<1	1.53	0.008	0.04	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	
103494	Soil	1.0	48.7	4.3	28	<0.1	68.6	17.2	478	2.87	4.4	0.5	1.1	1.7	102	<0.1	0.2	<0.1	56	0.59	0.039
103495	Soil	1.3	37.5	13.2	127	<0.1	13.7	16.5	1215	4.79	1.5	1.3	1.7	3.5	24	0.2	0.1	0.2	84	0.39	0.042
103496	Soil	1.4	37.3	5.6	57	0.1	4.4	3.7	345	3.55	2.2	0.8	<0.5	8.2	20	<0.1	<0.1	0.7	28	0.04	0.048
103497	Soil	0.8	30.5	8.0	68	<0.1	22.4	13.2	409	3.24	9.6	0.9	2.3	5.1	19	<0.1	0.5	0.1	66	0.24	0.048
103498	Soil	0.5	14.5	3.8	88	<0.1	7.8	19.5	712	6.00	3.3	0.5	0.6	2.2	11	<0.1	0.1	<0.1	121	0.19	0.034
103499	Soil	0.7	22.3	6.4	58	<0.1	17.3	12.6	390	3.44	6.5	0.6	0.7	3.7	15	<0.1	0.4	0.1	77	0.21	0.027
103500	Soil	0.7	22.2	6.1	57	<0.1	17.5	11.4	355	3.12	6.6	0.7	3.4	3.9	20	<0.1	0.3	0.1	69	0.34	0.066
103501	Soil	1.4	33.0	6.3	64	<0.1	15.5	14.1	373	3.52	5.8	2.5	3.2	5.4	16	<0.1	0.3	<0.1	77	0.28	0.066
103502	Soil	0.8	20.7	5.0	62	<0.1	11.3	13.6	402	3.64	4.3	0.9	3.1	3.1	15	<0.1	0.2	<0.1	91	0.43	0.063
103503	Soil	0.6	34.8	2.2	79	<0.1	7.3	19.3	903	5.07	1.9	0.7	<0.5	3.4	11	<0.1	0.1	<0.1	143	0.33	0.068
103504	Soil	1.0	20.8	4.9	60	<0.1	15.2	14.0	465	3.58	5.9	0.8	1.4	3.9	21	<0.1	0.3	0.1	92	0.33	0.068
103505	Soil	1.1	13.2	4.5	86	<0.1	7.8	5.3	440	3.31	4.5	0.4	0.9	2.6	8	<0.1	0.3	0.1	33	0.08	0.020
103506	Soil	0.9	12.2	2.5	73	<0.1	3.2	7.4	348	3.69	1.9	0.7	<0.5	3.5	7	<0.1	0.2	<0.1	30	0.07	0.028
103507	Soil	0.7	19.7	2.6	114	<0.1	6.4	16.1	267	5.22	2.6	0.7	<0.5	1.3	17	<0.1	0.2	<0.1	77	0.68	0.251
103508	Soil	0.8	29.7	1.6	109	<0.1	3.9	17.9	642	5.41	1.7	0.8	<0.5	2.1	13	<0.1	<0.1	<0.1	49	0.77	0.314
103509	Soil	0.8	18.2	2.9	109	<0.1	5.6	13.9	497	5.38	3.2	0.6	<0.5	1.5	8	0.2	0.1	<0.1	64	0.37	0.171
103510	Soil	1.5	12.2	3.9	98	<0.1	4.2	3.4	384	3.14	3.0	1.1	<0.5	5.1	8	<0.1	0.1	<0.1	18	0.10	0.021
103511	Soil	1.7	14.6	5.5	78	<0.1	9.8	8.3	367	3.09	5.4	0.6	1.2	3.0	10	<0.1	0.3	0.1	45	0.10	0.022
103512	Soil	2.8	235.3	32.7	121	1.2	1.6	2.0	306	7.27	6.4	0.5	7.8	2.1	15	<0.1	<0.1	2.5	6	0.07	0.026
103513	Soil	1.5	47.6	15.3	99	0.3	7.2	5.7	290	3.48	6.9	0.5	5.6	2.3	8	<0.1	0.3	0.4	40	0.05	0.028
103514	Soil	0.8	24.4	7.4	72	<0.1	10.6	6.8	313	2.89	4.9	0.6	2.2	4.2	17	0.1	0.3	0.2	42	0.21	0.035
103515	Soil	0.6	23.0	7.6	52	<0.1	18.7	8.6	236	2.56	7.4	0.7	2.3	4.1	24	<0.1	0.4	0.2	51	0.26	0.029
103516	Soil	0.5	15.2	4.6	64	<0.1	10.7	6.7	314	2.45	4.4	0.6	17.9	4.2	16	<0.1	0.3	<0.1	37	0.22	0.043
103517	Soil	0.5	19.9	3.3	65	<0.1	11.1	6.1	369	2.52	4.1	0.6	1.2	3.8	18	0.1	0.3	<0.1	42	0.27	0.047
103518	Soil	0.7	21.4	6.1	52	<0.1	14.2	7.6	310	2.41	6.6	0.8	1.4	3.7	24	0.1	0.4	0.1	49	0.35	0.059
104437	Soil	0.9	20.0	5.0	88	<0.1	10.2	5.9	362	3.08	4.8	0.6	1.1	2.6	8	0.1	0.2	0.2	30	0.07	0.021
104438	Soil	1.1	39.6	2.6	61	<0.1	23.5	16.8	400	3.89	1.3	0.6	1.3	2.5	11	0.1	<0.1	0.1	116	0.23	0.074
104439	Soil	1.1	22.5	8.3	64	0.2	19.5	10.2	530	3.16	9.1	1.1	2.8	3.7	13	0.2	0.5	0.2	57	0.14	0.035
104440	Soil	1.3	22.1	11.4	61	0.2	14.0	7.1	321	3.04	6.9	0.8	1.0	3.1	12	0.2	0.4	0.2	56	0.12	0.030
104441	Soil	1.2	21.8	10.9	63	0.2	14.6	7.2	340	3.01	6.7	0.8	<0.5	3.2	12	0.2	0.4	0.2	54	0.13	0.029

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
103494	Soil	9	54	0.47	273	0.030	8	1.64	0.033	0.03	<0.1	0.14	7.1	<0.1	<0.05	4	<0.5	<0.2
103495	Soil	30	37	1.73	688	0.192	<1	3.74	0.013	1.21	<0.1	0.02	14.6	0.4	<0.05	12	0.7	<0.2
103496	Soil	17	6	0.57	320	0.165	<1	1.84	0.025	0.70	<0.1	0.01	6.6	0.3	0.35	8	0.5	<0.2
103497	Soil	17	31	0.81	277	0.137	<1	2.02	0.012	0.18	0.1	0.02	6.8	0.2	<0.05	6	0.6	<0.2
103498	Soil	8	14	2.51	454	0.404	<1	3.82	0.015	1.74	0.2	<0.01	18.8	0.5	<0.05	13	<0.5	<0.2
103499	Soil	13	26	1.09	183	0.160	<1	2.00	0.010	0.31	0.1	0.01	6.9	0.2	<0.05	7	<0.5	<0.2
103500	Soil	16	23	1.04	244	0.144	1	1.82	0.014	0.33	0.1	0.01	6.3	0.2	<0.05	6	<0.5	<0.2
103501	Soil	23	23	1.21	268	0.182	<1	2.08	0.015	0.48	0.1	0.01	7.4	0.2	<0.05	7	<0.5	<0.2
103502	Soil	15	18	1.54	312	0.193	<1	2.17	0.013	0.49	0.1	0.01	9.1	0.2	<0.05	8	<0.5	<0.2
103503	Soil	30	17	2.46	547	0.295	<1	3.12	0.020	1.59	0.1	<0.01	18.6	0.5	<0.05	10	<0.5	<0.2
103504	Soil	13	23	1.66	330	0.148	2	2.12	0.018	0.46	0.1	0.02	8.4	0.2	<0.05	7	<0.5	<0.2
103505	Soil	10	13	1.02	141	0.170	1	2.11	0.007	0.63	<0.1	0.01	4.3	0.4	<0.05	7	0.5	<0.2
103506	Soil	20	7	0.76	234	0.174	1	1.85	0.006	0.62	<0.1	0.01	7.6	0.4	<0.05	6	<0.5	<0.2
103507	Soil	6	11	2.64	729	0.195	<1	3.49	0.029	0.99	<0.1	<0.01	10.9	0.4	<0.05	14	<0.5	<0.2
103508	Soil	14	8	2.35	562	0.139	1	2.90	0.020	0.98	<0.1	<0.01	16.3	0.3	<0.05	13	0.5	<0.2
103509	Soil	6	11	2.71	557	0.251	1	3.76	0.017	1.06	<0.1	<0.01	17.6	0.3	<0.05	15	0.5	<0.2
103510	Soil	23	7	1.44	284	0.144	2	2.25	0.012	0.74	<0.1	0.01	4.2	0.4	<0.05	8	<0.5	<0.2
103511	Soil	11	18	1.00	199	0.164	<1	2.07	0.008	0.42	<0.1	<0.01	6.0	0.3	<0.05	7	<0.5	<0.2
103512	Soil	14	2	1.30	157	0.125	<1	2.21	0.072	1.60	<0.1	0.01	4.4	0.7	1.52	9	2.7	<0.2
103513	Soil	9	16	0.90	270	0.139	<1	2.04	0.008	0.41	<0.1	0.01	3.9	0.3	<0.05	7	0.6	<0.2
103514	Soil	16	17	1.20	227	0.138	1	1.98	0.011	0.53	0.1	0.01	3.7	0.2	<0.05	6	<0.5	<0.2
103515	Soil	16	29	0.59	454	0.098	1	1.52	0.012	0.10	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
103516	Soil	12	16	0.65	171	0.122	1	1.39	0.009	0.29	0.2	<0.01	3.2	0.2	<0.05	5	<0.5	<0.2
103517	Soil	13	14	0.73	290	0.138	<1	1.30	0.011	0.40	0.1	<0.01	5.3	0.2	<0.05	5	0.5	<0.2
103518	Soil	15	21	0.61	264	0.104	<1	1.35	0.016	0.14	0.2	0.02	4.4	<0.1	<0.05	5	0.5	<0.2
104437	Soil	10	17	0.70	123	0.145	2	1.68	0.007	0.46	<0.1	0.02	4.5	0.3	<0.05	6	<0.5	<0.2
104438	Soil	15	124	2.05	272	0.199	<1	2.09	0.015	0.87	<0.1	0.02	10.9	0.2	<0.05	8	<0.5	<0.2
104439	Soil	16	28	0.69	155	0.118	1	2.06	0.009	0.15	0.1	0.03	4.5	0.1	<0.05	6	<0.5	<0.2
104440	Soil	13	23	0.68	144	0.132	<1	1.80	0.009	0.24	0.1	0.02	4.1	0.1	<0.05	7	<0.5	<0.2
104441	Soil	13	23	0.70	135	0.138	<1	1.74	0.009	0.26	0.1	0.02	4.0	0.1	<0.05	7	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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		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	
104442	Soil	0.7	29.9	5.6	104	<0.1	5.5	4.7	469	3.16	2.5	0.9	<0.5	5.6	5	<0.1	0.1	0.4	20	0.06	0.016
104443	Soil	0.9	67.1	11.0	137	<0.1	31.2	8.6	551	3.41	0.8	1.6	<0.5	7.4	19	<0.1	<0.1	1.4	40	0.13	0.057
104444	Soil	3.1	88.3	5.8	94	0.2	1.1	2.4	422	4.98	0.9	1.4	<0.5	9.1	22	0.2	<0.1	0.9	20	0.05	0.088
104445	Soil	1.9	29.4	20.2	102	<0.1	5.3	4.6	451	2.27	3.4	0.9	<0.5	3.8	19	<0.1	0.2	0.3	25	0.05	0.034
104446	Soil	2.0	19.0	20.3	177	0.4	4.3	5.4	573	2.51	0.9	1.0	<0.5	5.3	6	0.1	<0.1	<0.1	18	0.08	0.040
104447	Soil	0.5	32.7	6.4	185	0.2	29.3	24.0	763	4.46	0.8	1.0	1.1	3.4	12	0.2	<0.1	<0.1	132	0.19	0.025
104448	Soil	1.5	30.1	3.9	199	<0.1	10.0	9.5	753	3.89	1.2	0.8	0.9	2.8	4	0.1	<0.1	0.3	33	0.04	0.038
104449	Soil	1.3	45.8	3.8	52	<0.1	5.6	6.4	299	3.61	3.3	0.5	0.5	1.7	7	0.1	0.1	0.2	27	0.06	0.022
104450	Soil	0.8	20.5	4.7	48	<0.1	10.0	6.7	249	3.15	4.5	0.4	<0.5	1.9	7	0.1	0.3	0.1	39	0.06	0.030
104451	Soil	1.4	14.1	2.7	80	<0.1	3.5	8.5	407	3.42	0.9	0.6	<0.5	2.3	7	<0.1	<0.1	<0.1	46	0.07	0.036
104452	Soil	1.0	16.8	2.6	161	<0.1	5.9	9.3	592	3.31	1.5	0.4	<0.5	1.5	4	0.1	<0.1	<0.1	24	0.04	0.025
104453	Soil	1.1	17.4	6.1	76	<0.1	14.6	8.5	369	3.36	7.2	0.5	<0.5	2.6	9	0.2	0.3	0.1	46	0.09	0.034
104454	Soil	0.7	11.7	3.4	71	<0.1	10.5	14.5	410	3.65	1.6	0.4	<0.5	2.1	10	<0.1	<0.1	<0.1	92	0.12	0.025
104455	Soil	0.1	15.7	2.3	35	<0.1	12.7	11.8	304	2.63	1.2	0.4	<0.5	2.5	79	<0.1	<0.1	<0.1	80	0.85	0.122
104456	Soil	0.4	20.8	3.9	31	<0.1	35.7	16.7	248	4.28	1.1	1.6	<0.5	21.9	13	<0.1	<0.1	<0.1	54	0.22	0.047
104457	Soil	0.8	34.7	10.7	70	0.1	32.0	10.6	337	3.02	7.7	1.4	5.2	5.3	35	0.2	0.4	0.3	55	0.34	0.058
104458	Soil	0.6	63.1	6.8	76	<0.1	81.4	11.5	363	2.69	4.3	1.1	13.5	4.3	48	<0.1	0.2	0.2	73	0.28	0.058
104459	Soil	0.6	45.2	8.1	56	<0.1	28.3	10.1	318	2.74	8.1	0.7	9.6	2.2	31	<0.1	0.5	0.2	62	0.21	0.051
104460	Soil	0.8	171.0	2.1	88	<0.1	17.2	19.1	161	4.04	2.3	0.4	<0.5	2.0	24	<0.1	0.1	0.1	151	0.27	0.070
104461	Soil	0.6	165.8	0.9	53	<0.1	12.4	15.2	211	2.86	0.6	0.4	<0.5	1.5	10	0.1	<0.1	<0.1	96	0.28	0.099
104462	Soil	0.8	157.4	3.4	86	<0.1	20.4	20.0	265	4.44	3.6	0.6	<0.5	2.6	15	0.1	0.2	<0.1	161	0.30	0.077
104463	Soil	0.8	64.0	6.7	55	0.1	17.6	12.3	304	2.61	5.1	0.6	4.9	1.2	25	0.1	0.3	0.1	68	0.34	0.064
104464	Soil	0.8	36.0	8.8	63	0.1	23.9	9.4	342	2.76	5.2	1.0	3.8	3.4	56	<0.1	0.3	0.2	52	0.32	0.051
104465	Soil	0.6	28.3	10.4	65	<0.1	32.1	10.6	400	3.18	4.9	1.3	1.2	9.1	32	<0.1	0.2	0.2	56	0.26	0.027
104466	Soil	0.5	21.7	10.6	61	<0.1	25.6	10.8	324	3.23	5.5	0.8	1.2	6.8	12	<0.1	0.2	0.2	47	0.15	0.030
104467	Soil	0.7	22.9	11.0	64	<0.1	28.7	11.0	362	3.47	7.2	0.9	2.2	7.3	14	<0.1	0.4	0.2	55	0.16	0.038
104468	Soil	0.6	20.1	9.2	61	<0.1	22.0	10.7	413	2.89	5.8	0.7	1.3	4.6	12	0.1	0.3	0.2	51	0.16	0.050
104469	Soil	0.6	17.7	9.0	61	<0.1	23.3	10.1	346	2.75	5.9	0.7	3.0	4.0	14	0.1	0.3	0.2	50	0.18	0.051
104470	Soil	0.7	17.9	9.9	59	<0.1	35.0	8.5	269	2.69	5.9	0.7	1.4	2.4	16	0.2	0.3	0.2	58	0.18	0.040
104471	Soil	0.7	14.9	8.2	57	<0.1	24.6	7.4	192	2.29	4.3	0.8	1.1	2.8	28	0.2	0.2	0.1	45	0.37	0.049

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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: **Taku Gold Corp**  
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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
104442	Soil	18	8	1.00	168	0.180	<1	2.04	0.008	0.78	<0.1	<0.01	5.4	0.3	<0.05	7	<0.5	<0.2
104443	Soil	43	123	1.49	557	0.151	<1	2.67	0.010	0.80	<0.1	<0.01	5.0	0.3	0.06	6	1.1	0.3
104444	Soil	27	1	1.34	367	0.195	<1	2.25	0.032	1.30	<0.1	<0.01	3.8	0.4	0.66	6	1.8	0.5
104445	Soil	16	7	0.72	116	0.098	<1	1.51	0.005	0.39	<0.1	0.01	3.7	0.2	0.08	4	0.6	<0.2
104446	Soil	14	8	1.25	94	0.145	<1	2.22	0.007	0.82	<0.1	<0.01	3.0	0.5	<0.05	6	<0.5	<0.2
104447	Soil	21	331	3.42	233	0.166	<1	3.21	0.009	0.50	<0.1	0.01	12.3	0.3	0.61	9	<0.5	<0.2
104448	Soil	11	35	1.35	344	0.181	<1	2.22	0.013	1.02	<0.1	<0.01	5.9	0.3	<0.05	7	<0.5	<0.2
104449	Soil	5	14	0.97	496	0.102	<1	1.79	0.011	0.44	<0.1	<0.01	8.2	0.1	<0.05	6	0.9	0.2
104450	Soil	6	16	0.77	307	0.116	<1	1.77	0.008	0.36	0.1	0.01	6.3	0.1	<0.05	6	<0.5	<0.2
104451	Soil	9	10	1.39	641	0.194	<1	2.26	0.033	0.90	<0.1	<0.01	10.6	0.1	<0.05	8	<0.5	<0.2
104452	Soil	5	16	0.84	274	0.171	<1	1.89	0.007	0.79	<0.1	<0.01	6.4	0.2	<0.05	7	<0.5	<0.2
104453	Soil	8	21	0.81	249	0.154	<1	2.09	0.009	0.42	0.1	0.02	5.2	0.1	<0.05	6	<0.5	<0.2
104454	Soil	9	58	2.00	202	0.118	<1	2.28	0.007	0.35	<0.1	<0.01	9.2	<0.1	<0.05	9	<0.5	<0.2
104455	Soil	10	28	1.08	383	0.100	1	2.68	0.054	0.20	<0.1	<0.01	5.6	<0.1	<0.05	7	<0.5	<0.2
104456	Soil	37	47	0.83	271	0.158	<1	1.89	0.013	0.80	<0.1	<0.01	8.3	0.4	<0.05	9	<0.5	<0.2
104457	Soil	32	39	0.70	375	0.095	2	2.12	0.010	0.21	0.1	0.03	4.4	0.2	<0.05	7	<0.5	<0.2
104458	Soil	17	131	1.24	1292	0.130	<1	2.03	0.012	0.33	0.2	0.01	4.6	0.3	<0.05	7	<0.5	<0.2
104459	Soil	12	29	0.63	565	0.077	1	1.95	0.009	0.11	0.1	0.03	3.5	0.1	<0.05	6	0.6	<0.2
104460	Soil	9	24	1.45	327	0.210	1	2.39	0.014	0.52	<0.1	0.01	5.6	0.1	<0.05	10	<0.5	<0.2
104461	Soil	6	15	0.95	238	0.186	<1	1.67	0.013	0.62	<0.1	<0.01	3.1	0.1	<0.05	6	<0.5	<0.2
104462	Soil	10	28	1.42	312	0.267	<1	2.59	0.011	0.60	<0.1	0.01	6.6	0.1	<0.05	11	<0.5	<0.2
104463	Soil	11	26	0.63	234	0.075	<1	1.74	0.013	0.09	<0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
104464	Soil	17	29	0.68	259	0.090	<1	1.99	0.014	0.25	0.1	0.02	3.6	0.2	<0.05	5	<0.5	<0.2
104465	Soil	38	53	0.83	203	0.152	<1	2.23	0.010	0.39	<0.1	0.02	5.1	0.3	<0.05	7	<0.5	<0.2
104466	Soil	22	35	0.70	160	0.161	<1	2.10	0.007	0.48	0.1	0.01	3.2	0.4	<0.05	6	<0.5	<0.2
104467	Soil	22	44	0.71	174	0.143	<1	2.33	0.008	0.39	0.1	0.02	4.2	0.3	<0.05	7	<0.5	<0.2
104468	Soil	15	33	0.59	152	0.134	<1	1.81	0.007	0.32	0.1	0.02	3.2	0.2	<0.05	6	<0.5	<0.2
104469	Soil	15	37	0.59	183	0.116	<1	1.72	0.007	0.21	0.2	0.02	3.2	0.2	<0.05	6	<0.5	<0.2
104470	Soil	14	71	0.72	191	0.112	2	1.81	0.007	0.18	0.1	0.03	2.8	0.2	<0.05	7	<0.5	<0.2
104471	Soil	15	43	0.56	217	0.100	<1	1.63	0.011	0.15	0.1	0.03	2.8	0.2	<0.05	6	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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CERTIFICATE OF ANALYSIS

WHI11000643.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 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
104472	Soil			0.5	15.2	9.0	58	<0.1	23.8	8.5	224	2.38	4.1	0.7	1.1	4.0	16	<0.1	0.2	0.2	47	0.17	0.043
104474	Soil			0.9	17.8	9.6	75	0.1	23.0	12.9	670	2.60	3.1	1.0	1.0	5.9	26	0.2	0.1	0.2	46	0.42	0.051
104475	Soil			1.3	100.1	8.2	305	0.1	89.3	7.8	363	2.58	3.0	2.1	9.8	3.7	10	1.1	0.4	0.2	68	0.23	0.063
104476	Soil			2.5	91.2	7.7	332	0.2	88.7	19.4	391	2.79	2.1	1.7	7.7	3.5	15	0.4	0.2	0.2	113	0.15	0.074
104477	Soil			1.2	51.9	7.7	76	0.1	34.5	12.1	603	3.01	6.0	0.8	2.1	3.5	24	0.2	0.4	0.2	66	0.24	0.026
104478	Soil			1.7	77.9	6.3	127	0.3	50.0	12.3	339	3.17	4.4	1.3	47.8	3.2	25	0.2	0.4	0.1	72	0.12	0.033
104479	Soil			1.2	38.7	4.2	103	0.2	14.4	4.5	156	3.04	0.9	0.7	2.6	1.1	13	0.1	0.1	0.2	59	0.07	0.034
117574	Soil			1.3	25.7	8.0	69	<0.1	19.3	8.7	324	2.74	5.0	1.2	<0.5	4.2	12	<0.1	0.3	0.2	44	0.11	0.037
117575	Soil			1.2	26.4	6.1	79	0.1	14.1	8.6	444	3.32	4.0	1.1	1.2	3.9	12	0.1	0.2	0.3	49	0.17	0.034
117576	Soil			0.6	24.6	3.5	83	0.1	9.5	6.2	330	3.03	2.7	0.6	0.6	2.9	9	<0.1	0.1	0.2	31	0.13	0.029
117577	Soil			0.9	16.9	5.2	75	<0.1	8.9	5.3	276	2.69	4.9	0.7	1.3	2.7	8	<0.1	0.2	0.2	26	0.07	0.027
117578	Soil			0.7	21.8	5.2	85	0.1	7.3	5.1	244	3.07	3.6	0.8	<0.5	2.1	7	0.1	0.2	0.1	27	0.08	0.033
117579	Soil			1.4	21.9	6.8	97	<0.1	9.0	5.8	342	3.65	4.7	0.5	1.2	2.3	7	0.2	0.2	0.1	37	0.07	0.029
117580	Soil			0.6	21.5	5.6	67	0.1	13.6	5.7	206	2.38	4.8	0.6	1.0	2.4	13	0.1	0.3	0.1	37	0.17	0.037
117581	Soil			1.0	19.0	7.4	71	0.2	19.7	7.8	265	2.55	3.6	1.0	0.7	4.6	13	0.1	0.2	0.2	41	0.17	0.045
117582	Soil			0.8	22.6	9.0	77	<0.1	29.9	10.2	350	2.66	4.2	1.2	0.7	5.1	17	0.2	0.2	0.2	48	0.22	0.035
117583	Soil			1.0	18.1	7.5	65	0.2	20.3	7.4	312	2.43	4.9	1.0	2.3	3.3	14	0.2	0.3	0.2	46	0.15	0.045
117584	Soil			1.1	19.6	10.1	67	0.2	21.2	7.0	222	2.34	5.4	1.3	1.4	2.0	13	0.2	0.2	0.2	53	0.15	0.054
117585	Soil			1.1	18.9	7.8	74	0.1	25.4	7.8	329	2.62	6.0	1.3	<0.5	5.1	12	0.1	0.1	0.2	46	0.14	0.048
117586	Soil			0.4	31.1	5.2	59	<0.1	9.9	21.5	586	4.41	16.2	1.7	<0.5	10.7	270	<0.1	0.1	<0.1	106	0.53	0.060
117587	Soil			0.5	38.6	6.6	96	<0.1	35.4	15.5	335	4.23	22.8	1.2	2.2	14.1	113	<0.1	0.1	<0.1	44	0.90	0.052
117588	Soil			0.5	64.0	25.0	77	<0.1	52.4	21.3	483	4.49	20.9	2.2	2.5	23.4	47	<0.1	0.2	0.1	38	0.63	0.094
117589	Soil			0.4	32.5	5.5	96	<0.1	41.9	16.9	371	4.80	7.3	1.2	1.1	12.4	20	<0.1	0.2	0.1	68	0.12	0.018
117590	Soil			0.5	27.9	6.4	82	<0.1	39.7	16.3	349	4.35	8.2	1.0	1.5	9.7	21	<0.1	0.2	0.1	63	0.11	0.017
117591	Soil			2.0	44.0	18.4	75	0.2	40.3	19.1	474	4.56	28.7	1.2	1.6	9.5	41	<0.1	0.5	0.1	56	0.47	0.054
117592	Soil			0.3	38.0	8.2	85	<0.1	30.5	15.6	543	4.18	30.3	1.0	1.5	13.7	214	<0.1	0.2	<0.1	66	0.95	0.067
117593	Soil			0.9	38.4	6.3	89	<0.1	39.3	16.5	476	4.99	12.5	1.4	0.8	18.3	10	<0.1	0.2	0.1	83	0.17	0.051
117594	Soil			0.5	34.9	4.2	81	<0.1	33.3	15.0	392	4.40	8.8	1.3	0.9	13.9	37	<0.1	0.1	<0.1	75	0.32	0.043
117595	Soil			0.3	63.6	3.3	47	<0.1	37.3	17.1	728	5.40	6.7	2.3	1.1	30.2	129	<0.1	<0.1	<0.1	108	0.38	0.040
117596	Soil			1.7	59.7	5.9	79	<0.1	45.3	12.5	341	4.17	1.8	1.6	1.0	10.2	87	<0.1	<0.1	<0.1	133	0.38	0.104



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:** Taku Gold Corp  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

**Project:** DAN  
**Report Date:** August 05, 2011

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# CERTIFICATE OF ANALYSIS

WHI11000643.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
104472	Soil	13	41	0.57	177	0.122	<1	1.61	0.009	0.21	0.2	0.02	2.8	0.2	<0.05	6	<0.5	<0.2
104474	Soil	23	34	0.57	207	0.135	1	1.55	0.012	0.32	0.1	0.03	3.4	0.3	<0.05	7	<0.5	<0.2
104475	Soil	16	45	0.50	309	0.078	<1	1.18	0.004	0.19	<0.1	0.05	4.9	0.2	<0.05	4	0.9	<0.2
104476	Soil	14	49	0.81	236	0.111	<1	1.64	0.007	0.46	<0.1	<0.01	3.7	0.4	<0.05	6	1.5	<0.2
104477	Soil	14	48	0.90	320	0.147	1	1.78	0.010	0.36	0.1	0.03	5.6	0.2	<0.05	6	<0.5	<0.2
104478	Soil	19	62	0.96	294	0.137	<1	2.04	0.013	0.24	<0.1	0.02	5.8	0.3	0.10	6	1.7	<0.2
104479	Soil	4	42	1.12	436	0.197	<1	2.01	0.026	0.97	<0.1	<0.01	3.2	0.6	0.16	6	1.3	<0.2
117574	Soil	19	25	0.62	114	0.104	1	1.68	0.009	0.25	0.1	0.03	3.2	0.2	<0.05	6	<0.5	<0.2
117575	Soil	22	39	1.13	205	0.131	<1	1.91	0.009	0.56	0.1	0.02	5.7	0.2	<0.05	7	<0.5	<0.2
117576	Soil	11	23	1.01	180	0.140	<1	1.70	0.011	0.69	<0.1	0.02	4.9	0.2	<0.05	6	<0.5	<0.2
117577	Soil	12	14	0.55	113	0.099	<1	1.54	0.007	0.38	0.1	0.02	2.9	0.2	<0.05	5	<0.5	<0.2
117578	Soil	11	13	0.58	107	0.126	<1	1.53	0.006	0.41	<0.1	0.03	4.1	0.2	<0.05	6	0.5	<0.2
117579	Soil	8	13	0.73	144	0.165	<1	1.84	0.007	0.47	0.1	0.02	4.9	0.3	<0.05	7	<0.5	<0.2
117580	Soil	10	31	0.80	152	0.105	<1	1.42	0.010	0.37	0.1	0.02	3.5	0.2	<0.05	5	<0.5	<0.2
117581	Soil	18	38	0.77	159	0.114	1	1.61	0.010	0.35	0.1	0.03	3.6	0.2	<0.05	6	<0.5	<0.2
117582	Soil	22	48	0.83	188	0.119	<1	1.84	0.011	0.29	0.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
117583	Soil	16	30	0.61	150	0.098	1	1.52	0.009	0.24	0.1	0.04	3.1	0.2	<0.05	6	<0.5	<0.2
117584	Soil	20	30	0.56	160	0.079	1	1.60	0.009	0.17	0.1	0.04	2.7	0.2	<0.05	6	<0.5	<0.2
117585	Soil	19	30	0.64	188	0.136	<1	1.77	0.008	0.40	0.1	0.02	3.5	0.3	<0.05	6	<0.5	<0.2
117586	Soil	14	20	1.32	335	0.188	<1	4.31	0.082	1.02	<0.1	0.02	5.6	0.5	<0.05	10	<0.5	<0.2
117587	Soil	33	40	0.52	248	0.042	3	2.44	0.068	0.18	<0.1	0.02	7.4	0.3	<0.05	6	<0.5	<0.2
117588	Soil	41	42	0.48	94	0.030	1	1.34	0.006	0.02	<0.1	0.02	11.4	<0.1	<0.05	5	<0.5	<0.2
117589	Soil	14	72	1.00	189	0.253	<1	3.49	0.012	0.88	0.1	0.01	8.1	0.9	<0.05	13	<0.5	<0.2
117590	Soil	11	61	0.89	196	0.195	<1	3.33	0.011	0.66	<0.1	0.01	6.8	0.6	<0.05	11	<0.5	<0.2
117591	Soil	21	43	0.48	173	0.050	1	1.71	0.008	0.05	0.2	0.02	7.0	0.1	<0.05	6	<0.5	<0.2
117592	Soil	25	61	1.03	314	0.110	2	2.78	0.080	0.72	<0.1	0.02	8.2	0.6	<0.05	11	<0.5	<0.2
117593	Soil	34	82	1.46	202	0.292	<1	3.24	0.007	1.34	0.2	<0.01	9.4	0.7	<0.05	14	<0.5	<0.2
117594	Soil	40	69	1.19	166	0.208	<1	2.84	0.014	0.79	0.1	<0.01	8.6	0.7	<0.05	11	0.6	<0.2
117595	Soil	50	104	1.55	334	0.383	<1	3.61	0.028	1.89	0.3	0.02	13.9	0.8	<0.05	16	0.5	<0.2
117596	Soil	41	102	1.19	718	0.228	<1	2.74	0.019	0.61	0.2	<0.01	9.0	0.4	0.07	11	1.3	<0.2

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

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Client: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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 Report Date: August 05, 2011

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	2	0.01	0.001	
117597	Soil		0.6	29.1	7.1	67	<0.1	27.3	12.9	246	4.34	5.4	2.1	1.4	14.9	8	<0.1	0.2	0.2	57	0.09	0.033
117598	Soil		0.6	24.6	6.1	66	<0.1	26.1	11.2	432	3.77	6.2	1.2	1.6	9.2	14	<0.1	0.4	0.1	78	0.15	0.030
117599	Soil		0.4	53.4	6.7	59	<0.1	30.7	12.6	177	3.87	4.1	1.4	0.9	11.3	12	<0.1	0.2	0.1	57	0.13	0.029
117600	Soil		1.0	41.9	6.1	45	0.2	30.9	11.8	332	2.87	7.3	1.2	7.9	8.2	63	0.1	0.3	<0.1	47	0.81	0.057
117601	Soil		0.7	19.7	8.8	67	<0.1	20.1	11.8	329	3.71	8.0	0.5	1.4	5.8	25	0.2	0.3	0.1	65	0.18	0.034
117602	Soil		0.2	13.3	2.1	47	<0.1	4.8	13.5	216	2.93	1.7	0.7	<0.5	4.3	44	<0.1	<0.1	<0.1	75	0.45	0.065
117603	Soil		0.3	17.8	3.3	73	<0.1	9.0	17.3	660	4.88	2.7	0.5	1.6	2.6	29	<0.1	0.1	<0.1	123	0.32	0.060
117604	Soil		0.5	36.8	8.1	85	<0.1	34.4	10.8	245	3.81	8.2	0.6	<0.5	10.5	29	<0.1	0.2	<0.1	33	0.37	0.031
117605	Soil		0.4	40.7	16.7	90	<0.1	36.5	18.6	539	4.62	15.0	1.6	1.5	15.9	24	<0.1	0.3	0.1	68	0.27	0.035
117606	Soil		0.8	18.5	9.0	53	<0.1	21.9	10.1	200	3.06	5.9	0.8	0.6	7.0	12	<0.1	0.3	0.1	58	0.12	0.021
117607	Soil		0.4	39.6	5.1	97	<0.1	27.6	13.7	297	4.70	8.3	1.5	<0.5	14.4	31	<0.1	0.1	<0.1	69	0.18	0.025
117608	Soil		0.9	15.7	8.6	73	<0.1	23.2	11.8	340	3.87	7.4	0.8	1.4	6.3	12	<0.1	0.4	0.2	73	0.12	0.028
117609	Soil		0.4	38.6	1.9	93	<0.1	19.9	19.5	634	5.74	0.7	1.6	<0.5	15.3	24	<0.1	<0.1	<0.1	120	0.40	0.107
117610	Soil		0.3	31.1	5.0	103	<0.1	35.2	15.3	479	4.78	1.0	1.8	<0.5	24.0	16	<0.1	0.1	0.1	75	0.20	0.031
117611	Soil		0.3	25.9	2.6	70	<0.1	27.8	15.7	441	4.66	1.3	0.6	<0.5	10.3	9	<0.1	<0.1	0.1	103	0.17	0.038
117612	Soil		0.5	31.1	8.2	95	<0.1	35.5	15.5	593	5.44	3.1	1.7	<0.5	16.0	14	<0.1	<0.1	0.2	75	0.10	0.029
117613	Soil		0.7	36.4	7.1	69	<0.1	32.3	15.2	630	5.49	3.0	0.9	0.7	9.8	12	<0.1	0.1	0.2	97	0.13	0.039
117614	Soil		0.4	22.3	5.0	94	<0.1	38.2	15.4	555	4.75	3.6	1.4	0.8	16.6	10	<0.1	0.1	0.1	57	0.15	0.061
117615	Soil		0.5	21.8	7.2	80	<0.1	31.7	15.1	600	4.68	6.2	1.1	0.8	11.6	11	<0.1	0.1	0.3	73	0.10	0.027
117616	Soil		0.5	23.1	3.5	60	<0.1	18.8	10.7	573	3.72	3.2	1.7	<0.5	12.3	10	<0.1	0.1	0.1	61	0.18	0.048
117617	Soil		0.3	11.9	2.8	52	<0.1	50.7	14.1	258	2.69	2.0	0.5	0.8	4.3	12	<0.1	0.1	0.1	71	0.23	0.038
115571	Soil		0.4	9.4	5.3	31	<0.1	3.1	4.3	246	1.76	1.9	0.7	<0.5	1.1	9	0.1	<0.1	0.1	23	0.17	0.037
115572	Soil		0.8	10.7	5.9	57	<0.1	7.8	6.3	246	3.35	5.6	0.3	<0.5	1.0	5	<0.1	0.3	0.1	49	0.05	0.033
115573	Soil		<0.1	14.9	1.6	45	<0.1	1.4	4.4	226	1.80	<0.5	0.2	<0.5	0.7	2	<0.1	<0.1	<0.1	13	0.04	0.024
115574	Soil		0.6	12.2	5.4	50	<0.1	9.3	5.3	183	2.30	4.8	0.3	6.6	1.2	8	<0.1	0.3	0.1	49	0.09	0.022
115575	Soil		0.7	23.0	5.5	72	0.2	11.5	14.6	412	4.40	3.5	0.7	3.6	3.8	15	<0.1	0.2	0.1	71	0.30	0.056
115576	Soil		2.1	21.4	7.4	73	0.4	11.9	24.3	801	4.45	4.5	1.0	1.7	2.7	14	0.1	0.2	0.1	87	0.29	0.086
115577	Soil		0.7	13.1	7.3	60	<0.1	12.4	6.2	196	2.49	5.8	0.6	0.9	3.1	11	0.2	0.4	0.2	41	0.15	0.039
115578	Soil		0.8	7.9	3.8	59	<0.1	2.9	4.5	400	2.66	1.1	0.6	1.0	1.7	7	<0.1	0.1	<0.1	25	0.09	0.032
115579	Soil		1.0	13.2	7.0	64	<0.1	12.0	7.8	361	3.18	6.8	0.5	2.5	3.2	10	0.1	0.4	0.1	50	0.12	0.030

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
117597	Soil	37	52	1.12	173	0.155	<1	2.97	0.007	0.55	<0.1	0.01	5.0	0.4	<0.05	10	0.7	<0.2
117598	Soil	17	67	1.28	236	0.235	<1	2.47	0.010	0.69	0.1	<0.01	5.8	0.2	<0.05	9	<0.5	<0.2
117599	Soil	24	48	1.08	194	0.161	<1	2.47	0.009	0.81	<0.1	<0.01	4.8	0.3	<0.05	9	<0.5	<0.2
117600	Soil	35	39	0.73	190	0.087	<1	1.60	0.015	0.18	0.2	0.04	5.0	<0.1	<0.05	6	0.6	<0.2
117601	Soil	9	49	0.91	271	0.167	<1	2.90	0.011	0.52	0.1	0.02	6.3	0.3	<0.05	10	<0.5	<0.2
117602	Soil	6	7	1.10	328	0.198	<1	3.31	0.061	0.78	<0.1	<0.01	2.9	0.2	<0.05	6	<0.5	<0.2
117603	Soil	11	10	1.57	522	0.253	<1	3.88	0.035	1.45	<0.1	<0.01	5.0	0.5	<0.05	11	<0.5	<0.2
117604	Soil	11	39	0.55	121	0.055	<1	1.55	0.006	0.13	0.1	<0.01	6.5	<0.1	<0.05	4	<0.5	<0.2
117605	Soil	36	63	0.98	211	0.262	<1	2.36	0.009	0.94	3.7	0.02	9.8	0.8	<0.05	11	0.7	<0.2
117606	Soil	20	32	0.62	184	0.129	<1	1.98	0.007	0.37	0.1	0.01	3.5	0.3	<0.05	7	<0.5	<0.2
117607	Soil	17	68	1.10	172	0.201	<1	2.80	0.008	0.91	0.3	<0.01	7.8	0.8	<0.05	13	<0.5	<0.2
117608	Soil	10	47	0.80	205	0.165	<1	2.78	0.008	0.45	0.2	0.01	5.8	0.4	<0.05	11	<0.5	<0.2
117609	Soil	46	35	1.71	166	0.334	<1	3.50	0.019	1.98	0.2	<0.01	13.8	1.4	<0.05	15	<0.5	<0.2
117610	Soil	106	77	1.36	132	0.252	<1	2.82	0.015	1.40	0.2	<0.01	8.2	0.9	<0.05	14	<0.5	<0.2
117611	Soil	9	152	1.47	142	0.281	<1	2.36	0.007	1.04	0.1	<0.01	8.7	0.8	<0.05	12	<0.5	<0.2
117612	Soil	15	72	1.46	306	0.354	<1	3.46	0.009	1.93	<0.1	<0.01	7.8	0.8	<0.05	14	<0.5	<0.2
117613	Soil	16	65	1.65	291	0.394	<1	3.85	0.011	1.70	0.2	<0.01	12.0	0.9	<0.05	15	<0.5	<0.2
117614	Soil	19	50	1.25	184	0.289	<1	3.05	0.007	1.43	0.1	<0.01	4.4	0.8	<0.05	11	<0.5	<0.2
117615	Soil	15	59	1.32	247	0.337	<1	3.23	0.010	1.58	<0.1	<0.01	8.5	0.7	<0.05	13	<0.5	<0.2
117616	Soil	65	39	1.28	212	0.266	<1	2.23	0.009	1.18	0.1	<0.01	8.9	0.5	<0.05	10	<0.5	<0.2
117617	Soil	22	186	1.53	213	0.219	<1	2.04	0.008	0.83	0.1	<0.01	3.6	0.4	<0.05	8	<0.5	<0.2
115571	Soil	4	7	0.66	254	0.044	<1	1.98	0.005	0.44	<0.1	0.01	3.1	0.2	<0.05	4	<0.5	<0.2
115572	Soil	4	16	0.72	132	0.139	<1	1.68	0.006	0.45	0.1	0.04	3.9	0.2	<0.05	7	<0.5	<0.2
115573	Soil	3	2	0.49	258	0.143	<1	1.07	0.005	0.68	<0.1	<0.01	3.9	0.2	<0.05	4	<0.5	<0.2
115574	Soil	8	16	0.53	89	0.122	<1	1.23	0.006	0.16	0.1	0.02	3.1	0.2	<0.05	6	<0.5	<0.2
115575	Soil	16	22	1.28	479	0.192	<1	2.62	0.012	0.76	0.1	0.03	9.4	0.4	<0.05	9	<0.5	<0.2
115576	Soil	14	22	1.64	460	0.152	<1	2.63	0.015	0.68	<0.1	0.02	9.3	0.3	<0.05	9	<0.5	<0.2
115577	Soil	15	21	0.45	114	0.066	<1	1.63	0.007	0.13	0.1	0.04	3.0	<0.1	<0.05	5	<0.5	<0.2
115578	Soil	8	6	1.19	175	0.151	<1	1.89	0.009	0.77	<0.1	0.03	3.5	0.2	<0.05	8	<0.5	<0.2
115579	Soil	10	18	0.75	103	0.139	<1	1.90	0.008	0.30	0.1	0.03	3.7	0.1	<0.05	7	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
115580	Soil	1.5	16.0	6.4	89	<0.1	9.8	6.6	528	3.14	5.2	0.5	1.0	2.6	9	<0.1	0.3	0.1	42	0.10	0.025
115581	Soil	1.2	19.7	2.7	90	0.1	2.2	3.6	270	3.26	1.0	0.3	<0.5	3.4	5	<0.1	0.1	<0.1	22	0.05	0.027
115582	Soil	1.4	33.1	5.0	102	0.2	9.8	7.4	568	3.75	3.1	0.6	1.3	3.9	14	0.1	0.3	0.2	43	0.17	0.056
115583	Soil	1.0	17.9	7.7	64	0.1	14.9	7.4	323	2.78	6.8	0.7	2.9	3.4	13	<0.1	0.4	0.2	46	0.17	0.042
115584	Soil	0.9	18.8	6.3	79	<0.1	11.9	10.7	628	3.49	4.1	0.6	2.1	3.2	14	<0.1	0.2	<0.1	63	0.17	0.030
115585	Soil	1.3	13.9	9.0	63	0.2	15.2	8.3	282	3.27	8.2	0.5	1.6	2.7	14	0.1	0.4	0.2	67	0.15	0.026
115586	Soil	1.2	24.6	9.4	76	<0.1	19.8	10.9	457	3.57	7.6	0.6	2.9	4.0	15	0.1	0.5	0.2	65	0.15	0.025
115587	Soil	1.3	32.4	8.6	67	<0.1	24.0	13.4	439	3.82	7.4	0.9	2.2	6.5	12	<0.1	0.5	0.2	68	0.12	0.034
115588	Soil	0.7	22.1	6.0	56	<0.1	18.9	11.6	314	2.82	6.8	0.8	2.8	5.2	14	0.1	0.4	0.1	62	0.20	0.022
115589	Soil	0.4	26.0	5.9	59	<0.1	36.8	18.9	279	3.78	2.2	1.0	<0.5	7.9	27	<0.1	0.1	<0.1	92	0.32	0.049
115590	Soil	0.9	28.4	7.9	58	0.1	49.2	12.4	373	2.85	5.6	0.7	1.6	4.0	19	<0.1	0.3	0.2	69	0.25	0.048
115591	Soil	1.0	32.8	7.3	47	0.1	39.1	11.4	257	2.92	5.8	0.7	1.1	3.3	53	<0.1	0.3	<0.1	76	0.41	0.039
115592	Soil	0.5	17.8	4.2	27	<0.1	33.2	14.3	142	3.71	2.1	1.1	<0.5	16.5	12	<0.1	<0.1	0.2	51	0.20	0.068
115593	Soil	0.2	26.4	3.2	121	<0.1	50.1	23.5	747	6.25	0.9	1.5	0.5	20.7	105	<0.1	<0.1	<0.1	104	0.39	0.021
115594	Soil	0.6	31.0	6.0	129	<0.1	46.4	22.5	488	6.06	4.1	2.4	0.7	17.0	15	0.2	0.2	0.1	97	0.20	0.045
115595	Soil	1.0	22.1	14.2	68	<0.1	25.7	13.5	390	3.75	10.9	0.8	0.8	8.2	12	0.1	0.5	0.2	66	0.12	0.036
115596	Soil	0.6	20.3	5.6	79	<0.1	26.4	17.0	595	4.03	5.1	1.5	1.3	10.8	30	<0.1	0.3	0.1	92	0.40	0.072
115597	Soil	0.4	30.8	3.6	101	<0.1	8.9	26.3	1077	6.37	1.7	0.6	<0.5	5.4	20	<0.1	0.1	<0.1	136	0.27	0.065
115598	Soil	0.8	17.4	7.4	45	<0.1	18.8	11.9	371	2.89	6.9	0.7	1.2	5.4	17	<0.1	0.4	0.1	55	0.21	0.053
115599	Soil	0.8	19.0	6.0	85	<0.1	16.4	18.8	825	4.51	4.8	0.7	<0.5	8.0	19	<0.1	0.3	<0.1	85	0.24	0.045
115600	Soil	1.3	19.3	8.7	69	<0.1	21.7	13.2	473	3.76	5.1	1.0	1.2	7.9	18	<0.1	0.3	0.2	73	0.21	0.041
115601	Soil	0.8	21.7	10.5	58	<0.1	20.3	9.8	338	3.26	7.2	1.6	0.5	7.3	17	0.1	0.3	0.2	60	0.18	0.037
115602	Soil	0.8	21.4	9.0	69	<0.1	25.5	13.1	476	3.65	3.2	1.2	<0.5	13.3	12	0.1	0.3	0.2	54	0.16	0.043
119638	Soil	0.6	18.0	5.1	77	<0.1	11.5	7.6	335	2.85	3.9	0.7	1.7	3.4	8	0.1	0.2	0.1	40	0.12	0.033
119639	Soil	0.8	21.3	5.9	65	<0.1	10.4	7.2	352	3.18	5.2	0.6	1.4	2.4	9	0.1	0.3	0.1	46	0.11	0.036
119640	Soil	0.9	22.7	5.7	69	<0.1	11.4	8.1	376	2.98	4.8	0.7	0.8	2.7	9	0.1	0.3	0.1	45	0.11	0.033
119641	Soil	1.2	21.7	8.3	32	0.1	8.7	4.2	140	2.08	3.6	0.8	<0.5	0.2	11	0.5	0.3	0.2	45	0.09	0.043
119642	Soil	0.9	19.3	7.3	68	0.1	12.6	8.2	318	3.16	6.2	0.7	2.1	3.2	12	0.2	0.4	0.1	55	0.15	0.035
119643	Soil	1.0	16.7	6.3	71	0.2	11.5	8.5	331	2.97	24.6	0.7	0.8	3.1	16	0.1	0.6	<0.1	52	0.20	0.039
119644	Soil	0.9	25.2	7.4	70	0.1	14.4	9.6	389	3.11	12.8	1.2	2.4	3.4	18	<0.1	0.4	0.1	56	0.21	0.041

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Acme Analytical Laboratories (Vancouver) Ltd.  
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 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Taku Gold Corp**  
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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
115580	Soil	9	16	0.83	118	0.138	<1	2.00	0.008	0.43	0.2	0.03	4.8	0.2	<0.05	8	<0.5	<0.2
115581	Soil	9	5	0.97	114	0.170	<1	1.72	0.007	0.72	0.1	0.02	5.0	0.3	0.06	8	<0.5	<0.2
115582	Soil	23	27	1.12	173	0.169	<1	2.04	0.011	0.76	0.1	<0.01	5.9	0.3	0.09	8	<0.5	<0.2
115583	Soil	14	22	0.73	129	0.095	<1	1.80	0.009	0.21	0.2	0.03	4.0	0.1	<0.05	6	0.5	<0.2
115584	Soil	10	43	1.47	150	0.176	<1	2.50	0.012	0.57	0.1	0.02	6.6	0.2	<0.05	8	<0.5	<0.2
115585	Soil	9	30	0.75	178	0.108	<1	2.05	0.008	0.10	0.2	0.02	3.7	0.1	<0.05	8	<0.5	<0.2
115586	Soil	12	37	0.87	226	0.132	2	2.13	0.010	0.22	0.2	0.03	4.7	0.1	<0.05	8	<0.5	<0.2
115587	Soil	15	41	1.06	255	0.123	2	2.59	0.009	0.29	0.1	0.03	5.8	0.2	<0.05	8	<0.5	<0.2
115588	Soil	16	29	0.78	185	0.110	<1	2.11	0.015	0.17	<0.1	0.02	4.2	0.1	<0.05	6	<0.5	<0.2
115589	Soil	19	76	1.39	400	0.194	<1	3.61	0.023	0.81	0.1	0.02	8.0	0.3	<0.05	11	<0.5	<0.2
115590	Soil	12	67	0.84	388	0.110	<1	1.88	0.011	0.13	<0.1	0.02	3.6	0.1	<0.05	7	<0.5	<0.2
115591	Soil	14	57	0.88	330	0.094	<1	2.13	0.016	0.17	<0.1	0.01	4.3	<0.1	<0.05	7	0.6	<0.2
115592	Soil	31	45	1.14	164	0.150	<1	2.80	0.007	0.84	<0.1	<0.01	4.7	0.3	<0.05	10	<0.5	<0.2
115593	Soil	71	101	1.60	241	0.463	<1	3.67	0.012	1.43	0.2	0.01	14.2	1.6	<0.05	19	<0.5	<0.2
115594	Soil	26	89	1.59	181	0.244	<1	4.34	0.014	1.26	0.2	0.02	11.1	0.9	<0.05	20	0.6	<0.2
115595	Soil	12	41	0.73	201	0.142	<1	2.74	0.009	0.33	0.1	0.04	4.1	0.3	<0.05	8	<0.5	<0.2
115596	Soil	80	82	1.42	293	0.185	<1	2.83	0.017	0.68	<0.1	0.01	10.0	0.5	<0.05	10	<0.5	<0.2
115597	Soil	28	14	2.27	750	0.320	<1	3.88	0.010	1.34	<0.1	<0.01	4.4	0.4	<0.05	11	0.5	<0.2
115598	Soil	14	26	0.50	164	0.044	<1	1.84	0.008	0.07	0.1	0.03	4.2	0.1	<0.05	5	<0.5	<0.2
115599	Soil	13	24	1.31	235	0.206	<1	2.85	0.009	0.83	0.1	0.02	3.3	0.3	<0.05	8	<0.5	<0.2
115600	Soil	24	39	0.92	192	0.178	<1	2.23	0.008	0.61	0.1	0.02	4.0	0.4	<0.05	9	<0.5	<0.2
115601	Soil	42	41	0.64	165	0.127	<1	2.04	0.008	0.34	0.1	0.03	3.9	0.3	<0.05	8	<0.5	<0.2
115602	Soil	31	42	0.74	173	0.156	<1	2.27	0.007	0.61	<0.1	0.03	5.2	0.3	<0.05	9	<0.5	<0.2
119638	Soil	15	17	0.80	173	0.154	<1	1.78	0.007	0.54	<0.1	0.03	5.1	0.2	<0.05	6	<0.5	<0.2
119639	Soil	11	16	0.67	190	0.156	<1	1.71	0.007	0.45	<0.1	0.02	4.5	0.2	<0.05	7	<0.5	<0.2
119640	Soil	12	16	0.72	162	0.154	<1	1.79	0.007	0.50	<0.1	0.02	4.5	0.2	<0.05	7	<0.5	<0.2
119641	Soil	12	15	0.26	175	0.044	<1	1.10	0.009	0.09	<0.1	0.05	1.7	0.1	<0.05	5	<0.5	<0.2
119642	Soil	13	20	0.69	182	0.130	<1	1.80	0.007	0.30	0.1	0.02	4.8	0.2	<0.05	7	<0.5	<0.2
119643	Soil	14	18	0.88	175	0.130	<1	1.87	0.008	0.37	0.1	0.02	5.3	0.2	<0.05	7	<0.5	<0.2
119644	Soil	17	23	0.85	180	0.121	<1	2.08	0.009	0.26	0.1	0.03	5.8	0.2	<0.05	7	<0.5	<0.2

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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: **Taku Gold Corp**  
680 3rd Ave, Suite 203  
Val D'Or QC J9P 1S5 Canada

Project: DAN  
Report Date: August 05, 2011

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
119645	Soil	1.1	22.9	7.3	65	0.2	12.0	7.8	306	3.02	9.6	1.0	3.5	2.4	17	0.1	0.3	0.2	50	0.13	0.036
119646	Soil	1.0	26.2	7.7	67	0.2	16.9	8.0	256	2.74	7.4	1.0	1.4	2.9	17	<0.1	0.4	0.1	49	0.17	0.041
119647	Soil	1.0	27.8	8.1	69	0.1	18.6	8.9	394	3.01	8.6	1.0	2.8	2.9	18	<0.1	0.4	0.2	55	0.17	0.041
119648	Soil	1.1	29.7	7.6	70	0.2	30.0	9.3	314	2.78	5.6	0.7	<0.5	2.9	17	<0.1	0.3	0.2	52	0.17	0.042
119649	Soil	1.2	27.3	8.6	73	<0.1	26.6	11.6	408	3.16	8.7	0.9	1.8	3.8	16	<0.1	0.4	0.2	58	0.15	0.035
119650	Soil	1.1	25.0	8.9	67	0.1	23.0	9.1	255	3.05	8.6	0.9	3.1	3.6	14	<0.1	0.4	0.2	58	0.14	0.035
119651	Soil	1.3	23.1	9.6	67	0.2	21.5	9.7	369	3.07	8.6	0.8	2.9	3.0	14	0.1	0.3	0.2	62	0.14	0.034
119652	Soil	1.2	25.6	7.8	66	0.2	27.2	8.3	271	2.75	6.4	0.7	0.6	2.8	15	<0.1	0.3	0.1	56	0.17	0.028
119653	Soil	1.8	22.7	9.2	59	0.2	24.7	8.5	307	2.87	7.9	0.8	1.5	3.1	15	<0.1	0.4	0.2	64	0.15	0.025
119654	Soil	1.0	18.4	8.3	61	<0.1	21.5	8.5	337	3.21	8.0	0.6	1.0	4.1	14	0.1	0.4	0.2	67	0.15	0.035
119655	Soil	0.8	21.9	4.6	104	<0.1	14.1	16.1	495	4.93	2.6	0.7	1.1	3.5	9	0.1	0.1	0.1	61	0.14	0.060
119656	Soil	1.0	16.2	2.5	57	<0.1	7.5	3.3	194	2.05	0.9	0.7	0.7	1.9	7	<0.1	<0.1	<0.1	21	0.06	0.032
119657	Soil	0.9	9.5	5.1	69	<0.1	10.5	5.8	299	2.31	4.0	0.5	0.5	3.2	9	<0.1	0.2	0.1	45	0.09	0.017
119658	Soil	0.9	18.0	8.8	62	<0.1	18.9	8.4	281	3.28	10.0	0.6	1.1	3.8	12	<0.1	0.5	0.2	51	0.11	0.026
119659	Soil	1.2	15.4	9.2	60	<0.1	17.2	8.7	297	3.05	9.2	0.6	2.3	3.5	11	<0.1	0.5	0.2	52	0.10	0.037
119660	Soil	0.5	10.8	3.6	92	<0.1	2.1	4.1	534	3.60	1.2	0.8	0.7	4.2	3	<0.1	<0.1	<0.1	9	0.03	0.028
119661	Soil	0.9	19.8	3.1	102	<0.1	5.9	5.9	488	2.97	1.2	0.5	0.8	2.0	4	<0.1	0.1	<0.1	8	0.03	0.020
119662	Soil	1.2	18.3	5.7	87	<0.1	20.1	12.1	527	4.36	4.5	0.4	2.8	2.2	8	0.1	0.2	<0.1	76	0.09	0.026
119663	Soil	3.3	20.2	3.1	57	<0.1	3.2	4.7	377	3.20	3.4	0.3	<0.5	0.9	3	<0.1	0.1	<0.1	23	0.02	0.025
119664	Soil	1.0	21.0	8.1	57	0.1	17.4	8.4	366	2.84	7.5	0.6	4.6	3.5	11	<0.1	0.4	0.1	55	0.11	0.035
119665	Soil	2.5	41.8	12.8	79	<0.1	23.4	11.7	438	3.44	7.1	2.3	2.8	5.1	21	0.2	0.4	0.2	58	0.12	0.082
119666	Soil	4.3	55.4	31.5	114	<0.1	32.7	19.2	639	4.78	3.9	1.5	2.1	5.1	14	<0.1	0.3	0.2	67	0.05	0.046
119667	Soil	1.4	49.9	2.2	109	<0.1	12.0	5.2	310	2.27	1.1	0.7	1.3	2.0	4	0.2	0.1	0.2	23	0.03	0.022
119668	Soil	1.1	26.5	4.3	21	<0.1	34.0	16.2	719	4.46	1.5	0.7	0.8	2.7	3	0.1	<0.1	<0.1	106	0.03	0.044
119669	Soil	0.8	11.2	1.5	17	<0.1	9.4	10.3	397	3.40	0.7	0.8	0.9	2.8	5	<0.1	<0.1	<0.1	19	0.01	0.026
119670	Soil	0.6	27.1	2.9	58	<0.1	8.1	7.3	491	3.73	2.6	1.1	0.9	4.3	10	<0.1	0.2	<0.1	35	0.05	0.019
119671	Soil	0.6	7.2	5.1	78	<0.1	5.9	11.6	719	4.24	2.9	0.5	1.7	2.9	8	<0.1	0.2	<0.1	56	0.12	0.072
119672	Soil	1.1	12.3	6.5	98	<0.1	6.9	18.4	983	6.32	1.7	0.5	<0.5	1.2	7	0.2	0.1	<0.1	121	0.21	0.118
121495	Soil	2.0	38.0	9.6	78	0.4	22.0	10.9	327	3.44	7.9	2.0	3.9	9.7	17	0.2	0.4	0.2	59	0.21	0.076
121496	Soil	0.3	23.8	6.1	77	<0.1	8.7	11.3	475	3.12	1.7	0.7	1.3	3.7	70	<0.1	0.1	<0.1	49	0.55	0.075

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
119645	Soil	14	20	0.70	176	0.132	<1	1.76	0.012	0.26	0.1	0.02	4.9	0.2	<0.05	6	<0.5	<0.2
119646	Soil	13	23	0.74	214	0.111	<1	1.88	0.009	0.21	0.2	0.05	4.7	0.2	<0.05	6	<0.5	<0.2
119647	Soil	14	25	0.72	232	0.102	<1	1.86	0.010	0.18	0.1	0.02	4.5	0.2	<0.05	6	<0.5	<0.2
119648	Soil	12	33	0.82	278	0.123	<1	1.75	0.011	0.36	<0.1	0.02	3.8	0.3	<0.05	6	<0.5	<0.2
119649	Soil	12	32	0.84	235	0.134	<1	2.13	0.009	0.25	0.1	0.02	4.5	0.2	<0.05	6	<0.5	<0.2
119650	Soil	12	29	0.69	210	0.113	<1	1.95	0.008	0.19	0.1	0.03	4.3	0.2	<0.05	6	<0.5	<0.2
119651	Soil	12	29	0.66	195	0.107	<1	1.83	0.008	0.13	0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
119652	Soil	10	29	0.71	232	0.117	<1	1.69	0.008	0.19	0.1	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
119653	Soil	11	31	0.62	238	0.099	<1	1.70	0.008	0.09	0.1	0.01	3.7	0.1	<0.05	7	<0.5	<0.2
119654	Soil	11	27	0.81	182	0.119	<1	1.97	0.008	0.16	0.1	0.02	4.9	0.1	<0.05	6	0.6	<0.2
119655	Soil	13	18	1.93	329	0.269	<1	3.38	0.016	1.21	<0.1	<0.01	11.8	0.5	<0.05	11	<0.5	<0.2
119656	Soil	11	7	0.43	164	0.093	<1	1.01	0.004	0.37	<0.1	0.01	4.1	0.1	<0.05	5	<0.5	<0.2
119657	Soil	11	14	0.69	125	0.102	<1	1.39	0.006	0.11	0.1	<0.01	3.8	<0.1	<0.05	6	<0.5	<0.2
119658	Soil	13	27	0.56	137	0.086	<1	2.00	0.007	0.14	0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
119659	Soil	10	29	0.57	142	0.087	1	2.24	0.008	0.10	<0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
119660	Soil	17	4	1.11	181	0.152	<1	2.06	0.009	0.84	<0.1	<0.01	3.2	0.2	<0.05	8	<0.5	<0.2
119661	Soil	7	6	0.67	196	0.118	<1	1.55	0.005	0.55	<0.1	<0.01	3.2	0.2	<0.05	5	<0.5	<0.2
119662	Soil	8	49	1.62	286	0.208	<1	2.64	0.009	0.68	<0.1	0.02	11.3	0.2	<0.05	10	<0.5	<0.2
119663	Soil	3	14	0.87	251	0.168	<1	1.63	0.008	0.77	<0.1	<0.01	9.7	0.2	<0.05	9	<0.5	<0.2
119664	Soil	9	28	0.61	146	0.093	<1	1.67	0.007	0.10	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
119665	Soil	14	36	0.75	207	0.087	<1	2.18	0.011	0.17	0.1	0.03	4.2	0.1	0.07	6	<0.5	<0.2
119666	Soil	12	44	0.78	200	0.102	<1	2.12	0.007	0.22	<0.1	0.02	6.9	0.4	0.06	7	0.5	<0.2
119667	Soil	8	25	0.79	209	0.090	<1	1.34	0.009	0.42	<0.1	<0.01	4.9	0.2	<0.05	5	<0.5	<0.2
119668	Soil	7	89	1.70	456	0.187	<1	2.85	0.015	0.98	<0.1	<0.01	13.1	0.2	<0.05	9	0.5	<0.2
119669	Soil	11	9	0.98	357	0.120	<1	1.71	0.018	0.63	<0.1	0.01	9.4	0.2	<0.05	6	<0.5	<0.2
119670	Soil	13	17	0.67	343	0.074	<1	1.44	0.009	0.36	<0.1	0.07	7.7	<0.1	<0.05	6	<0.5	<0.2
119671	Soil	10	18	0.96	528	0.163	<1	1.72	0.019	0.65	<0.1	<0.01	8.2	0.1	<0.05	9	<0.5	<0.2
119672	Soil	5	17	2.45	934	0.280	<1	3.77	0.014	1.36	<0.1	0.01	15.5	0.2	<0.05	13	<0.5	<0.2
121495	Soil	22	32	0.67	289	0.133	<1	2.22	0.010	0.44	<0.1	0.05	5.2	0.2	<0.05	7	<0.5	<0.2
121496	Soil	15	17	1.16	422	0.219	<1	2.46	0.021	0.81	0.1	<0.01	6.3	0.4	<0.05	8	<0.5	<0.2

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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
121497	Soil		1.2	42.6	16.7	84	0.2	27.5	12.7	331	3.37	11.3	0.9	2.9	3.9	28	0.2	0.4	0.2	72	0.49	0.058
121498	Soil		1.0	41.0	12.6	89	0.2	30.5	9.1	244	2.91	6.2	1.0	4.0	4.6	20	0.2	0.4	0.2	72	0.25	0.047
121499	Soil		1.0	53.9	5.1	54	<0.1	357.9	30.1	345	3.03	2.8	0.7	1.2	2.5	10	0.1	0.2	0.1	78	0.27	0.087
121500	Soil		0.3	150.8	2.7	49	<0.1	115.2	31.1	237	5.33	6.1	0.3	1.2	1.5	15	<0.1	<0.1	<0.1	199	0.30	0.040
121501	Soil		0.8	55.0	5.9	49	0.2	92.5	17.1	194	2.78	4.7	0.9	2.2	2.0	19	<0.1	0.3	0.1	62	0.41	0.079
121502	Soil		2.1	55.6	7.6	101	0.5	30.1	8.4	217	3.42	5.2	1.5	4.4	4.0	38	<0.1	0.1	0.4	59	0.21	0.050
121503	Soil		1.4	41.3	8.7	86	0.4	31.6	7.4	188	2.85	7.1	1.1	4.7	3.4	43	0.1	0.2	0.3	61	0.32	0.055
121504	Soil		1.0	34.1	6.4	50	0.5	14.6	5.5	135	3.33	5.4	0.6	2.0	2.6	26	<0.1	0.1	0.3	61	0.13	0.048
121505	Soil		1.6	45.7	9.7	91	0.6	84.3	12.7	242	3.26	5.1	1.4	2.1	5.2	59	<0.1	0.1	0.2	71	0.41	0.051
121506	Soil		0.7	44.3	8.7	86	0.4	40.6	12.5	221	2.95	5.7	2.2	2.6	8.5	73	0.3	0.2	0.3	63	0.94	0.079
121507	Soil		0.7	37.8	9.1	69	0.3	38.9	10.2	131	2.93	7.6	1.4	3.7	4.6	40	<0.1	0.3	0.2	64	0.29	0.055
121508	Soil		0.8	25.5	6.9	55	0.3	34.0	8.0	124	2.82	8.8	0.9	3.8	3.5	21	<0.1	0.3	0.2	56	0.18	0.048
121509	Soil		0.7	25.2	8.2	60	0.3	104.1	12.2	159	2.67	8.5	0.8	4.0	2.9	25	<0.1	0.2	0.2	66	0.23	0.052
121510	Soil		0.6	38.0	6.7	62	0.2	116.2	14.1	234	2.84	7.8	0.7	2.8	4.2	27	<0.1	0.2	0.2	79	0.24	0.034
121511	Soil		0.3	24.9	5.2	33	<0.1	11.4	9.6	219	2.54	11.0	0.7	1.0	3.9	95	<0.1	0.2	<0.1	63	0.53	0.042
121512	Soil		0.7	31.3	9.4	77	<0.1	33.6	12.7	359	4.18	2.3	2.8	2.5	17.0	11	<0.1	0.2	0.3	46	0.18	0.034
121513	Soil		0.6	34.7	12.6	63	0.2	36.4	16.9	722	3.48	6.9	1.3	1.7	8.2	175	<0.1	0.3	0.1	51	3.49	0.041
121514	Soil		1.0	54.3	11.1	46	0.1	41.6	20.2	857	3.83	13.4	1.1	4.3	8.5	732	<0.1	0.4	<0.1	46	5.52	0.081
121515	Soil		1.4	90.9	12.2	124	0.1	67.0	30.5	1304	5.78	10.1	1.9	2.8	17.6	92	<0.1	<0.1	0.1	118	0.98	0.124
121516	Soil		0.5	50.5	4.0	92	<0.1	19.3	21.4	706	5.63	15.1	1.2	<0.5	12.4	163	<0.1	<0.1	<0.1	112	0.47	0.092
121517	Soil		1.4	22.7	16.5	58	<0.1	29.8	14.5	359	3.56	14.7	0.7	3.9	7.9	16	<0.1	0.7	0.2	73	0.15	0.030
121518	Soil		0.4	34.8	5.2	121	<0.1	53.6	24.2	688	5.57	19.1	1.5	1.6	23.5	53	<0.1	<0.1	<0.1	75	0.48	0.061
121519	Soil		0.6	65.8	12.5	178	<0.1	56.9	25.8	626	7.62	11.0	2.0	1.1	30.6	14	<0.1	0.1	0.2	119	0.27	0.077
121520	Soil		1.2	25.3	11.1	79	<0.1	34.6	14.8	502	4.53	11.0	1.3	1.1	15.8	6	<0.1	0.2	0.2	61	0.07	0.043
121521	Soil		1.1	25.8	10.2	57	<0.1	26.5	11.4	308	3.31	11.7	1.9	3.0	11.9	19	<0.1	0.5	0.2	67	0.18	0.029
121522	Soil		0.6	18.8	5.1	73	<0.1	15.6	21.2	502	4.50	7.4	0.8	2.3	3.9	18	<0.1	0.1	<0.1	139	0.38	0.103
121523	Soil		0.4	17.2	3.4	38	<0.1	5.0	16.7	406	3.14	7.3	1.0	1.3	6.6	71	<0.1	<0.1	<0.1	109	0.57	0.088
121524	Soil		1.0	44.0	12.4	77	<0.1	30.1	16.7	439	4.00	8.7	1.6	4.3	16.8	18	<0.1	0.3	0.2	63	0.27	0.047
121525	Soil		0.8	34.5	5.6	67	<0.1	10.8	18.3	658	4.52	6.5	0.7	1.1	5.3	38	<0.1	0.2	<0.1	136	0.55	0.079
121526	Soil		0.8	29.0	7.4	110	<0.1	16.2	25.1	1401	7.07	8.1	1.0	3.5	9.7	40	<0.1	0.2	<0.1	165	0.65	0.090

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
121497	Soil	14	38	0.96	371	0.160	<1	2.19	0.020	0.44	0.2	0.03	6.2	0.2	<0.05	7	<0.5	<0.2
121498	Soil	16	45	0.90	272	0.143	<1	2.10	0.013	0.31	0.2	0.03	4.9	0.3	<0.05	7	0.8	<0.2
121499	Soil	20	335	2.30	273	0.133	<1	2.19	0.013	0.39	<0.1	<0.01	3.2	0.2	<0.05	8	0.7	<0.2
121500	Soil	6	114	2.60	805	0.291	<1	2.68	0.026	0.96	<0.1	<0.01	4.0	0.3	0.18	9	0.8	<0.2
121501	Soil	16	74	0.97	276	0.132	<1	1.59	0.011	0.22	<0.1	0.05	3.5	0.1	<0.05	6	0.5	<0.2
121502	Soil	14	38	0.95	531	0.170	<1	2.11	0.013	0.70	<0.1	0.02	3.4	0.3	0.30	6	0.9	<0.2
121503	Soil	14	33	0.79	357	0.121	3	2.23	0.013	0.42	<0.1	0.03	3.8	0.3	0.12	6	0.9	<0.2
121504	Soil	8	37	0.77	306	0.138	2	1.89	0.018	0.69	<0.1	0.02	2.9	0.4	0.30	5	0.9	<0.2
121505	Soil	17	84	1.37	381	0.145	1	2.84	0.016	0.48	<0.1	0.03	4.2	0.4	0.12	8	1.1	<0.2
121506	Soil	34	37	0.97	396	0.149	1	2.59	0.013	0.29	<0.1	0.06	4.8	0.3	0.11	7	<0.5	<0.2
121507	Soil	17	48	0.80	353	0.125	<1	2.21	0.012	0.48	0.1	0.05	4.8	0.3	0.07	6	0.6	<0.2
121508	Soil	12	43	0.74	197	0.111	<1	1.81	0.009	0.26	0.1	0.05	3.3	0.2	0.05	5	<0.5	<0.2
121509	Soil	12	91	1.11	228	0.112	1	2.12	0.011	0.19	0.1	0.04	3.8	0.2	0.06	6	<0.5	<0.2
121510	Soil	13	102	1.60	460	0.161	1	2.65	0.020	0.38	<0.1	0.01	5.2	0.3	0.06	8	<0.5	<0.2
121511	Soil	13	25	0.76	235	0.068	2	2.25	0.029	0.13	<0.1	0.03	5.4	0.1	<0.05	6	<0.5	<0.2
121512	Soil	48	43	0.80	168	0.171	<1	1.91	0.008	0.95	<0.1	0.02	5.3	0.7	<0.05	8	<0.5	<0.2
121513	Soil	24	41	0.67	178	0.077	<1	1.73	0.024	0.13	0.1	0.05	5.8	0.2	<0.05	6	<0.5	<0.2
121514	Soil	31	46	0.46	744	0.008	2	1.92	0.039	0.06	<0.1	0.03	7.5	<0.1	<0.05	6	<0.5	<0.2
121515	Soil	49	99	1.69	343	0.239	2	3.23	0.052	1.02	0.1	0.02	11.1	0.5	0.08	13	1.9	<0.2
121516	Soil	43	52	1.75	287	0.329	<1	3.34	0.019	1.35	<0.1	<0.01	11.6	0.7	<0.05	12	<0.5	<0.2
121517	Soil	11	42	0.48	206	0.104	2	2.71	0.016	0.10	0.1	0.03	3.5	0.2	<0.05	6	<0.5	<0.2
121518	Soil	46	72	1.10	239	0.324	1	2.75	0.022	1.22	0.1	0.01	8.0	1.1	<0.05	11	<0.5	<0.2
121519	Soil	33	112	1.95	287	0.437	<1	5.34	0.032	2.35	0.1	<0.01	14.3	1.5	<0.05	20	<0.5	<0.2
121520	Soil	26	45	0.70	131	0.200	1	2.49	0.005	0.55	<0.1	0.01	4.9	0.5	<0.05	10	<0.5	<0.2
121521	Soil	31	40	0.58	212	0.122	1	2.08	0.013	0.18	0.1	0.03	5.1	0.2	<0.05	7	<0.5	<0.2
121522	Soil	8	34	1.86	304	0.258	<1	3.94	0.015	0.76	<0.1	0.01	6.9	0.3	<0.05	10	<0.5	<0.2
121523	Soil	20	16	1.24	310	0.192	<1	2.83	0.035	0.80	<0.1	<0.01	4.7	0.3	<0.05	8	<0.5	<0.2
121524	Soil	75	54	0.90	321	0.179	<1	2.48	0.014	0.63	0.1	0.02	5.9	0.4	<0.05	8	<0.5	<0.2
121525	Soil	20	21	1.43	502	0.159	1	3.10	0.019	0.56	<0.1	0.02	6.9	0.2	<0.05	8	<0.5	<0.2
121526	Soil	29	21	1.90	651	0.293	1	3.90	0.024	1.47	<0.1	0.02	11.3	0.5	<0.05	11	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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		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	%	%	
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	
121527	Soil	0.7	33.9	3.8	86	<0.1	12.8	22.7	815	5.25	7.7	0.6	2.3	5.9	27	<0.1	0.2	<0.1	131	0.41	0.086
121528	Soil	1.0	29.9	9.7	72	<0.1	22.0	15.7	485	4.12	11.6	0.5	3.1	5.5	29	<0.1	0.5	0.1	103	0.36	0.036
121529	Soil	1.0	31.6	7.0	69	0.1	17.2	12.5	378	3.52	13.2	1.1	2.5	5.8	25	<0.1	0.3	0.1	84	0.39	0.063
102245	Soil	0.5	26.3	3.8	62	0.1	1.8	0.8	123	2.50	3.0	0.5	1.3	3.8	12	<0.1	<0.1	0.1	<2	0.02	0.018
102246	Soil	1.1	16.3	7.9	58	<0.1	14.3	7.3	263	3.14	9.5	0.6	0.5	2.7	10	<0.1	0.4	0.2	49	0.12	0.033
102247	Soil	1.0	57.5	7.5	96	<0.1	7.1	9.9	403	4.92	5.3	1.0	3.7	2.9	6	0.2	0.2	0.3	43	0.06	0.049
102248	Soil	2.6	24.3	3.8	94	0.1	4.1	5.3	849	3.75	3.2	1.6	1.5	8.5	10	<0.1	<0.1	0.2	11	0.06	0.034
102249	Soil	1.1	32.5	5.0	93	<0.1	5.4	12.7	783	4.56	3.8	0.9	0.9	5.0	6	<0.1	<0.1	0.4	33	0.21	0.093
102250	Soil	2.3	49.2	3.8	112	<0.1	9.2	9.9	704	4.27	3.0	1.8	2.4	5.2	6	0.2	<0.1	0.2	38	0.12	0.054
102251	Soil	1.5	18.1	7.8	69	0.1	9.9	8.8	538	3.79	6.3	0.8	2.9	3.4	9	<0.1	0.2	0.2	57	0.13	0.052
102252	Soil	1.3	9.0	2.1	85	<0.1	2.5	9.3	682	3.99	<0.5	0.8	<0.5	2.3	3	<0.1	<0.1	0.2	36	0.17	0.090
102253	Soil	1.0	11.9	5.3	65	0.1	3.7	5.0	535	2.26	1.8	1.2	<0.5	2.2	5	0.2	<0.1	<0.1	18	0.08	0.027
102254	Soil	1.3	19.2	6.2	76	0.1	11.2	7.8	465	2.75	2.7	1.0	2.1	2.6	8	0.1	0.1	0.1	44	0.15	0.036
102255	Soil	1.4	19.6	13.7	100	0.2	9.1	6.7	486	2.76	2.1	0.8	1.3	3.0	10	0.2	<0.1	0.2	42	0.14	0.037
102256	Soil	1.1	12.4	5.6	66	<0.1	6.8	7.2	505	2.32	1.7	0.8	2.2	2.6	7	0.1	<0.1	<0.1	39	0.16	0.052
102257	Soil	1.1	14.6	4.6	79	<0.1	3.7	4.0	726	2.66	1.3	0.5	<0.5	1.9	5	<0.1	<0.1	<0.1	17	0.10	0.028
102258	Soil	1.2	14.4	4.7	106	<0.1	9.0	7.7	495	2.69	2.5	0.8	<0.5	2.4	13	<0.1	0.1	0.1	42	0.20	0.032
102259	Soil	1.6	17.8	4.0	87	0.1	2.4	2.1	385	3.35	1.3	0.6	<0.5	6.1	6	<0.1	<0.1	<0.1	7	0.03	0.025
102260	Soil	1.7	15.7	7.7	64	<0.1	10.5	4.4	299	3.02	5.4	0.5	<0.5	4.4	10	<0.1	0.2	0.1	23	0.07	0.032
102261	Soil	1.0	19.6	8.8	57	0.1	16.7	7.5	281	2.85	8.2	0.7	1.0	2.7	12	0.1	0.3	0.1	54	0.18	0.039
102262	Soil	1.0	35.9	8.7	57	<0.1	45.9	10.7	268	2.81	8.3	0.7	0.5	4.0	13	0.2	0.3	0.2	66	0.19	0.039
102263	Soil	0.8	26.5	9.3	57	<0.1	27.4	12.3	283	3.09	8.9	0.8	0.6	7.9	24	<0.1	0.4	0.1	55	0.25	0.045
102264	Soil	0.6	66.6	19.8	65	<0.1	62.0	25.8	538	4.01	5.2	1.1	<0.5	10.7	72	<0.1	<0.1	<0.1	70	0.71	0.075
102265	Soil	0.7	31.2	11.8	73	<0.1	29.8	15.8	356	3.64	3.8	1.8	<0.5	14.0	10	<0.1	0.3	0.1	47	0.11	0.020
102266	Soil	0.9	28.4	9.1	75	<0.1	32.6	15.4	428	4.08	6.8	1.0	<0.5	9.4	12	0.1	0.3	0.2	77	0.12	0.029
102267	Soil	1.1	11.5	8.2	65	<0.1	14.2	16.8	508	4.01	7.1	0.4	<0.5	4.4	10	<0.1	0.3	<0.1	105	0.25	0.058
102268	Soil	1.0	26.0	10.3	66	<0.1	33.3	15.0	352	3.00	8.2	0.7	<0.5	8.3	10	0.2	0.4	0.1	51	0.14	0.040
102269	Soil	1.5	49.3	6.9	97	<0.1	12.3	24.9	907	6.36	2.9	0.5	<0.5	7.8	21	<0.1	<0.1	<0.1	146	0.37	0.092
102270	Soil	1.3	12.0	8.1	67	<0.1	13.8	10.8	488	3.64	8.6	0.4	<0.5	4.4	11	0.1	0.3	0.1	83	0.14	0.048
102271	Soil	0.8	22.7	5.3	89	<0.1	18.2	21.7	831	4.90	3.0	0.7	<0.5	8.6	12	<0.1	0.1	<0.1	100	0.20	0.048

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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
121527	Soil	15	18	1.44	442	0.230	<1	3.05	0.013	0.96	<0.1	0.02	5.6	0.2	<0.05	8	<0.5	<0.2
121528	Soil	9	32	1.13	298	0.190	2	2.85	0.013	0.19	<0.1	<0.01	3.7	<0.1	<0.05	7	<0.5	<0.2
121529	Soil	23	26	0.83	278	0.117	<1	1.99	0.011	0.27	<0.1	0.05	7.0	0.1	<0.05	6	<0.5	<0.2
102245	Soil	14	3	0.47	194	0.136	<1	1.14	0.011	0.77	<0.1	<0.01	3.8	0.4	0.40	5	<0.5	<0.2
102246	Soil	10	22	0.55	120	0.120	2	1.80	0.007	0.26	0.1	0.03	3.2	0.1	<0.05	6	<0.5	<0.2
102247	Soil	13	13	1.15	229	0.221	<1	2.36	0.012	0.96	<0.1	0.05	5.4	0.2	<0.05	8	<0.5	<0.2
102248	Soil	20	6	1.15	146	0.166	<1	2.31	0.009	1.07	<0.1	<0.01	6.7	0.5	0.13	8	<0.5	<0.2
102249	Soil	15	8	1.52	274	0.298	<1	2.58	0.011	1.48	<0.1	<0.01	5.5	0.4	0.05	7	<0.5	<0.2
102250	Soil	17	33	1.41	385	0.178	<1	2.34	0.016	1.15	<0.1	0.02	8.9	0.2	<0.05	9	<0.5	<0.2
102251	Soil	10	20	1.17	241	0.199	<1	2.12	0.013	0.73	0.1	0.01	6.6	0.2	<0.05	8	<0.5	<0.2
102252	Soil	8	4	1.34	422	0.227	<1	2.29	0.020	1.52	<0.1	0.01	7.1	0.2	<0.05	8	<0.5	0.3
102253	Soil	8	8	0.66	172	0.090	<1	1.22	0.007	0.54	<0.1	0.01	4.1	0.1	<0.05	5	<0.5	<0.2
102254	Soil	11	34	1.12	211	0.107	<1	1.75	0.007	0.46	<0.1	0.01	5.9	0.1	<0.05	6	<0.5	<0.2
102255	Soil	11	26	1.08	241	0.115	<1	1.78	0.007	0.51	<0.1	0.02	5.1	0.2	<0.05	6	<0.5	<0.2
102256	Soil	9	23	0.87	180	0.087	<1	1.36	0.007	0.41	<0.1	<0.01	4.8	0.1	<0.05	5	<0.5	<0.2
102257	Soil	9	8	0.90	307	0.115	<1	1.49	0.010	0.75	<0.1	<0.01	5.8	0.1	<0.05	7	<0.5	<0.2
102258	Soil	9	25	0.98	202	0.098	<1	1.58	0.008	0.43	<0.1	<0.01	6.0	0.2	<0.05	6	<0.5	<0.2
102259	Soil	19	4	0.77	81	0.101	<1	1.69	0.010	0.69	<0.1	<0.01	4.2	0.3	0.16	7	<0.5	<0.2
102260	Soil	12	14	0.61	119	0.093	<1	1.67	0.008	0.35	<0.1	0.02	3.1	0.2	0.09	6	<0.5	<0.2
102261	Soil	12	33	0.62	172	0.085	1	1.89	0.008	0.12	0.1	0.04	3.9	0.1	<0.05	6	<0.5	<0.2
102262	Soil	14	53	0.73	330	0.081	<1	1.97	0.008	0.09	<0.1	0.03	3.4	0.1	<0.05	6	0.6	<0.2
102263	Soil	15	35	0.68	206	0.079	<1	2.32	0.013	0.20	0.2	0.01	3.6	0.2	<0.05	6	<0.5	<0.2
102264	Soil	14	93	1.13	105	0.103	<1	1.95	0.014	0.27	<0.1	<0.01	8.7	0.2	<0.05	7	<0.5	<0.2
102265	Soil	48	39	0.87	228	0.174	<1	2.30	0.007	0.79	<0.1	<0.01	4.6	0.5	<0.05	8	<0.5	<0.2
102266	Soil	14	66	1.16	204	0.190	<1	3.52	0.008	0.66	0.1	0.02	6.8	0.4	<0.05	10	<0.5	<0.2
102267	Soil	7	24	1.19	194	0.158	<1	3.10	0.009	0.49	<0.1	0.02	4.3	0.2	<0.05	8	<0.5	<0.2
102268	Soil	12	37	0.66	150	0.076	<1	2.26	0.008	0.20	0.1	<0.01	3.2	0.2	<0.05	5	0.6	<0.2
102269	Soil	9	16	2.19	598	0.272	<1	4.15	0.013	0.90	<0.1	<0.01	3.9	0.3	<0.05	9	<0.5	<0.2
102270	Soil	7	24	0.86	128	0.144	<1	1.95	0.007	0.34	0.1	<0.01	2.5	0.2	<0.05	8	<0.5	<0.2
102271	Soil	12	29	1.62	238	0.269	<1	3.28	0.009	1.44	0.2	<0.01	3.4	0.5	<0.05	9	<0.5	<0.2

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.



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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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CERTIFICATE OF ANALYSIS

WHI11000643.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
102272	Soil	0.6	26.5	8.2	61	<0.1	23.9	10.6	361	3.23	5.6	1.7	<0.5	13.1	13	<0.1	0.2	0.2	55	0.18	0.045
102273	Soil	0.8	16.6	11.2	54	<0.1	19.1	8.0	276	2.98	5.9	1.0	<0.5	6.9	10	<0.1	0.2	0.1	58	0.11	0.023
102274	Soil	0.5	27.9	5.7	80	<0.1	37.2	15.6	465	4.33	3.8	1.7	<0.5	12.0	11	<0.1	0.2	0.2	47	0.14	0.038
102275	Soil	1.3	36.3	14.1	77	<0.1	29.2	11.1	396	3.12	3.4	1.5	<0.5	8.9	46	<0.1	0.2	0.2	51	0.33	0.100
102276	Soil	1.1	36.8	12.4	72	<0.1	29.5	12.9	372	3.22	5.2	1.2	<0.5	7.5	28	<0.1	0.2	0.2	55	0.29	0.084
102277	Soil	0.9	28.3	10.4	57	<0.1	24.2	10.7	354	2.96	7.8	1.5	<0.5	7.8	26	<0.1	0.4	0.1	57	0.26	0.025
102278	Soil	0.8	70.2	6.5	50	<0.1	18.8	10.8	205	2.77	6.5	0.6	1.7	2.6	16	<0.1	0.3	<0.1	70	0.20	0.041
102279	Soil	0.7	214.3	6.6	55	0.1	19.5	13.8	185	3.03	5.4	0.8	1.2	4.1	17	<0.1	0.2	<0.1	88	0.21	0.062
102280	Soil	0.6	30.2	1.9	53	<0.1	5.0	3.8	130	2.25	<0.5	0.7	<0.5	1.9	34	<0.1	<0.1	<0.1	51	0.12	0.033
102281	Soil	0.9	29.1	4.5	59	0.2	4.9	2.5	135	2.58	0.7	0.6	<0.5	1.3	24	<0.1	<0.1	0.1	52	0.16	0.036
102282	Soil	0.6	25.4	8.5	61	<0.1	23.9	10.8	341	2.89	4.1	1.2	<0.5	9.8	26	<0.1	0.2	0.1	42	0.27	0.029
102283	Soil	0.6	25.0	14.6	70	<0.1	31.2	11.7	412	3.35	3.6	1.6	<0.5	15.7	62	<0.1	0.2	0.1	56	0.45	0.024
102284	Soil	0.9	25.6	10.6	67	<0.1	28.1	12.9	374	3.31	6.5	1.3	<0.5	9.0	20	0.1	0.3	0.2	55	0.20	0.026
102285	Soil	0.7	25.8	9.6	73	<0.1	25.4	10.5	435	3.06	4.7	1.0	3.5	7.2	21	0.1	0.3	0.1	57	0.29	0.037
102286	Soil	1.5	30.7	9.6	68	0.2	25.0	10.5	342	3.06	4.9	1.0	0.6	6.0	19	<0.1	0.2	0.1	62	0.22	0.032
102287	Soil	0.9	26.4	10.3	68	<0.1	52.4	15.1	393	3.23	4.2	0.9	3.6	7.2	17	0.1	0.3	0.2	56	0.21	0.042
102288	Soil	1.4	38.6	6.7	108	0.1	48.9	12.2	463	3.36	2.9	1.0	<0.5	4.7	22	0.1	0.2	0.1	135	0.26	0.049
102289	Soil	1.4	45.0	7.5	114	0.1	66.7	13.2	400	3.31	4.5	1.0	1.0	4.8	21	0.2	0.3	0.1	99	0.34	0.057



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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 05, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
102272	Soil	42	45	0.74	180	0.133	<1	2.11	0.008	0.47	0.1	<0.01	4.3	0.3	<0.05	7	<0.5	<0.2
102273	Soil	17	38	0.62	93	0.141	<1	1.90	0.007	0.39	<0.1	0.01	3.5	0.2	<0.05	8	<0.5	<0.2
102274	Soil	31	41	1.05	290	0.229	<1	2.61	0.006	1.09	<0.1	<0.01	4.1	0.7	<0.05	8	<0.5	<0.2
102275	Soil	29	34	0.78	171	0.136	<1	2.12	0.010	0.41	<0.1	<0.01	3.4	0.3	<0.05	7	0.6	<0.2
102276	Soil	22	37	0.76	179	0.127	<1	2.27	0.008	0.34	0.1	<0.01	3.3	0.3	<0.05	7	0.7	<0.2
102277	Soil	24	37	0.64	281	0.108	<1	2.05	0.012	0.21	0.1	0.02	5.5	0.2	<0.05	6	<0.5	<0.2
102278	Soil	12	28	0.67	262	0.104	<1	1.94	0.008	0.18	<0.1	<0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
102279	Soil	11	23	0.83	287	0.175	<1	2.72	0.020	0.34	0.1	<0.01	3.1	0.1	<0.05	7	<0.5	<0.2
102280	Soil	7	14	0.99	422	0.107	<1	1.72	0.021	0.61	<0.1	<0.01	5.9	0.2	0.14	5	<0.5	<0.2
102281	Soil	5	20	1.20	597	0.093	<1	1.91	0.022	0.60	<0.1	<0.01	5.9	0.2	0.23	7	0.7	<0.2
102282	Soil	34	31	0.68	215	0.152	<1	1.90	0.010	0.50	0.1	0.03	4.6	0.4	<0.05	6	<0.5	<0.2
102283	Soil	39	51	0.77	287	0.168	<1	2.72	0.026	0.27	0.2	<0.01	6.9	0.3	<0.05	9	<0.5	<0.2
102284	Soil	27	38	0.72	205	0.132	<1	2.24	0.010	0.27	0.1	<0.01	4.4	0.3	<0.05	7	<0.5	<0.2
102285	Soil	19	36	0.78	274	0.152	<1	1.92	0.012	0.35	0.1	<0.01	5.0	0.3	<0.05	7	<0.5	<0.2
102286	Soil	16	37	0.70	221	0.133	<1	2.00	0.012	0.23	0.2	<0.01	3.9	0.2	<0.05	7	<0.5	<0.2
102287	Soil	16	98	0.93	223	0.163	<1	2.11	0.009	0.33	0.2	0.02	4.5	0.3	<0.05	7	1.1	<0.2
102288	Soil	13	129	1.50	343	0.224	<1	2.40	0.011	0.77	0.1	<0.01	6.7	0.3	<0.05	10	1.0	<0.2
102289	Soil	17	132	1.36	380	0.166	<1	2.23	0.009	0.39	0.2	0.01	6.0	0.3	<0.05	8	0.6	<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: **Taku Gold Corp**  
680 3rd Ave, Suite 203  
Val D'Or QC J9P 1S5 Canada

Project: DAN  
Report Date: August 05, 2011

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# QUALITY CONTROL REPORT

WHI11000643.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
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																					
101198	Soil	0.3	2.2	1.0	72	<0.1	2.6	1.0	166	0.68	<0.5	0.2	<0.5	0.3	2	<0.1	<0.1	<0.1	8	0.03	0.016
REP 101198	QC	0.2	1.8	0.9	69	<0.1	2.5	1.0	163	0.63	<0.5	0.2	<0.5	0.3	2	<0.1	<0.1	<0.1	8	0.03	0.015
101212	Soil	0.5	50.4	8.7	56	0.2	35.6	9.7	529	2.41	7.0	0.9	4.4	1.6	33	0.4	0.8	0.1	49	1.26	0.088
REP 101212	QC	0.4	48.2	8.8	56	0.2	35.8	9.8	524	2.35	6.5	0.9	5.0	1.8	32	0.4	0.8	0.2	48	1.26	0.086
103474	Soil	0.9	24.2	7.5	62	0.2	13.0	6.1	268	2.63	6.2	0.9	1.9	1.9	11	0.1	0.3	0.2	45	0.13	0.038
REP 103474	QC	1.0	23.9	7.6	63	0.2	12.4	6.1	266	2.57	5.9	0.9	2.7	2.0	11	0.1	0.3	0.2	45	0.13	0.036
103501	Soil	1.4	33.0	6.3	64	<0.1	15.5	14.1	373	3.52	5.8	2.5	3.2	5.4	16	<0.1	0.3	<0.1	77	0.28	0.066
REP 103501	QC	1.4	32.7	6.3	63	<0.1	14.9	14.2	378	3.60	6.0	2.5	2.2	5.5	16	<0.1	0.3	0.1	78	0.28	0.068
104437	Soil	0.9	20.0	5.0	88	<0.1	10.2	5.9	362	3.08	4.8	0.6	1.1	2.6	8	0.1	0.2	0.2	30	0.07	0.021
REP 104437	QC	0.9	20.6	5.4	89	<0.1	11.0	6.0	365	3.09	4.8	0.6	<0.5	2.7	8	<0.1	0.3	0.2	30	0.07	0.021
104440	Soil	1.3	22.1	11.4	61	0.2	14.0	7.1	321	3.04	6.9	0.8	1.0	3.1	12	0.2	0.4	0.2	56	0.12	0.030
REP 104440	QC	1.4	22.0	11.1	64	0.2	14.7	7.2	320	3.01	6.9	0.8	0.8	3.1	12	0.1	0.4	0.2	55	0.13	0.030
104461	Soil	0.6	165.8	0.9	53	<0.1	12.4	15.2	211	2.86	0.6	0.4	<0.5	1.5	10	0.1	<0.1	<0.1	96	0.28	0.099
REP 104461	QC	0.5	160.6	0.7	50	<0.1	12.0	14.9	205	2.72	0.8	0.4	<0.5	1.5	9	<0.1	<0.1	0.1	91	0.31	0.104
117577	Soil	0.9	16.9	5.2	75	<0.1	8.9	5.3	276	2.69	4.9	0.7	1.3	2.7	8	<0.1	0.2	0.2	26	0.07	0.027
REP 117577	QC	0.9	16.1	5.2	74	<0.1	9.0	5.3	279	2.71	4.6	0.7	<0.5	2.7	8	<0.1	0.2	0.2	26	0.07	0.029
117590	Soil	0.5	27.9	6.4	82	<0.1	39.7	16.3	349	4.35	8.2	1.0	1.5	9.7	21	<0.1	0.2	0.1	63	0.11	0.017
REP 117590	QC	0.4	26.9	6.3	83	<0.1	40.4	16.4	345	4.25	8.0	1.0	1.4	9.8	21	<0.1	0.2	0.1	62	0.11	0.016
115571	Soil	0.4	9.4	5.3	31	<0.1	3.1	4.3	246	1.76	1.9	0.7	<0.5	1.1	9	0.1	<0.1	0.1	23	0.17	0.037
REP 115571	QC	0.3	8.4	5.4	31	<0.1	2.9	4.4	245	1.68	1.7	0.6	<0.5	1.1	9	0.1	<0.1	0.1	21	0.17	0.038
115591	Soil	1.0	32.8	7.3	47	0.1	39.1	11.4	257	2.92	5.8	0.7	1.1	3.3	53	<0.1	0.3	<0.1	76	0.41	0.039
REP 115591	QC	0.9	32.7	7.0	48	0.1	38.2	11.4	266	2.93	6.1	0.7	<0.5	3.1	52	<0.1	0.3	0.1	80	0.43	0.041
115602	Soil	0.8	21.4	9.0	69	<0.1	25.5	13.1	476	3.65	3.2	1.2	<0.5	13.3	12	0.1	0.3	0.2	54	0.16	0.043
REP 115602	QC	0.8	21.3	8.8	70	<0.1	25.6	13.6	508	3.84	3.9	1.2	<0.5	13.1	13	<0.1	0.3	0.2	57	0.17	0.045
119647	Soil	1.0	27.8	8.1	69	0.1	18.6	8.9	394	3.01	8.6	1.0	2.8	2.9	18	<0.1	0.4	0.2	55	0.17	0.041
REP 119647	QC	1.1	27.7	8.4	68	0.1	18.4	9.2	395	3.06	8.8	1.0	4.4	3.0	18	<0.1	0.4	0.2	55	0.18	0.042
121499	Soil	1.0	53.9	5.1	54	<0.1	357.9	30.1	345	3.03	2.8	0.7	1.2	2.5	10	0.1	0.2	0.1	78	0.27	0.087
REP 121499	QC	1.0	54.0	5.0	54	<0.1	362.0	30.9	344	3.08	3.0	0.7	1.2	2.6	10	<0.1	0.2	0.1	78	0.28	0.091





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: **Taku Gold Corp**  
680 3rd Ave, Suite 203  
Val D'Or QC J9P 1S5 Canada

Project: DAN  
Report Date: August 05, 2011

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QUALITY CONTROL REPORT

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
101198	Soil	7	2	0.18	26	0.027	<1	0.27	0.003	0.09	<0.1	0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
REP 101198	QC	7	2	0.18	25	0.025	<1	0.26	0.003	0.09	<0.1	0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
101212	Soil	15	43	0.51	444	0.059	2	1.47	0.020	0.06	0.1	0.09	3.7	<0.1	0.05	4	0.6	<0.2
REP 101212	QC	16	41	0.49	455	0.055	2	1.44	0.019	0.05	0.1	0.09	3.6	<0.1	<0.05	4	0.7	<0.2
103474	Soil	15	21	0.56	139	0.082	<1	1.54	0.007	0.15	0.1	0.04	3.0	0.1	<0.05	6	<0.5	<0.2
REP 103474	QC	15	21	0.56	138	0.081	1	1.54	0.007	0.15	0.1	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
103501	Soil	23	23	1.21	268	0.182	<1	2.08	0.015	0.48	0.1	0.01	7.4	0.2	<0.05	7	<0.5	<0.2
REP 103501	QC	22	22	1.23	266	0.182	<1	2.11	0.013	0.48	0.1	0.02	7.5	0.2	<0.05	7	<0.5	<0.2
104437	Soil	10	17	0.70	123	0.145	2	1.68	0.007	0.46	<0.1	0.02	4.5	0.3	<0.05	6	<0.5	<0.2
REP 104437	QC	10	17	0.69	126	0.146	1	1.68	0.007	0.49	<0.1	0.01	4.6	0.3	<0.05	6	0.6	<0.2
104440	Soil	13	23	0.68	144	0.132	<1	1.80	0.009	0.24	0.1	0.02	4.1	0.1	<0.05	7	<0.5	<0.2
REP 104440	QC	14	23	0.67	141	0.134	1	1.75	0.009	0.24	0.1	0.03	4.1	0.1	<0.05	7	<0.5	<0.2
104461	Soil	6	15	0.95	238	0.186	<1	1.67	0.013	0.62	<0.1	<0.01	3.1	0.1	<0.05	6	<0.5	<0.2
REP 104461	QC	6	13	0.90	232	0.175	<1	1.57	0.012	0.60	<0.1	<0.01	2.9	0.1	<0.05	6	<0.5	<0.2
117577	Soil	12	14	0.55	113	0.099	<1	1.54	0.007	0.38	0.1	0.02	2.9	0.2	<0.05	5	<0.5	<0.2
REP 117577	QC	12	14	0.55	112	0.099	<1	1.52	0.007	0.38	0.1	0.02	3.2	0.2	<0.05	5	<0.5	<0.2
117590	Soil	11	61	0.89	196	0.195	<1	3.33	0.011	0.66	<0.1	0.01	6.8	0.6	<0.05	11	<0.5	<0.2
REP 117590	QC	11	60	0.87	194	0.197	<1	3.21	0.010	0.65	<0.1	0.02	6.6	0.6	<0.05	11	<0.5	<0.2
115571	Soil	4	7	0.66	254	0.044	<1	1.98	0.005	0.44	<0.1	0.01	3.1	0.2	<0.05	4	<0.5	<0.2
REP 115571	QC	4	7	0.63	246	0.039	<1	1.89	0.006	0.43	<0.1	0.03	3.2	0.1	<0.05	4	<0.5	<0.2
115591	Soil	14	57	0.88	330	0.094	<1	2.13	0.016	0.17	<0.1	0.01	4.3	<0.1	<0.05	7	0.6	<0.2
REP 115591	QC	14	59	0.90	327	0.099	<1	2.16	0.017	0.18	<0.1	0.02	4.7	0.1	<0.05	7	<0.5	<0.2
115602	Soil	31	42	0.74	173	0.156	<1	2.27	0.007	0.61	<0.1	0.03	5.2	0.3	<0.05	9	<0.5	<0.2
REP 115602	QC	30	45	0.78	174	0.168	<1	2.34	0.006	0.64	<0.1	0.03	5.3	0.4	<0.05	9	<0.5	<0.2
119647	Soil	14	25	0.72	232	0.102	<1	1.86	0.010	0.18	0.1	0.02	4.5	0.2	<0.05	6	<0.5	<0.2
REP 119647	QC	15	26	0.74	236	0.106	<1	1.90	0.010	0.18	0.2	0.03	4.7	0.2	<0.05	6	<0.5	<0.2
121499	Soil	20	335	2.30	273	0.133	<1	2.19	0.013	0.39	<0.1	<0.01	3.2	0.2	<0.05	8	0.7	<0.2
REP 121499	QC	20	336	2.31	277	0.134	<1	2.16	0.013	0.40	<0.1	0.01	3.4	0.2	<0.05	7	0.6	<0.2

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QUALITY CONTROL REPORT

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		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
121510	Soil	0.6	38.0	6.7	62	0.2	116.2	14.1	234	2.84	7.8	0.7	2.8	4.2	27	<0.1	0.2	0.2	79	0.24	0.034
REP 121510	QC	0.7	38.1	6.3	62	0.2	113.0	14.0	237	2.90	6.4	0.7	1.9	4.4	27	<0.1	0.2	0.2	77	0.24	0.035
121522	Soil	0.6	18.8	5.1	73	<0.1	15.6	21.2	502	4.50	7.4	0.8	2.3	3.9	18	<0.1	0.1	<0.1	139	0.38	0.103
REP 121522	QC	0.6	19.2	4.5	76	<0.1	16.0	21.3	512	4.69	7.6	0.7	<0.5	3.9	18	<0.1	0.1	0.1	143	0.39	0.098
102253	Soil	1.0	11.9	5.3	65	0.1	3.7	5.0	535	2.26	1.8	1.2	<0.5	2.2	5	0.2	<0.1	<0.1	18	0.08	0.027
REP 102253	QC	1.1	11.3	4.7	67	0.1	3.9	4.9	520	2.23	1.8	1.1	<0.5	2.1	5	0.2	<0.1	<0.1	17	0.08	0.027
102279	Soil	0.7	214.3	6.6	55	0.1	19.5	13.8	185	3.03	5.4	0.8	1.2	4.1	17	<0.1	0.2	<0.1	88	0.21	0.062
REP 102279	QC	0.7	210.4	7.8	55	0.1	18.9	14.0	183	3.00	5.4	0.8	<0.5	3.9	17	0.1	0.3	<0.1	87	0.21	0.060
102288	Soil	1.4	38.6	6.7	108	0.1	48.9	12.2	463	3.36	2.9	1.0	<0.5	4.7	22	0.1	0.2	0.1	135	0.26	0.049
REP 102288	QC	1.4	40.1	6.4	116	0.1	50.9	12.3	464	3.43	2.9	1.0	<0.5	4.6	22	<0.1	0.2	0.1	137	0.25	0.050
Reference Materials																					
STD DS8	Standard	11.5	99.8	120.5	299	1.7	33.1	6.8	552	2.25	26.3	2.5	96.4	6.2	65	2.0	5.1	6.7	36	0.64	0.077
STD DS8	Standard	12.3	103.8	125.9	304	1.9	36.1	7.3	596	2.43	26.6	2.8	115.4	7.0	71	2.3	5.7	7.1	35	0.68	0.076
STD DS8	Standard	12.3	105.5	115.1	301	1.7	37.6	7.5	595	2.41	26.6	2.6	101.7	6.3	67	2.2	5.6	6.6	41	0.67	0.077
STD DS8	Standard	13.1	110.7	121.3	316	1.8	37.6	7.7	604	2.46	26.6	2.7	111.4	6.7	69	2.3	5.7	6.8	42	0.70	0.078
STD DS8	Standard	13.6	104.3	124.3	309	1.8	37.0	7.5	621	2.46	26.8	2.7	103.3	7.0	67	2.4	5.9	6.7	43	0.71	0.077
STD DS8	Standard	12.9	98.8	121.5	302	1.7	35.7	7.2	585	2.36	25.3	2.7	104.9	6.6	66	2.4	5.5	6.5	40	0.67	0.073
STD DS8	Standard	11.8	98.6	111.7	298	1.9	32.6	6.8	595	2.37	26.2	2.4	110.3	6.2	60	2.3	5.4	6.2	39	0.65	0.080
STD DS8	Standard	11.8	96.1	112.2	295	1.7	32.7	6.5	574	2.32	25.7	2.4	118.8	5.9	59	2.1	4.9	6.0	37	0.63	0.076
STD DS8	Standard	12.9	107.9	125.0	295	1.8	36.9	7.5	592	2.39	25.8	2.6	111.3	6.8	60	2.2	5.2	6.3	42	0.67	0.072
STD DS8	Standard	13.9	111.2	127.9	309	1.8	37.4	7.7	608	2.43	28.0	2.7	113.5	6.9	64	2.3	5.5	6.4	43	0.71	0.076
STD DS8	Standard	13.8	117.2	124.6	323	1.8	39.6	7.8	627	2.49	26.4	2.8	118.4	6.8	70	2.1	6.1	6.9	43	0.67	0.084
STD DS8	Standard	14.5	114.1	122.0	323	1.8	38.0	7.8	643	2.55	25.9	2.8	115.4	7.1	74	2.4	5.8	6.8	44	0.71	0.086
STD DS8	Standard	13.7	111.7	118.9	316	1.8	36.8	7.7	616	2.59	29.0	2.7	113.1	7.5	69	2.5	5.6	6.5	48	0.74	0.077
STD DS8	Standard	14.2	108.4	117.3	311	1.8	38.2	7.7	627	2.49	29.7	2.7	108.5	7.5	68	2.3	5.4	6.2	44	0.68	0.075
STD DS8	Standard	12.9	102.7	127.6	294	1.7	35.3	7.0	578	2.35	25.0	2.7	94.3	6.8	57	2.8	4.5	5.4	40	0.67	0.076
STD DS8	Standard	13.1	104.7	124.3	298	1.7	35.4	6.9	594	2.36	25.7	2.7	108.8	6.7	58	2.2	4.8	5.6	40	0.68	0.079
STD DS8	Standard	13.2	115.1	126.7	325	1.8	39.7	7.8	620	2.49	27.8	2.8	130.6	6.5	65	2.4	6.0	6.7	43	0.67	0.082
STD DS8	Standard	13.4	107.2	120.4	316	1.9	37.6	7.5	604	2.44	25.7	2.6	111.5	6.2	65	2.3	5.8	6.4	42	0.67	0.079

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
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QUALITY CONTROL REPORT

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		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
121510	Soil	13	102	1.60	460	0.161	1	2.65	0.020	0.38	<0.1	0.01	5.2	0.3	0.06	8	<0.5	<0.2
REP 121510	QC	12	102	1.68	449	0.158	<1	2.81	0.019	0.39	<0.1	0.04	5.1	0.2	0.06	8	<0.5	<0.2
121522	Soil	8	34	1.86	304	0.258	<1	3.94	0.015	0.76	<0.1	0.01	6.9	0.3	<0.05	10	<0.5	<0.2
REP 121522	QC	8	33	1.85	297	0.256	<1	3.96	0.014	0.79	<0.1	<0.01	7.0	0.3	<0.05	11	<0.5	<0.2
102253	Soil	8	8	0.66	172	0.090	<1	1.22	0.007	0.54	<0.1	0.01	4.1	0.1	<0.05	5	<0.5	<0.2
REP 102253	QC	8	7	0.68	171	0.091	<1	1.23	0.007	0.56	<0.1	<0.01	4.0	0.1	<0.05	5	<0.5	<0.2
102279	Soil	11	23	0.83	287	0.175	<1	2.72	0.020	0.34	0.1	<0.01	3.1	0.1	<0.05	7	<0.5	<0.2
REP 102279	QC	11	23	0.83	280	0.175	<1	2.67	0.020	0.34	0.1	0.02	3.3	<0.1	<0.05	7	<0.5	<0.2
102288	Soil	13	129	1.50	343	0.224	<1	2.40	0.011	0.77	0.1	<0.01	6.7	0.3	<0.05	10	1.0	<0.2
REP 102288	QC	13	130	1.55	340	0.229	<1	2.42	0.011	0.78	<0.1	0.01	6.6	0.4	<0.05	9	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	13	107	0.58	256	0.101	2	0.84	0.093	0.42	2.8	0.18	2.4	5.0	0.17	5	4.6	3.8
STD DS8	Standard	14	113	0.59	269	0.113	2	0.92	0.106	0.43	3.1	0.19	2.5	5.2	0.16	5	4.2	5.4
STD DS8	Standard	14	112	0.58	273	0.120	2	0.86	0.079	0.39	2.9	0.20	2.0	5.2	0.15	5	5.5	5.2
STD DS8	Standard	15	116	0.60	278	0.128	2	0.91	0.088	0.42	3.0	0.20	2.2	5.5	0.15	5	5.0	5.3
STD DS8	Standard	16	115	0.62	279	0.118	1	0.91	0.091	0.43	3.1	0.21	2.7	5.4	0.15	5	5.2	5.7
STD DS8	Standard	15	109	0.59	270	0.109	<1	0.89	0.096	0.41	3.1	0.21	2.6	5.4	0.11	5	4.9	5.1
STD DS8	Standard	14	108	0.61	288	0.104	2	0.88	0.085	0.41	3.1	0.20	2.0	5.4	0.12	5	5.1	5.0
STD DS8	Standard	13	103	0.58	277	0.103	<1	0.84	0.082	0.40	3.0	0.21	2.0	5.1	0.10	4	5.3	4.9
STD DS8	Standard	15	113	0.57	266	0.111	3	0.86	0.077	0.39	3.0	0.20	2.1	5.4	0.13	5	5.7	5.0
STD DS8	Standard	15	117	0.61	276	0.120	3	0.92	0.087	0.41	3.1	0.19	2.4	5.4	0.18	5	5.4	5.1
STD DS8	Standard	15	119	0.60	288	0.130	2	0.91	0.083	0.42	3.0	0.21	2.1	5.6	0.16	5	4.7	5.4
STD DS8	Standard	16	121	0.63	293	0.137	2	0.94	0.092	0.42	3.1	0.20	2.3	5.4	0.16	5	5.4	5.2
STD DS8	Standard	16	117	0.58	287	0.124	2	0.97	0.116	0.45	3.2	0.19	2.6	5.5	0.16	5	6.0	4.6
STD DS8	Standard	16	118	0.60	287	0.125	2	0.95	0.110	0.43	3.2	0.19	2.5	5.6	0.16	5	5.3	4.8
STD DS8	Standard	14	107	0.56	268	0.100	2	0.88	0.088	0.40	2.9	0.19	2.0	4.9	0.16	5	4.5	5.1
STD DS8	Standard	14	110	0.58	274	0.099	2	0.88	0.084	0.41	3.0	0.19	2.2	5.2	0.15	5	4.9	5.4
STD DS8	Standard	13	119	0.61	265	0.123	2	0.86	0.080	0.42	3.0	0.20	2.0	5.5	0.16	5	5.0	4.9
STD DS8	Standard	14	115	0.59	273	0.121	2	0.85	0.083	0.40	2.9	0.21	2.0	5.2	0.14	4	4.8	5.4

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	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
STD DS8	Standard	12.3	106.0	119.2	306	1.7	37.0	7.2	588	2.38	26.4	2.6	104.7	6.1	59	2.2	5.4	6.3	41	0.63	0.076
STD DS8	Standard	11.4	103.4	119.6	297	1.7	36.3	7.0	575	2.34	25.8	2.5	109.8	6.1	58	2.2	5.2	6.2	39	0.64	0.079
STD DS8	Standard	13.0	105.0	123.3	311	1.7	35.9	7.2	600	2.41	25.4	2.8	123.0	7.1	66	2.2	5.4	6.6	42	0.70	0.078
STD DS8	Standard	13.1	115.5	128.2	321	1.8	37.1	7.8	629	2.54	26.5	2.9	106.3	7.0	66	2.3	5.6	6.6	44	0.68	0.085
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<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	0.02	<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:** Taku Gold Corp  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

**Project:** DAN  
**Report Date:** August 05, 2011

**Page:** 3 of 3 **Part** 2

QUALITY CONTROL REPORT

WHI11000643.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	13	112	0.58	270	0.105	2	0.85	0.075	0.41	3.2	0.19	1.9	5.4	0.16	5	4.5	4.8
STD DS8	Standard	12	109	0.58	265	0.102	3	0.85	0.075	0.40	3.0	0.19	2.0	5.2	0.14	4	4.7	5.1
STD DS8	Standard	15	117	0.60	272	0.115	2	0.91	0.090	0.42	2.8	0.19	2.4	5.5	0.12	5	4.9	5.2
STD DS8	Standard	14	119	0.60	282	0.111	2	0.87	0.088	0.40	3.0	0.20	2.0	5.8	0.15	5	5.2	4.8
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5 Canada

Submitted By: Lauren Wilson
Receiving Lab: Canada-Whitehorse
Received: July 20, 2011
Report Date: August 10, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000680.1

CLIENT JOB INFORMATION

Project: DAN
Shipment ID: 20110709104051
P.O. Number
Number of Samples: 319

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil 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: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Mark Fekete

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX2.

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. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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

www.acmelab.com

Client: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 10, 2011

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000680.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
109543	Soil	1.8	20.4	10.1	61	<0.1	24.9	12.0	323	2.94	10.2	0.9	2.9	4.5	17	0.1	0.5	0.2	62	0.13	0.036
109544	Soil	0.4	20.7	4.6	19	<0.1	20.3	6.4	137	1.40	0.9	1.1	0.9	1.2	8	<0.1	<0.1	<0.1	35	0.16	0.065
109545	Soil	1.7	58.2	10.2	50	0.2	32.7	10.6	283	2.98	10.7	2.8	6.3	9.8	23	<0.1	0.5	0.2	65	0.23	0.045
109546	Soil	1.3	50.0	6.6	58	<0.1	35.7	19.4	514	3.91	6.8	1.4	2.5	9.1	21	<0.1	0.3	0.1	96	0.26	0.050
109547	Soil	1.2	35.3	10.1	51	<0.1	37.1	13.5	271	3.09	9.1	0.8	1.8	5.4	25	<0.1	0.4	0.2	67	0.22	0.033
109548	Soil	1.1	48.1	6.6	47	0.2	68.6	12.3	241	2.83	8.0	0.7	1.5	4.1	19	<0.1	0.4	0.1	64	0.24	0.063
109549	Soil	1.3	29.7	8.8	97	0.2	52.8	19.3	625	3.57	5.3	0.6	<0.5	5.3	28	0.1	0.3	0.1	106	0.28	0.077
109550	Soil	0.9	27.7	9.7	57	0.2	30.8	10.2	456	2.77	11.4	0.5	3.5	3.7	27	0.2	0.5	0.2	60	0.31	0.086
109551	Soil	1.0	30.0	9.2	55	0.2	31.9	9.4	373	2.40	8.3	0.9	2.6	3.5	31	<0.1	0.4	0.1	53	0.44	0.051
109552	Soil	1.8	42.4	8.8	62	0.1	28.0	11.4	706	2.74	6.9	0.8	2.7	3.3	32	0.2	0.5	0.2	59	0.36	0.075
109553	Soil	1.6	48.7	11.6	101	0.2	40.3	10.3	411	3.81	6.7	1.1	0.9	2.8	30	0.3	0.4	0.2	91	0.24	0.070
109554	Soil	1.8	59.5	19.0	90	0.1	35.5	11.8	521	4.90	2.9	0.9	<0.5	6.5	36	<0.1	0.3	0.3	95	0.10	0.035
109555	Soil	0.3	22.2	4.3	57	<0.1	32.6	18.9	185	3.69	0.9	1.1	<0.5	10.2	339	<0.1	<0.1	0.1	107	0.49	0.040
109556	Soil	0.5	28.0	3.2	56	<0.1	18.8	15.1	260	3.38	3.4	1.0	<0.5	6.5	8	<0.1	0.1	<0.1	87	0.32	0.100
109557	Soil	0.6	13.3	7.5	77	<0.1	22.1	13.9	400	3.15	4.2	0.4	<0.5	3.3	44	<0.1	0.3	<0.1	67	0.39	0.094
109558	Soil	0.8	9.7	8.1	45	<0.1	16.3	8.5	183	2.36	5.2	0.3	3.5	2.4	23	<0.1	0.4	0.1	56	0.16	0.027
109559	Soil	0.6	23.2	9.1	61	<0.1	30.3	14.3	242	3.26	6.0	1.2	0.6	8.9	41	<0.1	0.3	0.2	57	0.19	0.022
109560	Soil	0.5	40.9	2.5	25	<0.1	17.8	9.9	190	1.87	1.3	0.4	<0.5	2.8	35	<0.1	<0.1	<0.1	38	0.53	0.117
109561	Soil	0.3	20.9	2.4	38	<0.1	9.1	11.0	295	2.58	2.4	0.5	<0.5	3.3	61	<0.1	<0.1	<0.1	85	0.41	0.072
109562	Soil	0.5	16.5	6.2	59	<0.1	16.7	12.8	445	3.48	2.4	1.0	<0.5	6.5	41	<0.1	<0.1	<0.1	79	0.62	0.105
109563	Soil	0.2	14.6	3.2	53	<0.1	8.0	15.2	458	4.30	2.7	0.6	<0.5	5.1	27	<0.1	0.1	<0.1	95	0.88	0.280
109564	Soil	0.7	19.0	7.2	74	<0.1	27.3	12.9	316	3.42	5.3	0.6	0.7	7.5	24	<0.1	0.3	0.1	64	0.23	0.039
109565	Soil	0.8	12.4	8.6	72	<0.1	20.7	10.9	344	2.70	4.5	0.4	0.9	4.9	25	<0.1	0.3	0.1	54	0.28	0.029
109566	Soil	0.5	11.0	5.9	50	<0.1	23.5	13.3	483	3.25	2.9	0.3	0.7	5.1	23	<0.1	0.2	<0.1	63	0.38	0.123
109567	Soil	0.9	14.6	5.9	56	<0.1	10.2	11.1	500	4.71	1.3	1.2	1.4	9.5	31	<0.1	0.1	<0.1	81	0.68	0.196
109568	Soil	2.0	18.5	9.7	48	<0.1	21.2	7.3	298	3.06	11.2	0.4	2.9	2.5	14	<0.1	0.6	0.2	70	0.09	0.036
109569	Soil	1.8	62.8	9.2	57	0.1	29.8	11.4	498	2.72	5.4	1.2	2.1	4.4	15	0.1	0.4	0.2	53	0.10	0.018
109570	Soil	1.1	54.9	7.3	96	<0.1	46.6	15.8	769	3.75	5.1	1.4	2.5	6.5	29	<0.1	0.4	0.1	89	0.28	0.023
109571	Soil	0.8	71.3	7.3	113	<0.1	56.3	14.8	610	3.81	2.7	0.8	1.2	4.8	18	<0.1	0.2	<0.1	90	0.19	0.033
109572	Soil	1.6	63.8	14.7	131	<0.1	59.3	16.7	462	4.58	3.0	1.2	0.9	6.4	36	<0.1	0.3	0.2	75	0.16	0.050

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.



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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 10, 2011

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CERTIFICATE OF ANALYSIS

WHI11000680.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
109543	Soil	11	37	0.51	270	0.065	1	2.16	0.011	0.05	0.2	0.03	3.4	0.1	<0.05	6	<0.5	<0.2
109544	Soil	10	33	0.61	142	0.140	1	0.94	0.013	0.32	<0.1	0.02	0.7	0.2	<0.05	4	<0.5	<0.2
109545	Soil	21	49	0.63	215	0.091	1	2.09	0.012	0.07	0.2	0.04	4.3	0.2	<0.05	6	<0.5	<0.2
109546	Soil	21	58	1.31	253	0.264	2	2.70	0.012	0.34	0.2	0.01	4.6	0.3	<0.05	8	<0.5	<0.2
109547	Soil	10	68	0.86	182	0.127	1	2.28	0.012	0.10	0.1	0.03	3.0	0.1	<0.05	6	<0.5	<0.2
109548	Soil	11	145	0.99	275	0.124	1	1.64	0.010	0.25	0.2	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
109549	Soil	15	99	1.07	445	0.156	1	2.33	0.011	0.23	0.1	0.01	4.9	0.1	<0.05	8	<0.5	<0.2
109550	Soil	9	36	0.50	298	0.055	<1	1.84	0.012	0.11	0.2	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
109551	Soil	13	38	0.55	417	0.074	1	1.34	0.019	0.06	0.2	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
109552	Soil	12	37	0.65	295	0.113	1	1.54	0.016	0.20	0.2	0.03	3.8	0.1	<0.05	5	<0.5	<0.2
109553	Soil	9	50	0.94	325	0.187	<1	2.14	0.013	0.58	0.1	0.02	3.7	0.4	<0.05	6	0.9	<0.2
109554	Soil	20	58	1.19	309	0.259	<1	2.95	0.019	1.16	<0.1	<0.01	5.3	0.7	0.15	9	<0.5	<0.2
109555	Soil	24	70	1.38	403	0.167	<1	3.14	0.030	0.76	0.2	<0.01	10.1	0.4	<0.05	13	<0.5	<0.2
109556	Soil	11	35	1.51	287	0.171	<1	2.70	0.019	0.33	<0.1	<0.01	5.0	0.1	<0.05	10	<0.5	<0.2
109557	Soil	7	39	0.81	392	0.176	<1	2.52	0.016	0.26	<0.1	<0.01	4.1	0.1	<0.05	9	<0.5	<0.2
109558	Soil	7	33	0.42	213	0.063	<1	1.74	0.011	0.05	0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
109559	Soil	15	42	0.67	273	0.136	<1	2.51	0.016	0.34	<0.1	0.02	3.6	0.3	<0.05	8	<0.5	<0.2
109560	Soil	12	45	0.60	197	0.118	<1	1.32	0.022	0.23	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
109561	Soil	11	10	0.88	258	0.158	<1	2.08	0.033	0.54	<0.1	<0.01	4.6	0.2	<0.05	6	<0.5	<0.2
109562	Soil	9	36	1.05	340	0.209	<1	2.93	0.017	0.71	<0.1	0.02	5.5	0.3	<0.05	9	<0.5	<0.2
109563	Soil	16	9	1.32	287	0.197	<1	2.93	0.022	1.21	<0.1	<0.01	4.5	0.4	<0.05	9	<0.5	<0.2
109564	Soil	12	51	0.75	245	0.169	<1	2.51	0.015	0.40	0.1	0.01	5.0	0.2	<0.05	9	<0.5	<0.2
109565	Soil	9	37	0.50	262	0.107	<1	1.76	0.012	0.16	<0.1	0.01	3.1	0.1	<0.05	6	<0.5	<0.2
109566	Soil	6	42	0.86	247	0.191	<1	2.36	0.015	0.33	0.1	0.01	3.6	0.1	<0.05	9	<0.5	<0.2
109567	Soil	38	24	0.87	285	0.147	<1	2.34	0.012	0.67	<0.1	0.02	11.4	0.3	<0.05	9	<0.5	<0.2
109568	Soil	9	31	0.42	153	0.075	<1	1.66	0.007	0.07	0.1	0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
109569	Soil	13	33	0.59	253	0.111	<1	1.73	0.007	0.25	<0.1	0.02	3.9	0.2	<0.05	5	<0.5	<0.2
109570	Soil	22	62	1.08	378	0.173	<1	2.51	0.014	0.30	<0.1	0.04	10.1	0.2	<0.05	9	0.6	<0.2
109571	Soil	14	86	1.33	398	0.247	<1	2.47	0.009	0.91	<0.1	0.01	7.0	0.4	<0.05	10	0.6	<0.2
109572	Soil	19	53	1.09	429	0.207	<1	2.15	0.012	1.17	<0.1	0.02	3.8	0.6	0.10	8	0.8	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 10, 2011

Page: 3 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000680.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
109573	Soil	1.4	44.3	9.2	82	<0.1	34.2	11.1	445	3.03	5.7	1.0	2.2	3.7	31	<0.1	0.4	0.1	79	0.27	0.031
109574	Soil	1.1	37.5	9.1	66	0.2	29.6	10.4	323	2.85	7.2	1.1	2.5	4.0	26	<0.1	0.4	0.1	64	0.24	0.028
109575	Soil	1.3	40.2	10.3	65	0.1	31.9	8.4	342	2.80	7.1	1.1	4.2	4.0	32	<0.1	0.6	0.1	61	0.33	0.042
109576	Soil	1.5	47.9	8.4	80	0.1	39.0	10.7	436	3.13	6.1	0.8	3.1	3.8	23	0.1	0.6	0.1	66	0.22	0.044
109577	Soil	1.0	25.8	11.4	53	<0.1	23.8	9.3	327	2.51	7.2	0.8	4.5	3.5	27	0.2	0.5	0.1	55	0.31	0.035
109578	Soil	2.8	77.4	14.1	88	<0.1	38.3	18.5	721	3.22	4.0	2.7	1.4	5.5	18	0.2	0.5	0.4	54	0.09	0.031
109579	Soil	1.3	41.2	13.4	79	<0.1	33.5	13.9	463	3.60	6.4	1.6	3.1	9.4	26	<0.1	0.5	0.3	58	0.22	0.034
109580	Soil	1.0	57.0	13.5	96	<0.1	46.2	19.3	417	3.64	4.4	1.0	2.2	4.9	24	0.1	0.4	0.3	56	0.24	0.034
109581	Soil	1.4	24.9	11.4	48	<0.1	24.8	10.1	297	3.04	10.8	0.8	1.1	4.0	15	<0.1	0.6	0.2	64	0.12	0.029
109582	Soil	1.1	36.3	10.4	59	<0.1	26.7	11.3	498	2.75	8.7	0.9	2.6	2.3	27	0.2	0.6	0.2	59	0.24	0.046
109583	Soil	0.9	47.4	8.3	75	<0.1	33.2	11.7	617	3.06	5.8	0.7	2.4	3.5	27	0.1	0.5	0.2	53	0.24	0.022
109584	Soil	2.0	47.3	11.2	83	<0.1	39.4	13.8	843	2.91	6.8	1.6	5.7	4.1	21	0.4	0.5	0.3	47	0.15	0.070
109585	Soil	0.9	58.3	11.6	92	<0.1	43.7	20.4	389	3.75	2.1	0.9	4.0	6.3	9	<0.1	0.2	0.3	43	0.09	0.022
109586	Soil	0.6	25.0	22.5	74	<0.1	30.0	13.3	743	3.35	3.2	0.9	3.5	10.0	18	<0.1	0.3	0.2	46	0.14	0.030
109587	Soil	1.1	36.8	11.0	57	<0.1	24.6	11.2	385	2.79	6.4	1.3	3.3	4.8	20	<0.1	0.4	0.2	60	0.16	0.037
109588	Soil	1.3	24.5	10.0	52	<0.1	21.5	8.8	280	2.54	7.1	0.9	3.3	3.9	20	<0.1	0.4	0.2	58	0.19	0.035
109589	Soil	0.9	28.3	9.9	55	<0.1	21.2	8.6	314	2.35	6.9	0.9	17.8	3.2	24	<0.1	0.5	0.2	49	0.25	0.045
109590	Soil	1.0	29.0	8.4	54	<0.1	22.0	8.7	331	2.36	6.2	0.8	2.3	2.9	23	<0.1	0.4	0.2	48	0.24	0.046
109591	Soil	1.3	36.7	10.2	61	<0.1	23.6	9.2	425	2.69	6.9	1.2	11.9	4.1	20	<0.1	0.5	0.2	57	0.16	0.038
109592	Soil	1.3	41.5	8.2	66	<0.1	27.7	10.0	448	2.62	6.2	1.5	3.9	4.3	19	0.1	0.5	0.2	58	0.18	0.038
109593	Soil	1.2	29.3	10.6	54	0.1	20.6	8.9	314	2.41	6.8	1.3	2.3	2.3	20	0.1	0.5	0.2	52	0.18	0.047
109594	Soil	1.8	41.9	9.2	65	<0.1	26.7	9.5	512	2.42	5.8	1.5	2.3	3.7	21	0.1	0.5	0.2	54	0.19	0.049
109595	Soil	1.8	32.0	9.2	66	0.1	21.9	7.7	337	2.38	5.4	1.3	3.3	2.9	19	0.2	0.4	0.2	50	0.16	0.048
109596	Soil	1.3	24.5	7.8	61	<0.1	21.9	11.8	539	2.27	5.5	0.9	11.7	3.1	14	0.2	0.4	0.1	46	0.14	0.045
109597	Soil	1.6	31.9	10.9	75	0.1	25.3	11.2	707	2.89	7.8	1.1	1.9	3.7	23	0.2	0.4	0.3	62	0.20	0.053
109598	Soil	1.4	32.6	9.0	67	0.1	21.0	10.2	583	2.33	5.6	1.3	3.3	3.5	22	0.2	0.3	0.2	50	0.22	0.049
109599	Soil	0.8	14.9	8.7	42	0.1	12.9	4.3	125	1.71	5.8	0.7	3.0	0.9	18	0.2	0.4	0.2	42	0.20	0.041
109600	Soil	1.8	46.5	7.7	96	0.2	33.7	15.8	765	2.79	3.9	1.5	1.4	3.4	55	0.3	0.3	0.2	48	0.40	0.051
117669	Soil	1.1	59.7	5.7	76	0.1	102.1	24.4	399	3.91	3.4	0.9	0.6	5.5	21	<0.1	0.2	0.1	113	0.32	0.080
117670	Soil	0.7	24.2	8.6	40	0.1	26.5	9.6	200	2.58	7.8	1.1	3.3	4.8	18	<0.1	0.5	0.2	57	0.21	0.036

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 10, 2011

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CERTIFICATE OF ANALYSIS

WHI11000680.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
109573	Soil	13	51	0.85	481	0.154	<1	1.76	0.016	0.33	0.1	0.02	5.5	0.2	<0.05	7	<0.5	<0.2
109574	Soil	14	41	0.65	423	0.112	<1	1.75	0.015	0.10	0.1	0.03	4.8	<0.1	<0.05	6	<0.5	<0.2
109575	Soil	14	42	0.65	392	0.110	<1	1.67	0.018	0.10	0.2	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
109576	Soil	11	47	0.81	400	0.156	<1	1.87	0.015	0.51	0.1	0.03	4.2	0.2	<0.05	6	<0.5	<0.2
109577	Soil	12	36	0.50	294	0.088	<1	1.52	0.017	0.07	0.2	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
109578	Soil	22	31	0.87	210	0.162	<1	1.84	0.008	0.51	0.1	0.01	4.8	0.5	<0.05	6	0.8	<0.2
109579	Soil	36	39	0.76	201	0.163	2	2.05	0.010	0.44	<0.1	0.04	5.0	0.3	<0.05	6	<0.5	<0.2
109580	Soil	15	36	0.98	264	0.210	<1	2.10	0.012	0.68	0.1	0.02	4.5	0.5	<0.05	7	<0.5	<0.2
109581	Soil	12	34	0.45	209	0.074	2	2.19	0.009	0.06	0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
109582	Soil	16	32	0.54	273	0.076	<1	1.69	0.014	0.06	0.1	0.04	4.5	<0.1	<0.05	5	<0.5	<0.2
109583	Soil	13	35	0.88	246	0.172	1	1.78	0.014	0.50	<0.1	0.03	4.6	0.3	<0.05	6	<0.5	<0.2
109584	Soil	20	32	0.42	170	0.051	1	1.52	0.008	0.13	0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
109585	Soil	20	34	1.01	224	0.229	<1	2.12	0.010	0.94	<0.1	<0.01	4.2	0.6	<0.05	7	<0.5	<0.2
109586	Soil	39	35	0.79	225	0.199	<1	1.74	0.006	0.77	0.1	0.02	5.3	0.5	<0.05	7	<0.5	<0.2
109587	Soil	17	35	0.57	213	0.114	1	1.86	0.012	0.10	0.1	0.01	3.8	0.1	<0.05	5	<0.5	<0.2
109588	Soil	14	34	0.48	192	0.098	<1	1.68	0.010	0.06	0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
109589	Soil	14	30	0.49	234	0.080	<1	1.54	0.011	0.08	0.1	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
109590	Soil	13	31	0.49	236	0.080	<1	1.45	0.010	0.09	0.1	0.03	3.5	<0.1	<0.05	5	0.8	<0.2
109591	Soil	16	32	0.56	209	0.099	1	1.73	0.009	0.14	0.1	0.03	3.9	0.1	<0.05	5	<0.5	<0.2
109592	Soil	16	34	0.54	195	0.099	1	1.71	0.011	0.08	0.1	0.02	4.3	0.1	<0.05	5	<0.5	<0.2
109593	Soil	15	30	0.44	214	0.074	<1	1.69	0.010	0.05	0.1	0.02	3.6	0.1	<0.05	5	<0.5	<0.2
109594	Soil	16	31	0.48	232	0.087	<1	1.55	0.009	0.08	0.1	0.03	4.1	0.1	<0.05	5	<0.5	<0.2
109595	Soil	14	29	0.46	179	0.079	1	1.61	0.010	0.06	0.1	0.03	3.3	0.1	<0.05	5	<0.5	<0.2
109596	Soil	13	28	0.39	148	0.073	<1	1.41	0.008	0.06	0.1	0.02	2.9	0.1	<0.05	4	<0.5	<0.2
109597	Soil	13	34	0.47	238	0.086	1	2.05	0.012	0.07	0.1	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
109598	Soil	13	26	0.45	193	0.073	<1	1.35	0.013	0.07	0.2	0.04	3.2	0.1	<0.05	4	<0.5	<0.2
109599	Soil	11	22	0.34	168	0.047	<1	1.28	0.009	0.04	0.2	0.04	1.8	<0.1	<0.05	5	<0.5	<0.2
109600	Soil	14	29	0.71	232	0.127	<1	1.49	0.015	0.37	0.1	0.02	3.1	0.2	0.06	5	1.0	<0.2
117669	Soil	8	233	1.82	307	0.300	<1	2.59	0.010	0.55	0.2	<0.01	3.9	0.3	<0.05	9	<0.5	<0.2
117670	Soil	15	42	0.56	272	0.085	<1	1.63	0.012	0.08	0.1	0.02	3.6	0.1	<0.05	5	<0.5	<0.2

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 1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Taku Gold Corp**  
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 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 10, 2011

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CERTIFICATE OF ANALYSIS

WHI11000680.1

Method Analyte	1DX15																				
	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	
117671	Soil	0.9	130.6	5.9	64	<0.1	123.8	24.9	615	4.14	7.4	2.0	1.4	13.2	35	0.1	0.2	0.2	117	0.50	0.087
117672	Soil	0.5	29.4	6.8	48	<0.1	114.5	19.2	310	3.18	4.5	0.7	1.8	5.7	23	<0.1	0.2	<0.1	82	0.28	0.041
117673	Soil	1.1	35.6	10.0	51	<0.1	25.6	9.6	239	2.80	10.4	2.3	5.8	8.5	21	<0.1	0.4	0.2	64	0.24	0.055
117674	Soil	1.0	33.0	8.1	46	<0.1	36.2	11.6	247	2.67	7.1	1.1	3.4	6.8	16	<0.1	0.3	0.1	66	0.22	0.053
117675	Soil	0.4	53.8	3.4	46	<0.1	254.8	29.4	299	3.52	3.1	1.1	<0.5	5.4	27	<0.1	0.2	<0.1	92	0.36	0.073
117676	Soil	0.9	43.0	7.0	62	0.1	42.5	10.1	368	2.75	9.7	0.8	5.0	4.8	31	<0.1	0.5	0.1	69	0.41	0.072
117677	Soil	1.0	32.2	8.2	75	<0.1	30.8	10.8	349	3.03	5.3	0.6	0.6	3.2	17	<0.1	0.3	0.1	76	0.16	0.023
117678	Soil	2.0	80.9	12.1	71	<0.1	44.8	14.4	665	3.08	8.1	1.5	3.0	4.3	24	<0.1	0.5	0.2	67	0.21	0.023
117679	Soil	1.5	68.3	9.4	99	0.1	28.6	8.4	557	4.06	2.2	1.5	2.5	2.8	26	<0.1	0.2	0.3	114	0.10	0.042
117680	Soil	1.4	59.0	11.8	65	0.1	35.3	10.1	303	3.02	10.9	0.9	2.2	4.8	17	<0.1	0.8	0.2	68	0.12	0.024
117681	Soil	2.1	66.1	17.9	110	<0.1	56.9	15.2	735	4.12	2.2	1.6	2.0	8.9	20	<0.1	0.3	0.2	82	0.20	0.064
117682	Soil	0.3	22.9	8.2	70	<0.1	35.4	16.8	198	4.28	0.6	1.1	2.2	5.4	18	<0.1	<0.1	0.2	51	0.21	0.047
117683	Soil	0.4	40.9	2.1	57	<0.1	4.9	15.1	471	3.90	0.7	1.9	<0.5	6.0	49	<0.1	<0.1	<0.1	101	0.77	0.229
117684	Soil	0.7	36.2	9.3	60	<0.1	27.3	15.4	302	3.00	3.9	0.7	1.5	16.0	26	<0.1	0.2	0.3	63	0.46	0.044
117685	Soil	0.4	29.3	5.1	49	<0.1	44.2	14.1	382	3.78	2.9	2.1	<0.5	17.1	35	<0.1	0.2	0.2	76	0.41	0.065
117686	Soil	0.6	28.5	8.8	91	<0.1	36.4	14.3	611	5.18	2.6	2.2	<0.5	21.1	64	<0.1	0.1	0.2	87	0.30	0.068
117687	Soil	0.8	28.3	10.3	98	<0.1	33.0	14.8	546	4.89	3.8	2.8	<0.5	21.6	55	<0.1	0.1	0.1	56	0.32	0.075
117688	Soil	0.7	31.4	8.7	62	<0.1	28.0	12.0	208	3.29	1.8	3.2	<0.5	22.2	9	<0.1	0.1	0.2	35	0.11	0.041
117689	Soil	0.6	40.0	14.3	85	<0.1	28.4	14.1	422	3.15	1.4	2.1	1.0	19.4	16	<0.1	<0.1	0.3	39	0.23	0.070
117690	Soil	0.5	31.1	13.4	79	<0.1	26.8	13.4	456	3.12	1.4	1.7	<0.5	15.9	20	<0.1	0.1	0.3	45	0.26	0.061
117691	Soil	0.9	25.8	10.3	72	<0.1	21.1	14.4	441	3.61	8.2	0.4	1.0	5.5	125	<0.1	0.4	0.1	88	0.46	0.050
117692	Soil	0.7	24.6	7.6	108	<0.1	11.1	15.4	834	4.69	7.6	1.6	<0.5	11.2	25	<0.1	0.3	<0.1	131	0.49	0.088
117693	Soil	0.5	33.6	5.5	87	<0.1	14.8	19.4	765	4.83	8.7	0.7	0.5	14.3	22	<0.1	0.3	<0.1	114	0.26	0.044
117694	Soil	0.4	32.8	5.8	58	<0.1	11.0	15.9	436	3.23	3.0	0.5	<0.5	4.2	32	<0.1	0.2	<0.1	90	0.60	0.098
117695	Soil	0.5	24.0	6.4	70	<0.1	10.7	19.5	674	4.18	1.8	0.6	<0.5	5.6	66	<0.1	0.1	<0.1	109	1.09	0.112
117696	Soil	0.8	16.7	11.5	72	<0.1	26.9	13.5	283	3.65	6.9	1.5	0.6	15.6	22	<0.1	0.5	0.2	66	0.22	0.019
117697	Soil	0.3	14.6	3.6	82	<0.1	7.0	18.2	1245	4.86	0.7	0.6	0.7	8.8	31	<0.1	<0.1	<0.1	103	0.45	0.086
117698	Soil	0.3	11.6	6.0	64	<0.1	8.4	15.8	976	4.23	1.3	1.0	0.6	6.6	74	<0.1	<0.1	<0.1	93	1.13	0.063
117699	Soil	1.5	16.0	8.4	75	<0.1	10.7	11.4	708	4.53	1.6	3.6	<0.5	38.5	29	<0.1	0.2	<0.1	68	0.25	0.041
117700	Soil	1.4	39.0	6.7	71	<0.1	9.5	9.6	538	3.96	2.0	3.1	0.8	12.3	39	<0.1	0.2	<0.1	65	0.56	0.074

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 10, 2011

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
117671	Soil	27	373	2.51	312	0.241	<1	2.63	0.011	0.74	0.1	<0.01	6.4	0.5	<0.05	11	<0.5	<0.2
117672	Soil	16	349	1.96	146	0.264	<1	2.59	0.012	0.30	0.2	<0.01	2.4	0.4	<0.05	8	<0.5	<0.2
117673	Soil	20	42	0.62	197	0.091	<1	1.90	0.013	0.06	0.2	0.03	3.5	0.2	<0.05	6	<0.5	<0.2
117674	Soil	11	77	0.80	217	0.151	<1	1.85	0.012	0.19	0.1	0.01	2.6	0.2	<0.05	6	<0.5	<0.2
117675	Soil	12	543	3.30	629	0.258	<1	3.01	0.018	1.09	0.2	<0.01	3.1	0.4	<0.05	8	<0.5	<0.2
117676	Soil	14	61	0.78	315	0.116	1	1.41	0.027	0.16	0.3	0.07	5.1	0.2	<0.05	5	<0.5	<0.2
117677	Soil	9	53	0.90	300	0.206	<1	1.92	0.011	0.51	0.2	<0.01	5.2	0.3	<0.05	7	<0.5	<0.2
117678	Soil	22	46	0.78	211	0.128	<1	1.60	0.011	0.25	0.2	0.02	8.8	0.2	<0.05	6	0.6	<0.2
117679	Soil	10	67	1.37	432	0.316	<1	2.51	0.019	1.02	<0.1	0.03	6.7	0.7	0.15	8	1.4	<0.2
117680	Soil	16	44	0.71	158	0.128	<1	1.99	0.011	0.14	0.2	0.02	5.8	0.1	<0.05	5	0.6	<0.2
117681	Soil	30	54	0.91	350	0.194	2	1.83	0.008	0.93	<0.1	0.02	5.2	0.5	<0.05	8	1.2	<0.2
117682	Soil	13	51	1.08	238	0.291	1	2.86	0.021	1.40	<0.1	<0.01	4.1	0.7	<0.05	10	<0.5	<0.2
117683	Soil	25	6	1.20	525	0.189	1	2.42	0.022	0.98	<0.1	<0.01	3.3	0.2	<0.05	8	0.5	<0.2
117684	Soil	11	83	0.90	206	0.182	2	2.07	0.013	0.29	0.1	<0.01	4.0	0.1	<0.05	9	<0.5	<0.2
117685	Soil	37	116	1.51	268	0.270	2	2.45	0.019	0.60	0.2	<0.01	8.5	0.3	<0.05	11	0.7	<0.2
117686	Soil	36	86	1.54	317	0.401	1	3.19	0.014	1.62	<0.1	<0.01	9.1	0.5	<0.05	14	0.6	<0.2
117687	Soil	14	50	1.15	393	0.350	2	3.17	0.016	1.45	<0.1	<0.01	5.1	0.7	<0.05	10	<0.5	<0.2
117688	Soil	49	37	0.96	151	0.189	<1	2.19	0.014	0.82	<0.1	<0.01	2.7	0.4	<0.05	8	<0.5	<0.2
117689	Soil	42	36	1.02	202	0.173	<1	2.06	0.011	0.78	<0.1	<0.01	3.8	0.4	<0.05	7	0.5	<0.2
117690	Soil	37	36	1.11	259	0.173	<1	2.27	0.015	0.83	<0.1	<0.01	4.0	0.4	<0.05	8	<0.5	<0.2
117691	Soil	7	32	1.04	341	0.204	1	3.16	0.017	0.28	0.1	<0.01	2.7	<0.1	<0.05	7	<0.5	<0.2
117692	Soil	23	26	1.54	319	0.286	<1	2.88	0.026	0.75	0.1	<0.01	10.1	0.2	<0.05	9	0.6	<0.2
117693	Soil	27	16	1.65	154	0.358	<1	3.02	0.014	1.27	<0.1	0.01	2.3	0.4	<0.05	9	<0.5	<0.2
117694	Soil	10	20	1.27	298	0.246	<1	2.17	0.022	0.46	0.1	<0.01	2.6	0.1	<0.05	6	<0.5	<0.2
117695	Soil	11	17	1.65	512	0.304	<1	3.47	0.020	0.68	<0.1	<0.01	3.1	0.1	<0.05	8	<0.5	<0.2
117696	Soil	35	48	1.02	268	0.205	<1	2.66	0.013	0.45	0.1	0.01	5.9	0.3	<0.05	8	0.6	<0.2
117697	Soil	18	13	1.63	282	0.210	<1	2.65	0.013	1.05	<0.1	<0.01	6.5	0.2	<0.05	9	<0.5	<0.2
117698	Soil	15	16	1.57	143	0.286	<1	3.59	0.021	0.46	<0.1	<0.01	5.5	0.1	<0.05	11	<0.5	<0.2
117699	Soil	50	14	0.94	205	0.168	<1	2.58	0.012	0.69	<0.1	0.01	7.1	0.4	<0.05	12	<0.5	<0.2
117700	Soil	38	19	0.94	153	0.204	<1	2.56	0.022	0.55	0.1	0.01	8.2	0.3	<0.05	10	0.9	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
117701	Soil	0.7	121.5	7.7	81	0.3	120.8	16.3	753	2.83	0.7	1.1	6.4	5.9	34	<0.1	<0.1	0.2	68	0.34	0.046
117702	Soil	1.1	69.3	12.0	83	0.2	75.4	12.8	622	3.45	2.8	1.3	2.1	8.1	23	<0.1	0.2	0.2	79	0.34	0.048
117703	Soil	0.9	58.6	20.9	72	<0.1	62.9	12.3	1210	3.31	2.0	1.4	0.6	10.5	37	<0.1	0.3	0.2	64	0.31	0.032
117704	Soil	0.6	46.1	9.7	45	0.1	40.3	10.0	314	2.40	8.8	1.8	4.7	2.5	38	<0.1	0.6	0.2	49	0.59	0.067
117705	Soil	0.1	82.3	1.0	8	<0.1	12.2	4.6	101	0.68	0.5	0.1	<0.5	0.3	6	<0.1	<0.1	<0.1	14	0.15	0.024
117706	Soil	0.2	58.6	2.3	10	<0.1	16.4	4.8	136	0.85	1.0	0.2	<0.5	0.6	8	<0.1	<0.1	<0.1	18	0.22	0.027
117707	Soil	<0.1	59.8	0.5	12	<0.1	17.4	4.5	85	0.64	<0.5	<0.1	<0.5	0.1	5	<0.1	<0.1	<0.1	15	0.18	0.031
117708	Soil	0.7	71.7	9.3	58	<0.1	41.5	7.2	276	2.29	2.5	0.6	2.3	3.2	19	<0.1	0.2	0.1	66	0.23	0.032
117709	Soil	0.5	76.2	2.2	24	0.1	31.3	6.3	502	1.35	<0.5	0.2	1.5	0.3	48	0.6	<0.1	<0.1	25	0.40	0.019
117710	Soil	0.3	31.2	4.3	16	<0.1	12.3	4.1	89	0.97	1.5	0.3	0.8	1.2	21	<0.1	0.1	<0.1	22	0.25	0.025
117711	Soil	0.3	54.4	4.1	23	<0.1	22.8	5.2	96	1.38	2.1	0.3	<0.5	1.5	15	<0.1	0.2	<0.1	27	0.29	0.028
117712	Soil	0.2	76.3	4.0	15	<0.1	23.4	5.2	119	1.08	0.8	0.1	1.9	0.6	9	<0.1	0.2	<0.1	25	0.25	0.036
117713	Soil	0.4	63.5	2.5	14	<0.1	28.3	5.8	197	1.03	0.6	0.1	1.3	0.4	9	<0.1	<0.1	<0.1	25	0.28	0.029
117714	Soil	0.4	68.5	5.1	29	<0.1	45.5	11.8	192	2.15	1.9	0.3	3.1	1.0	21	<0.1	0.3	<0.1	57	0.52	0.044
117715	Soil	0.4	84.4	3.6	17	<0.1	39.2	8.3	161	1.33	1.4	0.3	5.3	1.0	14	<0.1	0.2	<0.1	31	0.31	0.020
117716	Soil	0.7	55.1	10.7	79	0.1	36.7	9.7	463	2.78	4.1	0.8	1.6	7.2	14	0.1	0.3	0.2	60	0.28	0.046
117717	Soil	1.6	239.8	5.1	140	<0.1	100.7	15.1	686	3.76	1.6	1.5	1.3	4.4	33	0.2	0.1	0.2	225	0.57	0.127
117718	Soil	0.5	26.9	4.7	79	<0.1	32.0	5.0	121	2.55	0.9	0.9	<0.5	2.6	15	<0.1	<0.1	0.3	51	0.11	0.025
117719	Soil	0.4	39.2	2.9	45	<0.1	116.6	23.1	366	3.22	1.4	0.5	1.7	1.4	36	<0.1	0.1	<0.1	86	0.59	0.045
117720	Soil	0.6	39.9	3.7	53	<0.1	88.5	12.4	277	2.33	1.9	0.6	22.9	3.0	20	<0.1	0.1	<0.1	63	0.35	0.037
117721	Soil	0.6	30.7	4.8	96	<0.1	296.6	27.8	1417	3.94	2.1	1.1	0.7	4.5	28	0.2	<0.1	0.1	84	0.60	0.056
117722	Soil	0.4	46.3	6.6	64	<0.1	35.1	10.1	397	2.69	4.5	1.7	2.0	5.3	20	<0.1	0.2	0.1	69	0.32	0.058
117723	Soil	0.4	35.5	4.5	48	<0.1	23.3	7.6	225	1.98	3.0	0.7	1.2	3.7	14	<0.1	0.2	<0.1	50	0.23	0.044
117724	Soil	0.6	31.8	5.4	46	<0.1	20.1	6.8	281	2.09	3.9	0.6	2.1	3.8	16	0.1	0.3	<0.1	50	0.23	0.048
117725	Soil	0.6	28.7	6.0	75	0.1	18.4	4.6	173	2.90	1.8	1.2	2.3	3.0	9	0.2	0.1	0.1	49	0.12	0.026
117726	Soil	0.8	25.0	7.0	48	<0.1	17.5	6.0	153	1.96	5.2	1.0	3.4	3.9	22	<0.1	0.3	0.1	43	0.30	0.048
117727	Soil	0.9	28.6	6.5	49	<0.1	18.9	5.6	134	1.79	4.4	0.9	1.7	3.3	15	<0.1	0.4	0.1	35	0.16	0.032
117728	Soil	1.2	33.4	10.0	63	0.1	23.3	7.6	208	2.35	7.3	1.8	3.9	4.7	27	0.1	0.5	0.2	49	0.31	0.053
117729	Soil	1.5	40.1	10.1	71	0.2	27.7	8.3	252	2.49	8.0	1.4	1.6	4.4	30	0.2	0.5	0.2	46	0.32	0.053
117730	Soil	1.0	30.0	10.6	54	<0.1	23.4	8.4	435	2.04	10.8	0.8	4.3	5.6	22	0.2	0.7	0.2	43	0.26	0.048

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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
117701	Soil	16	84	1.76	1939	0.174	<1	2.30	0.037	0.97	<0.1	0.01	7.0	0.3	<0.05	9	0.6	<0.2
117702	Soil	23	90	1.64	862	0.206	<1	2.51	0.013	0.79	0.1	0.03	8.2	0.3	<0.05	9	1.0	<0.2
117703	Soil	30	54	1.44	1039	0.214	<1	2.96	0.019	0.84	0.1	0.04	8.0	0.4	<0.05	10	0.6	<0.2
117704	Soil	12	46	0.63	417	0.046	1	1.41	0.023	0.04	0.2	0.05	3.7	<0.1	<0.05	4	1.1	<0.2
117705	Soil	<1	22	0.34	43	0.016	<1	0.53	0.011	<0.01	<0.1	<0.01	1.4	<0.1	<0.05	1	<0.5	<0.2
117706	Soil	3	38	0.42	63	0.047	<1	0.61	0.014	0.02	<0.1	<0.01	1.9	<0.1	<0.05	2	<0.5	<0.2
117707	Soil	1	40	0.45	70	0.057	<1	0.49	0.012	0.09	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
117708	Soil	12	63	0.68	301	0.107	<1	1.28	0.014	0.33	<0.1	<0.01	4.5	0.2	<0.05	5	0.7	<0.2
117709	Soil	1	17	0.27	376	0.029	<1	0.97	0.014	0.06	<0.1	0.02	4.7	<0.1	<0.05	2	0.7	<0.2
117710	Soil	4	16	0.25	137	0.037	<1	0.76	0.016	0.03	<0.1	<0.01	2.3	<0.1	<0.05	2	<0.5	<0.2
117711	Soil	5	42	0.42	125	0.063	<1	0.92	0.017	0.03	<0.1	0.02	3.0	<0.1	<0.05	3	0.9	<0.2
117712	Soil	2	42	0.39	85	0.054	<1	0.72	0.015	0.05	<0.1	0.01	2.8	<0.1	<0.05	2	<0.5	<0.2
117713	Soil	1	45	0.44	90	0.033	<1	0.64	0.019	0.02	<0.1	<0.01	3.4	<0.1	<0.05	2	<0.5	<0.2
117714	Soil	3	98	0.86	156	0.044	<1	1.27	0.023	0.03	<0.1	0.02	6.5	<0.1	<0.05	4	<0.5	<0.2
117715	Soil	3	49	0.62	140	0.041	<1	1.13	0.018	0.05	<0.1	0.03	4.3	<0.1	<0.05	3	0.5	<0.2
117716	Soil	22	47	1.00	585	0.161	1	1.92	0.014	0.77	<0.1	0.03	5.0	0.3	<0.05	6	<0.5	<0.2
117717	Soil	19	188	1.51	1221	0.159	<1	2.31	0.017	0.67	<0.1	<0.01	10.8	0.4	<0.05	8	0.8	<0.2
117718	Soil	7	87	1.30	3200	0.149	<1	1.85	0.027	0.95	<0.1	<0.01	10.1	0.3	<0.05	9	0.5	<0.2
117719	Soil	7	195	3.27	854	0.153	<1	2.91	0.024	0.50	<0.1	0.01	8.2	0.2	<0.05	8	<0.5	<0.2
117720	Soil	11	207	1.58	536	0.098	<1	1.75	0.014	0.26	<0.1	<0.01	6.5	0.2	<0.05	6	0.7	<0.2
117721	Soil	14	470	2.78	1358	0.074	<1	2.85	0.013	0.32	<0.1	0.02	10.1	0.2	<0.05	11	<0.5	<0.2
117722	Soil	17	55	1.10	731	0.153	<1	1.87	0.010	0.55	0.2	0.03	6.3	0.2	<0.05	7	<0.5	<0.2
117723	Soil	12	40	0.74	428	0.105	<1	1.26	0.009	0.36	<0.1	0.02	4.7	0.1	<0.05	4	0.5	<0.2
117724	Soil	12	30	0.61	446	0.107	<1	1.14	0.009	0.36	0.1	<0.01	4.6	0.1	<0.05	4	<0.5	<0.2
117725	Soil	9	18	1.22	526	0.143	<1	1.98	0.008	0.92	<0.1	0.02	4.2	0.3	<0.05	6	<0.5	<0.2
117726	Soil	13	26	0.53	297	0.077	1	1.12	0.011	0.08	0.2	0.02	2.7	0.1	<0.05	4	0.5	<0.2
117727	Soil	11	25	0.31	221	0.057	<1	0.84	0.006	0.11	<0.1	0.04	2.6	0.1	<0.05	3	0.9	<0.2
117728	Soil	15	33	0.52	356	0.077	1	1.34	0.013	0.11	0.2	0.09	3.6	0.1	<0.05	4	0.8	<0.2
117729	Soil	14	36	0.47	470	0.070	<1	1.45	0.016	0.13	0.1	0.15	3.8	0.1	<0.05	5	0.9	<0.2
117730	Soil	12	26	0.41	310	0.061	2	1.04	0.012	0.11	0.1	0.03	3.6	0.1	<0.05	3	0.6	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 10, 2011

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CERTIFICATE OF ANALYSIS

WHI11000680.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
104533	Soil	1.5	70.9	7.6	96	<0.1	53.0	13.7	488	4.70	5.7	1.3	<0.5	13.9	21	<0.1	0.3	0.1	170	0.23	0.039
104534	Soil	1.4	42.4	8.9	77	<0.1	67.2	16.2	510	4.29	6.6	0.5	<0.5	4.4	23	<0.1	0.3	0.1	120	0.28	0.063
104535	Soil	1.3	34.4	10.9	74	0.1	31.4	10.5	422	2.99	10.1	0.7	2.7	4.6	30	0.1	0.7	0.2	63	0.38	0.051
104536	Soil	1.1	59.0	3.7	115	<0.1	67.4	20.7	484	5.37	1.6	0.9	<0.5	2.7	25	<0.1	<0.1	<0.1	137	0.62	0.209
104537	Soil	1.1	18.4	11.0	52	<0.1	26.4	9.0	239	3.08	9.1	0.7	2.1	4.3	14	<0.1	0.4	0.2	70	0.13	0.026
104538	Soil	0.9	40.2	11.5	61	<0.1	35.0	11.3	466	2.96	9.7	1.2	2.4	4.8	26	<0.1	0.5	0.2	63	0.24	0.041
104539	Soil	1.5	35.2	15.0	94	<0.1	22.5	8.4	345	3.67	3.1	0.9	1.2	3.2	15	<0.1	0.4	0.2	58	0.06	0.020
104540	Soil	0.9	25.1	11.1	64	<0.1	14.1	5.6	459	2.44	2.5	1.0	0.6	8.7	9	<0.1	0.3	<0.1	40	0.05	0.015
104541	Soil	1.0	42.5	8.7	108	<0.1	23.0	8.8	628	4.32	2.0	1.2	1.1	6.6	18	<0.1	0.2	<0.1	70	0.16	0.026
104542	Soil	0.2	7.4	2.1	29	<0.1	443.4	33.0	171	1.87	28.1	0.3	0.6	2.1	23	<0.1	0.3	<0.1	36	0.41	0.034
104543	Soil	0.8	31.0	3.8	88	<0.1	18.7	13.5	369	3.87	2.5	0.9	0.8	4.2	11	<0.1	0.1	0.1	149	0.32	0.111
104544	Soil	0.9	26.5	6.3	75	0.1	19.9	7.7	402	2.72	4.0	0.7	0.9	3.5	18	0.2	0.2	0.1	60	0.21	0.042
104545	Soil	0.8	21.6	3.9	75	<0.1	11.3	7.1	392	3.21	2.3	0.4	<0.5	2.3	5	<0.1	0.1	0.1	60	0.06	0.030
104546	Soil	1.8	17.3	10.7	57	0.1	17.4	7.4	231	3.27	10.6	0.7	6.0	4.5	11	<0.1	0.5	0.2	69	0.10	0.034
104547	Soil	1.7	34.4	10.1	84	<0.1	34.7	8.4	304	3.70	3.3	0.8	<0.5	3.9	11	<0.1	0.2	0.2	91	0.12	0.049
104548	Soil	0.8	37.3	8.4	94	<0.1	30.5	10.9	231	3.78	2.0	0.7	<0.5	4.7	12	<0.1	0.1	0.1	84	0.16	0.034
104549	Soil	0.8	32.5	7.6	72	<0.1	26.1	7.6	216	2.92	1.3	0.7	0.6	4.9	10	<0.1	<0.1	0.2	52	0.12	0.026
104550	Soil	1.4	34.1	8.3	76	0.1	32.7	9.2	319	3.66	3.6	0.6	<0.5	3.3	16	<0.1	0.1	0.3	92	0.10	0.024
104551	Soil	0.9	23.0	8.8	66	0.1	17.8	8.2	275	2.87	7.3	1.0	1.3	4.6	14	<0.1	0.4	0.2	57	0.13	0.027
104552	Soil	0.6	28.4	3.8	76	<0.1	11.5	11.1	267	3.42	1.9	0.5	<0.5	3.4	4	<0.1	0.1	0.1	88	0.05	0.032
104553	Soil	1.4	22.9	10.7	82	0.2	16.9	8.6	952	3.00	2.9	0.7	2.7	4.8	10	0.1	0.2	0.2	56	0.16	0.053
104554	Soil	1.5	14.8	10.5	67	0.2	16.7	8.4	260	3.18	8.3	0.5	0.7	3.7	9	<0.1	0.4	0.2	64	0.08	0.024
104555	Soil	1.0	39.0	6.2	89	<0.1	18.8	8.1	164	3.77	3.3	0.8	1.4	3.3	13	<0.1	0.2	0.2	75	0.11	0.031
104556	Soil	1.2	23.7	9.7	82	0.1	17.6	8.5	217	3.32	5.7	0.7	1.6	3.4	10	<0.1	0.3	0.2	55	0.13	0.040
104557	Soil	1.0	12.6	7.7	92	0.2	13.9	9.1	797	2.78	2.8	0.4	1.5	3.1	13	0.2	0.2	0.2	50	0.15	0.058
104558	Soil	0.5	32.2	20.0	70	<0.1	27.8	11.5	423	3.46	1.2	1.3	1.6	18.9	29	<0.1	<0.1	0.2	41	0.35	0.035
104559	Soil	2.2	45.1	5.9	97	0.2	23.5	10.6	276	4.43	1.9	0.6	0.7	1.8	21	<0.1	0.2	0.2	77	0.16	0.034
104560	Soil	0.8	72.9	6.6	60	<0.1	140.0	21.1	208	3.57	5.1	0.8	0.5	4.9	14	<0.1	0.2	<0.1	101	0.28	0.079
104561	Soil	0.7	54.9	2.8	76	<0.1	75.0	19.2	606	4.03	1.5	1.4	1.3	7.3	17	<0.1	<0.1	<0.1	114	0.39	0.075
104562	Soil	0.6	95.1	3.1	38	<0.1	34.8	21.5	264	3.87	1.9	1.0	1.9	2.6	21	<0.1	0.2	<0.1	123	1.24	0.346

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 10, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
104533	Soil	26	132	1.76	339	0.304	<1	3.32	0.013	1.03	0.1	<0.01	11.2	0.6	<0.05	12	1.0	<0.2
104534	Soil	10	198	1.78	384	0.260	1	3.26	0.011	0.59	0.1	<0.01	7.2	0.4	<0.05	11	<0.5	<0.2
104535	Soil	15	42	0.63	429	0.090	1	1.69	0.020	0.12	0.2	0.04	5.2	0.1	<0.05	5	0.5	<0.2
104536	Soil	18	78	1.82	786	0.186	<1	3.21	0.017	1.44	0.1	0.01	13.7	0.4	<0.05	11	0.7	<0.2
104537	Soil	11	48	0.51	239	0.084	<1	2.20	0.009	0.10	0.1	0.01	3.2	0.1	<0.05	7	<0.5	<0.2
104538	Soil	18	44	0.59	320	0.091	1	1.88	0.012	0.12	0.1	0.05	5.8	0.1	<0.05	6	0.5	<0.2
104539	Soil	10	20	0.20	175	0.034	<1	0.89	0.005	0.04	<0.1	0.03	5.9	<0.1	<0.05	3	0.6	<0.2
104540	Soil	21	18	0.42	166	0.107	<1	1.26	0.005	0.35	<0.1	<0.01	5.6	0.2	<0.05	5	<0.5	<0.2
104541	Soil	25	28	0.99	531	0.275	<1	2.30	0.010	1.04	0.1	0.02	13.3	0.3	<0.05	9	<0.5	<0.2
104542	Soil	8	768	3.66	219	0.061	<1	1.84	0.008	0.04	<0.1	<0.01	2.9	0.2	<0.05	4	<0.5	<0.2
104543	Soil	14	25	0.95	490	0.159	<1	2.10	0.008	0.70	0.1	<0.01	10.4	0.2	<0.05	7	0.6	<0.2
104544	Soil	10	27	0.77	295	0.114	<1	1.94	0.011	0.48	0.1	0.01	5.2	0.1	<0.05	6	<0.5	<0.2
104545	Soil	9	17	0.61	242	0.180	<1	1.72	0.006	0.69	<0.1	<0.01	7.4	0.2	<0.05	6	<0.5	<0.2
104546	Soil	10	35	0.48	148	0.085	1	2.01	0.008	0.11	0.1	0.03	3.1	0.1	<0.05	6	0.5	<0.2
104547	Soil	8	53	0.81	182	0.130	<1	2.75	0.006	0.51	<0.1	<0.01	4.5	0.3	<0.05	8	0.8	<0.2
104548	Soil	16	32	1.10	315	0.163	<1	2.63	0.009	0.79	<0.1	<0.01	5.4	0.3	<0.05	8	0.5	<0.2
104549	Soil	14	28	0.86	219	0.125	<1	2.12	0.006	0.48	<0.1	<0.01	4.2	0.3	<0.05	7	0.7	<0.2
104550	Soil	6	39	0.95	361	0.166	<1	2.89	0.009	0.65	0.1	0.01	7.6	0.2	<0.05	8	0.8	<0.2
104551	Soil	18	30	0.53	236	0.077	<1	1.85	0.011	0.12	0.1	0.02	5.0	<0.1	<0.05	6	<0.5	<0.2
104552	Soil	7	19	0.78	225	0.182	<1	1.62	0.006	0.61	<0.1	<0.01	10.1	0.2	<0.05	7	<0.5	<0.2
104553	Soil	10	25	0.55	178	0.054	<1	1.44	0.007	0.24	<0.1	<0.01	2.8	<0.1	<0.05	7	0.7	<0.2
104554	Soil	9	32	0.49	230	0.084	<1	1.96	0.010	0.14	0.1	0.01	3.5	<0.1	<0.05	6	0.7	<0.2
104555	Soil	7	28	0.81	412	0.155	<1	2.32	0.010	0.73	<0.1	<0.01	6.5	0.2	<0.05	7	0.9	<0.2
104556	Soil	8	26	0.59	287	0.129	1	1.95	0.010	0.47	0.1	<0.01	4.5	0.2	<0.05	6	<0.5	<0.2
104557	Soil	7	20	0.56	252	0.132	<1	1.78	0.010	0.21	<0.1	0.01	3.3	0.2	<0.05	6	<0.5	<0.2
104558	Soil	55	38	0.85	244	0.168	1	2.58	0.016	0.69	<0.1	0.03	5.3	0.5	<0.05	8	<0.5	<0.2
104559	Soil	5	28	0.88	543	0.204	<1	2.31	0.019	1.00	<0.1	<0.01	6.8	0.3	0.06	8	0.9	<0.2
104560	Soil	10	348	1.83	386	0.177	<1	2.26	0.012	0.52	<0.1	<0.01	3.8	0.3	<0.05	7	<0.5	<0.2
104561	Soil	19	223	2.19	752	0.273	<1	2.71	0.012	1.05	<0.1	<0.01	10.4	0.3	<0.05	10	1.1	<0.2
104562	Soil	11	87	1.40	395	0.100	<1	1.80	0.023	0.78	<0.1	0.01	5.9	0.4	<0.05	6	0.7	<0.2

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 1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
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www.acmelab.com

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	%	%	
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	
104563	Soil	1.7	69.7	8.4	68	0.1	42.5	10.4	572	2.32	2.4	1.1	1.0	3.1	21	0.1	0.2	0.2	36	0.08	0.017
104564	Soil	1.1	47.7	7.7	37	<0.1	30.0	9.0	155	2.05	4.6	0.6	3.4	2.8	19	<0.1	0.3	<0.1	48	0.38	0.036
104565	Soil	0.7	48.8	6.2	33	<0.1	40.9	10.3	219	2.18	4.2	0.6	9.7	2.5	19	<0.1	0.3	<0.1	48	0.40	0.040
104566	Soil	0.9	28.1	9.1	39	<0.1	27.4	8.7	202	2.25	7.0	0.7	3.7	3.7	22	0.1	0.3	0.1	50	0.40	0.047
104567	Soil	0.8	25.3	7.5	44	0.1	24.2	8.2	356	2.26	7.5	0.9	2.9	3.8	28	0.2	0.4	0.1	53	0.50	0.064
104568	Soil	1.1	24.9	8.1	47	0.1	23.7	8.5	377	2.26	7.2	1.5	18.2	4.1	28	0.2	0.5	0.1	50	0.47	0.062
104569	Soil	0.8	23.9	8.0	42	<0.1	19.8	8.3	241	2.11	6.1	1.3	5.5	4.4	25	0.1	0.4	0.1	48	0.41	0.056
104570	Soil	0.8	25.4	7.9	51	<0.1	23.2	9.4	344	2.42	8.2	1.2	4.8	4.1	32	0.1	0.5	0.1	56	0.59	0.065
104571	Soil	0.5	15.5	5.2	42	<0.1	16.9	7.3	313	1.87	5.8	0.6	0.9	3.8	26	<0.1	0.4	<0.1	41	0.47	0.074
104572	Soil	1.2	26.9	10.0	54	0.1	25.1	10.6	488	2.53	9.8	0.8	6.5	4.8	33	0.3	0.6	0.1	58	0.59	0.064
104573	Soil	0.9	29.6	9.9	55	0.1	25.6	11.2	509	2.62	9.9	1.0	2.7	5.2	34	0.1	0.6	0.1	55	0.53	0.060
104574	Soil	0.9	31.8	9.6	58	0.2	25.4	10.5	463	2.59	9.8	1.0	2.9	4.8	39	<0.1	0.7	0.2	55	0.63	0.063
104575	Soil	1.2	24.7	8.9	51	0.1	20.2	11.0	531	2.48	8.3	1.9	1.9	4.4	33	0.2	0.5	0.1	53	0.52	0.063
104576	Soil	0.9	30.2	9.5	59	0.1	26.7	10.9	473	2.56	10.5	0.9	2.6	4.7	39	0.2	0.6	0.1	53	0.71	0.064
104577	Soil	0.8	29.3	9.3	61	0.1	27.1	9.7	374	2.41	10.4	0.6	3.3	4.5	41	0.3	0.6	0.1	47	1.03	0.070
104578	Soil	0.8	30.0	8.2	54	0.1	27.4	9.7	380	2.47	10.4	0.9	1.7	4.1	40	0.1	0.5	0.1	51	0.93	0.065
104579	Soil	0.6	28.6	8.5	49	0.1	26.0	9.5	363	2.42	9.8	0.8	2.7	4.2	38	0.1	0.6	0.1	50	0.71	0.064
104580	Soil	0.6	26.8	9.3	50	<0.1	25.8	8.2	245	2.40	8.4	0.7	8.4	4.9	29	<0.1	0.6	0.1	50	0.51	0.053
104581	Soil	1.3	31.3	12.7	75	0.1	32.7	11.4	513	2.74	12.9	0.6	3.1	6.7	32	0.3	0.8	0.2	42	1.09	0.087
104582	Soil	1.1	34.5	10.8	65	0.1	31.0	10.7	498	2.55	11.9	0.6	4.2	5.6	31	0.3	0.8	0.1	44	1.03	0.072
104583	Soil	0.3	59.2	6.1	53	<0.1	87.2	18.1	280	2.91	3.7	0.5	2.4	4.0	24	<0.1	0.3	0.1	63	0.50	0.027
104584	Soil	0.3	66.5	3.6	35	<0.1	152.6	20.6	140	2.55	2.8	0.3	2.2	1.2	23	<0.1	0.1	<0.1	57	0.51	0.010
104585	Soil	0.7	167.8	2.7	28	0.3	1644	84.7	1169	3.53	5.8	0.5	4.6	1.2	24	<0.1	0.5	0.3	33	0.57	0.011
104586	Soil	3.6	96.8	7.0	326	<0.1	112.6	25.4	872	5.00	8.7	2.0	5.1	3.9	18	0.8	0.2	0.2	301	0.31	0.059
104587	Soil	1.0	86.8	10.7	121	<0.1	41.7	18.6	1185	4.94	3.0	1.1	1.8	7.6	16	0.3	0.2	<0.1	69	0.39	0.101
104588	Soil	0.5	124.1	6.9	190	0.3	204.3	24.1	737	3.61	0.6	0.8	3.5	8.4	21	0.1	<0.1	0.1	150	0.52	0.061
104589	Soil	1.2	29.1	7.9	32	<0.1	18.5	6.2	183	2.15	6.0	0.7	6.9	3.5	21	<0.1	0.4	0.1	48	0.25	0.023
104590	Soil	1.4	30.1	8.3	33	<0.1	19.2	6.2	188	2.16	5.9	0.7	5.5	3.6	21	<0.1	0.4	0.2	47	0.25	0.022
104591	Soil	1.4	54.3	6.5	32	<0.1	17.6	4.5	100	2.06	4.2	0.7	3.0	3.7	16	<0.1	0.4	0.1	41	0.17	0.016
104592	Soil	0.9	39.0	7.8	43	0.1	28.2	10.2	293	2.67	9.4	0.5	3.6	4.3	27	<0.1	0.6	0.1	65	0.35	0.017

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 10, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
104563	Soil	7	22	0.14	224	0.019	<1	0.49	0.004	0.05	<0.1	0.04	3.7	0.1	<0.05	2	<0.5	<0.2
104564	Soil	9	54	0.59	220	0.062	1	1.36	0.021	0.03	<0.1	0.02	4.4	<0.1	<0.05	4	<0.5	<0.2
104565	Soil	8	63	0.70	216	0.061	<1	1.32	0.020	0.04	<0.1	0.02	5.4	<0.1	<0.05	4	<0.5	<0.2
104566	Soil	11	42	0.47	254	0.065	<1	1.31	0.020	0.04	0.2	0.03	3.9	<0.1	<0.05	4	0.6	<0.2
104567	Soil	12	34	0.47	283	0.067	<1	1.22	0.025	0.04	0.3	0.04	3.7	<0.1	<0.05	4	0.8	<0.2
104568	Soil	13	32	0.44	297	0.068	1	1.16	0.024	0.04	0.2	0.03	3.3	<0.1	<0.05	4	0.6	<0.2
104569	Soil	14	31	0.44	312	0.061	<1	1.35	0.019	0.04	0.2	0.05	3.7	<0.1	<0.05	4	0.5	<0.2
104570	Soil	13	30	0.48	259	0.074	<1	1.29	0.026	0.05	0.2	0.03	3.8	<0.1	<0.05	4	0.7	<0.2
104571	Soil	12	22	0.42	184	0.063	2	0.95	0.026	0.04	0.2	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
104572	Soil	15	29	0.48	347	0.082	<1	1.39	0.028	0.05	0.3	0.04	3.8	<0.1	<0.05	4	0.6	<0.2
104573	Soil	15	31	0.46	396	0.075	<1	1.49	0.020	0.05	0.2	0.04	4.5	<0.1	<0.05	5	0.6	<0.2
104574	Soil	15	29	0.51	398	0.076	<1	1.58	0.030	0.05	0.1	0.06	4.3	<0.1	<0.05	4	<0.5	<0.2
104575	Soil	15	29	0.45	321	0.069	<1	1.57	0.022	0.04	0.2	0.04	4.1	<0.1	<0.05	5	0.6	<0.2
104576	Soil	15	30	0.52	394	0.070	<1	1.46	0.023	0.05	0.2	0.04	4.1	<0.1	<0.05	4	0.6	<0.2
104577	Soil	14	26	0.54	343	0.067	<1	1.25	0.024	0.06	0.2	0.03	3.7	<0.1	<0.05	4	0.5	<0.2
104578	Soil	14	28	0.54	331	0.063	<1	1.21	0.023	0.06	0.2	0.04	4.1	<0.1	<0.05	4	<0.5	<0.2
104579	Soil	14	29	0.51	345	0.059	<1	1.24	0.023	0.05	0.2	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
104580	Soil	15	31	0.51	331	0.068	1	1.50	0.021	0.05	0.2	0.04	4.2	<0.1	<0.05	4	<0.5	<0.2
104581	Soil	18	33	0.61	358	0.063	<1	1.10	0.014	0.08	0.2	0.05	3.7	<0.1	<0.05	4	<0.5	<0.2
104582	Soil	15	32	0.59	333	0.065	<1	1.07	0.016	0.07	0.2	0.05	3.5	<0.1	<0.05	4	<0.5	<0.2
104583	Soil	14	168	1.69	548	0.160	<1	2.29	0.018	0.28	<0.1	0.03	7.3	0.3	<0.05	7	<0.5	<0.2
104584	Soil	6	230	2.39	342	0.139	<1	2.47	0.021	0.07	<0.1	<0.01	5.0	0.1	<0.05	6	<0.5	<0.2
104585	Soil	4	315	1.57	203	0.022	<1	1.04	0.003	0.02	<0.1	0.05	6.3	0.6	<0.05	3	0.6	<0.2
104586	Soil	25	176	1.49	538	0.280	<1	3.05	0.010	0.82	0.1	0.06	12.4	0.5	<0.05	12	1.1	<0.2
104587	Soil	34	31	0.34	380	0.003	<1	0.93	0.007	0.13	<0.1	0.07	9.0	0.2	<0.05	3	<0.5	<0.2
104588	Soil	18	180	1.90	1620	0.185	<1	2.36	0.012	0.56	<0.1	0.06	10.1	0.4	<0.05	10	<0.5	<0.2
104589	Soil	11	28	0.27	278	0.049	2	1.38	0.010	0.05	0.1	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
104590	Soil	11	30	0.27	286	0.051	1	1.42	0.011	0.06	0.1	0.04	3.9	0.1	<0.05	4	<0.5	<0.2
104591	Soil	11	27	0.30	273	0.055	<1	1.19	0.007	0.12	<0.1	0.04	3.3	0.2	<0.05	4	<0.5	<0.2
104592	Soil	14	37	0.45	505	0.071	<1	1.70	0.017	0.05	0.2	0.05	5.9	<0.1	<0.05	5	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
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CERTIFICATE OF ANALYSIS

WHI11000680.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	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	2	0.01	0.001	
104593	Soil		1.1	41.4	7.1	41	0.1	25.6	10.2	293	2.44	9.8	0.6	3.2	4.3	22	<0.1	0.6	0.1	60	0.32	0.015
104594	Soil		0.8	54.4	6.0	31	<0.1	14.6	2.6	94	1.65	2.8	0.8	3.2	3.1	20	<0.1	0.3	0.1	34	0.12	0.021
104595	Soil		1.2	28.6	7.5	63	0.2	28.5	8.9	256	2.30	7.1	0.6	3.6	2.9	15	<0.1	0.4	0.2	45	0.13	0.035
104596	Soil		1.8	45.3	7.7	101	<0.1	66.0	21.6	1688	5.20	1.9	1.6	3.6	5.0	41	0.1	0.2	0.1	74	0.82	0.253
104597	Soil		1.8	52.8	6.4	36	<0.1	21.2	4.1	175	2.53	4.7	1.2	2.2	3.3	16	<0.1	0.3	0.2	47	0.15	0.034
104598	Soil		0.6	68.0	10.0	89	<0.1	16.6	6.2	252	2.71	1.0	0.9	1.8	3.4	24	<0.1	0.4	0.1	37	0.14	0.028
104599	Soil		6.5	114.9	7.7	141	<0.1	65.2	14.3	2100	3.08	2.1	3.1	4.1	4.9	13	0.9	0.5	0.2	66	0.14	0.037
104600	Soil		2.7	150.6	13.8	92	<0.1	33.1	13.6	693	3.55	2.5	2.3	2.6	6.7	45	<0.1	0.4	0.4	124	0.49	0.164
104601	Soil		0.8	87.3	5.9	104	<0.1	37.4	13.2	310	2.93	1.6	1.8	2.0	4.6	16	<0.1	0.2	0.2	47	0.19	0.026
104602	Soil		5.7	87.4	15.5	75	<0.1	25.6	7.1	171	2.69	5.2	3.7	2.4	5.4	41	0.2	0.3	0.3	60	0.17	0.038
104603	Soil		0.8	33.1	7.4	74	<0.1	22.7	7.8	245	3.14	4.7	1.1	2.5	4.7	18	<0.1	0.3	0.2	59	0.27	0.029
103581	Soil		0.9	16.8	7.2	54	<0.1	20.0	9.9	305	3.14	10.0	0.5	1.7	4.8	17	<0.1	0.5	0.1	62	0.19	0.026
103582	Soil		1.4	31.3	9.4	83	0.2	32.0	11.4	315	3.65	9.3	0.5	1.1	4.4	20	0.1	0.5	0.2	105	0.25	0.029
103583	Soil		0.6	28.3	7.2	80	<0.1	25.7	13.2	523	4.26	5.7	1.3	2.8	11.0	14	<0.1	0.3	0.2	87	0.17	0.021
103584	Soil		0.5	17.6	10.7	74	<0.1	29.1	19.4	541	4.94	3.5	1.0	1.1	8.7	41	<0.1	0.2	<0.1	107	0.43	0.038
103585	Soil		1.6	111.5	11.5	122	<0.1	24.9	10.0	1119	4.07	3.9	1.2	1.8	3.0	19	<0.1	0.2	0.3	90	0.09	0.036
103586	Soil		1.3	29.1	10.1	92	<0.1	38.4	11.6	893	3.35	7.7	0.4	0.9	2.9	14	<0.1	0.4	0.1	86	0.17	0.066
103587	Soil		2.1	23.2	8.8	76	0.3	34.9	13.3	915	2.82	8.8	0.4	<0.5	2.6	15	0.1	0.4	0.1	79	0.18	0.037
103588	Soil		2.0	39.1	10.3	103	0.4	58.3	11.8	1268	3.24	9.9	0.6	1.0	2.3	20	0.2	0.5	0.1	76	0.21	0.055
103589	Soil		1.0	15.4	5.8	83	<0.1	13.9	13.7	1009	3.90	4.4	0.9	<0.5	7.6	22	<0.1	0.3	<0.1	87	0.32	0.056
103590	Soil		0.9	15.8	5.8	79	<0.1	14.7	13.6	980	3.67	4.4	0.8	1.4	7.1	22	<0.1	0.3	<0.1	83	0.33	0.049
103591	Soil		0.2	27.2	6.3	79	<0.1	29.9	11.8	281	3.98	2.2	2.0	1.1	20.5	13	<0.1	0.2	0.1	48	0.24	0.058
103592	Soil		0.9	11.5	7.0	52	<0.1	17.9	11.3	615	2.93	5.0	0.5	3.8	4.6	19	<0.1	0.3	0.1	64	0.26	0.045
103593	Soil		0.6	29.1	7.4	56	<0.1	31.3	14.6	449	3.26	7.3	0.6	1.1	6.2	33	0.1	0.3	0.1	69	0.42	0.036
103594	Soil		0.3	6.9	3.0	24	<0.1	200.4	21.5	147	2.06	2.8	0.2	<0.5	1.5	20	<0.1	<0.1	<0.1	29	0.44	0.020
103595	Soil		0.7	18.3	4.8	64	<0.1	19.9	14.2	379	3.08	4.8	0.4	4.0	3.6	17	<0.1	0.2	<0.1	76	0.32	0.055
103596	Soil		1.4	88.2	7.1	147	<0.1	67.4	18.4	744	6.65	3.8	0.7	0.9	2.5	30	<0.1	0.1	<0.1	222	0.21	0.048
103597	Soil		1.7	88.5	11.9	137	<0.1	202.2	22.1	713	5.76	7.8	1.0	<0.5	5.2	17	<0.1	0.2	<0.1	158	0.19	0.021
103598	Soil		1.4	47.6	7.4	75	0.1	71.2	21.6	381	4.68	6.3	0.9	1.1	5.7	13	<0.1	0.3	<0.1	102	0.13	0.026
103599	Soil		0.8	40.6	4.8	50	<0.1	59.9	17.9	423	3.04	4.1	1.0	0.5	7.3	10	<0.1	0.2	<0.1	83	0.30	0.103

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
104593	Soil	14	35	0.38	358	0.065	<1	1.44	0.016	0.05	0.2	0.04	6.1	<0.1	<0.05	4	<0.5	<0.2
104594	Soil	9	33	0.24	368	0.031	<1	0.79	0.004	0.14	<0.1	0.02	3.7	0.1	<0.05	3	<0.5	<0.2
104595	Soil	6	24	0.27	216	0.034	<1	1.07	0.007	0.07	0.1	0.01	2.3	0.1	0.05	3	0.5	<0.2
104596	Soil	38	41	1.83	2868	0.168	2	2.70	0.012	0.92	<0.1	0.05	5.4	0.3	<0.05	11	<0.5	<0.2
104597	Soil	7	31	0.24	245	0.038	1	0.79	0.005	0.10	0.1	0.02	4.4	<0.1	<0.05	3	0.9	<0.2
104598	Soil	6	32	0.99	524	0.143	<1	1.77	0.011	0.95	<0.1	0.02	4.2	0.4	0.08	6	<0.5	<0.2
104599	Soil	19	34	0.36	469	0.037	<1	1.24	0.003	0.18	<0.1	0.05	5.3	0.2	<0.05	4	0.6	<0.2
104600	Soil	24	55	0.94	385	0.166	1	1.90	0.009	0.69	<0.1	0.02	5.0	0.4	0.08	6	0.7	<0.2
104601	Soil	12	34	0.91	337	0.137	1	1.64	0.009	0.64	<0.1	0.02	3.3	0.5	<0.05	5	<0.5	<0.2
104602	Soil	14	25	0.24	246	0.021	1	1.26	0.007	0.13	0.1	0.04	4.1	0.1	0.05	4	1.3	<0.2
104603	Soil	14	28	0.99	393	0.115	1	2.07	0.014	0.51	0.1	0.01	5.8	0.3	<0.05	7	<0.5	<0.2
103581	Soil	10	31	0.70	248	0.116	<1	1.88	0.009	0.26	<0.1	0.01	4.6	0.1	<0.05	6	0.8	<0.2
103582	Soil	12	59	0.75	416	0.123	1	2.54	0.012	0.28	<0.1	0.01	4.7	0.3	<0.05	8	0.6	<0.2
103583	Soil	26	60	1.13	285	0.273	<1	2.82	0.014	0.92	0.2	0.02	10.0	0.4	<0.05	11	<0.5	<0.2
103584	Soil	10	68	1.82	422	0.153	<1	4.21	0.033	0.63	<0.1	<0.01	9.9	0.2	<0.05	14	<0.5	<0.2
103585	Soil	10	58	1.67	530	0.262	<1	3.07	0.017	1.42	<0.1	<0.01	5.4	0.8	0.08	10	0.7	<0.2
103586	Soil	8	56	0.86	349	0.112	<1	2.59	0.009	0.29	0.1	0.01	4.9	0.2	<0.05	9	<0.5	<0.2
103587	Soil	9	35	0.33	389	0.042	<1	1.96	0.009	0.04	0.1	0.03	3.0	0.1	<0.05	6	<0.5	<0.2
103588	Soil	9	34	0.35	506	0.051	<1	1.74	0.009	0.09	0.1	0.01	3.2	0.1	<0.05	6	<0.5	<0.2
103589	Soil	14	23	0.99	259	0.125	<1	2.59	0.012	0.82	<0.1	0.02	5.9	0.3	<0.05	9	<0.5	<0.2
103590	Soil	15	23	0.99	283	0.122	1	2.46	0.010	0.73	<0.1	0.02	5.6	0.2	<0.05	8	<0.5	<0.2
103591	Soil	47	45	1.17	318	0.160	<1	2.81	0.013	1.27	<0.1	0.02	5.5	0.5	<0.05	10	<0.5	<0.2
103592	Soil	10	36	0.62	341	0.110	<1	1.79	0.014	0.38	0.1	0.01	5.2	0.2	<0.05	6	<0.5	<0.2
103593	Soil	16	58	0.82	383	0.127	2	2.52	0.014	0.60	0.1	0.01	6.8	0.2	<0.05	8	<0.5	<0.2
103594	Soil	3	162	3.06	246	0.092	<1	2.17	0.005	0.08	<0.1	<0.01	1.4	<0.1	<0.05	6	<0.5	<0.2
103595	Soil	9	38	1.07	328	0.180	<1	2.33	0.015	0.44	<0.1	<0.01	3.4	0.2	<0.05	7	<0.5	<0.2
103596	Soil	8	199	3.37	917	0.404	<1	5.37	0.023	2.79	0.1	<0.01	17.5	0.9	0.05	20	0.7	0.2
103597	Soil	16	279	2.19	606	0.195	1	3.96	0.009	0.84	0.1	0.02	12.7	0.8	<0.05	14	1.3	<0.2
103598	Soil	10	167	1.18	200	0.162	<1	2.76	0.008	0.19	<0.1	0.02	8.6	0.2	<0.05	9	<0.5	<0.2
103599	Soil	12	216	1.38	258	0.231	1	2.08	0.012	0.71	0.2	<0.01	2.6	0.4	<0.05	8	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 10, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	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	2	0.01	0.001	
103600	Soil	0.8	34.2	6.5	52	<0.1	60.9	19.4	520	3.20	5.7	0.8	1.3	6.2	12	<0.1	0.2	0.1	86	0.23	0.101
103601	Soil	0.5	52.0	6.8	56	<0.1	70.9	21.2	450	3.48	6.6	1.0	1.5	6.7	11	<0.1	0.2	0.1	94	0.24	0.068
103602	Soil	0.3	121.8	2.7	23	<0.1	268.0	34.9	384	2.50	4.0	0.5	2.3	1.7	17	<0.1	0.2	<0.1	44	0.54	0.059
103603	Soil	0.3	96.5	3.6	17	<0.1	137.7	19.6	187	2.29	4.4	0.4	1.1	1.7	15	<0.1	0.2	<0.1	42	0.55	0.115
103604	Soil	0.5	26.8	6.2	37	<0.1	31.4	9.7	149	2.09	6.3	0.5	4.8	2.6	22	<0.1	0.3	<0.1	51	0.35	0.027
103605	Soil	0.5	40.4	5.6	44	<0.1	50.6	12.5	220	2.38	7.0	0.7	3.6	3.5	29	<0.1	0.2	<0.1	52	0.50	0.047
103606	Soil	0.3	20.2	4.2	58	<0.1	20.5	13.5	340	3.47	4.7	0.6	1.5	4.0	19	<0.1	0.2	<0.1	82	0.48	0.089
103607	Soil	0.5	26.6	12.7	74	<0.1	34.8	14.7	336	4.12	2.3	1.4	1.4	9.1	15	<0.1	0.1	0.1	57	0.24	0.025
103608	Soil	0.6	24.1	7.9	56	<0.1	27.5	9.1	268	2.96	8.5	1.0	7.2	7.6	37	<0.1	0.4	0.1	56	0.33	0.021
103609	Soil	0.8	16.9	8.1	52	<0.1	21.0	10.4	262	2.64	6.3	0.6	1.4	5.1	18	<0.1	0.4	0.1	53	0.20	0.020
103610	Soil	0.7	40.2	4.7	71	<0.1	25.9	15.7	652	4.05	3.9	1.0	0.5	10.3	15	<0.1	0.1	<0.1	82	0.25	0.042
103612	Soil	0.3	34.7	17.5	79	<0.1	36.5	15.6	436	3.55	1.9	0.9	1.5	11.9	13	<0.1	0.3	0.2	46	0.17	0.030
103613	Soil	1.1	32.0	12.8	76	0.2	29.6	15.7	2416	2.87	3.9	1.1	2.4	6.6	20	0.3	0.3	0.2	49	0.23	0.055
103614	Soil	2.5	66.8	9.3	58	0.1	23.4	7.8	159	2.60	2.4	1.3	1.2	4.8	16	<0.1	0.3	0.2	41	0.07	0.022
103615	Soil	0.8	48.1	8.1	51	0.3	12.7	4.4	337	1.60	2.1	0.6	1.7	2.7	15	0.2	0.2	0.2	42	0.09	0.078
103616	Soil	0.7	68.8	7.1	35	0.3	15.4	3.2	68	1.47	1.0	1.0	3.1	4.4	59	<0.1	0.1	<0.1	39	0.06	0.025
103617	Soil	8.7	32.4	10.5	52	0.8	25.2	4.6	117	1.68	1.4	1.0	3.1	2.4	42	0.2	0.4	0.2	38	0.08	0.031
103618	Soil	0.6	53.8	7.2	51	0.1	30.9	9.4	360	2.33	4.6	2.0	3.1	5.4	8	<0.1	0.3	0.1	45	0.07	0.012
103619	Soil	2.3	40.0	9.7	54	0.6	23.8	7.3	581	3.00	7.1	0.6	1.7	2.3	18	0.1	0.3	0.2	77	0.17	0.057
103620	Soil	1.2	17.0	11.3	48	<0.1	25.6	9.1	253	3.35	7.0	0.6	5.1	4.5	10	<0.1	0.3	0.2	58	0.10	0.025
103621	Soil	2.0	88.0	18.8	80	<0.1	29.4	9.6	346	3.76	1.8	1.6	2.2	8.6	24	<0.1	0.2	0.5	71	0.03	0.024
103622	Soil	0.6	49.7	11.4	83	<0.1	39.2	18.5	516	3.40	3.2	1.7	5.3	8.6	8	<0.1	0.2	0.3	41	0.08	0.014
103623	Soil	1.2	16.9	9.6	47	0.3	19.1	7.5	203	2.63	9.1	0.5	3.4	3.8	12	<0.1	0.5	0.2	61	0.11	0.018
103624	Soil	0.5	42.7	7.9	56	0.3	38.7	16.3	883	2.50	4.6	0.9	1.4	7.5	25	<0.1	0.2	0.1	58	0.41	0.028
103625	Soil	1.3	117.2	12.5	89	0.1	35.6	15.1	1019	6.73	6.1	1.2	1.9	8.2	11	<0.1	0.7	0.1	102	0.14	0.038
103626	Soil	0.9	19.4	9.3	46	0.2	20.6	7.8	224	2.27	5.0	0.7	1.8	4.2	15	<0.1	0.3	0.1	50	0.18	0.015
103627	Soil	1.3	22.8	9.9	50	<0.1	29.1	9.4	236	2.90	11.6	0.7	2.6	4.0	12	<0.1	0.5	0.2	69	0.12	0.022
103628	Soil	1.0	25.1	7.4	71	0.1	82.9	14.1	343	3.01	5.1	0.6	0.9	4.6	13	<0.1	0.3	0.1	72	0.14	0.018
103629	Soil	1.9	43.7	11.9	63	0.1	31.2	11.9	239	3.14	5.9	1.4	4.3	7.0	13	<0.1	0.4	0.2	53	0.13	0.017
103630	Soil	1.5	50.2	7.6	67	0.4	28.9	9.6	325	2.71	2.8	1.2	2.4	4.8	11	<0.1	0.3	0.2	50	0.06	0.019

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 10, 2011

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
103600	Soil	7	181	1.47	203	0.229	<1	2.15	0.013	0.50	0.2	0.01	2.2	0.3	<0.05	8	<0.5	<0.2
103601	Soil	9	166	1.72	228	0.241	1	2.49	0.012	0.77	0.1	<0.01	2.9	0.5	<0.05	8	<0.5	<0.2
103602	Soil	5	206	1.49	102	0.032	<1	1.03	0.007	0.01	<0.1	0.01	5.0	<0.1	<0.05	3	<0.5	<0.2
103603	Soil	7	104	0.86	63	0.044	<1	1.03	0.011	0.01	<0.1	<0.01	6.5	<0.1	<0.05	3	<0.5	<0.2
103604	Soil	9	49	0.54	207	0.054	<1	1.67	0.013	0.03	0.1	<0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
103605	Soil	10	55	0.82	246	0.053	<1	1.90	0.022	0.04	<0.1	0.06	4.5	<0.1	<0.05	5	<0.5	<0.2
103606	Soil	11	38	1.14	324	0.204	<1	2.20	0.015	0.63	<0.1	0.01	3.3	0.1	<0.05	8	<0.5	<0.2
103607	Soil	22	52	1.19	299	0.222	<1	2.66	0.012	0.98	<0.1	0.03	5.4	0.5	<0.05	11	<0.5	<0.2
103608	Soil	18	45	0.52	237	0.079	<1	2.10	0.018	0.11	0.1	0.02	5.8	<0.1	<0.05	6	<0.5	<0.2
103609	Soil	11	35	0.57	257	0.099	<1	1.66	0.011	0.27	0.1	0.01	3.2	0.1	<0.05	5	<0.5	<0.2
103610	Soil	11	67	1.31	256	0.327	<1	2.58	0.011	1.26	0.1	0.02	7.5	0.5	<0.05	10	<0.5	<0.2
103612	Soil	33	35	0.97	236	0.226	<1	2.20	0.010	1.00	<0.1	0.03	4.3	0.5	<0.05	7	<0.5	<0.2
103613	Soil	30	28	0.56	251	0.121	<1	2.09	0.013	0.38	0.1	0.03	2.8	0.2	<0.05	7	<0.5	<0.2
103614	Soil	15	26	0.70	121	0.136	<1	1.76	0.007	0.42	<0.1	0.02	2.2	0.4	<0.05	5	0.5	<0.2
103615	Soil	10	30	0.52	283	0.062	<1	1.00	0.005	0.32	<0.1	<0.01	2.1	0.2	<0.05	5	0.8	<0.2
103616	Soil	22	48	0.34	187	0.045	<1	1.01	0.003	0.22	<0.1	<0.01	2.7	0.1	<0.05	4	1.8	<0.2
103617	Soil	8	39	0.18	217	0.021	<1	0.80	0.003	0.16	<0.1	<0.01	1.5	0.1	0.09	3	3.9	<0.2
103618	Soil	24	37	0.68	204	0.106	<1	1.56	0.006	0.29	<0.1	0.03	4.7	0.2	<0.05	5	0.5	<0.2
103619	Soil	10	32	0.40	260	0.064	<1	1.70	0.006	0.07	0.1	0.03	2.2	0.1	<0.05	7	0.9	<0.2
103620	Soil	11	30	0.46	169	0.074	<1	2.01	0.006	0.16	<0.1	0.02	2.4	0.1	<0.05	6	<0.5	<0.2
103621	Soil	24	50	1.02	206	0.170	<1	2.35	0.012	0.91	<0.1	0.02	4.7	0.6	0.16	8	0.8	<0.2
103622	Soil	24	32	0.88	128	0.165	<1	2.28	0.009	0.70	<0.1	0.02	4.9	0.5	<0.05	7	<0.5	<0.2
103623	Soil	10	33	0.44	143	0.068	<1	1.85	0.008	0.06	0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
103624	Soil	19	35	0.65	349	0.076	<1	1.68	0.012	0.16	<0.1	0.03	5.7	0.2	<0.05	6	<0.5	<0.2
103625	Soil	14	54	0.64	201	0.055	<1	2.02	0.005	0.23	3.3	0.04	9.5	0.3	<0.05	7	1.2	<0.2
103626	Soil	12	29	0.59	324	0.073	<1	1.51	0.009	0.06	<0.1	<0.01	2.2	0.1	<0.05	4	<0.5	<0.2
103627	Soil	10	40	0.48	346	0.063	<1	2.48	0.008	0.06	0.1	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
103628	Soil	12	202	1.04	187	0.119	<1	2.34	0.009	0.06	<0.1	0.02	3.3	0.1	<0.05	7	<0.5	<0.2
103629	Soil	19	33	0.63	167	0.094	<1	2.02	0.009	0.11	0.1	0.02	4.3	0.2	<0.05	6	<0.5	<0.2
103630	Soil	15	27	0.43	167	0.069	<1	1.29	0.006	0.15	<0.1	0.02	3.0	0.1	<0.05	5	0.5	<0.2

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 1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Taku Gold Corp**  
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		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	
103631	Soil	0.8	25.7	8.6	30	<0.1	15.6	6.0	322	1.52	1.6	1.2	2.2	4.6	17	<0.1	0.2	0.2	25	0.06	0.013
103632	Soil	1.2	40.3	10.8	82	<0.1	34.1	15.3	643	3.98	3.7	1.1	2.3	5.2	18	<0.1	0.2	<0.1	74	0.11	0.021
103633	Soil	0.6	92.2	2.6	32	<0.1	51.8	20.9	245	3.52	1.9	0.2	1.4	1.9	12	<0.1	0.2	<0.1	90	0.43	0.098
103634	Soil	1.1	23.8	9.0	46	0.1	22.8	8.0	130	2.53	8.3	0.6	4.0	3.5	12	<0.1	0.4	0.1	55	0.13	0.020
103635	Soil	1.8	64.5	7.9	57	0.1	31.9	8.7	439	2.51	4.6	1.1	1.2	3.4	15	<0.1	0.3	0.1	52	0.10	0.023
103636	Soil	1.1	73.6	12.0	152	0.2	63.2	21.3	615	4.80	3.3	0.4	1.4	1.1	17	0.1	0.2	0.2	96	0.20	0.033
103637	Soil	0.8	95.9	9.3	131	0.1	65.8	14.2	272	3.66	2.0	0.5	1.2	1.5	8	0.1	0.1	0.2	58	0.05	0.017
103638	Soil	1.1	23.2	8.2	43	0.6	18.8	7.2	214	2.27	6.3	0.5	2.2	2.3	14	<0.1	0.3	0.1	53	0.18	0.014
103639	Soil	0.9	29.4	8.1	45	0.5	20.5	7.0	165	2.17	6.2	0.6	1.7	2.5	15	<0.1	0.3	0.1	52	0.19	0.015
103640	Soil	0.8	32.2	7.9	48	0.5	21.2	7.7	181	2.22	6.2	0.7	3.1	2.8	15	<0.1	0.3	0.1	51	0.20	0.018
103641	Soil	2.9	142.4	14.2	171	0.2	81.3	7.0	269	3.35	2.4	1.7	1.8	2.9	15	0.1	0.2	0.2	106	0.07	0.025
103642	Soil	1.9	63.4	8.4	90	0.3	25.4	7.4	321	3.06	5.3	0.7	1.6	2.1	12	<0.1	0.3	0.2	61	0.10	0.017
103643	Soil	1.3	84.7	9.2	89	0.1	36.4	9.0	160	3.33	6.6	0.5	0.8	2.3	18	<0.1	0.3	0.1	72	0.09	0.021
103644	Soil	1.4	34.9	9.0	58	0.5	25.3	8.5	161	2.68	8.1	0.4	2.1	2.1	12	0.1	0.4	0.2	65	0.12	0.021
103645	Soil	1.6	38.6	8.1	54	0.4	27.2	8.0	236	2.57	6.6	0.7	7.8	2.7	19	<0.1	0.4	0.1	63	0.24	0.036
103646	Soil	1.6	82.4	8.0	92	0.1	34.2	9.7	331	3.08	5.6	1.3	2.7	3.1	22	<0.1	0.3	0.1	61	0.24	0.034
103647	Soil	1.4	45.2	9.2	64	0.2	28.0	10.1	280	2.87	7.0	0.8	6.5	2.7	19	<0.1	0.4	0.1	62	0.24	0.021
103648	Soil	1.2	53.2	9.5	61	0.2	33.2	10.5	408	2.96	9.2	1.6	3.4	3.9	25	<0.1	0.5	0.1	72	0.34	0.029
103649	Soil	1.5	40.1	8.8	58	0.1	32.8	11.6	399	2.77	6.3	1.5	2.6	3.7	20	<0.1	0.3	0.1	60	0.23	0.022
103650	Soil	2.1	101.2	11.2	157	<0.1	62.1	24.5	951	5.71	4.5	1.3	1.8	5.5	37	0.1	0.2	0.2	137	0.75	0.250
103651	Soil	1.3	96.2	9.6	111	<0.1	56.8	13.2	577	3.75	3.6	1.0	2.2	3.2	16	<0.1	0.2	0.1	66	0.14	0.023
110338	Soil	1.1	49.7	16.0	87	<0.1	46.8	17.5	285	3.79	3.9	0.7	1.2	4.8	10	<0.1	0.4	0.3	49	0.10	0.020
110339	Soil	0.7	34.3	11.0	65	<0.1	34.3	14.0	241	3.03	5.5	0.8	1.4	4.8	13	<0.1	0.4	0.2	48	0.14	0.017
110340	Soil	1.1	35.8	11.0	65	<0.1	31.4	12.9	191	3.09	5.0	0.8	3.8	3.6	13	<0.1	0.3	0.2	50	0.13	0.015
110341	Soil	1.5	46.3	10.0	52	0.1	24.8	9.8	381	2.74	6.3	1.6	3.2	4.6	20	<0.1	0.4	0.2	53	0.25	0.031
110342	Soil	2.2	50.1	11.4	63	<0.1	32.7	10.5	400	2.91	7.9	1.1	3.9	4.4	24	0.1	0.7	0.2	60	0.27	0.035
110343	Soil	1.8	37.2	9.6	50	0.1	23.0	11.0	488	2.46	7.2	1.5	3.4	3.5	23	0.2	0.4	0.1	51	0.26	0.031
110344	Soil	1.4	38.4	8.8	58	<0.1	25.1	11.1	494	2.65	6.3	0.7	2.0	3.5	21	0.1	0.4	0.2	59	0.31	0.033
110345	Soil	1.7	44.3	9.1	74	<0.1	22.5	7.8	483	2.45	3.5	1.1	2.2	3.6	31	0.1	0.3	0.1	50	0.23	0.036
110346	Soil	1.3	45.3	9.7	75	<0.1	30.2	13.4	395	2.95	3.4	1.0	1.9	3.9	17	0.1	0.3	0.2	47	0.21	0.030

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 10, 2011

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
103631	Soil	12	15	0.15	122	0.010	<1	0.70	0.004	0.04	<0.1	0.04	3.6	<0.1	<0.05	2	<0.5	<0.2
103632	Soil	16	58	1.16	262	0.255	<1	2.82	0.010	0.91	0.2	0.01	5.6	0.6	<0.05	10	<0.5	<0.2
103633	Soil	5	121	1.08	150	0.147	<1	1.64	0.024	0.27	<0.1	<0.01	3.5	0.2	<0.05	5	<0.5	<0.2
103634	Soil	9	31	0.45	226	0.054	<1	1.94	0.009	0.05	0.1	0.03	2.3	0.1	<0.05	5	<0.5	<0.2
103635	Soil	10	41	0.65	299	0.098	<1	1.55	0.007	0.21	<0.1	0.02	3.5	0.2	<0.05	5	<0.5	<0.2
103636	Soil	4	75	1.49	818	0.234	2	3.13	0.016	1.39	0.1	<0.01	7.1	0.5	<0.05	12	<0.5	<0.2
103637	Soil	5	52	1.28	985	0.220	2	2.42	0.022	1.35	0.1	<0.01	4.1	0.5	<0.05	8	<0.5	<0.2
103638	Soil	9	29	0.37	327	0.064	1	1.26	0.009	0.09	0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
103639	Soil	10	30	0.45	372	0.078	2	1.23	0.010	0.09	0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
103640	Soil	11	31	0.46	401	0.077	2	1.26	0.012	0.09	0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
103641	Soil	8	101	1.12	556	0.116	<1	1.74	0.005	0.55	<0.1	0.01	4.2	0.4	0.07	6	3.4	0.2
103642	Soil	6	41	0.83	445	0.118	3	1.73	0.009	0.54	<0.1	<0.01	3.2	0.3	<0.05	6	1.0	<0.2
103643	Soil	7	56	1.12	482	0.160	1	2.18	0.008	0.43	<0.1	<0.01	4.8	0.2	<0.05	8	<0.5	<0.2
103644	Soil	7	35	0.41	286	0.063	2	1.51	0.007	0.09	0.1	0.02	2.5	0.1	<0.05	5	0.7	<0.2
103645	Soil	10	36	0.42	401	0.068	<1	1.30	0.010	0.08	0.1	0.02	2.8	0.1	<0.05	4	0.7	<0.2
103646	Soil	11	42	0.81	500	0.126	<1	1.75	0.012	0.44	0.1	0.02	4.7	0.3	<0.05	6	<0.5	<0.2
103647	Soil	9	39	0.59	379	0.088	<1	1.64	0.009	0.09	0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
103648	Soil	13	45	0.64	469	0.087	<1	1.68	0.014	0.12	0.1	0.04	5.7	<0.1	<0.05	5	1.1	<0.2
103649	Soil	14	40	0.47	405	0.085	1	1.58	0.009	0.15	0.1	0.04	4.6	0.1	<0.05	5	<0.5	<0.2
103650	Soil	39	79	1.37	701	0.198	<1	3.27	0.008	0.60	<0.1	0.02	4.8	0.3	<0.05	12	<0.5	<0.2
103651	Soil	12	56	0.97	493	0.145	<1	2.08	0.010	0.70	<0.1	0.04	5.1	0.4	<0.05	8	0.7	<0.2
110338	Soil	15	36	0.92	147	0.191	2	2.44	0.007	0.89	<0.1	0.02	3.1	0.6	<0.05	7	<0.5	<0.2
110339	Soil	17	35	0.78	137	0.126	<1	1.95	0.009	0.44	0.1	0.03	4.3	0.3	<0.05	6	<0.5	<0.2
110340	Soil	13	33	0.72	165	0.131	<1	1.94	0.008	0.33	<0.1	0.02	3.2	0.3	<0.05	6	<0.5	<0.2
110341	Soil	17	33	0.61	232	0.092	<1	1.63	0.011	0.14	0.2	0.03	4.8	0.1	<0.05	5	0.8	<0.2
110342	Soil	16	40	0.58	323	0.085	<1	1.68	0.014	0.10	0.2	0.05	5.2	0.1	<0.05	5	<0.5	<0.2
110343	Soil	13	31	0.40	238	0.062	<1	1.42	0.010	0.06	0.2	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
110344	Soil	13	32	0.58	261	0.083	<1	1.68	0.013	0.09	0.2	0.01	3.6	0.1	<0.05	5	0.6	<0.2
110345	Soil	14	26	0.75	176	0.082	<1	1.51	0.007	0.24	0.1	<0.01	3.3	0.2	0.07	4	<0.5	<0.2
110346	Soil	13	30	0.77	186	0.143	<1	1.76	0.008	0.58	0.1	<0.01	3.4	0.3	<0.05	5	0.6	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 10, 2011

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		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
110347	Soil	1.9	39.7	9.1	57	0.1	21.6	9.2	411	2.47	4.4	1.1	3.2	3.9	22	<0.1	0.4	0.1	50	0.25	0.031
110348	Soil	1.2	57.6	10.2	66	0.2	33.7	12.0	784	2.64	7.9	1.4	2.4	3.0	32	0.3	0.6	0.1	55	0.56	0.049
110349	Soil	1.1	30.5	9.8	60	<0.1	23.5	11.5	726	2.59	8.0	1.1	0.9	3.0	28	0.2	0.4	0.1	62	0.44	0.034
110350	Soil	1.6	20.9	10.0	54	<0.1	18.6	12.1	687	2.65	9.1	0.8	4.5	2.8	26	0.1	0.4	0.2	62	0.45	0.032
110351	Soil	1.6	32.5	8.3	55	<0.1	26.2	11.3	812	2.54	7.8	0.9	3.0	3.1	25	0.1	0.5	0.1	51	0.36	0.022
110352	Soil	1.5	44.5	9.4	70	<0.1	28.5	12.7	620	2.91	8.0	0.9	3.6	4.0	27	0.2	0.5	0.2	57	0.38	0.033
110353	Soil	1.3	33.9	10.1	63	<0.1	25.6	10.3	461	2.62	7.2	1.2	6.8	3.2	28	0.3	0.4	0.2	52	0.47	0.042
110354	Soil	1.5	65.1	8.9	73	<0.1	41.0	13.9	790	2.89	10.1	2.4	3.8	4.3	24	0.2	0.5	0.1	56	0.32	0.028
110355	Soil	1.4	55.8	12.7	90	<0.1	35.5	12.9	503	3.33	2.6	1.4	1.6	7.6	21	0.2	0.3	0.2	43	0.25	0.040
110356	Soil	1.0	42.4	10.7	80	<0.1	36.5	13.0	347	3.16	3.2	1.8	1.7	7.3	19	0.1	0.3	0.2	45	0.27	0.034
110357	Soil	1.5	59.4	10.2	73	<0.1	22.8	8.6	441	2.70	2.7	1.4	1.5	5.0	31	<0.1	0.4	0.2	51	0.27	0.046
110358	Soil	1.6	54.1	9.3	54	0.1	30.9	11.9	684	2.74	7.5	2.2	3.4	4.8	31	0.2	0.6	0.2	56	0.27	0.030
110359	Soil	0.8	28.9	8.5	52	<0.1	25.3	11.1	256	2.67	7.8	1.4	3.0	4.9	20	<0.1	0.5	0.2	47	0.19	0.017
110360	Soil	0.5	39.7	12.3	82	<0.1	38.4	15.0	232	3.19	2.3	0.9	2.1	6.4	17	<0.1	0.4	0.3	39	0.19	0.024
110361	Soil	0.8	33.1	8.1	55	<0.1	23.0	8.3	303	2.50	7.2	1.1	2.1	4.1	25	<0.1	0.6	0.2	46	0.30	0.040
110362	Soil	0.6	24.2	9.0	54	<0.1	25.8	9.7	290	2.67	4.5	1.1	1.7	6.9	21	<0.1	0.4	0.2	44	0.25	0.023
110363	Soil	0.9	25.7	9.3	53	<0.1	21.3	9.5	259	2.71	7.6	1.3	4.4	6.6	22	<0.1	0.4	0.2	48	0.25	0.025
110364	Soil	0.8	23.0	8.3	54	<0.1	20.8	8.9	217	2.37	5.2	0.9	1.3	4.9	19	<0.1	0.4	0.2	44	0.23	0.027
110365	Soil	0.6	36.8	10.0	63	<0.1	28.0	12.7	314	3.07	3.2	1.8	10.1	10.1	22	<0.1	0.3	0.5	39	0.32	0.052
110366	Soil	0.8	28.6	8.2	54	<0.1	21.7	8.7	356	2.53	6.7	1.4	2.0	5.0	27	<0.1	0.5	0.2	48	0.33	0.034
110367	Soil	0.9	24.3	8.3	53	<0.1	18.6	8.5	271	2.35	6.2	1.2	3.0	4.4	26	<0.1	0.4	0.2	47	0.29	0.037
110368	Soil	0.8	24.9	7.2	49	0.1	17.2	7.5	202	2.17	6.1	1.0	5.2	4.1	19	<0.1	0.4	0.1	43	0.21	0.033
110369	Soil	1.0	23.6	8.4	54	0.1	18.3	8.2	288	2.32	6.3	1.4	3.0	4.3	26	<0.1	0.4	0.2	46	0.29	0.041
110370	Soil	0.9	17.7	8.4	46	0.1	15.2	6.5	196	2.27	7.1	1.0	2.8	4.2	22	<0.1	0.3	0.2	49	0.25	0.030
110371	Soil	1.1	22.9	9.2	55	0.1	18.2	9.0	257	2.52	7.0	1.1	0.5	4.9	21	<0.1	0.4	0.2	50	0.22	0.036
110372	Soil	1.1	16.1	7.2	43	<0.1	13.6	6.7	226	2.02	5.4	0.6	1.6	3.3	15	<0.1	0.3	0.1	40	0.15	0.038
110373	Soil	1.0	19.1	7.4	53	0.1	15.2	6.6	233	2.00	4.4	0.6	3.1	3.1	17	<0.1	0.2	0.1	42	0.18	0.044
110374	Soil	0.9	30.3	7.2	54	0.1	18.5	7.7	250	2.17	5.6	1.3	2.7	3.9	18	<0.1	0.3	0.1	44	0.20	0.035
102352	Soil	0.4	98.4	8.2	64	0.1	246.0	22.1	506	2.98	0.5	0.5	1.9	6.7	94	<0.1	0.1	<0.1	61	0.87	0.026
102353	Soil	1.3	66.8	13.5	137	<0.1	47.8	12.9	784	4.24	3.4	1.1	4.4	12.7	18	<0.1	0.4	0.2	97	0.20	0.016

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 Phone (604) 253-3158 Fax (604) 253-1716

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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
110347	Soil	14	30	0.57	214	0.085	<1	1.52	0.009	0.13	0.1	0.02	3.0	0.1	<0.05	5	0.7	<0.2
110348	Soil	14	32	0.44	307	0.059	1	1.60	0.018	0.06	0.2	0.04	4.3	<0.1	<0.05	5	<0.5	<0.2
110349	Soil	13	31	0.43	308	0.058	<1	1.72	0.016	0.05	0.2	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
110350	Soil	11	30	0.42	267	0.055	1	1.63	0.013	0.05	0.1	<0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
110351	Soil	11	30	0.40	272	0.057	<1	1.47	0.011	0.07	<0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
110352	Soil	14	32	0.55	223	0.080	<1	1.72	0.014	0.12	0.1	0.04	4.2	0.1	<0.05	5	<0.5	<0.2
110353	Soil	13	29	0.49	274	0.073	<1	1.57	0.016	0.09	0.1	0.02	3.4	0.1	<0.05	5	0.6	<0.2
110354	Soil	18	35	0.68	236	0.085	<1	1.72	0.014	0.13	0.1	0.04	5.9	<0.1	<0.05	5	<0.5	<0.2
110355	Soil	26	28	0.94	188	0.155	<1	2.08	0.008	0.74	<0.1	0.03	3.2	0.5	<0.05	6	<0.5	<0.2
110356	Soil	23	35	0.84	192	0.163	<1	2.02	0.010	0.70	0.1	0.04	3.8	0.4	<0.05	6	<0.5	<0.2
110357	Soil	16	29	0.90	170	0.138	<1	1.70	0.009	0.52	<0.1	<0.01	3.0	0.3	<0.05	5	<0.5	<0.2
110358	Soil	18	31	0.53	226	0.072	1	1.60	0.010	0.16	0.1	0.03	5.3	<0.1	<0.05	5	<0.5	<0.2
110359	Soil	16	31	0.57	218	0.093	1	1.63	0.010	0.12	0.1	0.03	4.8	0.1	<0.05	5	<0.5	<0.2
110360	Soil	18	32	0.89	198	0.161	<1	1.99	0.008	0.76	<0.1	0.15	3.7	0.5	<0.05	7	<0.5	<0.2
110361	Soil	14	28	0.53	308	0.077	1	1.46	0.013	0.06	0.1	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
110362	Soil	25	36	0.69	218	0.144	<1	1.79	0.009	0.34	0.1	0.03	4.5	0.2	<0.05	6	<0.5	<0.2
110363	Soil	20	33	0.57	262	0.109	<1	1.69	0.015	0.13	0.1	0.03	4.1	0.1	<0.05	5	<0.5	<0.2
110364	Soil	17	29	0.55	199	0.105	1	1.58	0.010	0.13	0.1	0.02	2.9	0.1	<0.05	5	<0.5	<0.2
110365	Soil	28	32	0.78	282	0.163	<1	2.07	0.007	0.42	0.1	0.03	5.2	0.4	<0.05	6	<0.5	<0.2
110366	Soil	17	29	0.53	281	0.098	1	1.67	0.013	0.08	0.1	0.03	4.2	0.1	<0.05	5	<0.5	<0.2
110367	Soil	15	28	0.51	253	0.095	<1	1.57	0.011	0.07	0.1	0.04	3.4	<0.1	<0.05	5	<0.5	<0.2
110368	Soil	14	25	0.43	308	0.073	<1	1.22	0.009	0.06	0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
110369	Soil	15	27	0.48	277	0.078	<1	1.53	0.011	0.06	0.2	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
110370	Soil	13	25	0.45	227	0.073	<1	1.35	0.009	0.05	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
110371	Soil	13	29	0.51	263	0.079	<1	1.61	0.009	0.06	0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
110372	Soil	10	22	0.39	175	0.063	1	1.22	0.006	0.06	0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
110373	Soil	10	26	0.47	212	0.070	1	1.33	0.007	0.08	0.1	0.03	2.1	0.1	<0.05	4	<0.5	<0.2
110374	Soil	14	28	0.48	323	0.066	<1	1.30	0.008	0.05	0.1	0.02	3.4	<0.1	<0.05	4	0.5	<0.2
102352	Soil	21	352	3.23	681	0.128	<1	2.97	0.035	0.24	<0.1	0.01	6.9	0.3	<0.05	8	<0.5	<0.2
102353	Soil	40	58	1.13	475	0.258	<1	2.31	0.008	0.91	0.1	0.06	8.0	0.7	<0.05	9	0.8	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 10, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	
102354	Soil	1.0	94.5	9.1	61	<0.1	24.0	9.2	344	3.14	5.8	1.3	2.0	3.9	13	<0.1	0.3	0.2	49	0.16	0.042
102355	Soil	0.5	27.1	12.1	78	<0.1	34.2	14.3	458	3.95	2.6	1.6	1.2	21.0	11	<0.1	0.2	0.2	42	0.11	0.023
102356	Soil	0.4	26.7	7.6	66	<0.1	28.0	11.7	393	3.38	3.4	0.7	0.5	8.6	9	<0.1	0.2	0.2	44	0.09	0.016
102357	Soil	0.8	66.1	7.9	63	<0.1	25.1	9.7	320	2.75	4.0	0.6	<0.5	3.7	11	<0.1	0.3	0.2	47	0.09	0.025
102358	Soil	0.3	36.9	10.8	72	<0.1	32.3	13.1	563	3.61	1.3	1.2	2.8	14.5	11	<0.1	0.1	0.3	45	0.16	0.033
102359	Soil	0.5	59.4	11.3	103	<0.1	55.2	20.8	927	5.32	<0.5	1.0	1.0	13.2	12	<0.1	0.1	0.3	60	0.28	0.054
102360	Soil	0.1	44.2	1.3	13	0.1	338.0	19.3	271	1.39	4.0	0.2	12.1	0.3	8	<0.1	0.2	<0.1	20	0.20	0.021
102361	Soil	0.4	58.0	1.9	14	<0.1	1314	84.8	723	2.92	27.3	0.6	8.4	0.9	70	<0.1	0.5	0.2	27	1.10	0.013
102362	Soil	0.2	63.3	2.0	40	<0.1	60.3	14.7	256	2.90	1.3	0.5	6.1	2.3	25	<0.1	0.1	<0.1	96	0.49	0.040
102363	Soil	0.5	70.1	9.1	81	<0.1	69.3	20.2	548	3.46	2.4	0.6	1.1	3.9	18	<0.1	0.1	0.1	91	0.24	0.030
102364	Soil	0.5	56.1	10.3	87	<0.1	35.7	13.8	730	4.16	1.9	1.4	6.9	15.5	14	<0.1	0.1	0.1	64	0.22	0.025
102365	Soil	0.8	68.7	4.7	68	<0.1	26.1	8.0	110	2.44	2.9	1.4	2.0	3.4	7	<0.1	0.3	0.2	37	0.04	0.024
102366	Soil	0.6	41.4	6.4	75	<0.1	34.8	7.6	166	2.84	1.5	0.8	<0.5	4.1	9	<0.1	0.1	0.2	50	0.07	0.025
102367	Soil	0.7	21.3	4.7	38	0.4	5.2	1.1	214	1.15	0.5	0.9	1.6	5.2	11	<0.1	<0.1	<0.1	24	0.08	0.015
102368	Soil	<0.1	43.7	0.9	20	<0.1	47.8	10.4	116	1.44	1.5	0.3	1.5	3.6	17	<0.1	0.1	<0.1	44	0.36	0.024
102369	Soil	0.8	12.1	20.7	58	<0.1	26.7	8.8	750	2.53	7.0	0.5	2.4	5.5	22	<0.1	0.4	0.2	57	0.30	0.037
102370	Soil	0.1	8.4	7.6	15	0.1	8.3	2.0	562	0.43	6.1	0.2	1.7	0.4	542	1.3	0.3	<0.1	9	32.52	0.035
102371	Soil	0.6	38.0	19.8	94	<0.1	35.8	14.6	682	4.60	4.9	1.1	0.9	10.8	16	<0.1	0.3	0.3	76	0.42	0.044
102372	Soil	1.2	35.5	10.2	53	0.1	31.7	10.0	245	2.89	13.1	0.8	26.3	5.7	25	0.1	0.7	0.2	61	0.34	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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
102354	Soil	16	29	0.56	303	0.079	<1	1.42	0.006	0.30	0.1	0.02	4.4	0.3	<0.05	5	<0.5	<0.2
102355	Soil	46	39	0.70	227	0.207	<1	1.63	0.006	0.84	<0.1	0.03	5.6	0.5	<0.05	6	<0.5	<0.2
102356	Soil	18	45	0.93	306	0.209	<1	2.20	0.006	0.82	<0.1	0.02	4.0	0.4	<0.05	7	<0.5	<0.2
102357	Soil	8	31	0.61	287	0.104	<1	1.51	0.005	0.36	<0.1	0.01	3.4	0.3	<0.05	5	<0.5	<0.2
102358	Soil	45	37	1.03	286	0.255	<1	2.19	0.007	1.11	<0.1	0.01	5.1	0.6	<0.05	8	<0.5	<0.2
102359	Soil	37	47	1.16	416	0.268	<1	2.40	0.009	1.30	<0.1	0.01	5.8	0.8	<0.05	9	<0.5	<0.2
102360	Soil	1	150	1.39	49	0.007	<1	1.10	0.006	<0.01	<0.1	0.07	4.6	<0.1	<0.05	2	<0.5	<0.2
102361	Soil	4	154	1.43	123	0.011	<1	0.40	0.003	0.02	<0.1	0.07	3.7	<0.1	<0.05	<1	<0.5	<0.2
102362	Soil	9	163	2.34	290	0.099	<1	2.09	0.009	0.11	<0.1	0.04	12.6	0.1	<0.05	7	<0.5	<0.2
102363	Soil	8	47	1.56	1177	0.229	<1	3.52	0.019	0.92	0.1	<0.01	9.9	0.4	<0.05	10	0.9	<0.2
102364	Soil	56	49	1.49	638	0.338	<1	2.89	0.012	1.13	<0.1	0.05	7.9	0.6	<0.05	10	<0.5	<0.2
102365	Soil	9	25	0.34	180	0.077	<1	1.10	0.005	0.33	<0.1	0.03	2.9	0.2	<0.05	4	<0.5	<0.2
102366	Soil	13	35	0.87	318	0.140	<1	1.78	0.005	0.54	<0.1	0.01	2.7	0.3	<0.05	6	<0.5	<0.2
102367	Soil	18	6	0.60	380	0.075	<1	0.95	0.008	0.51	<0.1	0.01	1.7	0.2	<0.05	3	1.6	<0.2
102368	Soil	7	100	1.04	267	0.090	<1	1.77	0.031	0.12	<0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
102369	Soil	9	39	0.86	389	0.108	<1	1.97	0.012	0.34	0.1	0.01	5.0	0.2	<0.05	7	<0.5	<0.2
102370	Soil	7	6	0.21	109	0.012	1	0.21	0.002	0.04	<0.1	0.06	1.2	<0.1	<0.05	<1	<0.5	<0.2
102371	Soil	41	64	1.31	370	0.326	1	2.63	0.008	1.48	0.2	0.02	9.1	0.6	<0.05	10	1.1	<0.2
102372	Soil	15	40	0.50	225	0.078	1	1.66	0.010	0.08	0.2	0.05	5.9	<0.1	<0.05	5	0.7	<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: **Taku Gold Corp**  
680 3rd Ave, Suite 203  
Val D'Or QC J9P 1S5 Canada

Project: DAN  
Report Date: August 10, 2011

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QUALITY CONTROL REPORT

WHI11000680.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
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																					
109558	Soil	0.8	9.7	8.1	45	<0.1	16.3	8.5	183	2.36	5.2	0.3	3.5	2.4	23	<0.1	0.4	0.1	56	0.16	0.027
REP 109558	QC	0.8	10.1	7.9	48	<0.1	17.0	8.8	188	2.39	5.3	0.3	0.7	2.3	24	<0.1	0.4	0.1	59	0.16	0.027
109560	Soil	0.5	40.9	2.5	25	<0.1	17.8	9.9	190	1.87	1.3	0.4	<0.5	2.8	35	<0.1	<0.1	<0.1	38	0.53	0.117
REP 109560	QC	0.5	42.3	2.7	28	<0.1	19.1	9.7	197	1.94	1.6	0.5	0.7	3.0	37	<0.1	0.1	<0.1	39	0.54	0.119
109594	Soil	1.8	41.9	9.2	65	<0.1	26.7	9.5	512	2.42	5.8	1.5	2.3	3.7	21	0.1	0.5	0.2	54	0.19	0.049
REP 109594	QC	1.7	40.3	9.2	65	<0.1	25.7	8.9	479	2.29	5.5	1.6	2.0	3.6	20	0.1	0.4	0.2	50	0.18	0.049
117669	Soil	1.1	59.7	5.7	76	0.1	102.1	24.4	399	3.91	3.4	0.9	0.6	5.5	21	<0.1	0.2	0.1	113	0.32	0.080
REP 117669	QC	1.1	60.8	5.9	76	0.1	104.4	24.7	399	3.94	3.6	0.9	0.7	5.8	21	<0.1	0.2	0.1	112	0.32	0.081
117695	Soil	0.5	24.0	6.4	70	<0.1	10.7	19.5	674	4.18	1.8	0.6	<0.5	5.6	66	<0.1	0.1	<0.1	109	1.09	0.112
REP 117695	QC	0.5	24.8	6.7	69	<0.1	11.0	18.9	689	4.23	2.1	0.7	1.1	6.0	72	<0.1	0.1	<0.1	111	1.22	0.130
117705	Soil	0.1	82.3	1.0	8	<0.1	12.2	4.6	101	0.68	0.5	0.1	<0.5	0.3	6	<0.1	<0.1	<0.1	14	0.15	0.024
REP 117705	QC	<0.1	81.3	1.0	7	<0.1	11.8	4.3	99	0.66	<0.5	0.1	<0.5	0.3	6	<0.1	<0.1	<0.1	13	0.15	0.023
104534	Soil	1.4	42.4	8.9	77	<0.1	67.2	16.2	510	4.29	6.6	0.5	<0.5	4.4	23	<0.1	0.3	0.1	120	0.28	0.063
REP 104534	QC	1.4	41.6	8.3	77	<0.1	66.8	16.0	495	4.15	6.1	0.5	<0.5	4.4	22	<0.1	0.2	0.1	117	0.29	0.062
104537	Soil	1.1	18.4	11.0	52	<0.1	26.4	9.0	239	3.08	9.1	0.7	2.1	4.3	14	<0.1	0.4	0.2	70	0.13	0.026
REP 104537	QC	1.2	18.6	11.0	52	<0.1	26.5	8.9	240	3.11	9.2	0.7	1.8	4.3	14	<0.1	0.4	0.2	70	0.13	0.028
104562	Soil	0.6	95.1	3.1	38	<0.1	34.8	21.5	264	3.87	1.9	1.0	1.9	2.6	21	<0.1	0.2	<0.1	123	1.24	0.346
REP 104562	QC	0.7	90.6	3.3	37	<0.1	33.1	21.1	256	3.79	1.9	1.1	<0.5	2.6	21	<0.1	0.2	<0.1	116	1.17	0.337
104579	Soil	0.6	28.6	8.5	49	0.1	26.0	9.5	363	2.42	9.8	0.8	2.7	4.2	38	0.1	0.6	0.1	50	0.71	0.064
REP 104579	QC	0.7	28.6	8.6	49	0.1	26.2	9.0	328	2.37	9.9	0.8	2.2	4.2	38	0.1	0.5	0.1	50	0.71	0.071
104589	Soil	1.2	29.1	7.9	32	<0.1	18.5	6.2	183	2.15	6.0	0.7	6.9	3.5	21	<0.1	0.4	0.1	48	0.25	0.023
REP 104589	QC	1.2	29.4	7.9	33	<0.1	18.5	6.1	180	2.17	6.0	0.7	3.6	3.4	20	<0.1	0.4	0.2	47	0.25	0.022
103594	Soil	0.3	6.9	3.0	24	<0.1	200.4	21.5	147	2.06	2.8	0.2	<0.5	1.5	20	<0.1	<0.1	<0.1	29	0.44	0.020
REP 103594	QC	0.3	6.9	2.8	24	<0.1	197.3	20.6	144	2.03	3.1	0.2	<0.5	1.3	20	<0.1	<0.1	<0.1	28	0.43	0.019
103602	Soil	0.3	121.8	2.7	23	<0.1	268.0	34.9	384	2.50	4.0	0.5	2.3	1.7	17	<0.1	0.2	<0.1	44	0.54	0.059
REP 103602	QC	0.3	123.5	2.7	23	<0.1	274.0	36.1	383	2.58	3.8	0.5	0.7	1.7	17	<0.1	0.2	<0.1	46	0.52	0.059
103621	Soil	2.0	88.0	18.8	80	<0.1	29.4	9.6	346	3.76	1.8	1.6	2.2	8.6	24	<0.1	0.2	0.5	71	0.03	0.024
REP 103621	QC	1.8	84.0	18.3	76	<0.1	28.0	9.0	332	3.60	1.6	1.5	2.1	8.6	23	<0.1	0.2	0.4	67	0.03	0.023

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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QUALITY CONTROL REPORT

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
109558	Soil	7	33	0.42	213	0.063	<1	1.74	0.011	0.05	0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
REP 109558	QC	8	34	0.43	219	0.070	<1	1.83	0.012	0.06	0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
109560	Soil	12	45	0.60	197	0.118	<1	1.32	0.022	0.23	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
REP 109560	QC	12	46	0.63	213	0.126	<1	1.39	0.023	0.25	<0.1	0.01	3.0	0.1	<0.05	5	<0.5	<0.2
109594	Soil	16	31	0.48	232	0.087	<1	1.55	0.009	0.08	0.1	0.03	4.1	0.1	<0.05	5	<0.5	<0.2
REP 109594	QC	16	29	0.46	225	0.083	<1	1.51	0.009	0.07	0.1	0.03	4.0	0.1	<0.05	5	<0.5	<0.2
117669	Soil	8	233	1.82	307	0.300	<1	2.59	0.010	0.55	0.2	<0.01	3.9	0.3	<0.05	9	<0.5	<0.2
REP 117669	QC	8	228	1.86	313	0.303	<1	2.62	0.011	0.56	0.2	<0.01	4.2	0.3	<0.05	9	<0.5	<0.2
117695	Soil	11	17	1.65	512	0.304	<1	3.47	0.020	0.68	<0.1	<0.01	3.1	0.1	<0.05	8	<0.5	<0.2
REP 117695	QC	11	18	1.66	513	0.304	<1	3.68	0.023	0.67	<0.1	<0.01	3.3	0.1	<0.05	8	<0.5	<0.2
117705	Soil	<1	22	0.34	43	0.016	<1	0.53	0.011	<0.01	<0.1	<0.01	1.4	<0.1	<0.05	1	<0.5	<0.2
REP 117705	QC	<1	21	0.33	43	0.015	<1	0.51	0.011	<0.01	<0.1	<0.01	1.5	<0.1	<0.05	1	<0.5	<0.2
104534	Soil	10	198	1.78	384	0.260	1	3.26	0.011	0.59	0.1	<0.01	7.2	0.4	<0.05	11	<0.5	<0.2
REP 104534	QC	10	195	1.80	374	0.251	<1	3.15	0.011	0.60	0.2	<0.01	7.1	0.4	<0.05	11	0.7	<0.2
104537	Soil	11	48	0.51	239	0.084	<1	2.20	0.009	0.10	0.1	0.01	3.2	0.1	<0.05	7	<0.5	<0.2
REP 104537	QC	11	47	0.53	242	0.085	<1	2.28	0.009	0.10	0.1	0.01	3.3	0.2	<0.05	7	0.6	<0.2
104562	Soil	11	87	1.40	395	0.100	<1	1.80	0.023	0.78	<0.1	0.01	5.9	0.4	<0.05	6	0.7	<0.2
REP 104562	QC	12	84	1.38	396	0.091	<1	1.78	0.024	0.77	<0.1	<0.01	5.6	0.3	<0.05	6	0.6	<0.2
104579	Soil	14	29	0.51	345	0.059	<1	1.24	0.023	0.05	0.2	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
REP 104579	QC	14	28	0.55	345	0.060	<1	1.36	0.025	0.05	0.2	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
104589	Soil	11	28	0.27	278	0.049	2	1.38	0.010	0.05	0.1	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
REP 104589	QC	11	27	0.27	284	0.049	1	1.35	0.010	0.06	0.1	0.05	3.8	0.2	<0.05	4	<0.5	<0.2
103594	Soil	3	162	3.06	246	0.092	<1	2.17	0.005	0.08	<0.1	<0.01	1.4	<0.1	<0.05	6	<0.5	<0.2
REP 103594	QC	3	159	3.04	239	0.092	<1	2.15	0.006	0.08	<0.1	<0.01	1.4	<0.1	<0.05	6	<0.5	<0.2
103602	Soil	5	206	1.49	102	0.032	<1	1.03	0.007	0.01	<0.1	0.01	5.0	<0.1	<0.05	3	<0.5	<0.2
REP 103602	QC	5	207	1.49	106	0.030	<1	1.05	0.006	0.01	<0.1	<0.01	5.3	<0.1	<0.05	3	<0.5	<0.2
103621	Soil	24	50	1.02	206	0.170	<1	2.35	0.012	0.91	<0.1	0.02	4.7	0.6	0.16	8	0.8	<0.2
REP 103621	QC	24	47	0.98	201	0.163	<1	2.21	0.011	0.91	<0.1	0.04	4.5	0.6	0.15	8	1.0	<0.2

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.



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: **Taku Gold Corp**  
680 3rd Ave, Suite 203  
Val D'Or QC J9P 1S5 Canada

Project: DAN  
Report Date: August 10, 2011

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	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
103648	Soil	1.2	53.2	9.5	61	0.2	33.2	10.5	408	2.96	9.2	1.6	3.4	3.9	25	<0.1	0.5	0.1	72	0.34	0.029
REP 103648	QC	1.2	52.6	9.6	61	0.2	33.1	10.3	404	2.96	9.2	1.6	3.7	3.8	25	<0.1	0.4	0.1	73	0.33	0.027
110347	Soil	1.9	39.7	9.1	57	0.1	21.6	9.2	411	2.47	4.4	1.1	3.2	3.9	22	<0.1	0.4	0.1	50	0.25	0.031
REP 110347	QC	1.5	40.1	9.1	55	<0.1	22.0	9.0	398	2.42	4.1	1.0	2.4	3.5	21	<0.1	0.3	0.2	49	0.24	0.030
110369	Soil	1.0	23.6	8.4	54	0.1	18.3	8.2	288	2.32	6.3	1.4	3.0	4.3	26	<0.1	0.4	0.2	46	0.29	0.041
REP 110369	QC	0.9	22.8	8.2	50	0.1	17.3	8.0	273	2.18	6.1	1.3	3.1	3.9	24	<0.1	0.3	0.2	42	0.27	0.040
102361	Soil	0.4	58.0	1.9	14	<0.1	1314	84.8	723	2.92	27.3	0.6	8.4	0.9	70	<0.1	0.5	0.2	27	1.10	0.013
REP 102361	QC	0.3	60.3	1.9	14	<0.1	1349	86.4	742	2.99	28.3	0.6	6.8	1.0	70	<0.1	0.4	0.2	28	1.15	0.014
102363	Soil	0.5	70.1	9.1	81	<0.1	69.3	20.2	548	3.46	2.4	0.6	1.1	3.9	18	<0.1	0.1	0.1	91	0.24	0.030
REP 102363	QC	0.6	72.7	8.5	82	<0.1	69.1	19.9	525	3.30	0.9	0.7	1.8	3.7	17	<0.1	0.2	0.1	93	0.22	0.031
102372	Soil	1.2	35.5	10.2	53	0.1	31.7	10.0	245	2.89	13.1	0.8	26.3	5.7	25	0.1	0.7	0.2	61	0.34	0.027
REP 102372	QC	1.1	35.3	9.7	48	0.1	30.5	10.0	249	2.82	12.8	0.8	17.1	5.8	25	<0.1	0.7	0.2	61	0.32	0.026
Reference Materials																					
STD DS8	Standard	13.3	113.7	131.3	310	1.8	38.6	7.7	619	2.50	25.9	3.0	111.8	7.0	69	2.5	5.7	7.2	42	0.68	0.077
STD DS8	Standard	13.5	114.5	131.6	317	1.8	38.6	7.5	631	2.55	27.7	2.9	115.6	6.9	70	2.3	5.7	7.0	44	0.73	0.081
STD DS8	Standard	12.8	106.3	122.3	302	1.6	37.1	7.3	596	2.39	25.3	2.7	115.4	6.6	60	2.2	5.0	5.9	42	0.69	0.077
STD DS8	Standard	13.6	105.4	120.7	306	1.7	36.2	7.1	601	2.40	25.5	2.7	114.2	6.8	64	2.3	5.1	5.9	41	0.70	0.076
STD DS8	Standard	11.9	102.1	136.8	302	1.7	35.7	7.2	586	2.33	26.1	3.2	104.3	7.5	78	2.4	6.2	7.2	41	0.67	0.079
STD DS8	Standard	13.2	107.6	140.9	312	1.8	37.7	7.6	615	2.49	26.6	3.1	114.6	7.7	84	2.4	6.5	7.7	41	0.70	0.082
STD DS8	Standard	13.1	110.8	118.0	314	1.9	37.0	7.2	624	2.41	27.2	2.7	107.7	6.4	68	2.3	6.4	6.6	43	0.68	0.079
STD DS8	Standard	12.8	109.2	116.6	305	1.8	36.8	7.3	600	2.39	26.5	2.6	109.3	6.2	68	2.2	6.0	6.6	42	0.68	0.080
STD DS8	Standard	13.4	107.9	127.5	303	1.8	38.1	7.4	629	2.52	26.1	2.9	122.4	7.4	60	2.0	5.2	5.9	42	0.70	0.079
STD DS8	Standard	13.1	104.9	126.1	305	1.8	36.9	7.4	608	2.43	25.6	2.9	112.1	7.5	59	2.4	4.6	5.6	43	0.69	0.081
STD DS8	Standard	12.4	104.0	112.1	301	1.7	36.0	7.2	590	2.41	25.6	2.6	101.1	6.2	66	2.1	5.7	6.4	40	0.67	0.079
STD DS8	Standard	12.1	102.0	110.5	296	1.7	35.5	7.1	578	2.34	25.1	2.6	108.2	6.3	66	2.3	5.3	6.3	39	0.65	0.077
STD DS8	Standard	12.3	101.1	116.1	295	1.7	34.9	7.0	558	2.26	24.9	2.6	111.4	6.4	54	2.1	4.4	5.2	40	0.65	0.076
STD DS8	Standard	12.9	102.4	118.5	301	1.7	35.6	7.3	578	2.30	25.6	2.7	101.6	6.6	59	2.1	4.6	5.4	41	0.65	0.075
STD DS8	Standard	12.1	102.9	117.2	309	1.8	35.8	6.9	591	2.39	26.9	2.7	109.0	6.6	66	2.3	5.3	6.8	40	0.68	0.078
STD DS8	Standard	12.6	104.2	119.9	312	1.9	35.8	7.1	606	2.42	26.9	2.8	111.1	6.8	67	2.2	5.4	6.9	41	0.67	0.077



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: **Taku Gold Corp**  
680 3rd Ave, Suite 203  
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		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
103648	Soil	13	45	0.64	469	0.087	<1	1.68	0.014	0.12	0.1	0.04	5.7	<0.1	<0.05	5	1.1	<0.2
REP 103648	QC	13	46	0.63	480	0.088	<1	1.69	0.015	0.12	0.1	0.04	5.9	<0.1	<0.05	5	1.2	<0.2
110347	Soil	14	30	0.57	214	0.085	<1	1.52	0.009	0.13	0.1	0.02	3.0	0.1	<0.05	5	0.7	<0.2
REP 110347	QC	14	29	0.58	205	0.081	<1	1.48	0.009	0.13	0.1	0.01	3.0	0.1	<0.05	4	<0.5	<0.2
110369	Soil	15	27	0.48	277	0.078	<1	1.53	0.011	0.06	0.2	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
REP 110369	QC	14	25	0.46	258	0.069	<1	1.38	0.009	0.05	0.2	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
102361	Soil	4	154	1.43	123	0.011	<1	0.40	0.003	0.02	<0.1	0.07	3.7	<0.1	<0.05	<1	<0.5	<0.2
REP 102361	QC	4	170	1.51	125	0.011	<1	0.42	0.003	0.02	0.1	0.06	3.8	<0.1	<0.05	<1	<0.5	<0.2
102363	Soil	8	47	1.56	1177	0.229	<1	3.52	0.019	0.92	0.1	<0.01	9.9	0.4	<0.05	10	0.9	<0.2
REP 102363	QC	8	44	1.34	1038	0.238	<1	3.16	0.016	0.82	0.2	<0.01	9.3	0.4	<0.05	10	1.5	<0.2
102372	Soil	15	40	0.50	225	0.078	1	1.66	0.010	0.08	0.2	0.05	5.9	<0.1	<0.05	5	0.7	<0.2
REP 102372	QC	15	41	0.50	221	0.077	1	1.63	0.010	0.08	0.2	0.10	6.1	<0.1	<0.05	5	0.9	<0.2
Reference Materials																		
STD DS8	Standard	14	116	0.63	290	0.118	3	0.96	0.099	0.42	2.9	0.24	2.7	5.5	0.12	5	6.6	4.4
STD DS8	Standard	15	120	0.62	294	0.123	3	0.94	0.107	0.44	2.9	0.21	2.7	5.6	0.15	5	6.5	4.9
STD DS8	Standard	14	114	0.61	279	0.105	2	0.92	0.094	0.40	3.0	0.21	2.3	5.4	0.16	5	4.8	4.7
STD DS8	Standard	16	114	0.62	296	0.108	2	0.96	0.106	0.46	2.8	0.22	2.6	5.5	0.16	5	5.8	4.5
STD DS8	Standard	14	113	0.61	280	0.125	4	0.90	0.105	0.42	2.9	0.20	2.6	5.2	0.15	5	4.9	4.4
STD DS8	Standard	16	120	0.63	294	0.130	2	1.01	0.109	0.44	3.1	0.20	2.5	5.5	0.15	5	5.5	4.9
STD DS8	Standard	14	119	0.59	285	0.131	2	0.87	0.087	0.42	3.0	0.21	2.0	5.1	0.16	5	5.3	5.0
STD DS8	Standard	14	118	0.60	281	0.129	3	0.86	0.086	0.42	3.0	0.18	2.1	5.3	0.15	4	4.6	4.9
STD DS8	Standard	15	116	0.61	283	0.115	3	0.90	0.089	0.41	3.0	0.18	2.2	5.6	0.12	5	5.6	4.8
STD DS8	Standard	15	117	0.61	278	0.118	2	0.93	0.088	0.41	3.1	0.20	2.2	5.2	0.14	5	5.4	4.7
STD DS8	Standard	14	111	0.59	271	0.122	3	0.87	0.086	0.39	3.0	0.18	2.0	5.0	0.14	4	5.4	4.7
STD DS8	Standard	14	107	0.58	267	0.119	2	0.86	0.085	0.40	2.8	0.19	2.1	5.0	0.13	4	5.2	4.8
STD DS8	Standard	13	107	0.57	249	0.100	2	0.84	0.080	0.40	2.8	0.18	1.9	4.8	0.16	5	4.8	4.6
STD DS8	Standard	15	110	0.57	266	0.107	2	0.85	0.082	0.40	2.9	0.18	1.9	4.9	0.14	5	5.2	5.0
STD DS8	Standard	14	112	0.59	273	0.110	3	0.88	0.085	0.41	2.9	0.19	2.2	5.2	0.17	5	5.2	4.9
STD DS8	Standard	15	113	0.60	283	0.113	3	0.90	0.087	0.42	2.8	0.22	2.2	5.5	0.17	5	5.4	5.0





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1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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 680 3rd Ave, Suite 203  
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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	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
STD DS8	Standard	13.1	110.3	130.5	311	1.7	39.0	7.8	618	2.49	26.3	2.3	106.2	5.9	58	2.4	4.5	5.4	43	0.72	0.080
STD DS8	Standard	13.6	112.2	132.2	319	1.9	37.1	7.8	626	2.52	27.0	2.3	107.6	6.0	59	2.5	4.8	5.6	44	0.72	0.081
STD DS8	Standard	11.1	98.1	109.9	290	1.8	33.5	6.7	551	2.25	25.2	2.4	103.7	5.8	59	2.2	4.9	6.3	37	0.61	0.076
STD DS8	Standard	10.8	93.4	109.4	282	1.7	31.4	6.4	538	2.15	23.5	2.4	107.1	6.0	58	2.2	4.9	6.3	36	0.59	0.073
STD DS8	Standard	13.4	110.6	121.1	306	1.8	37.9	8.1	589	2.39	25.0	2.7	104.1	6.5	63	2.3	5.9	6.3	41	0.67	0.078
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<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



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
STD DS8	Standard	15	118	0.63	290	0.105	3	0.91	0.087	0.43	3.1	0.21	2.2	5.4	0.16	5	5.2	5.3
STD DS8	Standard	15	119	0.64	298	0.104	3	0.94	0.089	0.42	3.2	0.20	2.2	5.5	0.15	5	5.2	5.0
STD DS8	Standard	12	104	0.56	244	0.096	3	0.80	0.076	0.37	2.6	0.19	1.8	4.8	0.11	4	4.8	4.5
STD DS8	Standard	12	100	0.54	250	0.098	2	0.78	0.072	0.37	2.6	0.19	1.7	4.8	0.11	4	4.8	4.1
STD DS8	Standard	14	117	0.58	280	0.119	2	0.87	0.082	0.42	3.0	0.20	2.1	5.2	0.16	5	5.3	5.4
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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.

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Client: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5 Canada

Submitted By: Lauren Wilson
Receiving Lab: Canada-Whitehorse
Received: July 22, 2011
Report Date: August 09, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000692.1

CLIENT JOB INFORMATION

Project: DAN
Shipment ID: 20110708162622
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil 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: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Mark Fekete

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX2.

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. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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

www.acmelab.com

Client: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000692.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	%	%	
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	
107512	Soil	0.7	52.4	3.4	80	<0.1	143.9	18.1	157	2.71	1.7	0.9	1.3	3.1	21	<0.1	<0.1	<0.1	117	0.35	0.044
107513	Soil	1.1	61.4	7.4	104	<0.1	46.7	10.3	368	3.10	3.8	1.2	2.8	4.3	25	<0.1	0.1	0.1	72	0.22	0.053
107514	Soil	0.9	31.3	9.2	83	0.2	31.1	9.8	352	2.77	6.9	1.2	2.8	5.4	37	<0.1	0.3	0.1	54	0.29	0.045
107515	Soil	0.8	46.7	3.8	81	<0.1	16.5	5.6	116	2.43	0.6	0.6	1.9	0.9	12	<0.1	<0.1	0.1	40	0.07	0.035
107516	Soil	1.9	40.2	6.7	66	0.2	23.3	8.4	302	2.56	4.8	1.4	4.1	3.4	22	0.1	0.3	0.1	86	0.20	0.024
107517	Soil	0.8	32.1	6.4	59	<0.1	28.0	8.0	357	2.01	7.0	0.9	2.4	3.1	13	<0.1	0.3	0.1	45	0.13	0.016
107518	Soil	1.0	42.0	4.5	63	<0.1	55.4	11.8	208	2.24	2.6	0.8	5.7	1.9	23	<0.1	0.2	0.1	68	0.08	0.022
107519	Soil	1.5	54.1	6.0	70	0.2	28.5	6.2	232	2.12	2.8	0.9	3.1	3.2	15	<0.1	0.2	0.1	49	0.09	0.031
107520	Soil	1.0	17.9	8.7	38	0.1	14.0	4.9	175	2.11	5.6	1.0	3.9	1.7	15	0.2	0.3	0.1	47	0.14	0.041
107521	Soil	2.5	63.0	6.3	84	0.3	23.7	6.8	315	2.37	5.5	3.2	3.4	2.8	22	0.2	0.5	0.1	89	0.17	0.047
107522	Soil	1.0	31.0	7.7	76	0.1	24.4	7.6	336	2.36	7.7	0.9	4.1	3.0	13	<0.1	0.5	0.1	51	0.13	0.040
107523	Soil	1.3	85.8	5.1	116	0.2	48.7	11.6	334	3.33	1.5	0.9	2.2	2.2	24	0.2	0.3	0.2	73	0.24	0.038
107524	Soil	2.6	49.2	7.2	82	0.4	25.1	8.1	339	2.65	5.3	1.5	3.2	4.2	13	0.2	0.3	0.1	88	0.08	0.042
107525	Soil	0.9	45.7	5.3	89	<0.1	15.2	4.9	188	2.33	<0.5	0.6	1.0	3.7	7	0.2	<0.1	0.1	34	0.04	0.025
107526	Soil	1.3	33.5	5.8	60	0.3	17.6	5.3	175	1.81	3.9	0.8	3.1	2.6	11	0.2	0.3	0.1	45	0.13	0.032
107527	Soil	0.7	59.2	6.9	197	0.9	86.1	11.8	709	1.96	5.2	1.2	3.1	2.2	18	2.0	0.3	<0.1	46	1.46	0.080
107528	Soil	1.3	36.8	7.0	69	0.2	49.2	10.0	402	2.30	4.1	1.5	1.8	3.9	49	0.2	0.2	0.1	57	0.35	0.043
107529	Soil	1.2	17.6	3.6	55	<0.1	11.6	4.3	287	1.84	1.7	0.9	1.4	4.8	7	<0.1	0.1	0.1	31	0.13	0.017
107530	Soil	1.5	31.1	6.8	64	<0.1	19.7	9.8	314	3.01	5.6	0.6	2.3	3.1	11	0.2	0.2	0.1	78	0.10	0.033
107531	Soil	0.4	11.4	4.7	90	<0.1	21.2	12.5	583	3.79	1.8	1.2	<0.5	23.0	13	<0.1	0.1	<0.1	69	0.20	0.056
107532	Soil	0.3	20.9	3.2	51	<0.1	8.5	15.0	179	2.81	2.1	0.4	1.3	2.0	10	<0.1	0.1	<0.1	79	0.21	0.040
107533	Soil	0.3	38.4	2.4	46	<0.1	85.9	22.5	651	3.32	2.6	1.2	1.1	10.8	17	<0.1	0.1	<0.1	88	0.45	0.126
107534	Soil	0.5	39.9	2.7	49	<0.1	160.9	22.2	380	3.26	1.7	1.0	<0.5	7.3	20	<0.1	<0.1	<0.1	88	0.54	0.088
107535	Soil	1.0	116.9	6.5	104	<0.1	119.6	15.2	728	4.00	3.1	1.6	1.6	9.3	22	<0.1	0.2	0.1	144	0.43	0.105
107536	Soil	0.8	32.8	7.5	78	<0.1	49.8	18.5	498	4.33	5.3	0.5	1.5	6.5	12	<0.1	0.2	<0.1	93	0.13	0.034
107537	Soil	1.2	52.4	7.6	105	<0.1	86.5	16.2	841	3.83	2.8	1.3	5.7	5.5	24	<0.1	0.2	<0.1	106	0.37	0.056
107538	Soil	1.5	40.0	10.1	62	<0.1	38.0	10.3	430	3.04	6.6	1.3	2.3	4.3	15	<0.1	0.4	0.1	67	0.17	0.032
107539	Soil	1.0	72.3	16.1	123	<0.1	43.8	14.8	611	4.56	2.1	1.2	2.4	4.4	10	<0.1	0.2	0.1	84	0.10	0.032
107540	Soil	0.6	20.3	8.1	45	<0.1	19.9	8.3	278	2.33	8.5	0.6	3.5	3.9	19	<0.1	0.4	0.1	50	0.25	0.032
107541	Soil	1.0	43.5	8.6	69	<0.1	34.3	10.4	412	2.71	8.8	0.8	5.0	4.4	19	<0.1	0.5	0.1	59	0.23	0.021

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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CERTIFICATE OF ANALYSIS

WHI11000692.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
107512	Soil	14	191	1.80	614	0.114	<1	2.65	0.018	0.52	<0.1	<0.01	5.7	0.4	<0.05	8	0.7	<0.2
107513	Soil	18	44	1.18	790	0.125	<1	2.37	0.009	0.44	<0.1	0.02	5.6	0.3	<0.05	7	1.0	<0.2
107514	Soil	19	33	0.77	590	0.092	<1	1.85	0.013	0.25	<0.1	0.02	3.9	0.2	<0.05	5	<0.5	<0.2
107515	Soil	2	39	1.28	278	0.188	<1	1.70	0.009	1.02	<0.1	<0.01	2.2	0.5	0.14	5	<0.5	<0.2
107516	Soil	12	40	0.71	259	0.098	<1	1.54	0.012	0.12	<0.1	0.03	3.7	0.1	0.08	5	0.7	<0.2
107517	Soil	12	25	0.65	380	0.059	2	1.46	0.008	0.07	0.1	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
107518	Soil	10	30	1.02	685	0.109	<1	2.01	0.015	0.31	<0.1	0.01	5.3	0.2	0.06	6	<0.5	<0.2
107519	Soil	14	34	0.68	356	0.067	<1	1.39	0.009	0.23	<0.1	0.02	3.4	0.2	0.05	4	0.9	<0.2
107520	Soil	10	26	0.41	275	0.049	<1	1.44	0.008	0.08	0.1	0.02	2.4	0.1	<0.05	5	0.5	<0.2
107521	Soil	10	51	0.63	337	0.065	<1	1.55	0.012	0.10	0.1	0.04	4.2	0.1	<0.05	5	1.3	<0.2
107522	Soil	11	32	0.43	160	0.052	1	1.46	0.008	0.05	0.1	0.04	3.2	<0.1	<0.05	4	0.8	<0.2
107523	Soil	7	65	1.19	548	0.223	<1	1.96	0.018	0.75	<0.1	0.02	6.0	0.4	0.10	7	0.8	<0.2
107524	Soil	11	44	0.69	1012	0.086	1	2.07	0.010	0.22	0.1	0.03	3.5	0.2	0.09	6	1.5	<0.2
107525	Soil	8	34	1.30	362	0.154	<1	2.03	0.009	0.98	<0.1	<0.01	1.9	0.5	<0.05	6	0.8	<0.2
107526	Soil	9	29	0.44	132	0.058	<1	1.21	0.007	0.05	<0.1	0.02	2.1	<0.1	<0.05	4	0.6	<0.2
107527	Soil	16	31	0.50	307	0.036	1	1.34	0.009	0.03	0.1	0.05	3.1	<0.1	0.07	4	1.4	<0.2
107528	Soil	11	66	1.13	442	0.101	<1	2.13	0.019	0.27	0.1	0.02	4.0	0.2	<0.05	6	0.7	<0.2
107529	Soil	11	15	0.37	195	0.095	<1	1.15	0.005	0.32	<0.1	<0.01	3.0	0.2	<0.05	4	<0.5	<0.2
107530	Soil	8	28	0.53	204	0.142	<1	1.90	0.010	0.41	0.1	0.01	4.8	0.2	<0.05	6	<0.5	<0.2
107531	Soil	46	27	1.16	187	0.187	<1	2.42	0.008	0.89	<0.1	<0.01	5.4	0.4	<0.05	10	<0.5	<0.2
107532	Soil	5	15	1.45	294	0.150	<1	2.64	0.027	0.70	0.1	<0.01	2.7	0.3	<0.05	6	<0.5	<0.2
107533	Soil	23	277	2.01	209	0.209	<1	2.13	0.010	0.73	<0.1	<0.01	4.7	0.5	<0.05	8	0.6	<0.2
107534	Soil	14	518	2.61	333	0.234	<1	2.46	0.007	0.71	0.1	<0.01	3.2	0.3	<0.05	8	<0.5	<0.2
107535	Soil	27	194	1.76	828	0.155	<1	2.94	0.009	0.65	0.1	0.01	9.6	0.6	<0.05	11	1.2	<0.2
107536	Soil	10	125	1.54	350	0.225	<1	3.65	0.011	1.04	0.2	<0.01	7.5	0.5	<0.05	11	<0.5	<0.2
107537	Soil	16	196	1.83	650	0.189	<1	2.93	0.010	0.82	<0.1	0.02	7.3	0.7	<0.05	9	0.9	<0.2
107538	Soil	14	48	0.50	307	0.072	<1	1.62	0.009	0.09	0.1	0.09	5.7	0.1	<0.05	5	<0.5	<0.2
107539	Soil	13	69	1.25	428	0.205	<1	2.90	0.018	1.39	<0.1	0.02	7.2	0.9	<0.05	11	0.9	<0.2
107540	Soil	12	30	0.48	285	0.059	<1	1.50	0.012	0.05	0.1	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
107541	Soil	14	38	0.54	264	0.072	1	1.51	0.015	0.07	0.1	0.07	5.4	<0.1	<0.05	5	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

Page: 3 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11000692.1

Method Analyte	1DX15																				
	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	
107542	Soil	0.9	51.8	6.8	65	<0.1	40.9	11.1	498	3.04	5.8	0.7	2.9	4.0	21	<0.1	0.3	<0.1	68	0.28	0.047
107543	Soil	0.9	25.9	5.6	53	0.2	19.9	7.4	263	2.53	3.8	1.0	2.9	3.4	14	<0.1	0.2	<0.1	54	0.26	0.042
107544	Soil	0.7	23.6	6.0	51	0.2	17.5	8.0	214	2.41	4.4	0.7	3.1	3.9	13	<0.1	0.2	0.1	57	0.19	0.030
107545	Soil	0.6	20.9	5.6	50	0.1	14.2	7.7	209	2.30	4.5	0.6	0.8	3.3	14	<0.1	0.2	<0.1	61	0.20	0.023
107546	Soil	0.5	27.3	3.2	73	<0.1	8.0	6.3	177	2.51	<0.5	0.8	0.9	2.9	6	<0.1	<0.1	<0.1	35	0.09	0.026
107547	Soil	1.2	33.8	8.0	64	<0.1	27.8	9.4	350	2.85	6.4	1.4	1.9	5.3	20	<0.1	0.4	0.2	67	0.18	0.030
107548	Soil	0.8	27.2	5.7	64	<0.1	18.6	7.6	289	2.85	4.7	1.0	2.2	3.8	15	<0.1	0.3	0.1	53	0.13	0.022
107549	Soil	0.9	25.5	7.5	57	<0.1	21.2	7.0	252	2.74	6.6	0.9	2.0	4.1	13	<0.1	0.3	0.2	51	0.12	0.022
107550	Soil	0.7	29.8	7.7	58	<0.1	29.9	9.2	193	2.80	6.6	0.6	1.9	4.0	12	<0.1	0.4	0.2	68	0.13	0.021
107551	Soil	0.9	16.6	7.2	71	0.2	16.0	11.6	536	3.15	5.0	0.4	2.3	2.8	14	<0.1	0.3	0.2	69	0.11	0.026
107552	Soil	0.7	42.1	5.8	83	<0.1	18.0	7.5	260	3.41	1.7	1.1	1.1	4.9	9	<0.1	0.2	0.1	73	0.10	0.023
107553	Soil	0.8	25.7	4.7	68	<0.1	11.0	4.9	245	3.14	3.8	0.4	1.6	2.1	4	<0.1	0.2	0.1	43	0.03	0.019
107554	Soil	0.6	26.2	4.0	80	<0.1	11.7	7.3	420	3.39	0.8	0.5	2.4	2.5	5	<0.1	0.1	0.1	56	0.04	0.015
107555	Soil	1.3	29.0	4.7	86	0.2	18.1	7.0	514	3.60	2.8	0.6	1.8	2.8	14	0.1	0.1	0.1	73	0.22	0.051
107556	Soil	1.0	24.1	7.4	61	<0.1	22.6	8.7	269	2.91	8.7	0.4	4.1	3.6	14	<0.1	0.5	0.1	75	0.16	0.021
107557	Soil	0.9	8.6	7.0	43	0.3	9.1	7.7	795	2.21	3.9	0.3	3.5	1.9	12	0.2	0.3	0.1	55	0.13	0.039
107558	Soil	0.7	30.3	3.5	105	<0.1	13.0	10.6	604	5.44	1.7	0.3	1.7	2.8	8	<0.1	<0.1	<0.1	121	0.07	0.022
107559	Soil	0.7	39.4	10.8	84	<0.1	27.8	9.2	345	3.29	2.9	1.4	4.1	6.8	41	<0.1	0.2	0.2	52	0.30	0.022
107560	Soil	0.8	22.7	6.3	99	0.2	15.7	14.7	720	3.75	3.0	0.4	<0.5	2.8	9	<0.1	0.2	0.2	99	0.08	0.030
107561	Soil	0.9	24.8	6.8	48	0.1	22.9	7.7	214	2.59	8.4	0.6	<0.5	4.0	19	<0.1	0.5	0.1	56	0.21	0.021
107562	Soil	0.7	33.6	5.2	101	<0.1	31.5	12.5	714	4.16	4.6	0.7	<0.5	5.2	16	<0.1	0.2	0.1	119	0.19	0.056
107563	Soil	1.0	40.9	4.8	92	<0.1	49.6	15.1	642	4.66	2.3	0.8	<0.5	4.9	16	<0.1	0.1	<0.1	124	0.33	0.093
107564	Soil	1.1	38.4	7.2	65	<0.1	44.9	9.2	259	2.75	5.6	1.4	2.1	3.9	21	<0.1	0.4	0.1	59	0.31	0.057
107565	Soil	1.5	59.5	7.7	79	<0.1	51.2	10.3	447	2.71	4.3	0.8	1.7	3.4	26	0.1	0.4	0.2	45	0.16	0.019
107566	Soil	0.3	38.5	9.1	66	0.2	45.3	11.0	531	3.26	6.7	0.7	6.2	8.3	153	<0.1	0.2	<0.1	68	1.47	0.042
107567	Soil	0.3	80.1	1.1	35	<0.1	54.5	17.1	627	2.80	<0.5	0.2	1.7	0.6	42	<0.1	<0.1	<0.1	63	0.58	0.034
107568	Soil	0.7	30.0	9.3	71	<0.1	26.0	10.2	408	3.21	5.9	1.1	2.6	9.0	18	<0.1	0.3	0.2	66	0.24	0.028
107569	Soil	0.7	26.9	11.0	81	<0.1	30.9	14.3	400	4.36	2.8	0.9	<0.5	10.1	8	<0.1	0.1	0.2	55	0.05	0.023
107570	Soil	0.7	54.2	5.0	59	<0.1	14.9	6.3	383	2.85	1.6	0.6	1.9	3.1	10	<0.1	0.2	0.1	67	0.06	0.021
107571	Soil	1.4	68.7	9.8	113	<0.1	34.1	13.2	680	3.97	3.2	1.0	<0.5	5.8	12	<0.1	0.2	0.2	104	0.13	0.042

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
107542	Soil	13	60	0.86	458	0.118	1	2.00	0.011	0.22	<0.1	0.02	6.9	0.2	<0.05	6	0.7	<0.2
107543	Soil	15	30	0.45	206	0.045	<1	1.31	0.010	0.05	<0.1	0.06	7.4	<0.1	<0.05	4	<0.5	<0.2
107544	Soil	11	26	0.53	229	0.071	1	1.66	0.007	0.13	0.1	0.02	3.3	<0.1	<0.05	5	0.5	<0.2
107545	Soil	11	23	0.69	288	0.087	<1	1.77	0.010	0.18	0.1	0.01	3.8	0.1	<0.05	5	<0.5	<0.2
107546	Soil	11	11	0.83	182	0.090	<1	1.96	0.007	0.52	<0.1	0.01	4.6	0.2	<0.05	6	0.5	<0.2
107547	Soil	21	36	0.66	411	0.100	<1	2.07	0.009	0.26	0.1	0.02	5.8	0.1	<0.05	6	<0.5	<0.2
107548	Soil	14	26	0.65	236	0.121	<1	1.81	0.009	0.35	<0.1	0.01	4.4	0.2	<0.05	5	0.7	<0.2
107549	Soil	12	28	0.64	260	0.094	<1	2.10	0.009	0.24	<0.1	0.02	3.7	0.2	<0.05	5	0.6	<0.2
107550	Soil	12	40	0.76	194	0.113	<1	1.90	0.008	0.26	<0.1	0.01	3.5	0.2	<0.05	6	<0.5	<0.2
107551	Soil	8	26	0.61	221	0.136	<1	2.23	0.007	0.17	0.1	0.01	4.6	0.1	<0.05	7	<0.5	<0.2
107552	Soil	23	24	0.76	334	0.136	<1	1.91	0.008	0.40	<0.1	0.02	7.1	0.2	<0.05	7	<0.5	<0.2
107553	Soil	6	14	0.56	181	0.146	<1	1.97	0.005	0.52	<0.1	<0.01	4.9	0.2	<0.05	6	<0.5	<0.2
107554	Soil	10	16	0.58	235	0.194	<1	1.66	0.005	0.68	<0.1	0.02	9.3	0.2	<0.05	6	<0.5	<0.2
107555	Soil	8	22	0.77	323	0.178	<1	2.01	0.007	0.73	<0.1	0.02	6.6	0.2	<0.05	8	<0.5	<0.2
107556	Soil	8	33	0.65	265	0.121	<1	2.01	0.009	0.25	0.1	0.04	4.5	<0.1	<0.05	6	<0.5	<0.2
107557	Soil	7	19	0.29	306	0.074	<1	1.11	0.009	0.12	0.1	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
107558	Soil	5	24	1.34	451	0.300	<1	3.01	0.009	1.51	0.2	0.01	16.6	0.3	<0.05	12	<0.5	<0.2
107559	Soil	28	34	1.22	256	0.181	<1	2.74	0.028	0.75	<0.1	0.05	5.3	0.5	<0.05	8	<0.5	<0.2
107560	Soil	6	21	0.75	370	0.186	<1	2.47	0.006	0.47	0.2	<0.01	6.6	0.2	<0.05	9	<0.5	<0.2
107561	Soil	15	33	0.58	293	0.088	<1	1.54	0.012	0.09	0.1	0.02	5.8	<0.1	<0.05	5	<0.5	<0.2
107562	Soil	9	150	1.94	630	0.240	<1	3.31	0.015	1.17	<0.1	<0.01	11.7	0.3	<0.05	12	<0.5	<0.2
107563	Soil	16	131	1.82	717	0.272	<1	3.08	0.012	1.57	0.1	<0.01	15.4	0.4	<0.05	10	0.5	<0.2
107564	Soil	14	86	0.72	348	0.109	<1	1.58	0.013	0.26	0.1	0.02	5.1	0.2	<0.05	5	<0.5	<0.2
107565	Soil	8	36	0.24	206	0.024	<1	0.78	0.007	0.05	<0.1	0.35	5.3	<0.1	<0.05	3	0.6	<0.2
107566	Soil	27	59	1.17	555	0.120	1	3.57	0.075	0.15	0.1	0.05	6.2	0.2	<0.05	10	<0.5	<0.2
107567	Soil	4	69	0.52	474	0.011	<1	1.30	0.022	0.04	<0.1	0.01	9.9	<0.1	<0.05	3	<0.5	<0.2
107568	Soil	22	48	0.74	315	0.157	<1	1.89	0.010	0.40	0.1	0.02	5.8	0.3	<0.05	7	<0.5	<0.2
107569	Soil	23	48	0.80	235	0.248	<1	2.21	0.007	0.78	<0.1	<0.01	5.9	0.6	<0.05	9	<0.5	<0.2
107570	Soil	9	21	0.14	166	0.021	<1	0.68	0.004	0.09	<0.1	0.01	8.3	0.1	<0.05	3	0.6	<0.2
107571	Soil	18	62	1.11	757	0.237	<1	2.33	0.009	0.84	0.2	<0.01	7.2	0.4	<0.05	9	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	
107572	Soil	0.6	54.8	8.7	91	<0.1	46.2	13.3	674	4.40	1.1	1.4	<0.5	12.7	13	<0.1	<0.1	0.3	78	0.17	0.036
107573	Soil	0.8	48.1	7.6	70	<0.1	30.1	10.3	873	3.28	4.2	0.9	<0.5	6.7	13	<0.1	0.3	0.1	65	0.21	0.070
107574	Soil	0.6	41.7	7.7	70	<0.1	40.0	11.7	358	3.51	2.6	0.7	2.5	9.7	18	<0.1	0.1	0.2	59	0.26	0.044
107575	Soil	0.7	29.6	7.1	53	<0.1	27.1	10.3	353	2.85	4.4	0.6	1.1	6.9	18	0.1	0.2	0.1	63	0.27	0.036
107576	Soil	0.7	14.3	8.4	47	<0.1	29.1	10.0	410	2.58	6.9	0.7	<0.5	4.6	24	<0.1	0.3	0.1	53	0.33	0.023
107577	Soil	0.6	43.6	4.5	76	<0.1	40.8	9.2	607	2.72	1.6	0.7	0.9	4.0	18	<0.1	<0.1	0.1	66	0.36	0.024
107578	Soil	0.6	84.0	3.6	62	<0.1	51.2	12.2	320	3.11	1.9	1.3	2.3	4.8	23	<0.1	0.1	0.1	119	0.41	0.043
107579	Soil	0.8	25.0	6.4	51	<0.1	25.1	6.7	253	2.00	6.8	1.9	2.8	3.6	21	<0.1	0.4	0.2	38	0.25	0.041
107580	Soil	1.2	29.0	8.9	60	0.1	31.8	10.5	314	2.79	9.1	0.7	2.6	3.3	11	0.1	0.6	0.2	54	0.08	0.025
107581	Soil	0.8	26.0	7.8	54	<0.1	24.2	9.6	283	2.61	9.3	0.8	4.9	4.8	15	<0.1	0.6	0.2	53	0.12	0.016
107582	Soil	1.1	52.7	8.0	58	0.1	30.2	10.6	398	2.81	8.3	1.7	3.7	4.6	17	<0.1	0.5	0.2	56	0.18	0.032
107583	Soil	2.0	27.2	9.2	47	0.2	22.3	7.1	218	2.79	6.7	1.2	4.6	4.1	13	0.1	0.4	0.2	58	0.11	0.040
107584	Soil	1.4	25.8	10.0	41	0.3	19.8	8.5	226	2.67	7.6	1.2	8.3	4.3	15	<0.1	0.4	0.2	60	0.15	0.024
107585	Soil	1.5	56.9	7.7	72	0.1	42.5	12.5	337	3.10	5.8	2.0	5.8	5.6	16	<0.1	0.5	0.3	57	0.14	0.024
107586	Soil	1.5	48.3	8.1	71	<0.1	34.5	17.6	657	2.91	4.8	1.3	3.2	4.1	15	<0.1	0.4	0.2	63	0.15	0.043
107587	Soil	1.2	34.4	8.1	52	<0.1	22.6	8.3	234	2.30	4.5	1.6	3.9	4.4	20	<0.1	0.5	0.2	54	0.21	0.027
107588	Soil	0.8	33.2	8.2	58	0.1	31.4	11.1	429	2.54	9.2	0.6	2.4	4.1	51	0.3	0.6	0.1	58	1.21	0.072
107589	Soil	1.0	31.1	7.1	53	<0.1	27.3	9.9	379	2.39	8.2	0.5	2.8	4.1	38	0.2	0.7	0.1	61	0.75	0.074
107590	Soil	0.7	37.7	7.7	58	0.1	28.6	10.6	426	2.41	9.3	0.5	4.5	4.0	63	0.3	0.8	0.1	58	2.02	0.076
107591	Soil	0.7	33.3	7.5	49	<0.1	25.8	9.6	355	2.22	9.1	0.8	3.4	3.6	51	0.2	0.7	0.1	49	1.16	0.064
107592	Soil	0.6	37.7	8.3	45	<0.1	29.8	9.3	318	2.19	9.4	0.6	3.9	4.9	32	<0.1	0.6	0.1	50	0.48	0.061
107593	Soil	1.1	24.4	9.2	51	<0.1	29.0	10.8	367	2.63	10.3	1.0	1.0	5.1	34	<0.1	0.7	0.2	61	0.44	0.029
107594	Soil	0.7	41.5	8.0	53	0.1	33.5	11.0	368	2.49	9.2	0.6	8.8	4.3	69	0.2	0.7	0.1	59	2.28	0.050
107595	Soil	0.7	19.0	6.9	43	<0.1	24.7	8.4	240	2.15	6.8	1.2	25.7	4.5	30	<0.1	0.4	0.1	53	0.44	0.063
101250	Soil	0.9	23.0	5.6	78	<0.1	15.1	14.5	606	3.86	3.8	1.0	0.6	6.3	23	<0.1	0.2	<0.1	98	0.34	0.060
101251	Soil	0.9	33.2	5.0	99	<0.1	16.1	22.4	1125	6.25	4.0	0.9	1.1	12.6	23	<0.1	0.2	<0.1	125	0.43	0.100
101252	Soil	0.8	26.4	10.6	80	<0.1	31.1	16.7	542	4.62	5.7	1.2	1.7	15.8	16	<0.1	0.3	0.2	75	0.20	0.034
101253	Soil	0.7	32.4	4.7	77	<0.1	19.4	25.1	1068	5.43	3.8	0.8	0.5	8.8	58	<0.1	0.2	<0.1	146	0.58	0.056
101254	Soil	6.3	47.4	8.3	54	1.0	13.1	4.2	184	2.38	3.6	1.4	1.3	2.8	32	0.2	1.0	0.2	57	0.05	0.075
101255	Soil	1.6	50.3	10.5	55	0.2	27.8	11.2	318	3.04	12.0	1.5	5.3	5.6	25	<0.1	1.0	0.2	75	0.21	0.023

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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: **Taku Gold Corp**  
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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
107572	Soil	44	72	1.22	419	0.298	<1	2.52	0.009	1.25	0.1	<0.01	8.6	0.6	<0.05	9	<0.5	<0.2
107573	Soil	16	37	0.71	214	0.138	<1	1.59	0.007	0.67	0.2	<0.01	5.3	0.3	<0.05	6	<0.5	<0.2
107574	Soil	33	75	1.12	338	0.189	<1	2.23	0.009	0.80	<0.1	<0.01	5.4	0.4	<0.05	8	<0.5	<0.2
107575	Soil	20	49	0.79	285	0.155	<1	1.75	0.010	0.20	0.2	0.01	5.1	0.2	<0.05	7	<0.5	<0.2
107576	Soil	12	34	0.64	307	0.086	<1	1.72	0.016	0.07	0.1	<0.01	3.0	0.1	<0.05	5	<0.5	<0.2
107577	Soil	17	40	1.94	711	0.184	<1	2.64	0.012	0.77	<0.1	<0.01	7.1	0.3	<0.05	7	<0.5	<0.2
107578	Soil	17	101	1.45	550	0.103	<1	1.99	0.012	0.24	<0.1	0.02	11.9	0.2	<0.05	8	<0.5	<0.2
107579	Soil	13	25	0.38	254	0.045	<1	1.04	0.012	0.11	<0.1	0.03	3.6	<0.1	<0.05	3	0.6	<0.2
107580	Soil	10	36	0.45	241	0.076	<1	1.93	0.008	0.20	0.2	0.02	2.7	0.1	<0.05	5	<0.5	<0.2
107581	Soil	11	35	0.45	201	0.068	<1	1.61	0.009	0.11	0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
107582	Soil	13	40	0.53	316	0.094	<1	1.52	0.010	0.25	0.1	0.02	4.1	0.2	<0.05	5	0.6	<0.2
107583	Soil	11	35	0.39	192	0.050	<1	1.55	0.007	0.12	0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
107584	Soil	12	36	0.38	252	0.061	<1	1.75	0.010	0.07	0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
107585	Soil	17	36	0.50	241	0.107	<1	1.76	0.009	0.29	0.1	0.02	5.3	0.2	<0.05	4	1.1	<0.2
107586	Soil	12	42	0.59	280	0.133	<1	1.86	0.010	0.35	0.1	0.01	3.1	0.2	<0.05	5	<0.5	<0.2
107587	Soil	13	33	0.44	284	0.101	<1	1.45	0.014	0.13	0.1	0.03	3.9	0.1	<0.05	4	<0.5	<0.2
107588	Soil	13	36	0.66	261	0.083	<1	1.22	0.034	0.06	0.1	0.04	3.9	<0.1	<0.05	4	0.7	<0.2
107589	Soil	13	35	0.56	220	0.088	<1	1.29	0.031	0.07	0.2	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
107590	Soil	13	33	0.72	245	0.095	1	1.24	0.037	0.07	0.2	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
107591	Soil	13	30	0.54	304	0.063	<1	1.07	0.027	0.05	0.2	0.03	2.9	<0.1	<0.05	3	<0.5	<0.2
107592	Soil	15	31	0.52	232	0.072	<1	1.21	0.024	0.06	0.2	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
107593	Soil	16	41	0.52	318	0.071	<1	1.46	0.023	0.05	0.2	0.02	5.1	<0.1	<0.05	4	<0.5	<0.2
107594	Soil	13	36	0.66	352	0.094	<1	1.30	0.035	0.08	0.2	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
107595	Soil	14	36	0.50	226	0.075	<1	1.25	0.018	0.06	0.2	0.02	3.2	<0.1	<0.05	4	0.7	<0.2
101250	Soil	11	28	1.02	232	0.180	<1	2.33	0.013	0.80	<0.1	<0.01	6.1	0.2	<0.05	8	<0.5	<0.2
101251	Soil	15	29	2.01	343	0.341	<1	3.45	0.009	1.16	0.2	<0.01	5.6	0.4	<0.05	11	<0.5	<0.2
101252	Soil	13	61	1.09	298	0.348	<1	2.63	0.009	1.14	<0.1	<0.01	7.1	0.4	<0.05	11	<0.5	<0.2
101253	Soil	11	23	1.60	457	0.315	<1	3.52	0.011	0.79	<0.1	<0.01	3.6	0.1	<0.05	10	<0.5	<0.2
101254	Soil	7	26	0.24	388	0.033	<1	0.75	0.006	0.20	<0.1	<0.01	1.5	0.2	0.31	2	4.8	<0.2
101255	Soil	17	44	0.56	367	0.090	<1	2.08	0.012	0.06	0.1	0.08	6.1	0.1	<0.05	5	0.8	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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CERTIFICATE OF ANALYSIS

WHI11000692.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
101256	Soil	2.8	74.1	10.2	156	<0.1	90.3	20.9	733	3.90	9.9	1.6	7.3	6.1	21	0.2	0.5	0.3	109	0.21	0.032
101257	Soil	0.9	28.0	8.3	68	<0.1	29.4	14.1	263	3.73	7.9	0.9	<0.5	9.7	18	<0.1	0.4	0.2	80	0.18	0.022
101258	Soil	0.4	26.8	5.3	95	<0.1	32.7	15.9	434	4.09	5.3	0.7	<0.5	10.4	14	<0.1	0.2	0.1	89	0.12	0.018
101259	Soil	0.5	33.0	7.9	89	<0.1	31.7	15.2	568	4.48	3.8	1.4	<0.5	21.5	43	<0.1	0.2	0.2	89	0.44	0.089
101260	Soil	0.8	26.3	9.5	70	<0.1	23.4	13.5	278	3.92	6.2	1.5	1.3	11.6	25	<0.1	0.4	0.2	65	0.13	0.022
101261	Soil	0.8	28.8	11.6	95	<0.1	30.9	17.1	626	4.79	5.0	1.0	0.7	10.0	14	<0.1	0.2	0.2	100	0.16	0.027
101262	Soil	0.9	28.9	12.6	68	<0.1	30.5	17.0	450	3.85	8.4	1.2	1.5	10.6	20	<0.1	0.4	0.2	80	0.17	0.024
101263	Soil	0.8	40.6	7.0	104	<0.1	37.5	18.0	425	5.85	4.7	2.3	1.6	21.9	15	<0.1	0.2	0.2	99	0.12	0.023
101264	Soil	0.8	30.3	7.6	73	<0.1	32.3	16.6	334	3.88	7.1	1.2	0.5	12.8	16	<0.1	0.4	0.2	64	0.12	0.024
101265	Soil	0.6	28.0	8.1	79	<0.1	32.9	17.1	384	4.27	6.2	0.9	3.7	11.7	25	<0.1	0.3	0.2	82	0.17	0.017
101266	Soil	0.6	28.5	8.6	67	<0.1	30.1	13.2	310	3.57	6.4	1.4	1.9	11.5	22	<0.1	0.4	0.2	65	0.18	0.019
101267	Soil	0.6	25.8	7.6	64	<0.1	29.5	13.2	324	3.57	5.1	1.1	1.0	11.9	28	<0.1	0.3	0.1	73	0.31	0.032
101268	Soil	0.8	22.8	8.1	58	<0.1	25.3	10.8	261	3.20	6.2	1.1	0.5	7.6	29	<0.1	0.4	0.1	69	0.32	0.024
101269	Soil	0.6	23.7	8.1	71	<0.1	28.0	13.1	338	3.80	4.6	1.2	2.5	10.0	31	<0.1	0.2	0.2	74	0.33	0.038
101270	Soil	0.5	23.0	6.8	78	<0.1	29.3	14.1	334	3.95	4.2	1.2	<0.5	10.0	23	<0.1	0.2	0.1	78	0.31	0.045
101271	Soil	0.8	16.8	9.3	56	<0.1	17.8	8.5	211	2.82	7.0	1.2	2.2	8.2	17	<0.1	0.3	0.1	59	0.17	0.029
101272	Soil	0.6	17.9	8.7	63	<0.1	21.5	10.3	262	2.99	6.5	1.0	<0.5	8.3	20	<0.1	0.2	0.1	59	0.27	0.033
101273	Soil	0.6	19.7	6.8	65	<0.1	22.8	11.2	285	3.22	6.3	1.3	<0.5	10.8	33	<0.1	0.2	0.1	57	0.36	0.053
101274	Soil	0.8	29.1	9.0	89	<0.1	32.2	13.9	355	4.08	8.3	1.2	<0.5	12.6	31	<0.1	0.4	0.1	67	0.33	0.038
101275	Soil	2.9	79.0	8.8	89	0.5	13.1	2.3	118	2.73	2.0	2.4	0.5	2.0	12	0.3	0.4	0.1	105	0.09	0.060
101276	Soil	1.3	23.1	10.2	53	<0.1	24.1	12.0	190	3.22	8.5	0.5	1.8	3.2	9	<0.1	0.4	0.3	65	0.10	0.024
101277	Soil	0.3	66.2	9.6	53	<0.1	40.3	21.2	126	4.07	3.4	0.4	<0.5	4.0	6	<0.1	0.1	0.4	45	0.06	0.017
101278	Soil	1.0	32.6	8.8	52	<0.1	24.5	11.6	270	2.67	9.0	0.9	<0.5	4.3	11	<0.1	0.4	0.2	49	0.11	0.021
101279	Soil	1.3	40.2	9.2	61	0.1	28.7	11.7	374	2.92	10.3	1.6	1.0	4.2	24	<0.1	0.5	0.2	56	0.27	0.049
101280	Soil	0.9	16.1	10.1	29	<0.1	11.8	4.8	85	2.18	4.9	0.6	<0.5	3.1	8	0.1	0.2	0.2	45	0.07	0.028
101281	Soil	1.8	74.3	10.9	82	<0.1	34.5	15.1	338	3.21	6.5	1.0	0.5	5.0	23	<0.1	0.3	0.2	78	0.13	0.036
101282	Soil	6.6	84.5	12.6	94	0.2	32.3	14.9	591	3.27	2.6	2.4	<0.5	3.8	26	0.2	0.2	0.3	69	0.11	0.053
101283	Soil	1.7	34.3	10.1	54	<0.1	19.9	10.4	285	3.21	5.8	0.7	<0.5	3.4	12	0.1	0.3	0.2	55	0.10	0.038
101284	Soil	3.1	31.8	12.0	60	0.1	24.0	8.2	250	3.02	6.9	1.0	1.5	3.5	13	0.2	0.3	0.2	62	0.11	0.045
101285	Soil	0.7	38.5	10.6	72	<0.1	28.6	12.9	164	3.40	5.8	0.6	<0.5	4.4	9	<0.1	0.2	0.2	46	0.08	0.016

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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CERTIFICATE OF ANALYSIS

WHI11000692.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
101256	Soil	29	80	0.88	482	0.142	<1	2.60	0.009	0.14	<0.1	0.09	11.2	0.2	<0.05	8	0.7	<0.2
101257	Soil	14	55	0.81	216	0.177	<1	2.81	0.014	0.29	0.1	<0.01	5.4	0.3	<0.05	9	<0.5	<0.2
101258	Soil	13	75	1.08	186	0.359	<1	2.80	0.009	1.02	0.2	<0.01	9.6	0.8	<0.05	12	<0.5	<0.2
101259	Soil	41	81	1.11	199	0.276	<1	3.49	0.018	1.00	0.2	<0.01	9.1	0.7	<0.05	14	<0.5	<0.2
101260	Soil	32	45	0.75	199	0.200	<1	2.69	0.010	0.49	<0.1	0.01	4.1	0.4	<0.05	8	<0.5	<0.2
101261	Soil	12	70	1.31	221	0.351	<1	3.38	0.011	0.90	0.2	<0.01	7.5	0.3	<0.05	13	<0.5	<0.2
101262	Soil	15	58	0.84	234	0.186	<1	3.05	0.012	0.35	0.1	0.02	5.9	0.2	<0.05	8	<0.5	<0.2
101263	Soil	23	83	1.44	250	0.409	<1	3.98	0.010	1.36	0.1	0.01	8.7	1.0	<0.05	15	<0.5	<0.2
101264	Soil	13	50	0.79	203	0.221	2	2.80	0.008	0.61	0.1	0.01	3.5	0.4	<0.05	8	<0.5	<0.2
101265	Soil	16	68	0.96	217	0.259	<1	3.51	0.012	0.60	0.2	<0.01	6.4	0.6	<0.05	11	<0.5	<0.2
101266	Soil	37	48	0.79	177	0.191	<1	2.69	0.011	0.34	<0.1	0.01	4.3	0.3	<0.05	8	<0.5	<0.2
101267	Soil	30	63	0.78	186	0.208	<1	2.51	0.011	0.35	0.1	0.02	5.0	0.3	<0.05	8	<0.5	<0.2
101268	Soil	19	49	0.65	187	0.162	<1	2.23	0.014	0.18	0.2	0.01	4.3	0.2	<0.05	7	<0.5	<0.2
101269	Soil	19	59	0.84	179	0.219	1	2.54	0.015	0.46	0.1	<0.01	5.0	0.4	<0.05	9	<0.5	<0.2
101270	Soil	18	77	0.92	171	0.215	<1	2.56	0.013	0.46	0.2	<0.01	5.6	0.3	<0.05	10	<0.5	<0.2
101271	Soil	26	37	0.55	131	0.109	2	1.89	0.010	0.15	0.1	0.02	3.0	0.2	0.07	8	0.5	<0.2
101272	Soil	23	42	0.73	155	0.133	1	2.02	0.011	0.23	0.1	0.01	3.4	0.2	<0.05	8	<0.5	<0.2
101273	Soil	30	46	0.78	171	0.143	<1	2.08	0.011	0.44	0.1	0.01	4.0	0.3	<0.05	7	0.6	<0.2
101274	Soil	26	69	0.92	182	0.144	<1	2.44	0.012	0.54	0.1	0.03	5.5	0.4	<0.05	10	0.6	<0.2
101275	Soil	5	48	0.89	657	0.148	<1	1.36	0.013	0.71	<0.1	0.01	4.2	0.5	0.26	5	2.0	<0.2
101276	Soil	9	33	0.60	164	0.095	1	2.28	0.009	0.13	0.1	0.02	2.6	0.1	<0.05	7	0.5	<0.2
101277	Soil	10	41	1.29	126	0.208	<1	2.95	0.014	1.09	<0.1	<0.01	3.7	0.6	<0.05	8	<0.5	<0.2
101278	Soil	10	31	0.62	183	0.086	2	1.88	0.012	0.19	0.1	0.04	2.7	0.2	<0.05	5	<0.5	<0.2
101279	Soil	13	36	0.62	310	0.075	1	1.80	0.012	0.11	0.1	0.03	5.2	0.1	<0.05	5	0.8	<0.2
101280	Soil	10	21	0.39	97	0.084	1	1.43	0.007	0.17	<0.1	0.02	1.8	0.2	<0.05	6	0.6	<0.2
101281	Soil	14	39	0.79	172	0.100	1	2.31	0.010	0.22	<0.1	0.02	3.1	0.3	<0.05	6	0.8	<0.2
101282	Soil	12	33	0.92	204	0.108	1	1.85	0.021	0.62	<0.1	<0.01	3.3	0.5	0.21	6	1.4	<0.2
101283	Soil	9	32	0.63	159	0.103	1	2.05	0.012	0.32	0.1	0.01	2.4	0.3	0.06	6	0.6	<0.2
101284	Soil	10	40	0.49	131	0.089	2	1.80	0.010	0.14	0.1	0.03	2.2	0.2	<0.05	6	0.5	<0.2
101285	Soil	10	33	0.80	163	0.148	<1	2.27	0.009	0.56	<0.1	0.02	2.5	0.4	<0.05	6	<0.5	<0.2

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

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Client: **Taku Gold Corp**  
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Project: DAN  
 Report Date: August 09, 2011

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CERTIFICATE OF ANALYSIS

WHI11000692.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	
101286	Soil	0.6	49.8	11.8	77	<0.1	34.6	13.2	242	3.46	2.7	1.0	<0.5	15.7	10	<0.1	0.1	0.3	38	0.11	0.024
101287	Soil	0.5	47.9	10.5	65	<0.1	32.5	15.4	190	3.05	5.2	0.6	1.2	4.3	8	<0.1	0.2	0.3	45	0.09	0.014
101288	Soil	0.6	65.7	11.0	75	<0.1	36.8	16.2	239	3.34	6.1	0.6	1.1	4.5	8	<0.1	0.3	0.3	50	0.08	0.015
101289	Soil	2.2	26.8	9.3	50	0.1	22.8	9.3	185	2.81	4.3	0.7	<0.5	4.1	10	0.1	0.2	0.3	52	0.08	0.022
101290	Soil	2.4	24.7	9.8	48	0.1	17.0	7.1	164	2.64	4.5	0.8	<0.5	4.3	10	<0.1	0.2	0.3	57	0.08	0.024
101291	Soil	2.4	59.7	13.1	84	<0.1	36.0	14.1	219	3.71	2.7	1.6	<0.5	5.3	11	0.1	0.2	0.3	55	0.06	0.028
101292	Soil	2.2	34.1	9.9	45	0.2	24.7	9.6	191	3.47	7.3	0.8	<0.5	3.3	14	0.1	0.3	0.2	55	0.09	0.026
101293	Soil	1.9	41.9	12.2	57	<0.1	36.6	10.9	280	2.89	8.5	0.9	<0.5	4.1	13	<0.1	0.4	0.2	53	0.14	0.020
101294	Soil	1.5	37.7	9.3	53	<0.1	25.2	10.7	247	2.43	4.2	0.8	0.9	4.4	12	<0.1	0.2	0.2	42	0.16	0.024
101295	Soil	1.6	63.9	10.5	75	<0.1	58.2	20.5	1075	3.43	9.5	0.8	<0.5	3.9	10	<0.1	0.4	0.2	60	0.09	0.018
101296	Soil	1.3	24.3	14.5	57	<0.1	20.6	13.5	611	3.18	6.9	0.3	0.8	2.6	24	<0.1	0.3	0.2	49	0.13	0.055
101297	Soil	2.1	62.5	12.1	67	<0.1	15.4	6.8	230	3.37	1.7	1.0	<0.5	2.6	10	<0.1	0.2	0.2	49	0.02	0.034
101298	Soil	1.8	57.0	10.1	55	<0.1	30.6	14.6	528	2.82	8.4	1.7	3.2	4.4	21	<0.1	0.5	0.2	58	0.19	0.020
101299	Soil	2.5	44.5	11.3	56	<0.1	24.7	10.3	249	2.89	7.4	1.0	<0.5	3.8	15	<0.1	0.5	0.2	55	0.11	0.031
101300	Soil	2.1	49.4	10.5	70	<0.1	25.9	12.2	373	2.98	4.6	1.2	4.3	4.6	15	<0.1	0.4	0.2	57	0.10	0.034
101301	Soil	3.3	16.3	15.2	59	0.5	14.4	6.5	212	3.03	8.4	0.7	<0.5	3.5	16	0.2	0.5	0.2	68	0.12	0.041
101302	Soil	1.6	19.3	11.5	64	0.2	22.8	9.9	619	2.59	9.6	0.5	2.2	2.6	28	0.2	0.4	0.2	54	0.31	0.069
101303	Soil	1.9	77.6	12.4	70	0.1	17.8	7.7	394	3.55	3.2	1.1	<0.5	5.5	36	<0.1	0.2	0.2	52	0.09	0.044
101304	Soil	0.8	27.1	9.6	60	<0.1	28.7	12.1	241	2.93	6.3	1.0	5.1	8.8	15	<0.1	0.3	0.1	52	0.15	0.028
101305	Soil	1.3	47.2	12.3	71	<0.1	35.1	12.9	343	3.04	4.9	1.3	2.8	10.1	17	<0.1	0.4	0.3	43	0.17	0.026
101306	Soil	2.0	78.3	12.5	84	0.2	41.5	16.0	450	3.00	5.4	1.5	5.5	6.7	27	<0.1	0.5	0.4	55	0.27	0.022
101307	Soil	2.2	49.4	11.6	59	0.1	34.8	12.7	872	2.81	6.8	1.2	2.1	4.2	23	<0.1	0.5	0.2	56	0.27	0.021
101308	Soil	2.0	64.3	12.3	61	0.1	41.1	15.5	965	2.98	8.9	1.0	5.5	4.2	29	<0.1	0.7	0.3	60	0.39	0.017
101309	Soil	1.7	40.0	11.8	75	<0.1	31.5	11.5	817	2.93	10.3	1.7	5.2	4.5	32	<0.1	0.9	0.2	62	0.39	0.036
101310	Soil	1.2	59.9	8.7	55	0.1	30.5	7.1	675	2.24	2.2	1.1	4.6	3.5	16	0.1	0.3	0.2	41	0.15	0.022
101311	Soil	0.8	20.9	10.8	70	<0.1	31.6	15.1	243	2.90	3.4	0.3	<0.5	3.8	18	<0.1	0.2	0.3	45	0.20	0.056
101312	Soil	2.0	80.1	6.4	96	<0.1	66.0	20.3	645	5.08	2.6	1.3	2.0	11.8	30	<0.1	0.2	0.2	132	0.42	0.096
101313	Soil	2.7	48.9	11.9	74	<0.1	38.5	17.1	779	2.60	3.6	1.1	1.0	4.4	12	<0.1	0.2	0.1	52	0.08	0.034
101314	Soil	1.9	78.8	12.3	106	0.2	39.0	14.4	367	3.92	3.9	0.9	3.5	4.4	12	<0.1	0.3	0.2	56	0.09	0.025
101315	Soil	1.7	42.3	9.4	48	0.2	20.2	6.7	248	2.72	5.3	1.1	4.8	4.2	13	<0.1	0.3	0.2	59	0.09	0.019

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
101286	Soil	37	35	0.92	140	0.190	<1	2.32	0.008	0.98	0.1	<0.01	2.7	0.6	<0.05	7	<0.5	<0.2
101287	Soil	12	34	0.87	127	0.144	<1	2.00	0.008	0.59	0.1	0.01	2.9	0.3	<0.05	6	<0.5	<0.2
101288	Soil	10	38	0.92	119	0.176	<1	2.32	0.009	0.74	0.1	0.01	2.9	0.4	<0.05	7	<0.5	<0.2
101289	Soil	9	29	0.69	101	0.106	<1	1.64	0.008	0.40	<0.1	0.01	1.9	0.3	<0.05	6	0.6	<0.2
101290	Soil	10	27	0.62	107	0.099	1	1.59	0.009	0.28	0.1	0.01	1.8	0.2	0.05	6	<0.5	<0.2
101291	Soil	18	42	0.77	129	0.117	<1	1.84	0.009	0.40	<0.1	0.02	4.5	0.5	<0.05	6	0.7	<0.2
101292	Soil	8	36	0.72	149	0.099	<1	2.12	0.011	0.26	0.1	0.02	2.3	0.3	0.09	6	0.5	<0.2
101293	Soil	10	34	0.62	155	0.075	2	2.18	0.008	0.14	<0.1	0.02	2.5	0.1	<0.05	6	<0.5	<0.2
101294	Soil	12	28	0.68	111	0.104	1	1.60	0.008	0.23	0.1	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
101295	Soil	9	47	0.95	207	0.097	1	2.75	0.010	0.29	<0.1	0.01	4.6	0.2	<0.05	8	0.8	<0.2
101296	Soil	9	27	1.17	186	0.126	2	2.36	0.009	0.69	0.1	0.02	3.8	0.3	<0.05	8	<0.5	<0.2
101297	Soil	6	35	1.10	114	0.139	<1	2.12	0.021	0.90	<0.1	<0.01	3.3	0.6	0.21	6	<0.5	<0.2
101298	Soil	19	42	0.52	200	0.073	1	1.51	0.013	0.07	0.1	0.03	6.0	<0.1	<0.05	5	0.8	<0.2
101299	Soil	9	34	0.50	150	0.058	1	1.91	0.010	0.09	0.1	0.02	2.4	0.1	0.07	5	0.6	<0.2
101300	Soil	13	31	0.81	147	0.099	1	1.98	0.012	0.30	0.1	<0.01	2.6	0.2	0.06	6	0.5	<0.2
101301	Soil	9	32	0.35	149	0.041	<1	1.89	0.012	0.08	0.2	0.02	1.9	0.1	0.07	6	0.5	<0.2
101302	Soil	7	32	0.42	286	0.045	<1	1.61	0.011	0.10	0.1	<0.01	1.7	<0.1	0.05	5	0.6	<0.2
101303	Soil	19	29	1.16	164	0.146	<1	2.23	0.019	0.73	0.1	<0.01	3.0	0.3	0.28	6	<0.5	<0.2
101304	Soil	32	35	0.86	184	0.129	<1	2.11	0.009	0.42	0.1	0.01	3.3	0.3	<0.05	6	<0.5	<0.2
101305	Soil	26	33	0.79	163	0.149	1	1.74	0.011	0.66	0.1	0.03	3.4	0.4	0.05	6	0.5	<0.2
101306	Soil	18	39	0.92	219	0.155	<1	1.84	0.011	0.40	<0.1	0.02	4.3	0.4	<0.05	6	0.6	<0.2
101307	Soil	12	38	0.60	251	0.077	1	1.76	0.009	0.12	0.1	0.04	4.4	0.2	<0.05	5	<0.5	<0.2
101308	Soil	15	35	0.58	302	0.090	2	1.58	0.019	0.10	0.2	0.04	4.9	0.1	<0.05	5	0.6	<0.2
101309	Soil	14	39	0.56	344	0.077	<1	1.58	0.025	0.05	0.2	0.04	4.9	<0.1	<0.05	4	<0.5	<0.2
101310	Soil	8	23	0.54	120	0.073	1	1.02	0.004	0.26	0.1	0.04	4.1	0.1	<0.05	3	<0.5	<0.2
101311	Soil	10	28	0.68	230	0.145	<1	1.79	0.009	0.44	0.1	<0.01	2.6	0.3	<0.05	6	<0.5	<0.2
101312	Soil	52	100	1.42	860	0.209	<1	2.51	0.010	0.62	0.2	0.01	11.8	0.4	<0.05	11	<0.5	<0.2
101313	Soil	9	33	0.67	230	0.118	<1	1.58	0.006	0.58	0.1	<0.01	3.4	0.4	0.06	5	<0.5	<0.2
101314	Soil	12	41	0.91	251	0.155	<1	2.04	0.009	0.57	0.1	0.02	3.6	0.4	0.11	6	<0.5	<0.2
101315	Soil	14	32	0.53	196	0.075	<1	1.63	0.007	0.07	<0.1	<0.01	3.3	0.1	<0.05	5	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
101316	Soil	1.5	82.5	17.3	90	0.1	36.8	13.2	565	4.21	2.6	1.8	6.7	7.8	25	<0.1	0.3	0.4	72	0.16	0.063
101317	Soil	1.5	37.2	8.2	40	0.1	20.7	6.9	168	1.93	2.6	1.2	1.3	4.4	14	0.1	0.2	0.2	32	0.08	0.023
101318	Soil	1.3	30.6	9.5	49	0.2	18.8	8.5	233	2.48	6.1	0.9	2.5	3.7	14	<0.1	0.3	0.2	52	0.12	0.025
101319	Soil	0.8	28.2	9.6	51	0.1	20.2	9.1	197	2.53	3.7	0.9	1.7	4.8	12	<0.1	0.3	0.2	41	0.14	0.024
101320	Soil	1.3	51.5	9.1	55	<0.1	29.2	10.6	289	2.62	6.4	2.2	7.4	5.4	18	<0.1	0.5	0.2	53	0.16	0.016
101321	Soil	2.2	78.7	11.6	63	0.1	31.5	10.8	674	2.93	3.0	1.7	2.1	5.3	21	<0.1	0.3	0.3	50	0.13	0.033
101322	Soil	1.8	69.4	6.6	73	<0.1	28.1	7.1	294	2.42	1.4	0.7	<0.5	2.3	8	<0.1	0.2	0.1	44	0.05	0.015
101323	Soil	2.0	26.1	10.0	51	0.4	24.3	11.0	271	2.99	9.1	0.5	3.4	3.2	14	<0.1	0.5	0.2	64	0.14	0.033
101324	Soil	1.6	51.4	9.5	82	0.1	46.2	12.6	447	2.93	5.0	1.4	2.6	3.9	16	0.1	0.3	0.2	56	0.17	0.042
101325	Soil	1.7	72.9	9.8	87	0.2	39.0	12.0	497	3.23	4.3	2.0	3.0	4.2	22	<0.1	0.3	0.2	83	0.17	0.041
101326	Soil	1.3	52.3	9.8	59	<0.1	31.2	10.6	303	2.85	5.5	0.8	1.9	3.1	11	<0.1	0.5	0.2	52	0.09	0.020
101327	Soil	5.7	118.9	14.2	146	0.2	58.6	13.0	383	3.11	3.9	4.9	1.9	3.7	38	0.4	0.4	0.2	121	0.23	0.117
101328	Soil	1.5	48.6	13.9	61	<0.1	32.5	9.0	317	2.68	5.4	1.4	3.3	4.9	22	<0.1	0.5	0.2	45	0.17	0.022
101329	Soil	1.0	43.1	7.1	96	<0.1	20.5	8.4	392	3.50	1.7	1.1	2.8	5.5	15	<0.1	0.2	0.2	60	0.20	0.018
101330	Soil	1.2	13.0	6.5	55	<0.1	13.4	12.2	274	3.52	2.8	0.7	1.1	2.7	32	<0.1	0.2	<0.1	40	0.64	0.101
101331	Soil	0.8	35.0	7.0	76	<0.1	37.2	19.8	300	4.53	2.6	1.3	<0.5	8.9	41	<0.1	0.1	0.1	89	0.55	0.066
101332	Soil	2.0	115.7	9.4	96	<0.1	91.5	22.3	756	4.75	3.3	1.2	<0.5	7.1	18	0.1	<0.1	0.1	137	0.44	0.135
101333	Soil	0.7	28.4	6.8	25	<0.1	15.1	10.0	109	1.68	4.2	0.4	1.6	2.6	49	<0.1	0.2	<0.1	44	0.49	0.058
101334	Soil	0.8	45.5	10.8	41	<0.1	77.3	14.0	207	2.53	8.5	0.9	<0.5	7.5	93	<0.1	0.3	<0.1	47	0.57	0.021
101335	Soil	0.4	37.9	6.1	69	<0.1	63.4	20.3	548	4.70	27.3	1.3	<0.5	7.1	30	<0.1	0.1	<0.1	121	0.61	0.096
101336	Soil	1.8	13.6	5.2	65	<0.1	10.4	12.1	794	3.79	19.6	1.1	1.9	9.9	14	<0.1	0.1	<0.1	93	0.39	0.084
101337	Soil	0.4	38.0	4.2	64	<0.1	14.2	16.9	660	4.04	3.6	0.9	0.7	3.9	38	<0.1	0.2	<0.1	111	0.77	0.152
101338	Soil	0.5	43.0	5.3	51	<0.1	13.3	13.3	488	3.16	3.5	0.7	2.0	2.8	38	<0.1	0.2	<0.1	90	0.53	0.103
101339	Soil	0.5	26.0	6.0	44	<0.1	14.1	10.7	339	2.25	4.6	0.4	<0.5	2.5	27	<0.1	0.2	<0.1	62	0.47	0.084
101340	Soil	2.6	30.9	37.4	48	0.3	20.5	9.3	450	2.49	17.0	1.0	1.8	3.2	23	0.1	0.4	0.2	69	0.24	0.046
101341	Soil	1.4	15.5	11.2	48	0.2	17.7	6.7	226	2.41	6.8	0.6	2.9	3.1	16	<0.1	0.4	0.3	57	0.18	0.019
101342	Soil	0.6	31.2	9.9	56	<0.1	19.7	13.4	319	2.99	7.6	0.3	<0.5	2.6	21	<0.1	0.3	0.2	76	0.33	0.061
101343	Soil	14.4	74.1	16.3	79	1.0	38.1	7.5	339	2.29	7.2	3.1	0.9	3.6	25	0.1	0.4	0.2	435	0.28	0.085
101344	Soil	14.5	230.6	9.3	160	0.9	68.1	8.7	504	9.80	69.6	4.9	4.8	6.1	39	0.1	1.2	0.3	171	0.18	0.135
101345	Soil	2.2	74.6	10.3	119	<0.1	33.9	15.3	907	5.04	6.8	2.5	<0.5	8.5	30	<0.1	0.3	0.3	121	0.45	0.126

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Acme Analytical Laboratories (Vancouver) Ltd.  
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
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Client: **Taku Gold Corp**  
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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
101316	Soil	23	37	0.70	264	0.131	<1	1.76	0.008	0.49	0.1	0.02	5.3	0.4	0.06	6	0.9	<0.2
101317	Soil	13	25	0.21	98	0.031	1	0.90	0.004	0.06	<0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
101318	Soil	10	30	0.38	201	0.059	<1	1.54	0.008	0.08	<0.1	0.01	2.5	0.1	<0.05	5	<0.5	<0.2
101319	Soil	10	28	0.56	144	0.093	<1	1.52	0.007	0.24	<0.1	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
101320	Soil	21	42	0.48	229	0.073	<1	1.50	0.008	0.06	<0.1	0.03	5.6	<0.1	<0.05	4	<0.5	<0.2
101321	Soil	17	29	0.37	188	0.057	<1	1.13	0.005	0.16	<0.1	0.03	4.6	0.2	<0.05	4	<0.5	<0.2
101322	Soil	6	33	0.75	454	0.120	<1	1.36	0.006	0.48	<0.1	0.01	3.1	0.4	<0.05	5	0.6	<0.2
101323	Soil	8	39	0.47	207	0.062	<1	1.72	0.008	0.06	0.1	0.01	2.5	<0.1	<0.05	5	0.7	<0.2
101324	Soil	13	51	0.58	326	0.087	<1	1.69	0.008	0.19	<0.1	0.01	3.9	0.2	<0.05	5	<0.5	<0.2
101325	Soil	16	39	0.79	294	0.090	<1	1.83	0.007	0.18	0.1	0.04	5.5	0.2	<0.05	6	<0.5	<0.2
101326	Soil	9	35	0.65	203	0.100	<1	1.64	0.008	0.18	0.1	<0.01	3.8	0.2	<0.05	5	<0.5	<0.2
101327	Soil	17	69	0.36	254	0.058	<1	1.10	0.005	0.13	0.1	0.05	8.2	0.2	0.06	4	2.5	<0.2
101328	Soil	13	32	0.29	219	0.031	<1	0.93	0.009	0.06	<0.1	0.10	4.6	0.1	<0.05	3	<0.5	<0.2
101329	Soil	30	27	1.81	424	0.226	<1	3.11	0.011	0.83	0.6	<0.01	9.6	0.4	<0.05	10	<0.5	<0.2
101330	Soil	11	16	1.01	264	0.154	<1	2.30	0.017	0.37	<0.1	<0.01	5.2	0.1	<0.05	8	<0.5	<0.2
101331	Soil	22	60	1.46	375	0.305	<1	3.76	0.022	1.35	0.1	<0.01	8.4	0.5	<0.05	12	<0.5	<0.2
101332	Soil	22	127	2.02	888	0.314	<1	3.13	0.016	1.40	<0.1	<0.01	8.9	0.4	<0.05	13	<0.5	<0.2
101333	Soil	7	20	0.55	262	0.073	<1	2.70	0.070	0.09	<0.1	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
101334	Soil	18	79	0.59	417	0.060	<1	2.92	0.018	0.06	<0.1	<0.01	5.3	<0.1	<0.05	7	<0.5	<0.2
101335	Soil	13	183	2.58	281	0.184	<1	3.10	0.014	0.47	<0.1	<0.01	13.7	0.3	<0.05	11	<0.5	<0.2
101336	Soil	23	9	1.02	215	0.138	<1	2.06	0.009	0.70	<0.1	<0.01	10.1	0.3	<0.05	8	<0.5	<0.2
101337	Soil	13	24	1.44	468	0.232	<1	2.67	0.048	0.61	0.1	<0.01	6.4	0.2	<0.05	7	<0.5	<0.2
101338	Soil	8	20	1.13	393	0.138	<1	2.08	0.027	0.55	<0.1	<0.01	6.1	0.1	<0.05	5	<0.5	<0.2
101339	Soil	6	18	0.70	296	0.109	<1	1.94	0.036	0.31	<0.1	<0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
101340	Soil	10	30	0.29	308	0.036	<1	1.39	0.010	0.08	0.1	0.02	3.0	<0.1	0.05	4	0.6	<0.2
101341	Soil	10	33	0.39	209	0.046	2	1.42	0.010	0.04	0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
101342	Soil	6	27	0.91	289	0.149	1	2.30	0.021	0.34	0.1	0.01	2.8	0.1	<0.05	5	<0.5	<0.2
101343	Soil	9	69	0.54	397	0.056	3	1.47	0.008	0.12	0.2	0.02	3.7	0.1	<0.05	5	2.3	<0.2
101344	Soil	34	70	0.54	236	0.064	1	1.43	0.012	0.39	<0.1	0.03	6.9	0.3	0.58	7	5.3	0.2
101345	Soil	39	50	1.23	336	0.221	2	2.90	0.018	1.16	0.2	<0.01	9.9	0.4	<0.05	11	0.8	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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CERTIFICATE OF ANALYSIS

WHI11000692.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	%	%	
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	
122187	Soil	0.7	36.0	8.2	51	<0.1	18.9	10.9	298	2.93	9.0	0.6	0.6	3.3	14	0.1	0.4	0.2	61	0.15	0.037
122188	Soil	1.4	96.7	6.5	55	<0.1	20.2	10.2	322	2.63	6.0	0.6	3.0	2.6	19	<0.1	0.3	0.2	64	0.24	0.070
122189	Soil	0.8	60.5	6.7	38	<0.1	12.6	7.4	188	2.26	4.8	0.5	1.4	1.0	15	0.1	0.2	0.1	65	0.23	0.053
122190	Soil	1.1	114.6	4.9	69	<0.1	16.6	11.6	341	3.36	2.3	0.6	0.6	1.8	32	<0.1	<0.1	0.1	97	0.35	0.065
122191	Soil	1.2	109.1	5.6	65	<0.1	15.9	11.2	319	3.15	2.2	0.5	0.9	1.8	31	<0.1	0.1	0.1	91	0.34	0.059
122192	Soil	1.0	40.6	9.0	62	<0.1	23.8	9.9	326	3.11	6.0	0.8	1.2	3.5	36	<0.1	0.3	0.2	63	0.27	0.040
122193	Soil	0.9	25.0	11.6	58	<0.1	22.6	9.9	314	3.03	6.6	0.9	<0.5	5.4	26	0.1	0.3	0.2	60	0.23	0.031
122194	Soil	0.8	30.3	10.9	71	<0.1	30.3	13.4	432	3.54	7.7	1.6	<0.5	11.3	42	0.1	0.3	0.3	62	0.30	0.036
122195	Soil	1.9	50.7	16.0	82	<0.1	32.9	12.7	387	3.81	3.8	2.1	2.1	8.0	74	0.1	0.2	0.3	63	0.36	0.057
122196	Soil	5.3	62.3	11.1	89	0.1	33.0	16.0	519	4.15	5.9	2.3	1.9	6.1	88	0.1	0.3	0.3	104	0.24	0.087
122197	Soil	1.0	20.7	13.5	45	<0.1	18.6	7.5	226	2.58	6.2	0.9	<0.5	1.0	22	0.1	0.2	0.2	58	0.17	0.045
122198	Soil	1.4	29.5	12.1	75	0.2	39.2	12.7	357	3.50	5.7	1.9	2.4	6.7	40	0.1	0.3	0.2	64	0.45	0.042
122199	Soil	1.0	16.6	5.6	55	<0.1	9.6	6.8	229	2.44	2.1	0.6	<0.5	1.7	12	<0.1	<0.1	0.1	59	0.15	0.040
122200	Soil	1.4	28.8	9.8	79	<0.1	24.7	12.6	380	3.63	3.3	1.7	1.2	7.4	37	0.2	0.1	0.2	66	0.60	0.050
122201	Soil	1.1	24.3	9.9	70	0.1	24.7	12.5	426	3.06	4.9	1.3	2.4	5.8	25	0.1	0.3	0.2	53	0.26	0.050
122202	Soil	0.7	22.6	10.6	77	<0.1	24.9	12.6	424	3.31	3.8	0.9	2.7	7.6	40	<0.1	0.2	0.2	51	0.35	0.046
122203	Soil	1.9	63.9	11.3	129	0.2	32.4	11.8	425	3.37	3.0	1.3	<0.5	6.0	57	0.2	0.1	0.2	95	0.54	0.064
122204	Soil	1.0	30.2	10.7	70	0.3	22.1	8.6	238	2.59	4.1	1.2	0.9	3.4	33	0.1	0.2	0.2	54	0.27	0.047
122205	Soil	2.1	35.2	10.4	73	0.2	24.0	10.3	381	2.85	4.6	1.2	1.2	3.8	24	0.1	0.2	0.2	66	0.18	0.044
122206	Soil	1.4	29.4	9.7	59	0.3	19.2	6.9	241	2.49	4.5	1.3	1.4	2.5	22	<0.1	0.2	0.2	56	0.18	0.033
122207	Soil	1.4	26.0	10.5	63	0.1	21.0	8.6	376	2.91	5.7	0.6	0.6	3.1	16	<0.1	0.3	0.2	68	0.16	0.043
122208	Soil	1.1	27.5	8.6	67	<0.1	21.8	10.1	491	3.35	5.1	0.9	<0.5	3.9	29	<0.1	0.2	0.2	76	0.19	0.032
122209	Soil	0.8	45.2	5.6	89	<0.1	14.7	12.4	496	4.81	3.0	0.5	0.7	3.5	10	0.1	0.1	0.1	116	0.15	0.056
122210	Soil	1.2	36.9	7.6	76	<0.1	20.5	10.9	516	3.96	4.2	0.4	2.7	3.0	15	0.1	0.2	0.2	92	0.18	0.058
122211	Soil	1.5	30.3	9.0	56	<0.1	16.2	9.9	400	3.13	9.2	0.5	1.2	3.1	12	<0.1	0.5	0.2	76	0.11	0.040
122212	Soil	2.3	34.0	8.4	66	0.3	18.1	6.5	380	3.15	7.1	0.5	73.3	2.5	12	0.2	0.5	0.2	75	0.07	0.057
122213	Soil	2.3	27.5	11.3	41	0.3	14.6	5.1	137	2.72	8.0	1.1	3.9	2.6	14	<0.1	0.5	0.2	65	0.10	0.058
122214	Soil	0.5	36.3	9.2	90	0.5	41.1	11.0	503	2.58	8.3	0.7	2.5	2.3	37	0.4	0.5	0.2	53	1.72	0.070
122215	Soil	0.7	29.1	12.5	73	<0.1	33.7	15.1	405	3.94	6.3	1.1	1.2	9.9	15	<0.1	0.3	0.3	55	0.14	0.020
122216	Soil	0.7	49.4	14.1	87	<0.1	32.1	14.5	284	5.29	1.1	1.0	0.7	4.7	37	<0.1	<0.1	0.6	40	0.07	0.048

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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CERTIFICATE OF ANALYSIS

WHI11000692.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
122187	Soil	9	28	0.59	148	0.090	2	2.00	0.010	0.13	0.1	0.02	2.9	<0.1	<0.05	5	0.5	<0.2
122188	Soil	11	26	0.60	436	0.113	2	1.54	0.011	0.15	0.2	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
122189	Soil	10	22	0.49	248	0.108	1	1.40	0.012	0.12	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
122190	Soil	9	31	0.99	384	0.211	2	2.23	0.016	0.61	<0.1	<0.01	5.0	0.2	<0.05	8	0.6	<0.2
122191	Soil	9	29	0.89	347	0.200	<1	2.06	0.015	0.52	<0.1	<0.01	4.5	0.2	<0.05	8	<0.5	<0.2
122192	Soil	13	32	0.65	198	0.132	1	2.30	0.015	0.27	0.1	0.02	3.4	0.2	<0.05	7	0.5	<0.2
122193	Soil	16	34	0.59	171	0.129	1	2.24	0.014	0.25	0.1	0.02	3.4	0.3	<0.05	7	<0.5	<0.2
122194	Soil	31	42	0.75	247	0.168	2	2.76	0.017	0.34	0.1	0.02	5.6	0.4	<0.05	8	<0.5	<0.2
122195	Soil	28	42	0.91	217	0.161	1	2.51	0.015	0.46	<0.1	0.01	4.0	0.3	0.07	9	0.6	<0.2
122196	Soil	25	47	0.87	225	0.149	<1	2.58	0.018	0.42	0.2	0.02	3.6	0.3	0.17	9	0.6	<0.2
122197	Soil	19	28	0.37	131	0.077	<1	1.59	0.008	0.13	<0.1	0.01	2.0	0.1	<0.05	8	0.7	<0.2
122198	Soil	37	48	0.80	248	0.171	2	2.74	0.016	0.38	0.2	0.02	4.6	0.3	<0.05	9	0.6	<0.2
122199	Soil	8	19	1.05	262	0.152	<1	1.85	0.015	0.55	<0.1	<0.01	6.0	0.2	<0.05	8	<0.5	<0.2
122200	Soil	35	35	1.10	245	0.181	1	2.73	0.020	0.58	0.1	<0.01	6.1	0.3	<0.05	9	0.6	<0.2
122201	Soil	23	33	0.71	255	0.154	2	2.13	0.015	0.27	0.1	0.03	4.1	0.3	<0.05	7	<0.5	<0.2
122202	Soil	16	33	0.82	221	0.178	2	2.44	0.018	0.54	0.1	<0.01	3.8	0.4	<0.05	8	<0.5	<0.2
122203	Soil	17	48	1.06	324	0.187	<1	2.81	0.025	0.53	0.1	0.01	5.0	0.4	<0.05	9	0.8	<0.2
122204	Soil	16	36	0.64	212	0.106	1	2.08	0.015	0.20	0.1	0.02	3.9	0.2	<0.05	7	1.2	<0.2
122205	Soil	13	31	0.69	156	0.111	<1	1.81	0.011	0.27	0.1	0.02	3.2	0.2	<0.05	7	<0.5	<0.2
122206	Soil	14	29	0.53	151	0.092	<1	1.71	0.010	0.15	0.1	0.02	3.0	0.2	<0.05	6	<0.5	<0.2
122207	Soil	12	29	0.55	169	0.113	<1	1.87	0.008	0.30	<0.1	<0.01	3.1	0.2	<0.05	7	<0.5	<0.2
122208	Soil	12	30	0.71	302	0.131	1	2.55	0.008	0.41	0.1	0.01	5.3	0.2	<0.05	7	<0.5	<0.2
122209	Soil	7	27	1.38	491	0.332	<1	2.69	0.007	1.07	0.2	<0.01	9.3	0.3	<0.05	11	<0.5	<0.2
122210	Soil	8	29	1.06	271	0.235	<1	2.64	0.008	0.70	0.1	0.01	6.7	0.3	<0.05	9	<0.5	<0.2
122211	Soil	10	31	0.52	199	0.093	2	2.36	0.008	0.08	0.2	0.02	2.9	0.1	<0.05	7	<0.5	<0.2
122212	Soil	8	36	0.74	167	0.143	<1	1.89	0.009	0.30	0.1	<0.01	2.4	0.2	0.07	7	1.2	<0.2
122213	Soil	10	28	0.33	137	0.067	1	1.62	0.008	0.05	0.1	0.03	2.6	0.1	<0.05	7	0.7	<0.2
122214	Soil	18	36	0.64	465	0.056	2	1.81	0.024	0.05	0.2	0.07	3.9	<0.1	<0.05	5	<0.5	<0.2
122215	Soil	34	48	0.86	238	0.207	1	2.69	0.008	0.53	0.1	0.01	5.3	0.4	<0.05	8	<0.5	<0.2
122216	Soil	16	37	1.01	201	0.271	<1	2.60	0.014	1.30	<0.1	<0.01	2.7	0.8	0.22	8	<0.5	<0.2

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 1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Taku Gold Corp**  
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Project: DAN  
 Report Date: August 09, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
122217	Soil	0.6	39.1	10.3	101	<0.1	42.5	18.7	211	4.60	2.0	0.8	0.6	5.5	33	<0.1	0.1	0.3	51	0.14	0.029
122218	Soil	1.2	30.2	6.2	91	<0.1	18.2	10.0	330	4.13	3.8	0.6	0.9	2.7	42	0.1	0.2	0.2	83	0.11	0.034
122219	Soil	1.2	20.0	9.6	61	<0.1	17.3	8.6	339	3.23	6.1	0.7	5.8	3.9	25	<0.1	0.3	0.2	67	0.17	0.026
122220	Soil	1.2	16.1	7.8	56	0.2	11.5	5.2	166	2.49	3.5	0.5	<0.5	2.2	18	<0.1	0.2	0.2	55	0.12	0.029
122221	Soil	0.7	21.8	5.9	58	<0.1	12.9	7.4	185	2.55	3.8	0.6	1.9	2.4	29	<0.1	0.2	0.1	63	0.24	0.033
122222	Soil	0.8	18.6	6.3	59	0.1	13.3	6.7	204	2.76	3.9	0.5	0.8	2.3	21	<0.1	0.2	0.2	62	0.16	0.028
122223	Soil	0.9	24.4	5.4	86	<0.1	17.9	7.3	276	3.35	3.0	0.5	<0.5	2.2	12	<0.1	0.1	0.2	65	0.07	0.024
122224	Soil	1.3	15.8	14.3	43	0.2	17.7	7.1	153	2.46	5.7	0.6	1.8	4.2	33	<0.1	0.2	0.2	50	0.18	0.024
122225	Soil	1.2	14.7	10.0	40	0.4	15.4	6.1	141	2.61	7.6	0.5	<0.5	2.5	21	<0.1	0.3	0.2	61	0.17	0.030
122226	Soil	0.9	17.5	5.9	46	0.6	13.2	6.1	210	3.17	1.8	1.1	<0.5	2.9	15	<0.1	0.1	0.1	74	0.18	0.034
122227	Soil	1.3	75.4	5.5	99	<0.1	140.6	23.5	498	4.78	4.0	0.7	1.3	3.2	23	<0.1	0.2	0.1	158	0.38	0.046
122228	Soil	0.8	51.5	6.5	72	<0.1	122.7	22.2	433	3.93	4.0	0.9	<0.5	5.9	20	<0.1	0.2	<0.1	105	0.43	0.090
122229	Soil	2.3	67.3	11.4	66	0.7	67.5	12.8	583	3.24	5.1	3.0	1.7	2.6	26	0.3	0.3	0.1	79	0.31	0.053
122230	Soil	1.4	26.8	11.0	54	<0.1	43.9	12.2	407	2.59	5.8	0.6	1.6	3.7	18	<0.1	0.3	<0.1	55	0.26	0.040
122231	Soil	1.4	44.5	10.2	70	0.2	48.3	11.6	513	2.85	4.6	0.7	8.9	3.3	20	<0.1	0.4	0.1	62	0.27	0.041
122232	Soil	0.7	17.0	5.8	53	<0.1	19.5	11.2	259	2.89	5.5	0.4	0.8	3.1	13	0.1	0.3	<0.1	64	0.24	0.033
122233	Soil	0.5	16.4	21.0	70	<0.1	25.6	12.8	596	3.58	2.8	0.8	<0.5	11.5	9	<0.1	0.3	0.2	44	0.12	0.045
122234	Soil	1.0	28.0	10.5	53	<0.1	23.6	11.6	436	2.62	6.6	0.8	3.6	3.7	14	<0.1	0.5	0.1	54	0.13	0.028
122235	Soil	1.0	26.2	9.1	52	<0.1	21.9	9.3	359	2.41	6.5	0.9	1.2	3.8	17	<0.1	0.5	0.2	50	0.18	0.030
122236	Soil	1.1	29.7	9.7	54	<0.1	23.8	9.7	356	2.65	8.5	1.6	1.8	3.8	19	<0.1	0.5	0.2	52	0.18	0.035
122237	Soil	1.2	31.2	9.6	50	<0.1	21.0	9.2	319	2.48	7.2	1.4	3.5	3.8	17	<0.1	0.4	0.2	52	0.17	0.036
122238	Soil	1.3	22.8	9.6	44	<0.1	17.8	7.2	219	2.41	7.4	1.0	1.4	3.9	14	<0.1	0.4	0.2	53	0.12	0.023
122239	Soil	1.0	28.0	10.0	50	<0.1	22.5	9.3	311	2.55	8.8	1.5	1.2	3.4	18	<0.1	0.5	0.2	52	0.16	0.032
122240	Soil	1.1	29.9	10.2	54	<0.1	22.9	9.9	369	2.73	8.9	1.7	1.5	3.8	20	<0.1	0.5	0.2	54	0.17	0.035
122241	Soil	1.7	35.9	8.7	57	<0.1	20.4	9.2	308	2.48	6.2	1.4	2.3	4.0	18	<0.1	0.4	0.1	51	0.16	0.033
122242	Soil	2.3	57.9	10.4	76	0.2	33.1	18.1	790	2.98	7.8	2.0	4.2	3.2	20	0.2	0.5	0.1	60	0.15	0.037
122243	Soil	1.1	23.1	10.4	49	0.1	20.2	10.6	355	2.84	8.9	0.9	0.9	3.9	16	<0.1	0.5	0.1	65	0.15	0.017
122244	Soil	1.4	32.8	11.4	61	<0.1	24.2	10.6	381	2.95	8.1	1.1	1.6	4.5	19	<0.1	0.6	0.2	70	0.16	0.019
122245	Soil	1.9	39.1	11.8	55	0.1	22.2	9.8	314	3.10	9.8	0.9	1.0	3.9	24	<0.1	0.5	0.2	59	0.12	0.046
122246	Soil	3.3	72.9	12.7	94	<0.1	39.0	15.5	493	3.65	2.7	1.1	<0.5	3.3	19	<0.1	0.2	0.2	56	0.07	0.056

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
122217	Soil	19	48	1.02	219	0.257	2	2.97	0.011	1.01	<0.1	<0.01	4.1	0.7	0.08	9	<0.5	<0.2
122218	Soil	6	22	0.90	369	0.209	1	2.67	0.009	0.82	<0.1	0.02	7.6	0.2	<0.05	9	<0.5	<0.2
122219	Soil	8	24	0.67	214	0.130	<1	2.18	0.008	0.35	0.1	0.01	4.0	0.2	0.07	7	<0.5	<0.2
122220	Soil	7	19	0.47	200	0.120	<1	1.63	0.006	0.27	0.1	0.01	3.4	0.1	0.10	6	<0.5	<0.2
122221	Soil	9	21	0.71	275	0.111	1	1.70	0.010	0.31	0.1	0.01	4.8	<0.1	<0.05	5	<0.5	<0.2
122222	Soil	6	20	0.64	248	0.130	<1	1.70	0.009	0.30	0.1	<0.01	4.4	0.1	0.06	6	<0.5	<0.2
122223	Soil	5	21	0.66	311	0.216	<1	1.97	0.007	0.71	<0.1	<0.01	5.7	0.2	0.10	7	<0.5	<0.2
122224	Soil	10	25	0.51	187	0.102	<1	1.60	0.008	0.27	0.1	0.02	2.1	0.2	0.06	6	<0.5	<0.2
122225	Soil	8	25	0.46	250	0.060	<1	1.69	0.008	0.10	0.1	0.03	2.4	<0.1	0.07	5	<0.5	<0.2
122226	Soil	52	30	0.37	343	0.092	1	1.20	0.008	0.18	<0.1	0.03	7.9	<0.1	0.05	8	<0.5	<0.2
122227	Soil	20	256	2.95	918	0.354	<1	3.26	0.021	1.29	0.2	<0.01	11.3	0.5	<0.05	13	<0.5	<0.2
122228	Soil	19	304	1.96	564	0.186	<1	2.28	0.009	0.66	<0.1	0.02	5.8	0.3	<0.05	8	<0.5	<0.2
122229	Soil	28	105	0.79	811	0.101	<1	1.89	0.008	0.35	0.1	0.08	6.8	0.2	0.10	7	0.5	<0.2
122230	Soil	10	86	0.70	244	0.087	<1	1.33	0.009	0.13	0.1	0.02	2.8	0.1	<0.05	4	<0.5	<0.2
122231	Soil	11	69	0.74	336	0.107	<1	1.40	0.008	0.26	0.1	0.02	4.0	0.2	0.09	5	0.8	<0.2
122232	Soil	7	23	0.68	173	0.104	<1	1.90	0.013	0.12	0.1	<0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
122233	Soil	24	34	0.92	176	0.219	<1	2.33	0.006	0.89	0.1	0.01	3.5	0.5	<0.05	7	<0.5	<0.2
122234	Soil	13	33	0.50	182	0.074	1	1.79	0.009	0.04	0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
122235	Soil	14	30	0.47	197	0.075	<1	1.44	0.008	0.04	0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
122236	Soil	15	31	0.50	244	0.052	1	1.68	0.009	0.05	0.1	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
122237	Soil	15	30	0.53	194	0.064	<1	1.60	0.007	0.05	0.2	0.04	3.5	<0.1	<0.05	5	0.7	<0.2
122238	Soil	11	28	0.44	154	0.060	1	1.66	0.007	0.05	0.2	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
122239	Soil	14	29	0.50	238	0.049	<1	1.60	0.008	0.04	0.2	0.03	3.8	<0.1	<0.05	5	0.6	<0.2
122240	Soil	15	32	0.52	248	0.051	<1	1.62	0.009	0.05	0.2	0.04	4.0	<0.1	<0.05	4	<0.5	<0.2
122241	Soil	15	28	0.50	220	0.066	1	1.48	0.010	0.08	0.1	0.02	3.7	<0.1	<0.05	4	0.5	<0.2
122242	Soil	11	35	0.53	206	0.064	<1	1.91	0.009	0.05	0.1	0.05	3.7	0.2	<0.05	5	0.7	<0.2
122243	Soil	12	37	0.46	229	0.059	<1	1.91	0.009	0.04	0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
122244	Soil	16	40	0.57	267	0.070	<1	1.99	0.010	0.04	0.1	0.05	5.3	<0.1	<0.05	6	<0.5	<0.2
122245	Soil	11	31	0.54	190	0.059	1	1.73	0.009	0.12	0.1	0.02	2.5	0.1	0.13	5	<0.5	<0.2
122246	Soil	11	34	0.91	170	0.122	1	2.15	0.005	0.35	<0.1	0.02	2.9	0.3	0.09	6	0.6	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
122247	Soil	1.6	49.3	11.3	78	<0.1	35.7	14.2	408	3.52	9.0	0.9	0.9	4.3	14	<0.1	0.5	0.2	66	0.08	0.026
122248	Soil	3.7	118.9	16.7	100	0.1	32.4	11.6	524	4.29	5.2	2.1	2.2	7.2	54	0.1	0.6	0.3	82	0.09	0.050
122249	Soil	1.4	45.6	11.0	57	<0.1	26.9	10.5	344	2.92	8.7	1.6	3.0	4.8	20	<0.1	0.5	0.2	63	0.15	0.019
122250	Soil	1.2	40.2	10.5	56	<0.1	25.8	9.2	354	2.69	8.7	1.5	2.8	4.6	25	<0.1	0.6	0.2	60	0.27	0.019
122251	Soil	1.3	37.7	10.4	56	<0.1	26.8	11.0	348	2.89	9.5	1.4	2.6	4.8	20	<0.1	0.5	0.1	64	0.22	0.022
122252	Soil	0.9	89.7	12.4	120	<0.1	52.5	22.3	397	4.86	3.2	1.2	6.1	6.3	26	<0.1	0.3	0.3	64	0.16	0.025
122253	Soil	4.3	88.6	13.4	64	<0.1	35.7	15.8	1002	3.23	2.6	1.9	4.9	6.7	30	<0.1	0.6	0.3	51	0.16	0.031
122254	Soil	1.2	52.0	14.1	75	<0.1	24.5	11.1	359	3.23	4.2	1.0	1.7	7.8	21	<0.1	0.2	0.3	44	0.13	0.019
122255	Soil	1.6	46.1	12.4	72	0.1	35.0	14.0	332	2.95	8.1	1.4	2.6	6.3	20	<0.1	0.6	0.3	70	0.13	0.018
122256	Soil	1.3	23.4	11.0	59	<0.1	25.1	11.6	343	3.15	12.4	0.5	4.1	3.8	15	0.1	0.6	0.2	62	0.14	0.022
122257	Soil	1.2	22.4	10.2	76	0.1	29.1	13.0	1753	2.86	8.3	0.5	<0.5	3.0	33	0.3	0.5	0.2	71	0.31	0.047
122258	Soil	1.7	78.2	11.6	76	0.1	35.8	12.6	449	3.20	3.4	1.4	1.8	5.9	34	<0.1	0.3	0.2	57	0.10	0.028
122259	Soil	1.7	40.4	12.1	53	0.2	23.0	7.2	197	3.04	7.3	0.9	2.4	4.2	27	<0.1	0.4	0.2	58	0.08	0.031
122260	Soil	1.1	55.5	9.7	74	<0.1	31.0	10.7	292	2.76	3.9	1.2	3.8	6.3	20	<0.1	0.3	0.2	46	0.15	0.020
122261	Soil	3.2	73.3	13.7	70	<0.1	45.0	22.6	535	3.10	2.8	1.0	<0.5	5.5	25	<0.1	0.2	0.3	50	0.10	0.024
122262	Soil	1.3	19.7	13.0	56	0.1	23.4	10.9	447	2.61	4.5	0.7	<0.5	8.4	12	<0.1	0.3	0.2	46	0.12	0.030
122263	Soil	1.9	65.4	8.0	81	0.5	25.8	6.6	194	3.31	3.5	0.9	2.0	4.0	62	<0.1	0.2	0.2	47	0.15	0.036
122264	Soil	1.3	23.7	8.3	44	0.7	12.5	6.4	276	2.09	4.1	0.5	6.2	2.9	19	<0.1	0.3	0.2	51	0.15	0.021
122265	Soil	0.9	38.0	9.5	50	0.5	14.3	4.3	256	2.35	5.7	0.6	0.5	3.9	37	0.1	0.3	0.2	55	0.23	0.020
122266	Soil	1.0	43.0	10.4	111	0.1	72.6	23.4	812	3.71	1.6	1.2	<0.5	8.0	29	<0.1	0.2	0.2	41	0.14	0.020
108720	Soil	1.0	16.5	10.4	46	0.4	17.2	8.6	244	2.77	10.3	0.8	0.7	4.6	17	0.1	0.5	0.2	62	0.12	0.025
108721	Soil	1.0	38.7	8.7	74	<0.1	31.4	9.8	321	3.23	9.6	1.0	1.4	4.1	35	0.2	0.5	0.2	67	0.36	0.033
108722	Soil	0.8	61.8	9.9	86	<0.1	43.4	13.4	368	3.37	2.6	1.0	<0.5	7.2	72	<0.1	0.1	0.2	52	0.24	0.019
108723	Soil	0.3	25.5	9.0	95	<0.1	42.9	17.5	487	4.51	3.0	1.0	<0.5	12.1	31	<0.1	0.1	0.2	78	0.28	0.045
108724	Soil	1.0	32.6	9.5	66	0.2	21.8	9.7	289	2.99	6.7	1.2	1.1	5.9	21	0.1	0.4	0.2	59	0.14	0.020
108725	Soil	1.1	26.2	10.2	50	0.1	24.5	13.8	249	2.91	11.4	0.9	<0.5	4.9	23	<0.1	0.4	0.2	60	0.14	0.027
108726	Soil	1.2	38.0	13.2	78	<0.1	36.1	13.8	366	3.45	7.7	0.9	<0.5	8.0	43	<0.1	0.4	0.3	65	0.21	0.021
108727	Soil	0.6	34.4	11.4	84	<0.1	35.5	15.7	472	4.20	5.0	1.9	<0.5	16.6	29	<0.1	0.3	0.3	74	0.29	0.017
108728	Soil	0.6	24.3	10.6	59	<0.1	23.9	12.1	352	3.07	8.2	1.3	<0.5	8.8	20	<0.1	0.4	0.2	57	0.19	0.020
108729	Soil	0.5	19.4	11.7	60	<0.1	23.1	10.8	343	3.08	5.3	1.3	<0.5	12.3	37	<0.1	0.2	0.2	52	0.33	0.020

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Acme Analytical Laboratories (Vancouver) Ltd.  
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 Phone (604) 253-3158 Fax (604) 253-1716

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
122247	Soil	9	38	0.71	202	0.087	1	2.51	0.007	0.20	0.1	0.02	3.3	0.2	0.08	6	<0.5	<0.2
122248	Soil	29	40	1.04	197	0.167	1	2.40	0.013	0.44	<0.1	0.02	4.2	0.3	0.37	7	0.9	0.2
122249	Soil	14	40	0.52	236	0.056	<1	2.02	0.009	0.04	0.1	0.02	4.1	0.1	<0.05	5	<0.5	<0.2
122250	Soil	14	37	0.55	329	0.067	1	1.73	0.011	0.05	0.1	0.07	4.9	<0.1	0.06	5	0.9	<0.2
122251	Soil	15	36	0.59	280	0.075	<1	1.98	0.010	0.06	0.1	0.04	5.5	<0.1	<0.05	5	<0.5	<0.2
122252	Soil	20	56	1.26	306	0.250	<1	2.83	0.010	1.06	<0.1	0.02	7.0	0.7	0.10	9	0.7	<0.2
122253	Soil	20	34	0.61	207	0.092	1	1.61	0.008	0.23	<0.1	0.05	6.5	0.2	0.14	5	0.6	0.2
122254	Soil	8	41	1.00	149	0.198	1	2.75	0.008	0.84	<0.1	<0.01	3.6	0.7	0.09	7	<0.5	<0.2
122255	Soil	19	39	0.75	184	0.103	<1	2.09	0.009	0.14	0.1	0.02	5.0	0.2	<0.05	6	<0.5	<0.2
122256	Soil	9	37	0.57	178	0.072	2	2.14	0.009	0.10	0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
122257	Soil	9	42	0.48	365	0.073	<1	1.66	0.012	0.12	0.1	0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
122258	Soil	23	33	0.78	240	0.138	1	1.73	0.007	0.33	<0.1	<0.01	3.3	0.3	0.10	5	1.0	<0.2
122259	Soil	13	33	0.38	233	0.061	<1	1.42	0.013	0.13	<0.1	<0.01	2.3	0.1	0.20	4	1.0	<0.2
122260	Soil	17	35	0.64	261	0.115	1	1.53	0.010	0.31	<0.1	<0.01	3.7	0.3	0.07	4	0.8	<0.2
122261	Soil	19	31	0.80	198	0.132	<1	2.03	0.011	0.64	<0.1	<0.01	3.0	0.5	0.06	6	0.5	<0.2
122262	Soil	12	27	0.54	178	0.125	<1	1.63	0.008	0.42	0.1	0.01	2.1	0.3	<0.05	6	<0.5	<0.2
122263	Soil	14	31	0.93	277	0.092	<1	1.92	0.016	0.43	<0.1	0.01	2.1	0.3	0.39	5	<0.5	<0.2
122264	Soil	9	24	0.34	118	0.070	<1	1.05	0.012	0.08	0.1	<0.01	1.8	<0.1	0.06	5	<0.5	<0.2
122265	Soil	9	36	0.66	233	0.058	<1	1.60	0.021	0.11	<0.1	<0.01	2.8	<0.1	0.13	5	<0.5	<0.2
122266	Soil	22	75	0.76	320	0.076	2	1.87	0.009	0.37	<0.1	<0.01	4.8	0.3	0.07	6	<0.5	<0.2
108720	Soil	12	31	0.48	186	0.073	1	1.92	0.013	0.06	0.1	0.04	3.6	<0.1	<0.05	5	<0.5	<0.2
108721	Soil	15	37	0.73	343	0.102	1	2.00	0.021	0.15	<0.1	0.05	5.8	<0.1	<0.05	6	<0.5	<0.2
108722	Soil	16	44	1.17	267	0.202	<1	3.12	0.019	0.87	<0.1	<0.01	4.0	0.5	<0.05	8	<0.5	<0.2
108723	Soil	23	66	1.21	321	0.328	<1	3.41	0.021	1.15	0.2	0.01	7.8	0.7	<0.05	13	<0.5	<0.2
108724	Soil	13	36	0.72	217	0.124	1	2.45	0.014	0.25	0.1	0.01	3.7	0.3	0.05	7	<0.5	<0.2
108725	Soil	12	35	0.57	158	0.085	1	2.30	0.012	0.10	0.1	0.02	3.8	0.1	<0.05	5	<0.5	<0.2
108726	Soil	13	40	0.70	221	0.127	<1	2.66	0.015	0.28	0.1	0.01	3.7	0.3	<0.05	7	<0.5	<0.2
108727	Soil	56	57	0.97	248	0.253	1	3.04	0.020	0.57	0.2	<0.01	9.3	0.6	<0.05	11	<0.5	<0.2
108728	Soil	23	38	0.67	227	0.133	2	2.30	0.016	0.21	0.1	0.02	5.4	0.2	<0.05	6	<0.5	<0.2
108729	Soil	35	41	0.80	212	0.171	<1	2.62	0.018	0.46	0.2	<0.01	5.5	0.4	<0.05	8	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 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
108730	Soil			0.5	25.6	11.6	78	<0.1	29.6	13.6	288	3.72	2.8	1.3	4.8	19.1	27	<0.1	0.1	0.3	41	0.32	0.030
108731	Soil			0.4	31.1	12.0	86	<0.1	35.0	15.9	582	4.46	3.7	1.5	0.9	16.0	64	<0.1	0.2	0.2	59	0.47	0.051
108732	Soil			0.7	46.2	14.5	88	<0.1	46.4	20.8	476	5.00	5.1	1.5	<0.5	14.4	46	<0.1	0.2	0.2	83	0.31	0.036
108733	Soil			0.5	29.3	12.7	65	<0.1	28.4	11.9	318	3.24	5.1	1.2	<0.5	16.0	62	<0.1	0.2	0.2	45	0.30	0.031
108734	Soil			1.9	34.7	10.4	81	0.1	24.8	12.1	484	3.98	6.2	0.8	<0.5	5.4	72	<0.1	0.3	0.3	71	0.32	0.049
108735	Soil			0.7	22.7	3.4	65	<0.1	9.3	8.6	475	3.39	3.1	0.6	<0.5	3.7	78	<0.1	0.1	<0.1	100	0.27	0.030
108736	Soil			0.8	29.9	2.9	69	<0.1	21.0	14.3	526	3.82	2.2	0.6	<0.5	3.5	112	<0.1	0.1	<0.1	105	0.29	0.031
108737	Soil			0.7	26.4	2.9	36	<0.1	9.7	4.3	357	2.82	2.3	0.8	<0.5	4.1	116	<0.1	0.1	0.1	27	0.33	0.035
108738	Soil			0.8	13.8	3.9	65	<0.1	9.8	7.5	455	2.98	2.3	0.6	<0.5	3.8	34	<0.1	0.1	<0.1	70	0.36	0.028
108739	Soil			0.5	36.3	8.5	72	<0.1	27.9	9.0	199	2.99	3.4	0.7	<0.5	4.2	79	0.1	0.1	0.1	61	0.23	0.024
108740	Soil			0.7	46.2	10.9	90	<0.1	32.5	10.2	212	3.36	2.9	0.8	1.5	4.3	88	<0.1	0.1	0.3	67	0.22	0.029
108741	Soil			1.1	37.9	26.5	88	<0.1	44.0	14.5	342	4.23	1.5	1.2	2.3	15.8	20	<0.1	<0.1	0.3	51	0.19	0.026
108742	Soil			2.9	74.7	11.3	58	0.2	10.2	4.1	328	3.35	1.4	1.3	1.8	6.5	29	<0.1	<0.1	0.4	41	0.05	0.041
108743	Soil			5.5	74.5	14.5	55	0.2	12.3	5.0	373	3.07	1.5	1.7	2.0	2.4	24	<0.1	<0.1	0.4	47	0.04	0.052
108744	Soil			1.0	41.8	9.4	52	<0.1	20.4	7.0	312	2.60	3.6	1.2	4.0	4.4	14	<0.1	0.2	0.3	35	0.11	0.020
108745	Soil			2.4	68.9	11.6	35	<0.1	20.2	4.8	331	2.04	2.5	2.0	2.2	4.8	28	0.2	0.3	0.4	49	0.10	0.037
108746	Soil			2.3	45.4	14.8	48	<0.1	44.2	24.4	2025	1.57	2.1	1.2	1.5	4.5	15	0.8	0.2	0.3	32	0.04	0.019
108747	Soil			0.9	22.4	10.8	65	<0.1	27.8	10.5	267	3.22	7.5	0.8	1.7	5.4	15	<0.1	0.3	0.3	66	0.11	0.027
108748	Soil			1.1	16.5	13.7	62	<0.1	23.0	10.7	275	3.66	7.1	0.6	1.7	7.6	10	<0.1	0.4	0.3	59	0.09	0.021
108749	Soil			1.7	92.9	19.5	159	<0.1	82.2	10.9	377	4.51	1.9	1.7	1.8	7.5	30	<0.1	0.1	0.3	111	0.18	0.046
108750	Soil			1.2	19.3	10.4	57	0.1	27.0	12.9	268	3.01	11.6	0.5	4.5	4.2	13	0.1	0.6	0.2	62	0.13	0.031
108751	Soil			2.1	19.3	20.5	50	<0.1	28.0	10.5	534	2.68	4.6	1.2	1.0	13.2	8	<0.1	0.2	0.2	39	0.08	0.044
108752	Soil			0.5	34.5	4.3	34	<0.1	51.4	15.4	236	2.50	8.1	0.6	0.6	6.8	26	<0.1	0.1	0.1	60	0.21	0.025
108753	Soil			0.9	24.9	11.8	50	<0.1	22.6	10.6	539	2.74	8.4	2.0	4.9	5.8	21	<0.1	0.5	0.2	51	0.22	0.031
108754	Soil			1.3	66.0	9.1	52	<0.1	49.9	12.1	200	1.86	1.6	0.6	0.6	2.4	20	<0.1	0.1	0.1	36	0.05	0.006
108755	Soil			1.1	34.3	9.4	44	<0.1	20.9	7.4	323	2.10	5.0	1.1	2.0	4.0	25	<0.1	0.3	0.1	43	0.16	0.025
108756	Soil			2.8	51.9	11.4	64	<0.1	53.5	14.4	589	2.86	5.3	1.2	2.5	5.2	25	<0.1	0.3	0.2	51	0.12	0.021
108757	Soil			2.4	49.5	13.6	67	0.3	44.2	12.4	513	3.16	6.8	0.9	2.1	4.1	21	0.1	0.5	0.2	68	0.17	0.024
108758	Soil			1.3	52.9	8.5	79	0.1	33.3	9.7	285	2.64	3.1	0.8	4.0	2.8	15	<0.1	0.3	0.1	59	0.10	0.011
108759	Soil			2.2	64.7	12.3	76	0.2	38.3	13.5	562	3.58	2.7	0.9	2.2	3.9	27	<0.1	0.2	0.2	66	0.27	0.063

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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CERTIFICATE OF ANALYSIS

WHI11000692.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
108730	Soil	41	32	0.86	212	0.224	<1	2.44	0.016	0.84	<0.1	<0.01	3.8	0.6	<0.05	7	<0.5	<0.2
108731	Soil	56	48	1.13	254	0.286	<1	3.51	0.029	1.05	0.2	0.01	6.6	0.7	<0.05	10	<0.5	<0.2
108732	Soil	19	68	1.12	371	0.293	<1	5.18	0.036	0.86	0.3	<0.01	7.9	0.6	<0.05	15	<0.5	<0.2
108733	Soil	48	36	0.86	276	0.181	1	2.61	0.019	0.63	<0.1	0.02	4.6	0.5	<0.05	7	<0.5	<0.2
108734	Soil	14	38	0.91	196	0.129	<1	3.14	0.018	0.25	0.1	<0.01	4.1	0.2	0.12	9	<0.5	<0.2
108735	Soil	11	28	1.79	522	0.259	<1	2.85	0.015	0.97	<0.1	<0.01	10.4	0.2	<0.05	9	<0.5	<0.2
108736	Soil	9	38	1.70	502	0.235	<1	2.93	0.016	0.94	<0.1	<0.01	9.2	0.3	0.05	8	<0.5	<0.2
108737	Soil	9	9	1.22	68	0.071	<1	1.52	0.040	0.23	<0.1	0.01	3.8	0.2	0.42	4	0.5	<0.2
108738	Soil	13	21	1.23	454	0.155	<1	2.49	0.017	0.53	<0.1	<0.01	8.1	0.2	<0.05	8	<0.5	<0.2
108739	Soil	9	52	1.02	228	0.136	1	2.87	0.016	0.47	<0.1	<0.01	4.0	0.2	<0.05	7	<0.5	<0.2
108740	Soil	9	52	1.16	268	0.169	1	3.25	0.019	0.65	<0.1	<0.01	4.5	0.2	<0.05	9	0.8	<0.2
108741	Soil	64	52	1.22	215	0.208	1	3.12	0.010	0.96	<0.1	0.02	3.9	0.6	<0.05	10	0.7	<0.2
108742	Soil	23	29	0.92	254	0.169	2	1.61	0.014	1.14	<0.1	<0.01	2.3	0.6	0.46	6	0.9	0.2
108743	Soil	8	26	0.79	263	0.126	<1	1.31	0.015	0.76	<0.1	<0.01	2.1	0.4	0.47	5	1.3	0.2
108744	Soil	13	18	0.54	190	0.093	1	1.31	0.006	0.31	<0.1	0.02	4.5	0.2	<0.05	4	0.6	<0.2
108745	Soil	19	17	0.40	172	0.070	1	0.94	0.004	0.22	<0.1	0.02	3.4	0.3	0.12	3	1.7	<0.2
108746	Soil	13	16	0.20	140	0.029	2	0.84	0.002	0.18	<0.1	0.05	3.7	<0.1	<0.05	2	0.8	<0.2
108747	Soil	15	33	0.63	159	0.145	1	1.99	0.009	0.36	0.1	0.02	2.8	0.3	<0.05	7	<0.5	<0.2
108748	Soil	14	39	0.65	147	0.172	1	2.42	0.008	0.35	0.1	0.01	2.7	0.3	<0.05	7	<0.5	<0.2
108749	Soil	32	55	1.27	367	0.221	4	2.63	0.012	1.20	<0.1	0.03	4.6	0.8	<0.05	8	1.0	<0.2
108750	Soil	9	36	0.52	219	0.061	<1	2.22	0.008	0.07	0.1	0.02	2.6	<0.1	<0.05	5	0.6	<0.2
108751	Soil	25	36	0.43	163	0.136	<1	1.72	0.005	0.35	0.1	0.01	2.0	0.2	<0.05	6	<0.5	<0.2
108752	Soil	14	89	1.26	246	0.152	<1	2.08	0.011	0.39	<0.1	<0.01	5.4	0.2	<0.05	8	<0.5	<0.2
108753	Soil	21	30	0.51	266	0.063	<1	1.50	0.011	0.09	0.1	0.07	5.0	<0.1	<0.05	5	1.0	<0.2
108754	Soil	7	30	0.10	109	0.004	1	0.32	0.002	0.07	<0.1	0.11	4.8	<0.1	<0.05	2	0.9	<0.2
108755	Soil	11	27	0.31	167	0.032	1	1.16	0.007	0.04	<0.1	0.05	2.8	<0.1	<0.05	4	0.8	<0.2
108756	Soil	14	40	0.26	168	0.021	<1	1.06	0.005	0.05	<0.1	0.07	3.9	<0.1	<0.05	3	<0.5	<0.2
108757	Soil	12	61	0.61	336	0.083	1	1.74	0.009	0.17	0.1	0.02	4.4	0.1	<0.05	6	0.9	<0.2
108758	Soil	12	40	0.70	461	0.115	1	1.50	0.008	0.37	<0.1	0.02	3.9	0.2	<0.05	6	1.2	<0.2
108759	Soil	19	49	0.95	580	0.149	1	1.86	0.008	0.48	<0.1	0.02	4.6	0.2	<0.05	7	0.6	<0.2

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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
108760	Soil	1.8	59.5	10.9	73	<0.1	37.0	10.9	721	2.84	2.8	1.0	2.9	3.8	17	<0.1	0.3	0.1	49	0.14	0.015
108761	Soil	2.0	59.9	11.8	77	<0.1	34.7	12.0	785	2.95	2.7	1.0	1.9	3.5	20	<0.1	0.3	0.2	47	0.16	0.029
108762	Soil	2.2	49.3	12.3	68	<0.1	33.7	11.3	597	2.97	5.2	1.4	2.4	4.5	24	0.1	0.4	0.2	52	0.21	0.025
108763	Soil	2.6	52.4	16.8	83	<0.1	58.7	17.9	923	3.56	4.5	1.6	2.4	6.4	25	<0.1	0.4	0.2	55	0.16	0.023
108764	Soil	2.3	66.8	12.7	101	<0.1	104.4	24.1	1082	4.78	5.1	1.5	1.3	4.8	38	0.2	0.3	0.2	84	0.62	0.148
108765	Soil	1.8	65.1	9.8	86	<0.1	92.2	28.4	1129	4.80	4.0	1.6	0.7	8.4	30	0.2	0.2	0.1	98	0.53	0.117
108766	Soil	0.4	39.7	4.1	51	<0.1	422.2	37.3	1279	3.88	1.1	1.1	0.6	5.5	21	<0.1	<0.1	<0.1	84	0.68	0.099
108767	Soil	0.3	31.6	13.4	75	<0.1	29.8	13.9	271	3.29	4.4	1.2	1.9	9.9	21	<0.1	0.3	0.2	45	0.21	0.029
108768	Soil	0.5	33.8	11.6	81	<0.1	32.6	14.8	308	3.60	4.5	1.1	1.4	10.2	19	<0.1	0.3	0.3	49	0.20	0.034
108769	Soil	0.9	34.3	17.4	92	<0.1	32.4	14.3	294	3.23	1.7	1.2	1.3	13.1	17	<0.1	0.3	0.3	40	0.16	0.025
108770	Soil	0.2	32.2	21.4	71	<0.1	37.1	15.8	586	3.46	1.8	0.9	0.8	13.4	67	<0.1	0.2	0.2	35	0.62	0.035
108771	Soil	0.3	33.3	9.6	80	<0.1	39.4	12.9	525	4.03	3.6	1.3	1.4	11.2	72	<0.1	0.2	0.3	63	0.42	0.092
108772	Soil	0.4	33.0	14.0	74	<0.1	36.6	15.0	559	4.24	4.0	1.2	1.2	15.8	87	<0.1	0.3	0.2	76	0.52	0.032
108773	Soil	0.2	38.6	12.2	118	<0.1	39.4	17.9	640	5.48	1.9	1.7	0.7	21.7	45	<0.1	0.2	0.2	65	0.31	0.031
108774	Soil	0.6	34.7	9.4	87	<0.1	32.3	14.1	498	4.03	4.6	1.0	1.6	10.7	29	<0.1	0.4	0.2	61	0.29	0.035
108775	Soil	0.3	28.6	9.7	92	<0.1	39.0	18.2	442	4.48	1.1	0.6	1.5	5.5	12	<0.1	0.2	0.4	45	0.16	0.034
108776	Soil	0.3	22.9	8.7	83	<0.1	39.9	16.1	571	4.13	3.4	1.0	1.5	10.3	80	<0.1	0.2	0.2	70	0.31	0.035
108777	Soil	0.5	50.2	10.4	100	<0.1	64.4	26.4	164	4.47	5.6	0.6	0.9	2.2	11	<0.1	0.3	0.4	57	0.09	0.026
108778	Soil	0.9	49.4	7.2	42	<0.1	214.1	31.1	357	2.66	37.2	0.7	2.5	2.8	40	<0.1	0.4	0.1	51	0.26	0.059
108779	Soil	1.2	45.4	12.0	59	<0.1	24.9	10.2	722	3.38	9.1	1.4	3.9	4.7	20	<0.1	0.6	0.2	63	0.15	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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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CERTIFICATE OF ANALYSIS

WHI11000692.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
108760	Soil	15	41	0.65	299	0.100	1	1.37	0.005	0.32	<0.1	0.05	4.4	0.2	<0.05	5	0.7	<0.2
108761	Soil	14	34	0.72	325	0.134	<1	1.43	0.007	0.52	<0.1	0.06	4.3	0.3	<0.05	5	0.8	<0.2
108762	Soil	14	38	0.52	282	0.091	1	1.39	0.008	0.21	0.1	0.06	4.8	0.2	<0.05	5	0.7	<0.2
108763	Soil	19	48	0.46	268	0.076	2	1.31	0.007	0.22	<0.1	0.28	6.7	0.2	<0.05	5	<0.5	<0.2
108764	Soil	19	133	1.05	421	0.064	<1	2.38	0.008	0.29	<0.1	0.17	9.0	0.2	<0.05	8	<0.5	<0.2
108765	Soil	23	164	1.26	296	0.085	<1	1.73	0.008	0.46	<0.1	0.14	11.8	0.2	<0.05	7	0.5	<0.2
108766	Soil	17	425	4.16	248	0.160	1	2.49	0.009	0.42	<0.1	0.10	7.5	0.2	<0.05	8	0.5	<0.2
108767	Soil	29	30	0.80	212	0.171	<1	2.15	0.009	0.64	0.1	0.05	4.2	0.5	<0.05	7	<0.5	<0.2
108768	Soil	24	37	0.89	256	0.202	<1	2.37	0.010	0.74	0.1	0.03	4.1	0.5	<0.05	7	<0.5	<0.2
108769	Soil	53	33	0.89	136	0.155	<1	2.13	0.006	0.89	<0.1	0.03	3.9	0.6	<0.05	7	0.7	<0.2
108770	Soil	37	41	0.82	197	0.144	<1	2.73	0.038	0.65	<0.1	0.02	3.9	0.4	<0.05	10	0.7	<0.2
108771	Soil	69	52	1.00	354	0.301	<1	3.23	0.022	0.88	0.1	0.03	6.2	0.7	<0.05	11	<0.5	<0.2
108772	Soil	38	59	1.01	316	0.200	<1	4.52	0.088	0.78	0.1	0.02	8.3	0.5	<0.05	13	0.6	<0.2
108773	Soil	69	52	1.28	250	0.362	<1	3.57	0.018	1.75	<0.1	<0.01	6.5	1.2	<0.05	12	0.5	<0.2
108774	Soil	30	48	0.97	271	0.252	<1	2.77	0.013	0.99	<0.1	0.03	6.2	0.7	<0.05	9	1.0	<0.2
108775	Soil	16	40	1.04	268	0.332	<1	2.64	0.009	1.47	<0.1	<0.01	4.2	0.8	<0.05	9	<0.5	<0.2
108776	Soil	47	93	1.24	359	0.326	<1	2.93	0.015	1.02	0.2	<0.01	8.1	0.6	<0.05	11	<0.5	<0.2
108777	Soil	8	44	1.30	286	0.314	<1	3.00	0.011	1.18	<0.1	<0.01	4.1	0.7	<0.05	9	<0.5	<0.2
108778	Soil	15	173	1.32	148	0.042	1	1.66	0.007	0.02	1.5	0.02	4.5	<0.1	<0.05	4	<0.5	<0.2
108779	Soil	16	37	0.61	219	0.105	1	1.77	0.010	0.16	0.1	0.04	7.1	<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: **Taku Gold Corp**  
680 3rd Ave, Suite 203  
Val D'Or QC J9P 1S5 Canada

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Report Date: August 09, 2011

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# QUALITY CONTROL REPORT

WHI11000692.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
107515	Soil	0.8	46.7	3.8	81	<0.1	16.5	5.6	116	2.43	0.6	0.6	1.9	0.9	12	<0.1	<0.1	0.1	40	0.07	0.035
REP 107515	QC	0.8	44.7	3.5	76	<0.1	15.2	5.3	108	2.28	<0.5	0.6	1.5	0.9	11	<0.1	<0.1	0.1	39	0.07	0.032
107535	Soil	1.0	116.9	6.5	104	<0.1	119.6	15.2	728	4.00	3.1	1.6	1.6	9.3	22	<0.1	0.2	0.1	144	0.43	0.105
REP 107535	QC	0.9	113.9	6.4	105	<0.1	117.4	14.6	687	3.89	3.1	1.7	1.4	9.1	21	<0.1	0.1	0.1	139	0.40	0.094
107562	Soil	0.7	33.6	5.2	101	<0.1	31.5	12.5	714	4.16	4.6	0.7	<0.5	5.2	16	<0.1	0.2	0.1	119	0.19	0.056
REP 107562	QC	0.7	33.0	5.0	100	<0.1	30.6	12.3	713	4.11	4.5	0.8	<0.5	5.1	16	<0.1	0.1	0.2	118	0.19	0.054
107573	Soil	0.8	48.1	7.6	70	<0.1	30.1	10.3	873	3.28	4.2	0.9	<0.5	6.7	13	<0.1	0.3	0.1	65	0.21	0.070
REP 107573	QC	0.8	48.5	7.5	73	<0.1	30.5	10.0	856	3.20	3.9	0.8	0.8	6.6	13	<0.1	0.2	0.1	62	0.20	0.066
107585	Soil	1.5	56.9	7.7	72	0.1	42.5	12.5	337	3.10	5.8	2.0	5.8	5.6	16	<0.1	0.5	0.3	57	0.14	0.024
REP 107585	QC	1.4	54.1	7.8	72	<0.1	37.5	11.9	306	2.81	5.5	2.0	5.3	5.3	16	<0.1	0.4	0.2	54	0.13	0.022
101267	Soil	0.6	25.8	7.6	64	<0.1	29.5	13.2	324	3.57	5.1	1.1	1.0	11.9	28	<0.1	0.3	0.1	73	0.31	0.032
REP 101267	QC	0.6	26.5	8.0	67	<0.1	29.2	12.9	307	3.57	4.9	1.2	1.8	12.0	29	<0.1	0.3	0.1	70	0.28	0.031
101287	Soil	0.5	47.9	10.5	65	<0.1	32.5	15.4	190	3.05	5.2	0.6	1.2	4.3	8	<0.1	0.2	0.3	45	0.09	0.014
REP 101287	QC	0.5	48.9	10.6	65	<0.1	33.5	15.7	195	3.05	5.1	0.6	1.4	4.4	9	<0.1	0.2	0.3	45	0.10	0.015
101300	Soil	2.1	49.4	10.5	70	<0.1	25.9	12.2	373	2.98	4.6	1.2	4.3	4.6	15	<0.1	0.4	0.2	57	0.10	0.034
REP 101300	QC	1.9	49.5	10.6	66	<0.1	25.8	12.4	365	3.01	4.3	1.1	<0.5	4.4	15	<0.1	0.3	0.2	57	0.09	0.031
101306	Soil	2.0	78.3	12.5	84	0.2	41.5	16.0	450	3.00	5.4	1.5	5.5	6.7	27	<0.1	0.5	0.4	55	0.27	0.022
REP 101306	QC	1.7	74.8	12.5	77	0.2	38.9	15.3	434	2.89	5.6	1.4	2.9	6.8	26	<0.1	0.4	0.4	53	0.27	0.023
101340	Soil	2.6	30.9	37.4	48	0.3	20.5	9.3	450	2.49	17.0	1.0	1.8	3.2	23	0.1	0.4	0.2	69	0.24	0.046
REP 101340	QC	2.6	30.3	37.8	49	0.3	19.9	8.9	445	2.46	16.9	1.0	1.0	3.1	24	0.1	0.4	0.3	67	0.23	0.049
122192	Soil	1.0	40.6	9.0	62	<0.1	23.8	9.9	326	3.11	6.0	0.8	1.2	3.5	36	<0.1	0.3	0.2	63	0.27	0.040
REP 122192	QC	1.1	41.2	9.4	64	<0.1	24.1	9.8	339	3.18	6.7	0.9	0.7	3.8	37	0.1	0.4	0.2	66	0.29	0.044
122200	Soil	1.4	28.8	9.8	79	<0.1	24.7	12.6	380	3.63	3.3	1.7	1.2	7.4	37	0.2	0.1	0.2	66	0.60	0.050
REP 122200	QC	1.3	29.3	9.2	80	0.1	25.0	12.6	384	3.61	3.1	1.7	1.0	7.3	37	<0.1	0.1	0.2	64	0.59	0.049
122230	Soil	1.4	26.8	11.0	54	<0.1	43.9	12.2	407	2.59	5.8	0.6	1.6	3.7	18	<0.1	0.3	<0.1	55	0.26	0.040
REP 122230	QC	1.6	27.2	11.7	54	<0.1	42.8	12.1	413	2.61	6.1	0.6	1.2	3.5	18	<0.1	0.3	0.1	55	0.26	0.040
122244	Soil	1.4	32.8	11.4	61	<0.1	24.2	10.6	381	2.95	8.1	1.1	1.6	4.5	19	<0.1	0.6	0.2	70	0.16	0.019
REP 122244	QC	1.3	34.3	11.2	62	<0.1	25.0	10.4	390	2.97	8.2	1.1	2.4	4.6	19	<0.1	0.5	0.2	70	0.16	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: **Taku Gold Corp**  
680 3rd Ave, Suite 203  
Val D'Or QC J9P 1S5 Canada

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QUALITY CONTROL REPORT

WHI11000692.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
107515	Soil	2	39	1.28	278	0.188	<1	1.70	0.009	1.02	<0.1	<0.01	2.2	0.5	0.14	5	<0.5	<0.2
REP 107515	QC	2	38	1.24	259	0.177	<1	1.61	0.009	0.96	<0.1	<0.01	2.1	0.5	0.12	5	0.6	<0.2
107535	Soil	27	194	1.76	828	0.155	<1	2.94	0.009	0.65	0.1	0.01	9.6	0.6	<0.05	11	1.2	<0.2
REP 107535	QC	26	191	1.62	813	0.149	<1	2.85	0.009	0.64	<0.1	0.02	9.1	0.6	<0.05	11	0.8	<0.2
107562	Soil	9	150	1.94	630	0.240	<1	3.31	0.015	1.17	<0.1	<0.01	11.7	0.3	<0.05	12	<0.5	<0.2
REP 107562	QC	9	149	1.93	611	0.245	<1	3.36	0.015	1.16	<0.1	<0.01	11.4	0.4	<0.05	11	<0.5	<0.2
107573	Soil	16	37	0.71	214	0.138	<1	1.59	0.007	0.67	0.2	<0.01	5.3	0.3	<0.05	6	<0.5	<0.2
REP 107573	QC	16	37	0.74	215	0.134	<1	1.61	0.007	0.65	0.2	<0.01	5.3	0.4	<0.05	6	<0.5	<0.2
107585	Soil	17	36	0.50	241	0.107	<1	1.76	0.009	0.29	0.1	0.02	5.3	0.2	<0.05	4	1.1	<0.2
REP 107585	QC	16	36	0.45	236	0.101	<1	1.60	0.009	0.26	<0.1	0.02	4.8	0.2	<0.05	5	<0.5	<0.2
101267	Soil	30	63	0.78	186	0.208	<1	2.51	0.011	0.35	0.1	0.02	5.0	0.3	<0.05	8	<0.5	<0.2
REP 101267	QC	30	60	0.78	182	0.201	1	2.64	0.011	0.32	0.1	0.01	4.7	0.3	<0.05	8	<0.5	<0.2
101287	Soil	12	34	0.87	127	0.144	<1	2.00	0.008	0.59	0.1	0.01	2.9	0.3	<0.05	6	<0.5	<0.2
REP 101287	QC	12	35	0.93	128	0.146	<1	2.27	0.009	0.62	0.1	<0.01	3.2	0.3	<0.05	6	<0.5	<0.2
101300	Soil	13	31	0.81	147	0.099	1	1.98	0.012	0.30	0.1	<0.01	2.6	0.2	0.06	6	0.5	<0.2
REP 101300	QC	12	31	0.81	144	0.097	1	1.93	0.010	0.29	<0.1	<0.01	2.6	0.2	0.06	5	0.6	<0.2
101306	Soil	18	39	0.92	219	0.155	<1	1.84	0.011	0.40	<0.1	0.02	4.3	0.4	<0.05	6	0.6	<0.2
REP 101306	QC	18	37	0.92	206	0.148	<1	1.83	0.011	0.39	0.1	0.02	3.9	0.4	<0.05	6	0.8	<0.2
101340	Soil	10	30	0.29	308	0.036	<1	1.39	0.010	0.08	0.1	0.02	3.0	<0.1	0.05	4	0.6	<0.2
REP 101340	QC	10	30	0.28	305	0.035	<1	1.34	0.010	0.08	0.1	0.02	2.9	0.1	0.05	5	1.0	<0.2
122192	Soil	13	32	0.65	198	0.132	1	2.30	0.015	0.27	0.1	0.02	3.4	0.2	<0.05	7	0.5	<0.2
REP 122192	QC	14	33	0.68	207	0.142	2	2.42	0.015	0.28	0.1	0.02	3.7	0.2	<0.05	8	<0.5	<0.2
122200	Soil	35	35	1.10	245	0.181	1	2.73	0.020	0.58	0.1	<0.01	6.1	0.3	<0.05	9	0.6	<0.2
REP 122200	QC	34	34	1.07	245	0.175	<1	2.68	0.020	0.57	<0.1	0.01	6.0	0.3	<0.05	9	<0.5	<0.2
122230	Soil	10	86	0.70	244	0.087	<1	1.33	0.009	0.13	0.1	0.02	2.8	0.1	<0.05	4	<0.5	<0.2
REP 122230	QC	9	86	0.72	249	0.085	<1	1.32	0.008	0.13	0.2	0.02	2.8	0.1	<0.05	4	0.7	<0.2
122244	Soil	16	40	0.57	267	0.070	<1	1.99	0.010	0.04	0.1	0.05	5.3	<0.1	<0.05	6	<0.5	<0.2
REP 122244	QC	16	40	0.56	260	0.074	1	2.02	0.010	0.04	0.1	0.05	5.3	<0.1	<0.05	6	<0.5	<0.2

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.



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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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QUALITY CONTROL REPORT

WHI11000692.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
122254	Soil	1.2	52.0	14.1	75	<0.1	24.5	11.1	359	3.23	4.2	1.0	1.7	7.8	21	<0.1	0.2	0.3	44	0.13	0.019
REP 122254	QC	1.2	52.1	14.0	76	<0.1	23.9	10.9	366	3.26	4.2	0.9	1.2	7.6	20	<0.1	0.2	0.3	44	0.12	0.019
108728	Soil	0.6	24.3	10.6	59	<0.1	23.9	12.1	352	3.07	8.2	1.3	<0.5	8.8	20	<0.1	0.4	0.2	57	0.19	0.020
REP 108728	QC	0.7	25.5	10.6	59	<0.1	24.6	12.2	368	3.24	8.5	1.3	1.4	8.9	21	<0.1	0.4	0.2	57	0.20	0.021
108753	Soil	0.9	24.9	11.8	50	<0.1	22.6	10.6	539	2.74	8.4	2.0	4.9	5.8	21	<0.1	0.5	0.2	51	0.22	0.031
REP 108753	QC	0.8	26.1	11.3	53	<0.1	23.6	10.8	558	2.74	8.4	2.0	3.2	5.9	21	<0.1	0.5	0.2	51	0.23	0.031
108762	Soil	2.2	49.3	12.3	68	<0.1	33.7	11.3	597	2.97	5.2	1.4	2.4	4.5	24	0.1	0.4	0.2	52	0.21	0.025
REP 108762	QC	2.1	48.4	11.7	69	<0.1	34.7	10.9	607	2.95	4.9	1.4	3.2	4.4	23	0.2	0.4	0.2	51	0.21	0.025
108776	Soil	0.3	22.9	8.7	83	<0.1	39.9	16.1	571	4.13	3.4	1.0	1.5	10.3	80	<0.1	0.2	0.2	70	0.31	0.035
REP 108776	QC	0.4	23.0	8.4	83	<0.1	40.2	16.0	571	4.10	3.3	1.0	0.8	10.2	76	<0.1	0.2	0.2	72	0.30	0.036
Reference Materials																					
STD DS8	Standard	12.6	113.5	123.9	319	1.8	38.4	7.8	599	2.46	26.9	2.7	105.8	6.5	64	2.2	5.8	7.0	41	0.64	0.083
STD DS8	Standard	12.9	114.1	127.8	311	1.7	39.8	7.8	620	2.49	25.9	2.7	111.5	6.3	62	2.2	5.7	6.9	42	0.64	0.081
STD DS8	Standard	13.6	114.0	126.9	313	1.8	39.1	7.6	622	2.51	27.6	2.9	111.3	6.9	69	2.2	5.8	7.0	43	0.67	0.079
STD DS8	Standard	14.3	113.7	125.0	322	1.8	38.0	7.8	610	2.50	28.1	2.8	138.1	6.7	68	2.2	6.1	6.8	44	0.70	0.079
STD DS8	Standard	12.4	101.6	120.3	286	1.8	33.7	7.0	563	2.26	27.6	2.6	117.0	6.6	52	2.2	4.7	5.1	39	0.62	0.079
STD DS8	Standard	12.2	98.5	122.0	291	1.8	34.3	6.9	579	2.35	26.8	2.7	110.1	6.8	53	2.0	4.4	5.1	40	0.66	0.074
STD DS8	Standard	12.6	104.5	121.4	301	1.8	35.4	7.1	589	2.31	25.5	2.7	102.8	6.4	63	2.3	5.2	5.7	40	0.68	0.077
STD DS8	Standard	13.5	108.6	132.0	324	1.9	37.6	7.5	612	2.50	27.1	2.7	101.6	7.0	70	2.2	5.5	6.2	41	0.68	0.079
STD DS8	Standard	13.4	113.8	128.8	315	1.7	39.4	8.4	651	2.54	26.8	3.0	108.7	7.1	68	2.2	5.7	6.5	46	0.70	0.083
STD DS8	Standard	14.7	118.5	127.6	313	1.8	38.2	8.1	643	2.61	27.3	3.1	104.5	7.8	73	2.2	5.7	6.6	49	0.76	0.081
STD DS8	Standard	12.8	106.1	127.4	307	2.0	36.3	7.5	589	2.47	28.5	2.8	120.8	7.0	67	2.1	5.8	6.8	42	0.69	0.075
STD DS8	Standard	12.8	105.0	128.9	308	1.8	35.4	7.2	584	2.41	27.8	2.6	112.4	6.8	64	2.4	5.6	6.9	42	0.68	0.079
STD DS8	Standard	11.6	100.2	116.7	304	1.6	34.7	7.0	604	2.42	25.8	2.5	119.9	6.3	65	2.4	5.1	6.5	40	0.68	0.077
STD DS8	Standard	12.8	106.8	122.0	322	1.8	37.7	7.2	619	2.51	26.2	2.6	112.1	6.5	67	2.2	5.5	6.9	42	0.68	0.083
STD DS8	Standard	11.3	98.0	118.8	295	1.7	35.2	7.0	588	2.39	25.7	2.4	98.8	5.9	62	2.2	5.2	5.9	40	0.64	0.073
STD DS8	Standard	11.7	106.6	125.8	317	1.8	37.9	7.2	599	2.48	26.2	2.5	125.8	6.5	65	2.1	5.3	6.2	40	0.65	0.075
STD DS8	Standard	14.5	115.7	124.7	324	1.8	40.2	8.0	640	2.57	27.9	2.7	107.5	6.7	67	2.4	5.3	6.4	44	0.74	0.081
STD DS8	Standard	13.5	112.5	127.5	320	1.8	38.9	7.8	644	2.60	27.5	2.7	108.1	7.0	67	2.6	5.3	6.6	44	0.73	0.079

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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QUALITY CONTROL REPORT

WHI11000692.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
122254	Soil	8	41	1.00	149	0.198	1	2.75	0.008	0.84	<0.1	<0.01	3.6	0.7	0.09	7	<0.5	<0.2
REP 122254	QC	8	40	0.98	147	0.192	<1	2.67	0.009	0.81	<0.1	<0.01	3.3	0.7	0.08	7	<0.5	<0.2
108728	Soil	23	38	0.67	227	0.133	2	2.30	0.016	0.21	0.1	0.02	5.4	0.2	<0.05	6	<0.5	<0.2
REP 108728	QC	23	39	0.68	239	0.132	2	2.43	0.015	0.23	0.2	0.02	5.6	0.3	<0.05	6	<0.5	<0.2
108753	Soil	21	30	0.51	266	0.063	<1	1.50	0.011	0.09	0.1	0.07	5.0	<0.1	<0.05	5	1.0	<0.2
REP 108753	QC	21	31	0.52	264	0.064	2	1.50	0.010	0.09	0.1	0.07	5.1	<0.1	<0.05	5	0.6	<0.2
108762	Soil	14	38	0.52	282	0.091	1	1.39	0.008	0.21	0.1	0.06	4.8	0.2	<0.05	5	0.7	<0.2
REP 108762	QC	13	37	0.51	281	0.091	<1	1.40	0.008	0.21	0.1	0.06	4.8	0.2	<0.05	5	0.5	<0.2
108776	Soil	47	93	1.24	359	0.326	<1	2.93	0.015	1.02	0.2	<0.01	8.1	0.6	<0.05	11	<0.5	<0.2
REP 108776	QC	47	93	1.26	358	0.334	<1	2.96	0.014	0.98	0.2	<0.01	8.3	0.6	<0.05	11	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	12	118	0.61	266	0.118	3	0.86	0.080	0.40	3.0	0.19	1.8	5.1	0.17	4	5.4	4.9
STD DS8	Standard	13	122	0.60	269	0.123	3	0.84	0.077	0.42	3.0	0.21	2.0	5.3	0.17	4	5.0	4.7
STD DS8	Standard	14	123	0.61	274	0.126	3	0.89	0.081	0.42	2.9	0.20	2.1	5.7	0.17	4	5.9	5.0
STD DS8	Standard	15	122	0.60	287	0.131	2	0.89	0.083	0.42	2.9	0.21	2.0	5.2	0.18	5	5.1	5.0
STD DS8	Standard	13	107	0.57	269	0.097	2	0.82	0.075	0.39	2.9	0.22	1.7	5.2	0.20	4	5.5	5.1
STD DS8	Standard	13	109	0.60	264	0.102	3	0.87	0.082	0.41	2.8	0.22	1.8	5.2	0.20	5	5.9	5.0
STD DS8	Standard	14	111	0.62	268	0.106	3	0.89	0.089	0.41	3.1	0.21	1.8	5.5	0.15	5	5.3	5.1
STD DS8	Standard	14	112	0.64	281	0.110	4	0.93	0.090	0.42	3.2	0.21	1.9	5.8	0.13	5	5.7	4.9
STD DS8	Standard	15	131	0.63	288	0.128	2	0.93	0.098	0.39	3.1	0.20	2.2	5.3	0.15	5	5.9	4.8
STD DS8	Standard	17	135	0.61	293	0.142	3	0.98	0.089	0.40	3.0	0.21	2.3	5.4	0.15	5	5.5	4.9
STD DS8	Standard	15	114	0.59	288	0.114	3	0.89	0.090	0.43	3.2	0.22	2.1	5.6	0.16	5	4.8	4.8
STD DS8	Standard	14	113	0.62	263	0.108	3	0.88	0.096	0.43	2.9	0.20	2.0	5.4	0.18	5	5.1	4.5
STD DS8	Standard	14	110	0.59	271	0.108	3	0.87	0.089	0.40	2.8	0.18	2.2	5.2	0.10	4	4.5	4.9
STD DS8	Standard	15	119	0.62	283	0.112	2	0.94	0.093	0.42	3.0	0.20	2.1	5.4	0.12	5	5.0	5.0
STD DS8	Standard	12	112	0.59	248	0.099	3	0.84	0.079	0.41	2.9	0.21	1.7	5.1	0.22	4	5.0	4.6
STD DS8	Standard	13	115	0.61	269	0.105	3	0.88	0.086	0.41	3.3	0.22	1.8	5.3	0.17	5	5.8	4.8
STD DS8	Standard	16	121	0.63	288	0.122	3	0.94	0.089	0.43	3.3	0.19	2.2	5.4	0.16	5	5.1	4.9
STD DS8	Standard	16	121	0.63	290	0.118	3	0.93	0.090	0.44	3.5	0.20	2.3	5.4	0.17	5	6.4	5.2



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 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 09, 2011

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QUALITY CONTROL REPORT

WHI11000692.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	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
STD DS8	Standard	12.3	106.7	125.5	299	1.8	37.1	7.3	603	2.38	24.8	2.6	106.0	6.5	60	2.2	5.0	6.4	41	0.68	0.073
STD DS8	Standard	12.5	107.2	126.8	306	1.8	35.6	7.2	585	2.38	26.2	2.7	113.5	6.6	61	2.2	5.0	6.5	40	0.67	0.080
STD DS8	Standard	11.5	99.5	111.6	276	1.5	34.8	7.0	542	2.20	23.6	2.5	112.1	5.9	55	1.9	4.3	5.5	37	0.59	0.073
STD DS8	Standard	12.4	98.6	114.0	279	1.7	33.3	7.3	567	2.25	24.8	2.6	111.3	6.5	57	2.0	4.5	5.7	40	0.64	0.077
STD DS8	Standard	12.5	105.7	128.5	299	1.7	35.9	7.2	564	2.32	25.3	2.8	103.9	6.9	65	2.0	5.6	6.7	40	0.65	0.076
STD DS8	Standard	11.0	109.4	119.0	296	1.6	37.6	7.4	564	2.33	23.5	2.6	103.1	6.2	62	2.2	5.7	6.3	39	0.61	0.074
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<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
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



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

**Client:** Taku Gold Corp  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

**Project:** DAN  
**Report Date:** August 09, 2011

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QUALITY CONTROL REPORT

WHI11000692.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	13	114	0.60	272	0.108	2	0.86	0.083	0.40	3.1	0.21	2.0	5.4	0.14	4	4.8	4.8
STD DS8	Standard	14	111	0.61	269	0.109	2	0.88	0.085	0.42	3.1	0.20	1.9	5.4	0.14	4	5.0	4.8
STD DS8	Standard	12	100	0.56	245	0.090	2	0.79	0.077	0.38	2.7	0.18	1.6	4.7	0.14	4	4.4	4.6
STD DS8	Standard	14	106	0.58	265	0.100	3	0.83	0.082	0.39	2.8	0.17	1.7	4.8	0.19	4	3.9	5.1
STD DS8	Standard	14	113	0.59	260	0.113	2	0.86	0.084	0.39	2.7	0.20	2.3	5.1	0.15	5	5.1	4.5
STD DS8	Standard	12	115	0.56	241	0.113	2	0.83	0.077	0.38	2.6	0.18	1.9	5.0	0.16	4	4.7	4.9
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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.

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Client: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5 Canada

Submitted By: Lauren Wilson
Receiving Lab: Canada-Whitehorse
Received: July 22, 2011
Report Date: August 07, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000699.1

CLIENT JOB INFORMATION

Project: DAN
Shipment ID: 20110708082730
P.O. Number
Number of Samples: 319

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil 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: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Mark Fekete

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX2.

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. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.





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

www.acmelab.com

Client: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

WHI11000699.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
101220	Soil	4.8	120.5	9.8	189	<0.1	150.3	32.8	478	9.74	4.5	1.9	<0.5	8.5	20	0.2	0.4	<0.1	197	0.41	0.128
101221	Soil	0.8	42.1	7.4	50	<0.1	44.0	16.8	258	3.58	7.2	0.6	1.3	3.8	26	<0.1	0.3	0.1	79	0.16	0.027
101222	Soil	1.1	33.2	9.9	60	<0.1	34.0	14.2	376	3.39	8.9	1.1	1.2	6.7	18	<0.1	0.5	0.2	66	0.18	0.026
101223	Soil	0.6	24.4	11.2	68	<0.1	40.2	15.9	356	4.13	6.3	0.7	1.0	7.3	20	<0.1	0.3	0.2	65	0.16	0.031
101224	Soil	1.8	46.4	10.6	81	0.1	29.6	13.1	524	3.52	5.6	1.1	1.1	3.9	15	0.1	0.3	0.2	59	0.14	0.032
101225	Soil	2.0	66.5	11.0	83	0.1	43.2	16.2	429	4.08	8.5	2.0	3.8	5.1	18	<0.1	0.6	0.2	89	0.16	0.036
101226	Soil	0.5	22.3	4.3	36	<0.1	297.5	24.0	249	2.94	3.4	0.4	1.0	2.6	25	<0.1	0.2	0.2	48	0.35	0.019
101227	Soil	1.5	48.8	12.0	79	0.1	30.8	9.2	294	3.49	5.9	1.7	3.3	6.9	19	0.2	0.3	0.2	80	0.13	0.042
101228	Soil	2.2	48.2	16.2	54	<0.1	14.4	5.8	299	2.47	3.0	1.2	0.5	6.6	25	<0.1	0.3	0.2	44	0.10	0.034
101229	Soil	3.0	29.7	6.9	64	0.3	16.0	3.1	144	1.67	1.8	0.8	<0.5	2.3	10	0.2	0.2	0.1	61	0.06	0.036
101230	Soil	4.9	63.3	7.3	183	0.6	45.8	4.1	226	3.71	4.0	1.5	<0.5	4.1	55	0.3	0.2	0.1	204	0.16	0.063
101231	Soil	2.5	61.3	11.3	92	0.2	37.5	12.6	413	3.54	9.7	1.2	3.0	5.9	24	0.2	0.6	0.2	73	0.20	0.037
101232	Soil	2.4	68.4	7.4	93	0.4	22.0	5.7	139	3.82	10.1	0.6	5.5	1.5	18	0.1	0.5	0.3	90	0.05	0.047
101233	Soil	1.5	46.1	12.1	105	0.2	44.5	12.7	363	3.63	8.4	0.8	1.6	6.8	12	0.1	0.4	0.2	70	0.11	0.022
101234	Soil	1.3	37.0	8.2	83	0.1	27.9	12.6	504	3.24	9.5	1.3	4.3	5.6	34	0.2	0.5	0.2	73	0.41	0.036
101235	Soil	0.4	22.4	5.9	49	<0.1	26.6	12.5	210	3.17	4.9	0.8	0.7	6.9	77	<0.1	0.2	0.1	71	0.37	0.024
101236	Soil	0.3	22.0	2.6	20	<0.1	96.2	9.4	169	1.23	3.2	0.4	1.0	3.1	13	<0.1	0.1	<0.1	25	0.18	0.018
101237	Soil	0.2	31.3	2.2	21	<0.1	19.1	9.2	191	1.65	2.7	0.5	1.2	2.9	151	<0.1	<0.1	<0.1	43	0.86	0.100
101238	Soil	0.4	26.2	9.1	77	<0.1	30.5	14.7	195	3.33	2.4	1.1	0.7	14.9	32	<0.1	<0.1	0.4	50	0.50	0.149
101239	Soil	0.4	28.0	6.5	71	<0.1	34.6	15.1	210	3.98	3.4	1.4	<0.5	14.5	20	<0.1	0.2	0.2	53	0.24	0.053
101240	Soil	0.6	28.5	6.6	70	<0.1	33.5	14.2	210	3.57	4.3	1.4	<0.5	13.8	23	<0.1	0.2	0.2	50	0.28	0.046
101241	Soil	0.6	44.9	12.9	79	<0.1	31.3	13.6	365	3.59	6.5	1.2	1.8	13.8	26	<0.1	0.4	0.3	70	0.38	0.038
101242	Soil	0.4	33.7	8.0	84	<0.1	34.6	14.4	338	4.01	7.2	2.1	<0.5	17.1	40	<0.1	0.3	0.2	83	0.47	0.049
101243	Soil	1.2	32.5	8.1	75	<0.1	23.8	11.5	448	3.93	5.5	0.6	<0.5	9.8	23	<0.1	0.2	0.2	55	0.37	0.053
101244	Soil	0.7	21.7	8.0	56	<0.1	23.6	12.8	412	3.30	6.1	1.0	0.9	7.7	19	<0.1	0.4	0.2	56	0.24	0.055
101245	Soil	0.5	22.2	3.7	87	<0.1	8.5	22.4	815	5.01	3.7	0.6	0.9	2.4	35	<0.1	0.1	<0.1	113	0.54	0.130
101246	Soil	0.3	16.0	13.0	74	<0.1	29.0	17.4	520	4.30	3.3	1.1	<0.5	11.2	188	<0.1	<0.1	0.2	90	0.63	0.071
101247	Soil	0.4	30.7	4.1	72	<0.1	11.5	17.3	761	4.28	3.9	0.7	<0.5	6.7	21	<0.1	0.1	<0.1	124	0.32	0.076
101248	Soil	0.6	38.3	5.2	81	<0.1	14.8	18.5	623	4.41	6.7	0.5	2.9	4.8	27	<0.1	0.3	<0.1	104	0.50	0.065
101249	Soil	0.7	24.7	5.9	73	<0.1	15.9	16.3	540	3.79	7.4	0.4	<0.5	5.3	23	<0.1	0.3	0.1	92	0.33	0.061

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

WHI11000699.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
101220	Soil	22	279	1.22	158	0.063	1	2.37	0.004	0.06	<0.1	0.03	17.8	<0.1	<0.05	8	1.4	<0.2
101221	Soil	10	74	0.77	280	0.102	<1	2.24	0.008	0.18	<0.1	0.03	4.8	0.1	<0.05	6	<0.5	<0.2
101222	Soil	17	45	0.68	303	0.110	<1	2.21	0.008	0.16	0.1	0.03	5.1	0.2	<0.05	6	0.6	<0.2
101223	Soil	12	53	0.83	348	0.172	<1	3.54	0.008	0.65	0.2	0.02	5.6	0.4	<0.05	9	<0.5	<0.2
101224	Soil	11	35	0.80	192	0.164	1	2.01	0.007	0.50	0.1	0.02	3.5	0.3	<0.05	6	<0.5	<0.2
101225	Soil	19	55	0.81	317	0.129	1	2.51	0.008	0.22	0.1	0.04	7.4	0.2	<0.05	7	<0.5	<0.2
101226	Soil	11	563	3.02	164	0.112	1	2.08	0.006	0.07	<0.1	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
101227	Soil	17	40	0.66	326	0.134	2	2.19	0.013	0.44	0.1	0.03	3.3	0.3	0.12	6	0.9	<0.2
101228	Soil	17	25	0.48	175	0.101	<1	1.30	0.006	0.42	<0.1	<0.01	1.9	0.3	0.10	4	0.9	<0.2
101229	Soil	7	24	0.28	203	0.049	<1	0.76	0.003	0.14	<0.1	0.01	1.3	0.2	<0.05	3	1.9	<0.2
101230	Soil	18	182	1.50	408	0.130	2	2.50	0.032	0.43	<0.1	0.01	5.7	0.4	0.34	9	2.8	<0.2
101231	Soil	17	43	0.68	219	0.097	<1	1.95	0.011	0.20	0.1	0.02	4.1	0.1	0.09	6	0.6	<0.2
101232	Soil	4	47	0.84	580	0.136	1	1.90	0.022	0.82	<0.1	0.02	3.0	0.4	0.35	6	1.7	<0.2
101233	Soil	11	48	0.93	249	0.138	1	2.49	0.007	0.48	0.1	0.02	4.7	0.4	<0.05	8	<0.5	<0.2
101234	Soil	21	44	0.70	382	0.102	2	1.87	0.017	0.09	0.1	0.04	6.9	<0.1	<0.05	6	<0.5	<0.2
101235	Soil	11	49	1.02	314	0.161	<1	2.54	0.025	0.51	<0.1	0.01	5.6	0.3	<0.05	8	<0.5	<0.2
101236	Soil	10	106	0.58	55	0.029	<1	0.65	0.008	0.02	<0.1	<0.01	2.1	<0.1	<0.05	2	<0.5	<0.2
101237	Soil	12	25	0.56	242	0.087	<1	1.88	0.062	0.13	<0.1	<0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
101238	Soil	29	44	0.90	186	0.153	2	2.67	0.016	0.80	<0.1	0.02	4.2	0.4	<0.05	9	<0.5	<0.2
101239	Soil	30	49	0.88	170	0.152	2	2.52	0.011	0.59	<0.1	0.02	4.3	0.4	0.06	9	<0.5	<0.2
101240	Soil	38	45	0.84	181	0.146	1	2.48	0.010	0.50	<0.1	0.02	4.5	0.4	<0.05	9	0.7	<0.2
101241	Soil	42	60	0.91	236	0.171	1	2.41	0.013	0.23	0.2	0.03	8.0	0.2	<0.05	10	<0.5	<0.2
101242	Soil	135	130	1.18	214	0.189	1	2.77	0.020	0.42	0.1	0.03	13.3	0.4	<0.05	12	0.7	<0.2
101243	Soil	10	44	0.75	136	0.086	1	2.03	0.009	0.16	<0.1	0.01	5.6	0.2	0.06	8	<0.5	<0.2
101244	Soil	17	49	0.77	222	0.146	2	2.11	0.010	0.50	0.1	0.01	3.9	0.3	0.05	7	<0.5	<0.2
101245	Soil	13	14	1.61	482	0.275	<1	3.54	0.015	1.27	<0.1	0.01	3.3	0.2	<0.05	10	<0.5	<0.2
101246	Soil	36	67	1.38	480	0.258	1	4.29	0.030	1.29	<0.1	0.02	6.7	0.5	<0.05	13	<0.5	<0.2
101247	Soil	10	21	1.52	447	0.261	<1	3.22	0.017	1.26	<0.1	0.02	3.8	0.3	<0.05	9	<0.5	<0.2
101248	Soil	12	29	1.45	291	0.233	1	3.09	0.016	0.28	<0.1	0.01	3.8	<0.1	0.06	8	<0.5	<0.2
101249	Soil	6	26	1.24	354	0.203	<1	2.88	0.014	0.60	0.1	0.01	3.0	0.1	<0.05	7	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

WHI11000699.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	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	2	0.01	0.001	
103519	Soil		0.7	23.4	10.2	63	<0.1	24.7	10.0	311	3.08	8.3	1.0	0.8	6.4	27	0.1	0.4	0.2	53	0.30	0.065
103520	Soil		1.0	20.2	10.8	69	<0.1	25.1	11.9	384	3.20	9.4	1.0	4.0	7.2	23	0.1	0.4	0.2	62	0.21	0.041
103521	Soil		0.7	21.9	10.8	70	<0.1	23.7	11.2	401	3.00	5.2	1.2	<0.5	8.5	30	<0.1	0.3	0.2	48	0.28	0.047
103522	Soil		1.1	22.0	11.8	64	0.1	23.9	10.6	349	3.32	6.8	1.0	<0.5	5.9	27	<0.1	0.3	0.3	60	0.22	0.039
103523	Soil		0.7	23.1	8.7	67	<0.1	26.4	11.8	363	3.14	4.5	1.3	2.5	7.2	27	<0.1	0.3	0.1	48	0.28	0.045
103524	Soil		0.7	27.5	9.8	68	0.1	37.9	12.4	468	3.14	7.1	1.7	<0.5	7.7	40	0.1	0.2	0.2	56	0.52	0.047
103525	Soil		0.7	22.4	8.3	63	<0.1	59.7	13.4	485	2.90	5.1	3.1	<0.5	6.9	38	0.1	0.2	0.2	51	0.73	0.050
103526	Soil		1.8	70.0	12.5	118	0.3	57.7	19.7	729	4.08	2.5	1.6	6.7	9.7	18	0.4	0.1	0.3	53	0.25	0.044
103527	Soil		1.5	35.6	8.3	73	<0.1	31.5	12.3	383	2.99	4.3	1.5	<0.5	5.2	20	0.1	0.2	0.2	51	0.25	0.047
103528	Soil		0.4	18.8	3.3	56	<0.1	14.4	10.7	362	2.52	3.8	1.0	<0.5	3.8	20	<0.1	0.2	<0.1	63	0.36	0.037
103529	Soil		0.5	33.8	4.3	78	<0.1	29.9	20.6	532	4.77	2.9	1.1	<0.5	11.5	17	0.1	0.1	0.2	96	0.27	0.078
103530	Soil		0.2	18.2	4.8	72	<0.1	22.8	16.8	456	3.81	2.5	0.7	<0.5	5.6	35	<0.1	0.1	<0.1	106	0.52	0.161
103531	Soil		0.5	20.6	3.9	32	<0.1	71.6	13.1	160	2.12	6.2	0.3	<0.5	2.2	15	<0.1	0.3	<0.1	47	0.18	0.038
103532	Soil		0.8	32.8	19.9	127	<0.1	32.0	16.6	538	4.36	6.8	1.2	0.6	10.6	18	<0.1	0.3	0.3	84	0.21	0.037
103533	Soil		0.8	19.2	8.8	55	<0.1	23.2	11.9	251	2.90	9.1	0.8	<0.5	6.0	23	<0.1	0.6	0.2	61	0.21	0.022
103534	Soil		0.6	42.6	57.1	147	<0.1	30.2	15.1	440	4.77	3.5	1.5	<0.5	19.7	12	<0.1	0.4	0.4	66	0.14	0.029
103535	Soil		0.5	9.5	2.3	14	<0.1	13.1	6.5	105	1.35	2.3	0.6	<0.5	5.5	66	<0.1	0.2	<0.1	20	0.37	0.021
103536	Soil		0.3	5.6	1.4	25	<0.1	46.8	16.5	834	2.89	9.1	0.4	0.6	10.7	41	<0.1	0.3	<0.1	16	0.81	0.037
103537	Soil		0.6	39.0	3.9	31	<0.1	41.2	20.6	191	5.01	1.9	1.6	<0.5	27.7	15	<0.1	<0.1	<0.1	68	0.21	0.048
103538	Soil		0.7	59.4	7.5	126	<0.1	47.6	18.6	667	5.61	2.5	2.2	<0.5	23.5	47	<0.1	0.3	<0.1	88	0.36	0.015
103539	Soil		0.7	24.6	9.7	94	<0.1	27.2	12.6	464	4.33	4.8	1.2	<0.5	14.0	44	<0.1	0.3	0.1	80	0.21	0.023
103540	Soil		0.6	21.3	7.5	87	<0.1	26.7	12.8	403	4.20	4.3	1.2	<0.5	12.9	29	<0.1	0.3	0.1	77	0.20	0.021
103541	Soil		0.7	32.9	8.6	59	<0.1	56.3	12.5	369	3.44	4.2	1.2	<0.5	14.6	32	<0.1	0.2	0.2	65	0.44	0.105
103542	Soil		1.3	23.9	8.0	82	<0.1	33.3	15.3	341	4.31	3.6	2.0	0.8	15.2	11	<0.1	0.2	0.2	53	0.16	0.034
103543	Soil		0.4	16.6	3.9	70	<0.1	9.3	16.7	578	4.00	2.5	0.3	<0.5	3.0	19	<0.1	0.1	<0.1	98	0.25	0.032
103544	Soil		0.7	16.2	6.4	44	<0.1	15.3	10.9	357	2.63	5.6	2.1	1.0	5.0	41	<0.1	0.3	0.1	62	0.35	0.027
103545	Soil		0.8	30.6	11.8	90	<0.1	44.0	20.8	681	5.77	4.0	1.5	0.6	15.4	14	<0.1	0.2	0.3	87	0.21	0.049
103546	Soil		1.2	66.7	2.8	89	<0.1	14.8	36.0	976	7.23	5.0	1.2	<0.5	10.4	14	<0.1	0.3	<0.1	167	0.29	0.052
103547	Soil		0.7	25.3	8.1	70	<0.1	29.5	13.4	242	3.75	4.4	1.5	1.4	13.9	12	<0.1	0.2	0.2	55	0.10	0.029
103548	Soil		0.9	21.8	8.6	59	<0.1	28.8	11.0	297	3.47	6.6	1.2	1.3	9.2	16	<0.1	0.4	0.2	59	0.19	0.028

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
103519	Soil	19	33	0.64	218	0.106	<1	2.28	0.010	0.22	0.2	0.04	4.1	0.2	<0.05	7	<0.5	<0.2
103520	Soil	15	36	0.63	167	0.126	1	2.39	0.011	0.21	0.2	0.03	3.7	0.2	<0.05	7	<0.5	<0.2
103521	Soil	27	32	0.66	190	0.160	<1	2.17	0.011	0.33	0.1	0.02	4.0	0.2	<0.05	7	0.5	<0.2
103522	Soil	18	32	0.62	165	0.152	1	2.22	0.010	0.27	0.2	0.03	3.2	0.2	<0.05	8	<0.5	<0.2
103523	Soil	22	32	0.70	165	0.175	<1	2.04	0.010	0.40	0.1	<0.01	3.5	0.3	<0.05	7	<0.5	<0.2
103524	Soil	20	57	0.85	228	0.170	18	2.25	0.016	0.35	0.2	0.02	4.7	0.2	<0.05	8	<0.5	<0.2
103525	Soil	25	112	1.02	241	0.154	<1	2.12	0.017	0.30	0.1	0.03	4.2	0.3	<0.05	7	<0.5	<0.2
103526	Soil	25	51	0.76	303	0.135	1	1.62	0.007	0.72	<0.1	0.01	5.3	0.4	<0.05	6	1.1	<0.2
103527	Soil	14	38	0.60	254	0.109	<1	1.54	0.009	0.25	<0.1	0.02	3.4	0.2	0.06	5	0.7	<0.2
103528	Soil	13	29	0.81	233	0.105	<1	1.59	0.020	0.26	<0.1	0.03	4.9	0.1	<0.05	5	<0.5	<0.2
103529	Soil	20	44	1.31	365	0.246	<1	3.19	0.017	1.04	<0.1	<0.01	8.3	0.4	<0.05	12	<0.5	<0.2
103530	Soil	19	50	1.69	278	0.242	<1	3.59	0.018	0.91	0.1	<0.01	4.2	0.3	<0.05	12	<0.5	<0.2
103531	Soil	6	205	1.02	97	0.085	<1	1.68	0.008	0.04	<0.1	<0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
103532	Soil	21	103	1.33	193	0.222	<1	3.07	0.014	0.72	0.2	0.02	8.3	0.4	<0.05	12	<0.5	<0.2
103533	Soil	15	33	0.56	210	0.068	1	2.09	0.011	0.07	0.1	0.03	3.7	0.1	<0.05	5	<0.5	<0.2
103534	Soil	32	63	1.10	170	0.251	<1	3.16	0.010	1.01	0.1	0.04	8.0	0.9	<0.05	13	<0.5	<0.2
103535	Soil	15	16	0.24	129	0.047	<1	1.15	0.011	0.07	<0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
103536	Soil	25	16	2.69	56	0.026	<1	1.69	0.003	<0.01	<0.1	0.03	4.1	<0.1	<0.05	5	<0.5	<0.2
103537	Soil	18	64	1.27	112	0.168	<1	3.00	0.008	0.83	<0.1	<0.01	7.1	0.5	<0.05	10	<0.5	<0.2
103538	Soil	95	75	0.99	278	0.174	<1	3.87	0.018	0.40	<0.1	0.03	11.6	0.9	<0.05	17	0.7	<0.2
103539	Soil	14	62	1.06	167	0.191	<1	2.57	0.009	0.76	0.2	0.04	7.3	0.5	<0.05	12	<0.5	<0.2
103540	Soil	17	58	1.01	151	0.190	<1	2.44	0.011	0.73	0.1	0.04	7.5	0.6	<0.05	11	<0.5	<0.2
103541	Soil	32	89	1.03	121	0.195	<1	2.20	0.012	0.58	0.2	<0.01	7.5	0.5	<0.05	9	<0.5	<0.2
103542	Soil	34	45	0.88	235	0.202	2	2.63	0.008	0.88	<0.1	<0.01	4.2	0.5	<0.05	9	<0.5	<0.2
103543	Soil	5	20	1.50	329	0.255	2	2.66	0.010	0.96	<0.1	<0.01	2.7	0.3	<0.05	7	<0.5	<0.2
103544	Soil	23	24	0.71	265	0.097	2	2.10	0.017	0.14	<0.1	0.02	4.0	0.1	<0.05	5	<0.5	<0.2
103545	Soil	17	109	1.59	306	0.273	3	3.50	0.010	1.30	<0.1	<0.01	9.4	0.5	<0.05	12	<0.5	<0.2
103546	Soil	11	22	1.96	421	0.218	1	3.36	0.013	1.17	<0.1	<0.01	14.2	0.2	<0.05	13	0.7	<0.2
103547	Soil	27	40	0.79	166	0.169	3	2.47	0.007	0.54	0.1	0.02	4.2	0.5	<0.05	8	<0.5	<0.2
103548	Soil	20	44	0.61	185	0.130	2	2.22	0.009	0.31	0.1	0.02	4.2	0.3	<0.05	7	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			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
103549	Soil		0.3	32.4	6.7	59	<0.1	37.5	14.3	139	3.79	0.7	1.5	0.5	23.3	13	<0.1	<0.1	0.2	42	0.35	0.082
103550	Soil		0.2	21.9	2.3	32	<0.1	5.9	12.7	237	2.83	1.5	0.5	<0.5	3.6	236	<0.1	<0.1	<0.1	83	0.93	0.072
103551	Soil		0.2	8.3	3.8	27	<0.1	7.7	10.8	231	1.77	2.2	0.2	<0.5	1.8	78	<0.1	0.1	<0.1	49	0.57	0.042
103552	Soil		0.4	42.5	4.1	52	<0.1	29.1	20.2	426	3.54	2.9	0.4	<0.5	2.9	194	0.1	<0.1	<0.1	92	0.63	0.197
103553	Soil		0.6	48.3	5.3	32	<0.1	61.8	18.0	784	3.35	4.4	3.2	1.8	13.5	68	<0.1	0.2	0.1	55	1.15	0.083
103554	Soil		0.8	22.9	8.5	52	<0.1	26.2	11.6	263	3.04	7.0	1.0	1.7	10.4	18	<0.1	0.3	0.1	59	0.23	0.030
103555	Soil		0.7	33.9	9.2	86	<0.1	40.2	15.7	469	4.42	4.4	1.9	<0.5	18.7	18	<0.1	0.2	0.2	83	0.26	0.035
103556	Soil		0.6	20.2	8.7	64	<0.1	23.5	13.6	393	3.60	5.0	0.8	1.1	8.1	14	<0.1	0.2	0.1	66	0.21	0.044
103557	Soil		0.4	14.3	2.9	85	<0.1	8.5	18.4	826	5.04	2.9	0.7	1.3	4.5	32	<0.1	0.1	<0.1	96	0.50	0.089
103558	Soil		0.4	21.1	6.8	61	<0.1	21.2	11.1	391	3.27	3.0	1.3	<0.5	10.4	17	<0.1	0.1	0.1	59	0.35	0.066
103559	Soil		3.4	78.9	10.1	126	0.1	44.6	10.6	413	3.42	4.3	1.9	2.5	5.5	25	0.2	0.3	0.2	86	0.23	0.037
103560	Soil		2.2	89.6	10.0	202	<0.1	73.9	14.7	630	3.49	2.7	1.8	2.6	5.6	17	0.4	0.2	0.2	95	0.18	0.038
103561	Soil		3.0	44.0	4.9	71	0.2	15.8	4.4	364	1.78	1.6	0.8	0.6	3.1	14	<0.1	<0.1	0.2	43	0.11	0.024
103562	Soil		1.2	34.6	6.8	75	0.3	29.7	7.2	314	2.30	3.4	0.7	1.9	3.1	23	<0.1	0.2	0.1	50	0.14	0.026
103563	Soil		1.1	35.8	5.3	67	0.1	23.8	7.4	513	1.86	3.3	0.7	0.8	2.4	20	0.1	0.2	0.1	49	0.14	0.036
103564	Soil		1.3	60.8	6.6	136	0.1	57.6	9.5	600	2.49	3.3	0.8	<0.5	2.6	16	0.2	0.1	0.2	66	0.06	0.034
103565	Soil		0.8	38.4	7.6	67	0.1	103.6	14.8	219	3.12	10.3	0.6	0.8	4.4	22	<0.1	0.1	0.2	96	0.13	0.027
103566	Soil		1.7	62.0	6.3	107	0.2	90.2	16.0	250	4.37	3.4	0.8	1.0	4.3	16	<0.1	0.2	0.2	96	0.08	0.034
103567	Soil		1.5	52.8	6.9	106	0.1	64.6	15.5	316	3.64	5.4	1.0	3.0	4.1	15	<0.1	0.3	0.2	80	0.13	0.037
103568	Soil		1.0	27.7	9.0	59	<0.1	24.4	9.7	311	2.51	7.5	1.2	3.6	4.4	18	0.1	0.5	0.2	55	0.18	0.045
103569	Soil		0.8	37.7	7.6	66	<0.1	38.3	12.5	358	2.64	7.0	0.7	2.6	3.7	13	0.2	0.4	0.2	56	0.15	0.036
103570	Soil		0.8	36.3	4.6	77	<0.1	26.5	8.6	579	2.25	1.8	0.6	1.8	2.0	8	<0.1	0.1	0.1	46	0.08	0.039
103571	Soil		1.3	64.5	8.0	132	<0.1	60.0	13.8	583	2.89	2.9	0.9	1.6	4.1	35	<0.1	0.2	0.2	69	0.10	0.042
103572	Soil		1.6	42.9	7.0	76	<0.1	33.8	11.0	458	2.48	5.4	0.7	2.2	3.0	18	<0.1	0.3	0.2	51	0.15	0.040
103573	Soil		2.5	42.4	8.7	78	0.9	30.6	8.7	278	2.33	3.5	1.6	3.7	2.8	24	0.3	0.2	0.2	60	0.20	0.042
103574	Soil		2.0	29.3	8.4	72	0.3	33.8	8.6	313	2.38	4.5	0.8	2.1	3.6	20	0.1	0.2	0.2	54	0.16	0.039
103575	Soil		5.1	48.9	8.5	87	0.7	28.1	6.9	229	2.62	6.6	2.1	2.7	2.9	30	0.2	0.5	0.2	75	0.24	0.080
103576	Soil		2.0	52.6	7.0	91	0.4	24.8	8.8	313	2.62	3.3	1.2	1.8	3.4	24	0.5	0.3	0.1	67	0.13	0.038
103577	Soil		3.4	50.0	11.9	85	0.7	31.9	9.3	258	3.18	8.2	2.4	4.7	3.5	37	0.6	0.4	0.3	86	0.18	0.064
103578	Soil		2.6	41.6	7.7	88	0.3	28.8	9.2	282	2.57	6.3	1.1	6.2	3.6	30	0.4	0.4	0.2	73	0.21	0.058

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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: **Taku Gold Corp**  
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 Val D'Or QC J9P 1S5 Canada

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	0.2
103549	Soil	53	45	1.04	197	0.120	<1	2.31	0.010	0.85	<0.1	<0.01	4.2	0.5	<0.05	9	<0.5	<0.2
103550	Soil	16	13	0.69	219	0.042	1	2.19	0.076	0.03	<0.1	0.01	6.3	<0.1	<0.05	6	<0.5	<0.2
103551	Soil	6	18	0.83	143	0.117	<1	2.57	0.070	0.03	<0.1	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
103552	Soil	9	68	1.50	520	0.225	1	3.15	0.058	0.63	<0.1	<0.01	4.0	0.2	<0.05	8	<0.5	<0.2
103553	Soil	45	56	0.88	275	0.045	<1	2.52	0.150	0.02	<0.1	0.02	9.9	0.1	<0.05	7	<0.5	<0.2
103554	Soil	41	38	0.69	216	0.124	<1	2.09	0.009	0.25	0.1	0.01	4.0	0.2	<0.05	7	<0.5	<0.2
103555	Soil	73	81	1.17	258	0.279	1	3.14	0.011	0.68	0.2	0.01	9.1	0.5	<0.05	12	<0.5	<0.2
103556	Soil	16	39	0.89	192	0.188	<1	2.51	0.009	0.66	<0.1	<0.01	4.8	0.3	<0.05	8	<0.5	<0.2
103557	Soil	13	12	1.40	226	0.294	<1	3.24	0.014	1.21	<0.1	<0.01	2.3	0.3	<0.05	9	<0.5	<0.2
103558	Soil	26	47	0.89	239	0.176	<1	2.01	0.009	0.61	<0.1	0.01	4.9	0.3	<0.05	8	<0.5	<0.2
103559	Soil	21	40	0.72	337	0.126	1	1.48	0.007	0.32	<0.1	<0.01	6.2	0.3	0.09	5	0.7	<0.2
103560	Soil	22	61	1.00	642	0.111	<1	1.74	0.007	0.34	<0.1	0.02	6.9	0.3	<0.05	7	1.0	<0.2
103561	Soil	13	26	0.92	235	0.067	1	1.24	0.005	0.20	<0.1	<0.01	1.9	0.2	0.07	4	0.9	<0.2
103562	Soil	11	28	0.76	541	0.086	1	1.51	0.010	0.20	<0.1	0.01	3.1	0.1	<0.05	5	<0.5	<0.2
103563	Soil	9	22	0.80	612	0.078	1	1.47	0.008	0.18	<0.1	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
103564	Soil	9	26	1.52	793	0.127	<1	2.43	0.011	0.43	<0.1	<0.01	4.2	0.2	<0.05	8	<0.5	<0.2
103565	Soil	10	116	1.52	334	0.149	1	2.94	0.010	0.51	<0.1	<0.01	6.1	0.3	<0.05	8	<0.5	<0.2
103566	Soil	13	93	1.26	476	0.186	1	3.02	0.012	0.81	<0.1	<0.01	5.8	0.5	0.10	9	<0.5	<0.2
103567	Soil	13	54	0.79	251	0.091	<1	2.30	0.007	0.33	<0.1	0.02	4.4	0.2	<0.05	7	<0.5	<0.2
103568	Soil	14	33	0.56	309	0.064	1	1.75	0.009	0.08	0.1	0.03	4.0	0.1	<0.05	5	<0.5	<0.2
103569	Soil	10	43	0.68	244	0.078	1	1.99	0.008	0.10	0.1	0.03	3.6	0.1	<0.05	5	<0.5	<0.2
103570	Soil	7	14	1.36	1208	0.101	2	2.33	0.019	0.56	<0.1	<0.01	4.4	0.2	<0.05	7	<0.5	<0.2
103571	Soil	15	35	1.39	1200	0.130	1	2.55	0.018	0.57	<0.1	<0.01	3.9	0.3	0.05	8	<0.5	<0.2
103572	Soil	10	26	0.96	403	0.083	<1	1.99	0.011	0.22	<0.1	<0.01	2.8	0.1	<0.05	5	<0.5	<0.2
103573	Soil	14	37	0.58	377	0.068	1	1.47	0.008	0.10	0.1	0.04	2.9	0.1	<0.05	5	0.5	<0.2
103574	Soil	12	34	0.61	291	0.072	<1	1.52	0.008	0.11	<0.1	0.02	2.7	0.1	<0.05	5	0.7	<0.2
103575	Soil	13	39	0.50	331	0.061	<1	1.39	0.010	0.11	0.2	0.16	3.1	0.1	<0.05	5	2.7	<0.2
103576	Soil	11	40	0.77	261	0.115	1	1.70	0.011	0.29	<0.1	<0.01	3.0	0.2	<0.05	6	0.5	<0.2
103577	Soil	18	41	0.60	289	0.091	2	2.21	0.011	0.17	0.1	0.05	3.5	0.2	0.12	8	1.3	<0.2
103578	Soil	13	42	0.66	233	0.112	2	1.56	0.014	0.18	0.2	0.01	3.0	0.1	0.11	5	1.3	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

WHI11000699.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	%	%	
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	
103579	Soil	2.6	25.0	9.7	101	0.2	31.2	8.6	274	2.35	5.5	0.8	2.5	2.5	18	1.0	0.3	0.2	66	0.11	0.052
103580	Soil	1.3	37.0	6.7	115	0.2	39.5	10.3	208	2.45	4.3	0.8	7.4	3.1	15	0.5	0.3	0.2	57	0.16	0.044
105508	Soil	0.9	38.7	6.6	97	<0.1	30.2	5.6	422	3.34	2.9	1.2	1.1	5.5	19	<0.1	0.1	0.2	49	0.16	0.022
105509	Soil	0.5	40.0	2.4	76	<0.1	13.2	10.4	747	4.08	1.6	0.9	0.9	5.6	13	<0.1	<0.1	<0.1	108	0.24	0.048
105510	Soil	0.6	43.9	2.0	75	<0.1	11.7	10.8	736	3.98	1.2	0.7	<0.5	5.2	9	<0.1	<0.1	<0.1	109	0.19	0.038
105511	Soil	0.8	37.6	8.2	81	<0.1	30.4	9.5	202	2.98	1.9	0.7	<0.5	3.9	65	<0.1	<0.1	0.1	83	0.14	0.017
105512	Soil	0.3	31.5	16.9	69	<0.1	31.9	14.0	278	3.30	2.9	0.9	<0.5	13.4	145	<0.1	<0.1	0.2	45	0.48	0.019
105513	Soil	0.9	35.6	6.0	85	<0.1	26.3	9.7	201	3.21	3.0	0.8	<0.5	4.4	40	<0.1	<0.1	0.2	64	0.24	0.029
105514	Soil	0.4	39.0	2.1	99	<0.1	14.1	15.3	195	3.66	1.7	0.5	<0.5	2.9	9	<0.1	<0.1	<0.1	139	0.13	0.043
105515	Soil	0.7	34.0	5.7	61	<0.1	21.9	9.6	200	2.86	5.0	0.8	1.0	3.5	27	<0.1	0.3	0.2	65	0.17	0.028
105516	Soil	0.7	33.7	6.9	69	<0.1	24.2	11.5	219	3.31	6.2	0.8	1.4	3.4	28	<0.1	0.3	0.1	79	0.15	0.024
105517	Soil	0.9	25.0	6.1	48	<0.1	18.1	8.1	204	2.74	4.9	0.7	1.2	3.3	25	<0.1	0.3	0.2	60	0.13	0.022
105518	Soil	0.5	13.8	4.7	102	<0.1	26.3	19.4	353	4.41	2.5	0.3	0.6	2.6	59	<0.1	0.1	<0.1	138	0.26	0.054
105519	Soil	1.3	36.6	7.7	82	0.2	31.0	10.0	311	4.35	1.9	0.6	<0.5	3.1	15	<0.1	0.1	0.2	79	0.07	0.043
105520	Soil	1.0	41.1	5.4	41	0.2	20.1	7.8	149	3.18	1.8	0.8	<0.5	2.5	32	<0.1	0.1	0.2	59	0.08	0.030
105521	Soil	0.7	33.3	6.2	39	<0.1	22.9	9.0	169	3.00	1.7	0.7	2.0	2.9	16	<0.1	0.1	0.2	55	0.08	0.031
105522	Soil	0.7	31.6	4.6	62	<0.1	14.6	10.4	243	2.79	4.2	1.4	1.8	4.1	14	<0.1	0.3	<0.1	87	0.17	0.034
105523	Soil	0.9	26.6	2.9	69	<0.1	11.2	7.6	246	2.66	2.2	0.5	0.8	2.1	15	<0.1	0.2	0.1	57	0.13	0.021
105524	Soil	0.8	26.3	4.4	36	<0.1	15.8	7.6	170	2.42	5.1	0.6	0.6	2.8	13	<0.1	0.3	0.1	46	0.07	0.034
105525	Soil	0.2	34.2	2.9	75	<0.1	12.5	10.2	289	3.53	1.5	0.5	0.7	2.4	19	<0.1	<0.1	0.1	118	0.31	0.076
105526	Soil	1.0	39.1	7.0	97	<0.1	33.6	7.9	194	2.22	1.7	1.0	1.3	5.3	9	0.1	0.2	0.2	59	0.07	0.019
105527	Soil	0.6	25.1	10.0	62	<0.1	27.0	11.0	338	3.16	6.4	1.2	2.1	9.7	35	<0.1	0.4	0.2	58	0.29	0.022
105528	Soil	0.3	35.6	12.1	98	<0.1	65.1	17.4	468	4.67	1.6	1.0	<0.5	14.3	27	<0.1	0.1	0.3	73	0.19	0.021
105529	Soil	1.1	27.2	3.9	79	<0.1	16.0	7.2	435	3.11	3.0	0.6	<0.5	3.3	9	<0.1	0.2	0.1	45	0.09	0.012
105530	Soil	0.7	32.1	4.8	67	<0.1	15.3	7.1	380	2.58	4.0	0.8	3.0	4.7	17	<0.1	0.3	0.1	41	0.20	0.027
105531	Soil	0.4	27.5	2.5	87	<0.1	12.2	6.3	497	3.58	1.3	0.4	<0.5	3.1	5	<0.1	<0.1	0.1	46	0.05	0.016
105532	Soil	0.7	39.6	5.2	102	<0.1	12.3	9.6	639	5.03	2.6	0.4	<0.5	2.1	7	<0.1	0.1	0.2	112	0.05	0.019
105533	Soil	0.6	29.1	2.5	71	<0.1	11.6	9.1	373	3.24	1.5	0.5	<0.5	3.7	8	<0.1	<0.1	<0.1	84	0.13	0.047
105534	Soil	0.6	27.2	5.1	67	<0.1	17.2	7.9	433	2.80	4.1	0.7	2.2	4.2	18	<0.1	0.3	0.1	57	0.19	0.021
105535	Soil	0.8	26.0	5.4	73	<0.1	26.5	7.7	363	2.99	2.1	0.5	<0.5	3.4	10	<0.1	0.1	0.1	71	0.08	0.014

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
103579	Soil	12	38	0.46	203	0.088	1	1.58	0.010	0.12	0.1	0.02	2.2	0.1	0.07	6	0.8	<0.2
103580	Soil	10	38	0.58	211	0.106	1	1.43	0.010	0.22	0.1	0.01	2.4	0.2	<0.05	5	0.6	<0.2
105508	Soil	16	19	0.74	385	0.245	<1	2.17	0.009	0.72	<0.1	<0.01	6.1	0.4	<0.05	6	<0.5	<0.2
105509	Soil	22	31	1.48	235	0.361	<1	2.66	0.009	1.41	0.2	<0.01	14.1	0.4	<0.05	10	<0.5	<0.2
105510	Soil	17	29	1.38	331	0.328	<1	2.10	0.006	1.29	0.3	<0.01	13.5	0.3	<0.05	8	<0.5	<0.2
105511	Soil	9	38	0.83	281	0.169	<1	2.57	0.013	0.72	<0.1	<0.01	4.7	0.3	<0.05	6	0.6	<0.2
105512	Soil	15	45	0.74	325	0.207	<1	3.61	0.035	0.64	0.1	0.01	4.2	0.4	<0.05	8	<0.5	<0.2
105513	Soil	9	23	0.82	344	0.189	<1	3.05	0.024	0.78	<0.1	<0.01	6.2	0.3	<0.05	7	0.6	<0.2
105514	Soil	5	22	1.33	404	0.271	<1	2.41	0.009	0.72	0.1	<0.01	10.7	0.2	<0.05	10	0.7	<0.2
105515	Soil	13	32	0.79	337	0.161	1	2.37	0.017	0.39	0.1	0.02	5.5	0.2	<0.05	6	<0.5	<0.2
105516	Soil	10	26	0.90	369	0.195	<1	2.95	0.017	0.40	0.1	0.02	7.7	0.2	<0.05	7	<0.5	<0.2
105517	Soil	8	25	0.70	246	0.133	1	2.14	0.013	0.36	0.1	0.01	4.3	0.2	<0.05	5	<0.5	<0.2
105518	Soil	5	49	1.50	459	0.267	<1	3.32	0.018	0.62	<0.1	<0.01	11.4	0.2	<0.05	11	<0.5	<0.2
105519	Soil	8	60	1.18	300	0.178	<1	2.65	0.011	0.66	<0.1	<0.01	6.2	0.3	<0.05	8	1.1	<0.2
105520	Soil	9	25	0.73	297	0.127	<1	1.97	0.021	0.63	<0.1	<0.01	4.4	0.3	0.22	5	0.8	<0.2
105521	Soil	10	23	0.71	259	0.133	<1	1.99	0.013	0.63	<0.1	<0.01	3.5	0.3	0.06	5	0.6	<0.2
105522	Soil	26	26	0.77	476	0.142	1	1.72	0.011	0.40	0.1	0.03	8.8	0.1	<0.05	6	<0.5	<0.2
105523	Soil	9	17	0.73	263	0.179	<1	1.67	0.011	0.64	<0.1	0.01	7.0	0.2	0.07	6	0.6	<0.2
105524	Soil	7	21	0.57	208	0.108	<1	1.77	0.010	0.34	<0.1	<0.01	3.2	0.2	0.06	4	0.6	<0.2
105525	Soil	7	14	1.11	1061	0.240	<1	2.20	0.011	0.62	<0.1	0.01	12.8	0.2	<0.05	8	<0.5	<0.2
105526	Soil	23	31	0.52	210	0.113	<1	1.24	0.005	0.33	<0.1	0.01	3.7	0.4	<0.05	4	<0.5	<0.2
105527	Soil	23	42	0.71	256	0.172	<1	2.34	0.024	0.32	0.2	0.03	6.4	0.3	<0.05	7	<0.5	<0.2
105528	Soil	42	96	1.39	262	0.346	<1	4.06	0.018	1.28	0.1	<0.01	8.6	1.0	<0.05	13	<0.5	<0.2
105529	Soil	8	17	0.75	160	0.206	<1	2.40	0.010	0.75	<0.1	<0.01	5.1	0.3	<0.05	7	<0.5	<0.2
105530	Soil	16	20	0.66	188	0.167	<1	1.65	0.011	0.33	0.1	0.02	5.8	0.2	<0.05	5	<0.5	<0.2
105531	Soil	9	14	0.86	191	0.267	<1	2.26	0.006	0.94	<0.1	<0.01	6.8	0.3	<0.05	8	<0.5	<0.2
105532	Soil	4	23	1.14	353	0.312	<1	3.36	0.008	1.47	0.1	<0.01	13.8	0.4	<0.05	12	<0.5	<0.2
105533	Soil	5	18	0.84	206	0.218	<1	1.90	0.008	0.84	<0.1	<0.01	10.3	0.2	<0.05	7	<0.5	<0.2
105534	Soil	11	25	0.69	244	0.192	<1	1.80	0.013	0.40	0.2	0.03	7.1	0.2	<0.05	6	<0.5	<0.2
105535	Soil	8	36	0.85	149	0.238	<1	2.43	0.006	0.69	<0.1	<0.01	5.5	0.3	<0.05	7	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	2	0.01	0.001	
105536	Soil		0.5	23.5	2.5	77	<0.1	13.2	7.2	418	3.08	1.5	0.5	0.8	2.4	6	<0.1	0.1	0.1	52	0.05	0.012
105537	Soil		2.2	32.0	3.2	71	<0.1	14.7	6.5	331	2.61	1.6	0.7	<0.5	3.8	37	<0.1	0.1	0.1	48	0.07	0.023
105538	Soil		0.8	23.5	2.9	75	<0.1	15.8	9.0	515	3.42	1.5	0.7	<0.5	4.8	38	<0.1	<0.1	<0.1	85	0.27	0.027
105539	Soil		0.8	32.1	14.0	81	<0.1	37.1	14.5	335	3.92	3.0	1.0	0.7	11.9	50	<0.1	0.1	0.2	45	0.38	0.041
105540	Soil		0.7	33.1	15.6	86	<0.1	36.6	15.5	377	4.53	3.0	1.0	0.9	12.4	47	<0.1	0.1	0.2	52	0.39	0.038
105541	Soil		0.7	33.7	11.5	63	<0.1	31.5	13.5	198	3.11	6.1	1.2	1.8	7.6	26	<0.1	0.3	0.3	44	0.26	0.023
105542	Soil		0.5	7.6	15.5	58	<0.1	25.4	14.0	366	1.65	1.6	0.3	<0.5	4.1	8	<0.1	<0.1	0.7	26	0.08	0.012
105543	Soil		1.1	63.6	14.2	82	<0.1	45.9	18.6	156	3.71	4.7	0.7	0.9	5.0	11	<0.1	0.2	0.4	48	0.06	0.020
105544	Soil		0.6	48.4	16.0	83	<0.1	35.3	17.7	294	3.45	2.2	1.4	<0.5	11.8	15	<0.1	0.1	0.3	36	0.13	0.022
105545	Soil		0.4	73.7	13.0	114	<0.1	57.4	28.0	317	4.94	2.4	1.0	1.7	4.4	8	<0.1	0.1	0.5	52	0.06	0.018
105546	Soil		0.9	72.6	8.1	61	<0.1	56.1	23.9	330	4.29	2.0	0.5	0.9	3.5	9	<0.1	<0.1	0.6	53	0.11	0.030
105547	Soil		0.7	57.2	12.0	88	<0.1	41.7	17.9	303	4.08	2.5	0.5	2.1	5.8	10	<0.1	0.2	0.4	38	0.06	0.013
105548	Soil		1.7	68.6	9.5	93	<0.1	44.8	22.7	437	3.92	3.1	0.7	<0.5	3.8	13	<0.1	0.2	0.3	55	0.08	0.013
105549	Soil		0.7	86.7	14.4	115	<0.1	50.1	25.5	656	4.47	1.3	1.2	3.3	11.5	16	<0.1	0.1	0.3	50	0.13	0.034
105550	Soil		0.9	33.9	11.1	72	<0.1	33.3	15.8	317	3.51	10.8	0.9	3.3	7.9	12	0.1	0.5	0.2	55	0.10	0.024
105551	Soil		0.7	49.9	9.3	92	<0.1	51.8	25.2	221	3.91	2.6	0.7	1.6	4.5	8	<0.1	0.2	0.5	45	0.09	0.021
105552	Soil		0.7	22.0	9.9	57	<0.1	25.0	11.9	174	2.81	5.5	0.7	3.3	4.7	12	<0.1	0.3	0.2	47	0.11	0.026
105553	Soil		1.5	34.2	13.6	100	<0.1	39.6	16.9	310	4.65	3.3	1.3	1.7	12.8	7	<0.1	0.3	0.2	39	0.05	0.036
105554	Soil		0.7	40.7	9.6	62	<0.1	42.4	18.5	224	3.32	5.5	0.7	<0.5	5.0	12	<0.1	0.3	0.5	54	0.09	0.038
105555	Soil		0.7	41.0	10.0	111	<0.1	49.9	23.9	180	4.77	2.7	0.5	<0.5	3.9	6	<0.1	0.1	0.6	51	0.06	0.031
105556	Soil		0.9	53.6	14.0	100	<0.1	45.5	19.8	404	4.70	1.7	1.3	0.9	12.7	10	<0.1	0.1	0.4	47	0.08	0.023
105557	Soil		0.7	43.6	12.0	80	<0.1	35.7	15.4	306	3.63	3.1	0.9	2.6	6.8	9	<0.1	0.2	0.3	45	0.08	0.022
105558	Soil		0.5	65.4	11.5	108	<0.1	46.9	19.5	151	4.54	1.4	1.0	2.3	5.8	16	<0.1	0.2	0.2	54	0.10	0.028
105559	Soil		0.7	30.0	12.2	67	<0.1	30.2	11.5	214	2.99	2.3	0.9	2.2	7.2	13	<0.1	0.1	0.2	36	0.12	0.016
105560	Soil		1.4	26.6	12.5	59	<0.1	26.1	10.0	324	3.23	9.1	0.8	0.8	6.2	15	<0.1	0.5	0.2	57	0.11	0.032
105561	Soil		0.8	49.8	9.0	104	<0.1	101.0	18.7	813	4.29	3.3	2.0	3.5	7.7	291	<0.1	0.3	0.2	43	2.13	0.870
105562	Soil		0.8	42.4	11.3	90	<0.1	45.3	19.0	297	4.11	3.4	0.5	<0.5	4.1	17	<0.1	0.2	0.4	52	0.17	0.042
105563	Soil		0.6	44.8	13.2	88	<0.1	40.1	15.4	508	4.88	3.8	1.2	1.4	14.0	34	0.1	0.2	0.2	82	0.40	0.040
105564	Soil		0.4	35.2	9.2	68	<0.1	30.9	14.3	322	3.66	2.9	1.4	1.7	22.9	22	<0.1	0.1	0.1	59	0.19	0.021
105565	Soil		0.8	21.7	9.7	57	<0.1	25.2	12.0	655	3.07	6.3	0.8	<0.5	9.2	28	<0.1	0.3	0.2	56	0.37	0.042

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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		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	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	0.2
105536	Soil	7	17	0.74	249	0.245	<1	2.08	0.007	0.86	<0.1	<0.01	7.3	0.3	<0.05	7	<0.5	<0.2
105537	Soil	11	18	0.98	268	0.250	<1	2.05	0.012	0.90	<0.1	<0.01	6.1	0.3	0.13	6	0.6	<0.2
105538	Soil	20	24	1.66	421	0.294	<1	2.95	0.018	1.01	0.3	<0.01	13.5	0.2	<0.05	10	<0.5	<0.2
105539	Soil	29	42	1.06	192	0.240	2	2.82	0.014	0.71	<0.1	<0.01	4.9	0.4	<0.05	9	0.6	<0.2
105540	Soil	28	45	1.16	214	0.270	<1	3.03	0.013	0.78	<0.1	<0.01	5.4	0.5	<0.05	10	<0.5	<0.2
105541	Soil	25	33	0.76	198	0.150	2	2.02	0.012	0.42	0.1	0.02	4.1	0.4	<0.05	7	<0.5	<0.2
105542	Soil	5	22	0.69	89	0.046	1	1.56	0.003	0.29	<0.1	<0.01	2.5	0.2	<0.05	5	<0.5	<0.2
105543	Soil	13	39	1.04	125	0.173	2	2.74	0.009	0.77	0.1	<0.01	3.1	0.5	<0.05	8	<0.5	<0.2
105544	Soil	38	34	0.94	172	0.158	<1	2.39	0.009	0.74	<0.1	<0.01	4.7	0.5	<0.05	7	0.5	<0.2
105545	Soil	12	48	1.31	188	0.262	<1	3.12	0.011	1.24	<0.1	0.02	6.0	0.8	<0.05	10	<0.5	<0.2
105546	Soil	11	42	1.33	209	0.236	<1	2.90	0.019	1.21	0.1	<0.01	5.4	0.7	<0.05	9	<0.5	<0.2
105547	Soil	13	36	1.05	172	0.246	1	2.79	0.008	1.08	<0.1	<0.01	3.4	0.7	<0.05	8	<0.5	<0.2
105548	Soil	14	42	1.17	163	0.203	<1	2.73	0.008	0.76	0.1	<0.01	4.7	0.6	<0.05	9	<0.5	<0.2
105549	Soil	28	47	1.14	210	0.158	<1	2.60	0.007	0.74	<0.1	<0.01	6.0	0.5	<0.05	10	<0.5	<0.2
105550	Soil	13	40	0.67	196	0.113	2	2.57	0.009	0.23	0.1	<0.01	3.8	0.2	<0.05	6	<0.5	<0.2
105551	Soil	13	35	1.17	183	0.209	<1	2.73	0.010	0.96	<0.1	<0.01	3.2	0.6	<0.05	8	<0.5	<0.2
105552	Soil	14	28	0.65	130	0.116	<1	1.84	0.010	0.38	0.1	<0.01	3.0	0.3	<0.05	6	<0.5	<0.2
105553	Soil	31	37	0.88	167	0.177	<1	2.63	0.009	0.83	<0.1	<0.01	2.9	0.6	<0.05	7	<0.5	<0.2
105554	Soil	13	41	0.87	186	0.143	<1	2.47	0.011	0.49	0.1	<0.01	3.3	0.4	<0.05	8	<0.5	<0.2
105555	Soil	9	42	1.29	113	0.246	<1	3.08	0.012	1.14	<0.1	<0.01	3.4	0.7	<0.05	9	<0.5	<0.2
105556	Soil	35	41	0.96	184	0.257	<1	2.55	0.007	1.12	<0.1	<0.01	4.8	0.9	<0.05	8	0.6	<0.2
105557	Soil	21	35	0.88	131	0.187	<1	2.23	0.008	0.79	0.1	<0.01	3.5	0.5	<0.05	7	<0.5	<0.2
105558	Soil	33	46	1.16	223	0.210	<1	2.98	0.011	1.05	<0.1	<0.01	3.9	0.7	<0.05	9	<0.5	<0.2
105559	Soil	21	36	0.77	130	0.166	<1	1.78	0.008	0.60	<0.1	<0.01	2.8	0.4	<0.05	6	<0.5	<0.2
105560	Soil	14	33	0.62	155	0.109	<1	2.38	0.009	0.25	0.1	<0.01	2.9	0.2	<0.05	6	<0.5	<0.2
105561	Soil	85	89	1.16	279	0.058	<1	2.20	0.008	0.40	0.1	0.02	5.4	0.4	<0.05	9	0.8	<0.2
105562	Soil	12	44	1.11	194	0.258	<1	2.60	0.010	0.99	0.1	<0.01	3.8	0.6	<0.05	8	<0.5	<0.2
105563	Soil	23	73	1.03	181	0.242	<1	3.14	0.014	0.57	0.3	<0.01	6.7	0.3	<0.05	14	<0.5	<0.2
105564	Soil	32	52	0.85	83	0.210	<1	2.34	0.009	0.74	0.2	0.01	7.4	0.6	<0.05	10	<0.5	<0.2
105565	Soil	17	41	0.57	193	0.140	<1	1.67	0.014	0.36	0.2	<0.01	4.3	0.2	<0.05	6	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	%	%	
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	
105566	Soil	0.7	30.3	9.3	62	<0.1	28.0	11.7	382	3.19	7.0	1.4	4.8	11.4	36	<0.1	0.4	0.2	58	0.43	0.056
105567	Soil	0.8	18.5	9.3	59	<0.1	22.9	10.4	328	2.83	5.5	1.0	1.5	8.0	28	<0.1	0.2	0.2	50	0.28	0.048
105568	Soil	0.4	38.8	12.6	101	<0.1	43.3	18.4	672	4.84	2.3	1.0	5.7	13.1	33	<0.1	0.2	0.3	53	0.31	0.068
105569	Soil	0.5	31.4	11.0	94	<0.1	32.8	15.5	560	4.61	2.4	0.8	<0.5	8.9	17	<0.1	<0.1	0.2	53	0.37	0.132
105570	Soil	0.5	28.8	11.7	72	<0.1	30.3	13.4	442	3.60	3.5	1.1	2.8	12.8	21	<0.1	0.2	0.2	46	0.21	0.028
108657	Soil	0.6	21.8	9.3	64	<0.1	26.3	10.0	413	2.97	6.4	1.0	2.4	6.7	23	<0.1	0.3	0.2	54	0.32	0.060
108658	Soil	0.7	21.2	9.8	67	<0.1	27.9	11.6	441	3.28	5.9	0.9	1.8	8.1	18	<0.1	0.3	0.2	56	0.27	0.051
108659	Soil	0.6	20.8	8.8	61	<0.1	24.8	10.8	357	3.06	6.4	0.9	4.4	7.5	18	<0.1	0.3	0.2	55	0.24	0.050
108660	Soil	0.9	14.1	10.5	49	<0.1	18.5	6.0	190	2.37	5.1	0.7	5.6	3.4	14	<0.1	0.3	0.3	52	0.17	0.027
108661	Soil	0.7	27.1	10.7	73	0.1	31.9	12.1	391	3.37	4.7	1.7	2.0	10.0	18	<0.1	0.3	0.3	54	0.29	0.040
108662	Soil	0.9	28.5	11.7	75	<0.1	29.6	11.8	272	3.19	3.9	1.6	2.6	10.2	18	<0.1	0.3	0.3	53	0.32	0.043
108663	Soil	0.9	27.5	11.5	74	<0.1	34.0	16.3	450	3.48	4.9	1.2	1.7	8.7	20	<0.1	0.3	0.3	50	0.31	0.052
108664	Soil	0.9	20.2	12.0	66	<0.1	23.2	10.3	305	2.94	4.2	1.3	1.8	7.9	20	<0.1	0.2	0.2	50	0.29	0.042
108665	Soil	0.8	17.2	10.6	49	0.1	20.5	8.3	222	2.83	6.5	0.8	1.9	7.7	17	0.1	0.3	0.2	55	0.20	0.025
108666	Soil	1.4	10.9	8.7	36	0.2	11.6	4.4	150	2.19	5.1	0.5	2.4	2.6	14	<0.1	0.3	0.2	46	0.13	0.021
108667	Soil	1.0	15.2	7.4	66	0.2	13.6	7.1	275	2.95	5.6	1.0	3.9	3.8	16	<0.1	0.3	0.2	45	0.23	0.030
108668	Soil	1.1	15.7	5.5	45	0.1	8.5	9.2	304	2.92	3.9	0.8	1.5	2.9	21	<0.1	0.2	0.1	74	0.25	0.031
108669	Soil	0.7	36.8	2.1	62	<0.1	14.8	17.0	571	4.00	<0.5	0.7	<0.5	4.5	39	<0.1	<0.1	<0.1	91	0.45	0.081
108670	Soil	0.8	16.5	8.0	38	<0.1	19.4	9.0	180	2.74	4.4	0.7	1.0	3.9	17	<0.1	0.2	0.1	75	0.19	0.024
108671	Soil	0.5	31.9	4.3	35	<0.1	17.2	10.8	198	2.38	3.8	1.0	0.6	6.6	64	<0.1	0.3	<0.1	54	0.37	0.060
108672	Soil	0.1	56.1	2.1	22	<0.1	14.9	10.3	199	1.96	0.6	0.7	<0.5	3.6	99	<0.1	<0.1	<0.1	44	0.83	0.112
108673	Soil	0.3	59.5	3.6	22	<0.1	182.9	22.4	127	1.84	3.6	0.4	2.0	2.9	8	<0.1	0.2	<0.1	53	0.11	0.020
108674	Soil	0.2	64.2	1.5	9	<0.1	215.8	23.2	213	1.17	0.5	0.6	<0.5	2.2	11	<0.1	0.1	<0.1	29	0.21	0.030
108675	Soil	2.2	81.6	4.5	83	<0.1	68.1	17.2	373	3.68	1.3	0.9	0.8	5.2	32	<0.1	0.2	<0.1	187	0.43	0.088
108676	Soil	0.6	23.5	8.0	66	<0.1	30.7	13.7	536	3.91	3.5	1.0	0.8	9.7	43	<0.1	0.3	0.1	68	0.44	0.046
108677	Soil	0.4	25.5	2.4	78	<0.1	11.6	21.0	749	4.93	1.4	0.6	0.6	3.3	22	<0.1	0.1	<0.1	126	0.32	0.041
108678	Soil	0.7	28.5	4.9	91	<0.1	18.6	22.3	758	5.72	3.3	0.6	1.5	5.3	39	<0.1	0.2	<0.1	131	0.42	0.087
108679	Soil	0.7	18.7	6.0	78	<0.1	30.2	17.0	593	4.45	3.4	0.5	0.6	5.7	23	<0.1	0.2	<0.1	80	0.26	0.024
108680	Soil	0.2	29.1	9.9	71	<0.1	30.6	12.2	538	3.78	<0.5	2.0	0.8	25.2	21	<0.1	<0.1	0.1	38	0.41	0.092
108681	Soil	0.4	23.5	3.7	90	<0.1	9.4	16.1	594	4.48	1.9	0.2	<0.5	1.7	19	<0.1	<0.1	<0.1	136	0.45	0.053

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

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Client: **Taku Gold Corp**  
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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
105566	Soil	35	44	0.71	223	0.158	<1	1.98	0.020	0.27	0.2	0.07	5.6	0.3	<0.05	7	<0.5	<0.2
105567	Soil	26	31	0.63	184	0.151	<1	1.75	0.011	0.35	0.2	<0.01	3.3	0.3	<0.05	6	<0.5	<0.2
105568	Soil	48	71	1.22	337	0.311	<1	2.89	0.012	1.41	<0.1	0.01	5.2	0.8	<0.05	10	<0.5	<0.2
105569	Soil	22	46	1.18	244	0.294	<1	2.98	0.010	1.46	0.2	<0.01	5.2	0.8	<0.05	10	0.5	<0.2
105570	Soil	39	40	0.82	186	0.243	<1	2.09	0.010	0.88	0.1	0.02	4.3	0.5	<0.05	7	<0.5	<0.2
108657	Soil	21	40	0.69	227	0.132	<1	1.95	0.012	0.23	0.2	0.02	3.8	0.2	<0.05	6	0.6	<0.2
108658	Soil	20	42	0.70	212	0.169	<1	2.05	0.010	0.34	0.1	0.01	4.2	0.3	<0.05	6	<0.5	<0.2
108659	Soil	24	38	0.65	226	0.146	<1	1.94	0.010	0.22	0.2	0.02	4.2	0.2	<0.05	6	0.5	<0.2
108660	Soil	13	31	0.44	106	0.112	2	1.49	0.007	0.20	0.1	0.01	2.1	0.2	0.05	7	<0.5	<0.2
108661	Soil	42	38	0.75	209	0.168	2	1.99	0.009	0.41	0.2	0.01	3.8	0.3	<0.05	7	<0.5	<0.2
108662	Soil	40	40	0.79	235	0.184	<1	2.07	0.010	0.47	0.2	0.02	3.9	0.4	<0.05	7	<0.5	<0.2
108663	Soil	21	46	0.73	256	0.165	2	2.03	0.010	0.43	0.1	0.01	3.7	0.4	0.06	7	<0.5	<0.2
108664	Soil	21	36	0.60	204	0.118	<1	1.82	0.009	0.28	0.1	0.02	3.2	0.3	<0.05	7	<0.5	<0.2
108665	Soil	17	32	0.55	146	0.109	<1	1.87	0.008	0.19	0.1	<0.01	2.9	0.2	<0.05	7	<0.5	<0.2
108666	Soil	12	26	0.41	112	0.086	<1	1.21	0.008	0.09	<0.1	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
108667	Soil	17	24	0.92	201	0.116	1	2.05	0.010	0.31	0.1	0.02	4.3	0.2	<0.05	7	0.6	<0.2
108668	Soil	16	22	0.79	218	0.114	<1	1.75	0.013	0.16	<0.1	<0.01	3.7	<0.1	<0.05	7	<0.5	<0.2
108669	Soil	12	52	1.26	312	0.180	<1	2.18	0.016	0.76	<0.1	<0.01	5.6	0.2	<0.05	8	<0.5	<0.2
108670	Soil	16	42	0.74	204	0.120	<1	2.00	0.012	0.23	0.1	<0.01	4.3	0.1	<0.05	9	<0.5	<0.2
108671	Soil	12	31	0.69	163	0.070	<1	1.88	0.019	0.05	<0.1	<0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
108672	Soil	11	24	0.57	218	0.042	<1	2.06	0.052	0.17	<0.1	<0.01	3.8	<0.1	<0.05	4	<0.5	<0.2
108673	Soil	8	416	1.29	63	0.054	1	1.45	0.004	0.02	<0.1	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
108674	Soil	6	345	1.35	49	0.031	<1	0.74	0.007	<0.01	<0.1	<0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
108675	Soil	17	134	1.57	943	0.142	<1	2.66	0.021	0.45	<0.1	<0.01	6.9	0.2	<0.05	10	0.8	0.2
108676	Soil	22	68	0.99	211	0.194	<1	2.52	0.013	0.52	0.1	0.02	6.3	0.3	<0.05	10	<0.5	<0.2
108677	Soil	10	15	2.01	461	0.347	<1	3.39	0.015	1.26	<0.1	<0.01	2.9	0.3	<0.05	9	<0.5	<0.2
108678	Soil	13	38	1.94	437	0.361	<1	4.43	0.028	1.12	0.1	<0.01	5.9	0.5	<0.05	13	0.5	<0.2
108679	Soil	7	78	1.76	279	0.261	<1	3.60	0.019	1.16	<0.1	<0.01	3.4	0.5	<0.05	10	<0.5	<0.2
108680	Soil	67	43	1.08	236	0.196	<1	2.37	0.009	1.12	<0.1	<0.01	4.7	0.6	<0.05	8	<0.5	<0.2
108681	Soil	5	15	1.80	255	0.319	<1	3.44	0.023	0.54	0.2	<0.01	3.9	0.2	<0.05	9	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

WHI11000699.1

Method Analyte	1DX15																				
	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	
108682	Soil	0.4	28.9	3.8	129	<0.1	18.3	15.6	1690	5.74	2.8	0.9	1.4	13.0	31	<0.1	0.2	<0.1	92	0.34	0.049
108683	Soil	0.4	23.3	4.5	72	<0.1	12.7	18.7	791	4.59	2.0	0.5	0.7	6.2	45	<0.1	0.1	<0.1	111	0.76	0.062
108684	Soil	0.5	39.3	8.7	85	<0.1	15.2	16.2	901	4.74	3.0	1.7	1.7	4.8	28	<0.1	0.3	<0.1	114	0.59	0.079
108685	Soil	0.9	15.0	8.4	90	<0.1	13.3	18.2	841	5.13	5.3	0.6	0.5	7.3	20	<0.1	0.5	<0.1	92	0.25	0.039
108686	Soil	0.7	19.6	8.2	45	<0.1	16.7	8.3	281	2.44	7.0	1.0	2.4	4.0	23	<0.1	0.4	0.1	54	0.27	0.043
108687	Soil	0.2	4.3	4.1	75	<0.1	6.0	16.6	1055	4.42	<0.5	1.5	0.6	16.0	17	<0.1	0.1	<0.1	91	1.18	0.093
108688	Soil	1.1	22.7	3.6	73	<0.1	15.0	16.5	611	3.98	3.3	0.6	<0.5	5.2	12	<0.1	0.2	<0.1	88	0.29	0.068
108689	Soil	1.2	40.3	10.4	67	<0.1	32.9	15.2	669	4.42	1.1	3.5	1.2	25.0	12	<0.1	0.1	0.3	37	0.17	0.040
108690	Soil	0.8	24.9	5.5	62	<0.1	28.8	13.5	522	4.06	<0.5	3.1	<0.5	25.0	9	<0.1	<0.1	0.2	28	0.16	0.052
108691	Soil	0.3	32.4	7.0	102	<0.1	37.3	15.8	423	5.49	1.9	1.4	0.7	21.8	16	<0.1	0.2	0.2	56	0.35	0.099
108692	Soil	0.2	36.3	5.7	65	<0.1	29.7	12.6	385	3.49	<0.5	2.5	0.6	33.0	15	<0.1	<0.1	0.2	34	0.37	0.136
108693	Soil	0.6	11.9	4.4	43	<0.1	13.0	8.0	297	2.06	1.6	0.8	<0.5	4.4	31	<0.1	0.1	<0.1	40	0.46	0.057
108694	Soil	2.1	44.2	12.5	104	0.1	22.6	8.0	328	3.15	6.3	0.8	1.3	2.9	19	0.2	0.4	0.2	85	0.09	0.054
108695	Soil	1.0	35.2	7.6	69	<0.1	39.5	12.1	649	2.79	4.1	1.2	1.8	8.5	20	<0.1	0.3	0.2	74	0.24	0.030
108696	Soil	1.5	38.5	9.1	78	0.2	37.8	11.5	512	2.87	5.2	0.7	2.3	4.7	20	0.2	0.4	0.2	69	0.30	0.041
108697	Soil	1.6	41.4	8.7	84	0.3	33.9	9.8	658	2.75	6.0	1.0	2.8	4.7	31	0.3	0.5	0.2	62	0.39	0.047
108698	Soil	1.5	31.7	8.2	66	<0.1	26.4	8.5	305	2.71	5.6	0.7	0.9	4.0	17	0.1	0.3	0.2	57	0.17	0.032
108699	Soil	1.6	37.7	10.1	64	0.2	29.1	9.1	376	2.69	8.1	1.5	2.0	4.6	26	0.2	0.5	0.2	59	0.32	0.042
108700	Soil	1.8	45.8	9.1	103	0.1	36.3	10.6	528	3.29	4.2	1.1	0.7	5.9	24	0.2	0.3	0.2	66	0.31	0.048
108701	Soil	0.9	38.1	4.6	74	<0.1	26.8	14.0	568	3.97	2.2	1.3	<0.5	10.7	21	<0.1	0.2	<0.1	89	0.48	0.061
108702	Soil	0.2	24.5	2.2	37	<0.1	15.2	8.9	257	2.15	0.9	0.7	<0.5	5.4	65	<0.1	<0.1	<0.1	50	0.75	0.122
108703	Soil	0.8	38.4	5.0	59	<0.1	111.7	15.7	534	2.57	1.7	0.6	<0.5	3.4	32	<0.1	0.1	<0.1	72	0.60	0.087
108704	Soil	1.2	40.3	8.1	62	0.1	31.8	9.8	315	2.76	6.1	1.0	1.5	5.0	36	0.1	0.5	0.1	68	0.51	0.050
108705	Soil	1.1	29.6	7.5	57	<0.1	28.1	10.8	381	2.98	4.4	1.4	1.9	6.8	34	<0.1	0.3	0.1	64	0.47	0.051
108706	Soil	0.8	30.6	5.6	70	<0.1	16.8	15.7	520	4.05	3.7	0.9	1.2	4.3	42	0.1	0.2	<0.1	102	0.79	0.073
108707	Soil	0.4	12.0	5.0	91	<0.1	10.3	19.0	954	5.00	3.7	0.9	<0.5	7.3	17	<0.1	0.2	<0.1	100	0.29	0.078
108708	Soil	0.2	16.0	2.6	93	<0.1	9.6	24.0	1261	5.84	1.0	0.6	<0.5	7.0	28	<0.1	<0.1	<0.1	129	0.46	0.064
108709	Soil	0.3	25.4	3.5	55	<0.1	8.5	15.3	756	3.72	2.4	0.8	<0.5	5.9	16	<0.1	0.2	<0.1	104	0.35	0.071
108710	Soil	0.5	14.7	4.3	75	<0.1	6.9	9.8	880	4.10	1.5	1.4	<0.5	12.0	15	<0.1	<0.1	<0.1	63	0.25	0.055
108711	Soil	0.9	40.1	8.3	75	<0.1	31.4	19.4	228	4.77	1.2	4.2	<0.5	32.5	35	<0.1	<0.1	0.3	51	0.27	0.110

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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: **Taku Gold Corp**  
680 3rd Ave, Suite 203  
Val D'Or QC J9P 1S5 Canada

Project: DAN  
Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

WHI11000699.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
108682	Soil	40	27	2.55	643	0.234	<1	3.86	0.016	1.35	<0.1	0.08	9.5	0.5	<0.05	15	<0.5	<0.2
108683	Soil	14	15	1.70	553	0.307	<1	3.77	0.021	0.58	<0.1	<0.01	2.5	0.2	<0.05	9	<0.5	<0.2
108684	Soil	17	22	1.47	250	0.035	<1	2.80	0.019	0.11	<0.1	0.03	7.8	<0.1	<0.05	9	<0.5	<0.2
108685	Soil	8	24	1.51	178	0.114	<1	3.18	0.006	0.22	<0.1	<0.01	2.7	0.1	<0.05	9	<0.5	<0.2
108686	Soil	17	26	0.47	317	0.061	<1	1.60	0.010	0.06	0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
108687	Soil	27	10	1.32	117	0.118	<1	2.31	0.007	0.68	<0.1	0.02	11.3	0.3	<0.05	10	<0.5	<0.2
108688	Soil	10	20	1.24	195	0.208	<1	2.74	0.014	0.91	<0.1	<0.01	3.0	0.4	<0.05	8	<0.5	<0.2
108689	Soil	71	38	0.53	185	0.058	<1	1.34	0.007	0.43	<0.1	0.01	7.8	0.3	<0.05	7	<0.5	<0.2
108690	Soil	71	29	0.60	149	0.088	<1	1.41	0.008	0.64	<0.1	<0.01	5.7	0.3	<0.05	7	<0.5	<0.2
108691	Soil	35	53	1.24	331	0.278	2	3.06	0.010	1.35	<0.1	<0.01	5.5	0.6	<0.05	11	<0.5	<0.2
108692	Soil	56	32	0.86	202	0.185	<1	2.03	0.007	0.99	<0.1	<0.01	3.5	0.5	<0.05	8	<0.5	<0.2
108693	Soil	17	26	0.56	158	0.094	<1	1.27	0.015	0.26	0.1	<0.01	2.8	0.1	<0.05	5	<0.5	<0.2
108694	Soil	9	37	0.61	177	0.113	1	2.01	0.012	0.35	0.1	<0.01	2.3	0.3	0.15	6	<0.5	<0.2
108695	Soil	37	46	0.80	157	0.147	2	1.85	0.012	0.29	0.2	0.02	5.8	0.3	<0.05	7	0.6	<0.2
108696	Soil	12	44	0.64	206	0.128	2	1.48	0.013	0.28	0.2	0.02	4.0	0.2	<0.05	5	0.6	<0.2
108697	Soil	14	34	0.56	344	0.103	2	1.30	0.015	0.23	0.2	0.02	4.0	0.1	0.06	5	1.2	<0.2
108698	Soil	10	30	0.53	261	0.092	<1	1.44	0.008	0.17	0.1	0.01	2.6	0.1	<0.05	4	<0.5	<0.2
108699	Soil	13	32	0.51	311	0.074	<1	1.45	0.013	0.10	0.2	0.02	3.9	<0.1	<0.05	5	0.6	<0.2
108700	Soil	16	43	1.09	360	0.145	<1	2.24	0.010	0.39	0.1	<0.01	5.7	0.4	<0.05	7	0.7	<0.2
108701	Soil	25	51	1.23	394	0.296	<1	2.65	0.020	1.05	0.2	0.01	9.2	0.3	<0.05	10	0.7	<0.2
108702	Soil	23	24	0.71	260	0.099	<1	1.91	0.029	0.33	<0.1	<0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
108703	Soil	11	134	1.32	574	0.138	<1	2.31	0.013	0.46	<0.1	<0.01	4.6	0.2	<0.05	8	<0.5	<0.2
108704	Soil	16	40	0.69	359	0.113	<1	1.76	0.023	0.19	0.1	0.03	4.6	0.1	<0.05	6	0.6	<0.2
108705	Soil	17	48	0.74	273	0.123	<1	1.96	0.019	0.32	<0.1	0.03	4.7	0.1	<0.05	7	<0.5	<0.2
108706	Soil	11	23	1.04	278	0.170	<1	2.53	0.024	0.34	<0.1	0.01	4.9	0.1	<0.05	7	0.5	<0.2
108707	Soil	14	12	1.28	211	0.302	<1	3.06	0.011	1.30	0.1	<0.01	2.9	0.5	<0.05	10	<0.5	<0.2
108708	Soil	16	12	1.89	405	0.295	<1	3.42	0.022	1.78	<0.1	<0.01	3.7	0.4	<0.05	11	<0.5	<0.2
108709	Soil	21	14	1.26	237	0.264	<1	2.11	0.017	0.98	<0.1	<0.01	4.5	0.3	<0.05	8	<0.5	<0.2
108710	Soil	23	10	1.04	228	0.278	<1	2.43	0.010	1.29	0.2	<0.01	7.6	0.4	<0.05	11	<0.5	<0.2
108711	Soil	84	49	1.01	240	0.174	<1	2.39	0.015	1.09	<0.1	<0.01	5.2	0.6	<0.05	9	0.8	<0.2

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

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Client: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
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Project: DAN  
 Report Date: August 07, 2011

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CERTIFICATE OF ANALYSIS

WHI11000699.1

Method	Analyte	Unit	MDL	1DX15 Mo ppm	1DX15 Cu ppm	1DX15 Pb ppm	1DX15 Zn ppm	1DX15 Ag ppm	1DX15 Ni ppm	1DX15 Co ppm	1DX15 Mn ppm	1DX15 Fe %	1DX15 As ppm	1DX15 U ppm	1DX15 Au ppb	1DX15 Th ppm	1DX15 Sr ppm	1DX15 Cd ppm	1DX15 Sb ppm	1DX15 Bi ppm	1DX15 V ppm	1DX15 Ca %	1DX15 P %
108712	Soil			0.7	32.7	10.4	105	<0.1	37.6	15.6	402	3.97	3.7	2.2	0.7	14.9	27	<0.1	0.3	0.2	55	0.44	0.118
108713	Soil			0.9	43.8	33.6	69	<0.1	30.5	13.8	345	3.96	1.9	1.8	1.0	10.1	124	<0.1	<0.1	0.8	84	0.62	0.073
108714	Soil			0.8	20.8	7.3	91	<0.1	30.9	16.9	570	3.81	3.9	1.6	0.5	13.8	22	<0.1	0.2	0.1	61	0.32	0.062
108715	Soil			0.5	26.2	6.9	81	<0.1	29.5	14.4	406	4.02	2.7	2.0	0.7	20.3	26	<0.1	0.1	0.2	61	0.46	0.070
108716	Soil			1.1	23.2	4.4	69	<0.1	17.6	12.4	599	3.55	1.8	1.7	<0.5	10.0	18	0.1	0.2	<0.1	71	0.61	0.097
108717	Soil			0.8	21.1	6.4	54	0.1	19.6	10.9	439	2.69	4.5	2.6	0.9	9.4	25	<0.1	0.2	0.1	50	0.47	0.067
108718	Soil			0.5	17.9	6.3	51	<0.1	16.6	9.7	349	2.32	5.2	1.5	1.1	7.2	26	<0.1	0.2	0.1	42	0.51	0.068
108719	Soil			0.9	20.9	6.3	46	<0.1	18.3	10.9	301	2.89	6.0	1.8	1.3	7.3	29	0.1	0.3	0.1	51	0.59	0.070
109482	Soil			1.0	21.0	11.3	63	<0.1	24.1	10.4	334	3.09	8.9	1.2	0.7	7.3	24	<0.1	0.4	0.2	58	0.26	0.041
109483	Soil			0.8	20.1	11.3	63	<0.1	25.0	11.7	369	3.16	9.6	0.9	1.4	7.6	25	0.1	0.5	0.2	53	0.25	0.040
109484	Soil			1.2	18.2	11.6	57	0.1	21.4	8.7	252	2.89	7.9	1.0	<0.5	4.9	23	<0.1	0.3	0.2	54	0.22	0.036
109485	Soil			1.2	19.1	13.0	57	0.1	20.8	10.9	346	2.87	8.9	1.2	1.4	6.7	27	0.1	0.3	0.2	57	0.27	0.035
109486	Soil			0.7	23.4	9.6	65	<0.1	28.2	11.6	314	2.84	8.1	1.3	1.2	7.9	25	0.1	0.2	0.2	46	0.35	0.038
109487	Soil			1.3	35.6	9.0	80	0.1	50.6	16.1	594	3.55	7.0	3.4	0.9	7.8	26	0.2	0.2	0.2	59	0.56	0.054
109488	Soil			1.6	35.5	13.1	73	<0.1	37.3	14.2	680	3.32	7.8	1.6	4.3	6.2	21	0.1	0.2	0.2	60	0.36	0.035
109489	Soil			1.4	21.4	11.3	61	<0.1	27.0	10.6	255	2.91	7.4	1.2	2.2	5.9	22	<0.1	0.2	0.2	58	0.36	0.032
109490	Soil			0.8	22.0	9.6	45	<0.1	16.4	9.4	217	2.66	8.9	1.0	0.6	6.7	14	<0.1	0.3	0.2	60	0.17	0.026
109491	Soil			0.2	11.9	4.3	62	<0.1	16.7	16.7	530	3.71	3.8	0.8	<0.5	4.9	41	<0.1	0.1	<0.1	86	0.90	0.117
109492	Soil			1.0	96.5	4.1	90	<0.1	89.5	22.4	617	4.53	1.7	0.8	0.9	3.8	44	<0.1	<0.1	<0.1	136	0.55	0.159
109493	Soil			1.4	15.9	10.0	50	<0.1	20.0	11.1	203	3.12	10.9	0.5	1.0	3.6	28	<0.1	0.5	0.2	77	0.23	0.045
109494	Soil			0.8	52.6	21.8	84	0.1	56.6	21.9	1023	4.64	6.5	2.8	3.2	16.5	208	<0.1	0.4	0.2	70	2.32	0.141
109495	Soil			0.3	33.0	5.6	81	<0.1	33.9	14.4	336	3.41	3.7	1.2	<0.5	14.7	66	<0.1	0.2	<0.1	52	0.53	0.041
109496	Soil			0.9	56.9	10.8	88	<0.1	34.5	19.9	592	5.21	5.3	1.1	1.1	11.2	33	<0.1	0.4	0.1	129	0.26	0.021
109497	Soil			0.9	22.7	8.4	38	<0.1	29.0	11.6	273	2.98	9.0	1.4	2.7	9.8	115	<0.1	0.5	0.1	61	0.52	0.033
109498	Soil			0.7	9.3	3.7	16	<0.1	21.8	7.1	191	1.59	6.0	0.4	0.5	3.4	33	<0.1	0.3	<0.1	22	0.38	0.015
109499	Soil			1.4	10.8	11.1	51	0.1	14.4	8.8	416	2.99	8.3	0.4	1.2	3.3	17	<0.1	0.6	0.2	77	0.18	0.026
109500	Soil			0.7	23.5	8.3	77	<0.1	34.3	15.2	363	4.29	6.3	1.2	2.4	12.9	12	<0.1	0.3	0.1	52	0.08	0.019
109501	Soil			0.9	21.2	9.9	68	<0.1	29.6	12.6	308	3.62	9.3	0.8	2.2	10.4	19	<0.1	0.6	0.2	70	0.16	0.028
109502	Soil			1.0	44.5	23.3	70	<0.1	82.8	21.4	413	4.27	7.7	1.3	<0.5	14.5	68	<0.1	0.3	0.4	96	0.43	0.058
109503	Soil			0.5	24.1	4.4	56	<0.1	12.1	14.6	421	3.18	5.0	0.3	<0.5	2.1	45	<0.1	0.2	<0.1	99	0.49	0.068

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
108712	Soil	36	49	0.91	240	0.173	<1	2.40	0.009	0.83	<0.1	0.01	5.6	0.4	<0.05	9	<0.5	<0.2
108713	Soil	25	18	0.85	522	0.122	<1	3.87	0.082	0.77	<0.1	<0.01	6.4	0.3	<0.05	10	<0.5	<0.2
108714	Soil	33	53	1.07	211	0.208	<1	2.36	0.008	0.87	<0.1	<0.01	6.2	0.3	<0.05	9	<0.5	<0.2
108715	Soil	22	53	0.94	152	0.243	<1	2.59	0.014	0.96	0.2	<0.01	7.3	0.5	<0.05	11	<0.5	<0.2
108716	Soil	24	50	1.07	189	0.158	<1	2.05	0.014	0.55	<0.1	<0.01	6.9	0.2	<0.05	9	<0.5	<0.2
108717	Soil	35	34	0.62	185	0.118	<1	1.50	0.014	0.32	0.1	0.02	4.9	0.1	<0.05	6	<0.5	<0.2
108718	Soil	28	28	0.53	165	0.095	<1	1.32	0.016	0.22	0.1	0.02	3.6	0.1	<0.05	5	0.5	<0.2
108719	Soil	33	30	0.56	203	0.098	<1	1.52	0.016	0.22	0.1	0.04	4.1	0.1	<0.05	5	<0.5	<0.2
109482	Soil	22	32	0.61	149	0.118	<1	2.14	0.008	0.22	0.1	0.02	3.7	0.2	<0.05	7	0.7	<0.2
109483	Soil	15	31	0.64	145	0.128	<1	2.17	0.010	0.24	0.2	0.01	3.3	0.2	<0.05	7	<0.5	<0.2
109484	Soil	19	30	0.53	173	0.118	<1	1.96	0.009	0.16	0.1	0.03	2.9	0.2	<0.05	7	0.5	<0.2
109485	Soil	23	28	0.54	159	0.125	<1	2.14	0.010	0.21	0.1	0.02	3.1	0.2	<0.05	8	0.6	<0.2
109486	Soil	23	35	0.67	201	0.169	<1	1.86	0.011	0.29	0.2	<0.01	3.7	0.3	<0.05	7	0.5	<0.2
109487	Soil	26	67	0.89	280	0.194	6	2.02	0.012	0.60	0.1	0.01	4.8	0.3	<0.05	8	0.9	<0.2
109488	Soil	16	63	0.79	247	0.143	10	1.95	0.009	0.34	0.1	0.02	4.2	0.3	<0.05	7	0.7	<0.2
109489	Soil	15	36	0.58	216	0.115	13	1.70	0.011	0.15	0.1	<0.01	3.5	0.2	<0.05	7	0.5	<0.2
109490	Soil	16	24	0.55	181	0.084	11	1.99	0.010	0.09	0.1	0.03	3.2	0.1	<0.05	6	<0.5	<0.2
109491	Soil	17	33	1.41	288	0.221	9	3.06	0.018	0.31	<0.1	<0.01	4.2	0.1	<0.05	10	<0.5	<0.2
109492	Soil	11	125	1.56	861	0.182	1	2.72	0.011	0.83	<0.1	0.01	8.9	0.2	<0.05	10	0.6	<0.2
109493	Soil	9	38	0.59	206	0.099	2	2.64	0.013	0.12	0.1	0.02	2.8	<0.1	<0.05	7	0.5	<0.2
109494	Soil	57	81	1.15	280	0.153	1	3.97	0.139	0.40	0.1	0.10	11.6	0.5	<0.05	13	0.5	<0.2
109495	Soil	39	54	0.82	101	0.145	1	1.79	0.023	0.32	0.1	0.04	6.5	0.4	<0.05	7	0.5	<0.2
109496	Soil	16	76	1.62	225	0.318	1	3.86	0.028	1.03	0.1	0.03	8.3	0.6	<0.05	14	<0.5	<0.2
109497	Soil	29	48	0.72	333	0.087	1	1.91	0.018	0.05	0.1	0.15	5.9	<0.1	<0.05	6	<0.5	<0.2
109498	Soil	5	19	0.49	57	0.057	1	1.20	0.006	0.02	<0.1	0.07	1.6	<0.1	<0.05	3	<0.5	<0.2
109499	Soil	10	31	0.41	175	0.082	1	1.70	0.009	0.06	0.2	0.02	2.1	<0.1	<0.05	7	<0.5	<0.2
109500	Soil	15	61	1.00	209	0.284	1	2.86	0.009	0.83	<0.1	0.02	3.4	0.7	<0.05	8	<0.5	<0.2
109501	Soil	13	50	0.78	172	0.203	2	2.51	0.011	0.48	0.1	0.02	4.4	0.3	<0.05	7	<0.5	<0.2
109502	Soil	25	186	1.66	685	0.254	1	6.39	0.052	0.81	<0.1	0.02	6.0	0.5	<0.05	13	<0.5	<0.2
109503	Soil	4	25	1.20	356	0.204	1	2.47	0.039	0.43	<0.1	0.01	4.3	0.1	<0.05	7	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

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 Report Date: August 07, 2011

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		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	
109504	Soil	0.8	34.6	8.3	78	<0.1	30.3	18.5	514	4.26	12.1	0.4	3.3	3.4	19	<0.1	0.5	0.1	93	0.20	0.021
109505	Soil	1.1	12.7	10.3	64	<0.1	18.6	9.3	329	3.05	9.4	0.4	0.8	3.1	20	0.1	0.6	0.2	70	0.14	0.025
109506	Soil	0.7	70.7	8.1	83	<0.1	37.6	15.1	610	4.68	6.4	1.8	0.6	19.8	20	<0.1	0.3	0.3	68	0.17	0.043
109507	Soil	0.9	14.5	9.8	64	<0.1	22.5	12.5	230	3.46	9.9	0.6	2.8	6.2	18	0.1	0.5	0.2	68	0.14	0.032
109508	Soil	0.5	30.4	8.6	86	<0.1	32.1	16.9	313	4.20	2.0	2.1	<0.5	20.7	13	<0.1	0.1	0.1	48	0.17	0.056
109509	Soil	0.4	34.8	15.3	69	<0.1	41.5	20.4	223	4.30	4.9	1.5	0.8	12.3	60	<0.1	0.3	<0.1	115	0.68	0.064
109510	Soil	0.2	14.0	4.1	31	<0.1	11.3	13.3	170	1.92	4.9	0.4	<0.5	2.7	61	<0.1	0.1	<0.1	52	0.43	0.055
109511	Soil	0.4	24.4	3.5	77	<0.1	28.5	19.5	576	5.33	3.7	0.7	<0.5	5.4	57	<0.1	0.1	<0.1	112	0.72	0.184
109512	Soil	1.3	18.3	11.0	59	<0.1	25.1	14.5	306	3.80	11.9	0.7	2.2	6.3	27	<0.1	0.6	0.2	82	0.14	0.030
109513	Soil	1.0	20.5	8.9	58	<0.1	31.7	16.2	605	4.56	3.8	1.0	<0.5	16.5	9	<0.1	0.2	<0.1	53	0.10	0.037
109514	Soil	0.6	21.6	10.0	80	<0.1	28.3	14.7	400	3.54	5.4	1.0	0.5	12.2	21	0.1	0.3	0.1	65	0.20	0.040
109515	Soil	0.3	30.2	4.9	85	<0.1	36.8	16.2	456	4.18	2.6	1.3	<0.5	13.4	56	<0.1	<0.1	0.1	86	0.61	0.070
109516	Soil	1.2	14.2	9.2	46	<0.1	19.2	10.5	279	2.76	5.9	0.7	1.7	5.7	18	<0.1	0.2	0.2	61	0.18	0.039
109517	Soil	0.3	24.2	4.9	72	<0.1	8.8	16.5	763	4.32	3.1	0.8	0.6	4.5	38	<0.1	0.1	<0.1	92	0.53	0.092
109518	Soil	1.5	70.5	9.6	213	<0.1	210.4	60.6	504	5.99	5.2	1.0	1.9	4.4	32	0.5	0.1	0.4	165	0.48	0.192
109519	Soil	1.2	46.2	11.2	75	<0.1	35.5	12.8	454	3.32	12.5	0.7	4.3	4.6	34	<0.1	0.8	0.2	75	0.33	0.033
109520	Soil	2.1	44.7	8.2	57	0.1	20.8	7.7	340	2.61	7.5	1.7	2.4	4.0	25	<0.1	0.6	0.2	65	0.22	0.043
109521	Soil	1.5	43.9	6.8	76	0.4	26.2	6.2	227	2.33	6.1	1.4	2.7	3.3	29	0.2	0.5	0.1	61	0.25	0.045
109522	Soil	0.5	32.0	14.8	94	<0.1	50.2	16.3	544	3.96	4.3	0.9	0.6	11.9	37	<0.1	0.2	0.2	71	0.30	0.031
109523	Soil	0.7	21.1	10.0	96	<0.1	31.7	10.7	368	4.13	2.9	0.6	<0.5	2.9	8	<0.1	0.1	0.2	72	0.09	0.026
109524	Soil	0.6	44.5	15.4	102	<0.1	52.0	22.1	322	4.77	3.6	2.3	0.8	21.9	142	<0.1	0.2	0.4	50	0.27	0.043
109525	Soil	0.8	21.3	9.0	63	<0.1	15.6	8.8	432	2.78	4.9	1.2	1.6	6.3	22	<0.1	0.3	0.1	55	0.28	0.018
109526	Soil	0.9	26.0	7.2	61	<0.1	18.7	9.2	251	3.12	5.2	0.9	0.9	4.9	50	<0.1	0.2	0.2	67	0.41	0.023
109527	Soil	1.0	20.3	7.3	55	<0.1	16.1	7.8	253	2.80	7.1	0.9	1.2	3.9	18	<0.1	0.4	0.2	61	0.11	0.014
109528	Soil	1.0	25.8	5.7	62	0.2	18.5	8.8	204	2.84	5.0	0.7	1.4	3.0	29	<0.1	0.2	0.1	77	0.27	0.039
109529	Soil	0.8	21.2	5.4	54	<0.1	12.6	7.4	199	2.48	4.3	0.5	0.7	2.5	24	<0.1	0.2	0.1	62	0.18	0.027
109530	Soil	0.9	21.6	6.0	59	0.1	14.4	6.2	196	2.45	3.9	0.7	1.3	2.5	35	<0.1	0.2	0.2	55	0.28	0.033
109531	Soil	1.1	24.4	6.9	68	<0.1	16.3	8.5	345	2.98	6.0	0.8	0.7	3.4	16	<0.1	0.3	0.2	62	0.14	0.023
109532	Soil	0.7	25.4	5.5	34	0.2	13.0	6.2	123	2.53	4.8	0.5	1.3	1.9	28	<0.1	0.2	0.1	64	0.11	0.019
109533	Soil	0.5	31.1	4.6	70	<0.1	15.3	10.2	253	3.06	4.3	0.7	1.7	2.9	26	<0.1	0.1	0.2	98	0.29	0.067

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		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
109504	Soil	8	33	1.29	376	0.257	1	3.49	0.015	0.39	0.1	0.01	3.2	0.2	<0.05	8	<0.5	<0.2
109505	Soil	9	33	0.51	173	0.094	1	1.99	0.011	0.09	0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
109506	Soil	36	62	1.16	271	0.343	1	2.58	0.014	1.15	0.1	<0.01	6.4	0.5	<0.05	9	<0.5	<0.2
109507	Soil	10	41	0.59	219	0.100	2	2.33	0.010	0.10	0.1	0.03	3.7	0.2	<0.05	7	<0.5	<0.2
109508	Soil	49	41	1.00	200	0.226	<1	2.79	0.009	0.91	<0.1	<0.01	5.1	0.7	<0.05	8	<0.5	<0.2
109509	Soil	33	109	1.24	249	0.018	<1	3.66	0.047	0.03	<0.1	<0.01	7.9	<0.1	<0.05	11	<0.5	<0.2
109510	Soil	8	25	1.06	222	0.161	<1	2.85	0.056	0.17	<0.1	0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
109511	Soil	16	62	1.59	414	0.218	<1	3.66	0.035	0.59	<0.1	0.01	7.1	0.2	<0.05	12	<0.5	<0.2
109512	Soil	11	46	0.70	299	0.135	<1	3.24	0.018	0.15	0.1	0.03	4.5	0.1	<0.05	8	<0.5	<0.2
109513	Soil	13	47	0.90	148	0.112	<1	2.28	0.006	0.39	<0.1	<0.01	2.8	0.2	<0.05	9	<0.5	<0.2
109514	Soil	21	55	0.89	190	0.189	<1	2.61	0.012	0.53	0.1	0.01	6.1	0.4	<0.05	9	<0.5	<0.2
109515	Soil	23	87	1.33	181	0.224	<1	3.27	0.035	0.87	<0.1	<0.01	9.1	0.5	<0.05	12	<0.5	<0.2
109516	Soil	13	53	0.64	174	0.165	1	2.03	0.011	0.29	0.1	0.02	3.1	0.2	<0.05	7	<0.5	<0.2
109517	Soil	17	14	1.41	514	0.295	<1	2.90	0.014	1.12	<0.1	<0.01	2.8	0.2	<0.05	8	<0.5	<0.2
109518	Soil	21	299	3.09	938	0.336	2	6.54	0.022	1.39	0.1	<0.01	7.0	1.0	<0.05	15	0.9	<0.2
109519	Soil	18	45	0.73	341	0.111	1	1.96	0.016	0.08	0.1	0.07	6.7	<0.1	<0.05	6	0.6	<0.2
109520	Soil	14	35	0.67	209	0.114	1	1.59	0.011	0.11	0.2	0.03	4.2	0.1	0.05	5	1.1	<0.2
109521	Soil	13	36	0.60	244	0.086	2	1.40	0.013	0.08	0.1	0.04	3.6	<0.1	<0.05	5	0.6	<0.2
109522	Soil	21	67	1.37	343	0.311	<1	3.51	0.019	0.88	0.1	0.01	7.1	0.6	<0.05	10	<0.5	<0.2
109523	Soil	8	31	1.90	210	0.303	<1	3.70	0.010	1.18	<0.1	0.01	6.2	0.7	<0.05	10	<0.5	<0.2
109524	Soil	25	48	1.03	361	0.313	<1	4.18	0.015	1.01	0.1	0.02	5.6	0.8	<0.05	11	<0.5	<0.2
109525	Soil	21	26	0.58	208	0.158	<1	1.85	0.016	0.26	0.1	0.02	6.7	0.2	<0.05	7	<0.5	<0.2
109526	Soil	11	25	0.80	382	0.152	1	2.86	0.030	0.43	<0.1	0.01	6.1	0.1	<0.05	7	0.5	<0.2
109527	Soil	10	28	0.52	196	0.141	1	1.80	0.015	0.21	0.1	0.02	4.9	0.1	<0.05	5	0.6	<0.2
109528	Soil	11	31	0.85	271	0.152	<1	2.10	0.015	0.41	0.1	0.02	6.7	0.2	<0.05	6	<0.5	<0.2
109529	Soil	7	21	0.61	269	0.141	1	1.62	0.015	0.28	0.1	0.01	5.0	<0.1	<0.05	5	<0.5	<0.2
109530	Soil	8	20	0.58	232	0.123	<1	1.75	0.013	0.26	0.1	0.02	4.4	0.1	<0.05	5	<0.5	<0.2
109531	Soil	12	33	0.64	224	0.185	1	1.88	0.012	0.34	0.1	0.02	4.7	0.2	<0.05	6	<0.5	<0.2
109532	Soil	5	27	0.65	339	0.130	<1	1.93	0.025	0.40	<0.1	0.01	4.9	0.2	0.10	5	0.9	<0.2
109533	Soil	19	16	0.92	659	0.199	<1	2.21	0.017	0.60	0.1	0.01	10.3	0.2	<0.05	7	<0.5	<0.2

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	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	2	0.01	0.001	
109534	Soil		0.8	19.5	6.7	42	0.2	14.4	6.7	159	2.13	4.9	0.8	1.1	2.8	17	<0.1	0.2	0.1	52	0.14	0.017
109535	Soil		1.0	91.0	8.6	75	0.1	139.7	31.8	945	4.61	3.2	0.5	<0.5	3.3	51	0.1	0.2	<0.1	99	0.80	0.087
109536	Soil		1.2	71.5	3.7	91	<0.1	254.9	33.7	559	4.47	4.2	0.7	<0.5	2.2	19	<0.1	0.1	0.1	120	0.32	0.051
109537	Soil		1.9	38.9	10.3	74	0.1	63.6	15.1	934	2.94	5.0	0.5	<0.5	2.7	16	0.2	0.2	0.1	83	0.21	0.053
109538	Soil		0.9	24.5	6.2	50	<0.1	52.4	10.2	241	2.33	6.6	0.6	1.2	3.4	20	<0.1	0.4	<0.1	56	0.28	0.041
109539	Soil		0.8	24.6	7.0	53	<0.1	35.9	9.8	280	2.45	6.4	0.6	2.6	3.3	19	<0.1	0.4	0.1	58	0.27	0.039
109540	Soil		0.9	23.8	7.5	51	<0.1	36.4	9.7	281	2.34	6.0	0.6	5.5	3.2	19	<0.1	0.3	0.1	54	0.26	0.037
109541	Soil		0.3	23.3	2.4	53	<0.1	9.9	15.8	402	3.26	2.0	0.3	<0.5	2.7	9	<0.1	<0.1	<0.1	86	0.26	0.061
109542	Soil		0.7	23.2	5.8	43	<0.1	17.9	8.9	264	2.19	4.1	0.8	0.5	4.0	17	<0.1	0.2	<0.1	56	0.28	0.033
112583	Soil		0.2	81.5	1.8	35	<0.1	218.9	25.4	206	2.69	1.7	0.4	<0.5	2.4	17	<0.1	<0.1	<0.1	66	0.41	0.106
112585	Soil		0.8	89.0	3.8	263	0.2	164.5	13.5	117	2.43	2.2	0.8	<0.5	1.2	14	0.1	0.3	<0.1	66	0.09	0.022
112586	Soil		1.3	24.7	8.5	50	0.4	24.4	8.4	235	2.34	9.0	0.5	1.8	3.2	14	0.1	0.6	0.2	59	0.11	0.018
112587	Soil		1.0	50.0	10.0	76	<0.1	27.6	7.9	446	3.11	2.6	2.2	2.1	7.1	25	<0.1	0.2	0.2	78	0.12	0.026
112588	Soil		1.1	47.4	10.3	77	0.1	29.2	9.6	399	3.04	2.1	0.9	<0.5	6.3	18	<0.1	0.2	0.2	72	0.05	0.027
112589	Soil		1.9	34.6	8.6	51	0.4	28.0	12.6	2066	2.77	6.3	1.0	<0.5	2.8	22	0.3	0.4	0.2	63	0.19	0.078
112590	Soil		1.4	76.9	11.3	70	<0.1	46.9	13.3	416	3.54	7.6	1.2	2.4	5.3	16	<0.1	0.6	0.2	69	0.12	0.024
112591	Soil		1.4	69.3	11.0	68	<0.1	46.2	12.8	487	3.40	7.9	1.2	2.4	5.2	17	<0.1	0.7	0.2	68	0.13	0.028
112592	Soil		1.8	81.3	14.9	81	<0.1	48.0	14.6	501	3.46	13.6	1.1	<0.5	5.2	24	<0.1	0.7	0.3	75	0.18	0.026
112593	Soil		1.4	36.7	9.8	52	<0.1	26.8	9.7	299	2.68	8.4	0.7	1.0	3.8	19	<0.1	0.6	0.2	61	0.19	0.023
112594	Soil		0.8	62.9	12.1	92	<0.1	41.2	20.8	381	4.14	4.6	1.1	<0.5	2.6	8	<0.1	0.3	0.5	47	0.07	0.018
112595	Soil		1.7	46.3	10.5	57	<0.1	33.0	11.9	336	2.73	10.2	0.7	2.0	4.2	22	<0.1	0.6	0.2	66	0.24	0.017
112596	Soil		1.5	57.9	10.2	62	<0.1	36.4	17.2	453	2.85	9.4	0.7	1.5	3.3	15	<0.1	0.3	0.3	46	0.15	0.020
112597	Soil		2.8	77.1	12.7	56	<0.1	26.7	8.4	366	2.89	6.5	2.0	2.4	5.0	26	<0.1	0.6	0.3	57	0.20	0.028
112598	Soil		2.5	72.0	11.0	71	<0.1	20.2	7.1	359	2.98	2.8	1.6	0.6	4.6	24	<0.1	0.3	0.3	82	0.09	0.033
112599	Soil		2.4	42.9	13.8	57	<0.1	25.6	12.9	604	2.82	4.8	1.1	<0.5	5.0	21	<0.1	0.4	0.2	51	0.23	0.022
112600	Soil		1.3	38.2	11.2	49	<0.1	26.6	11.8	580	2.52	8.7	1.2	2.9	4.4	27	<0.1	0.6	0.2	52	0.32	0.023
112601	Soil		1.2	34.8	10.1	50	<0.1	25.3	10.3	413	2.61	7.9	1.8	2.4	4.6	22	<0.1	0.6	0.2	53	0.28	0.016
112602	Soil		1.7	44.8	12.5	58	<0.1	27.1	9.7	479	2.73	6.4	2.2	1.2	5.0	25	<0.1	0.5	0.2	54	0.29	0.030
112603	Soil		2.2	41.3	8.0	58	<0.1	25.6	9.4	468	2.60	3.9	1.5	1.6	4.5	17	<0.1	0.3	0.2	50	0.18	0.035
112604	Soil		1.8	56.0	10.5	89	<0.1	32.2	13.6	591	4.15	4.1	0.9	1.2	3.4	17	<0.1	0.1	0.2	89	0.11	0.046

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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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
109534	Soil	10	23	0.49	242	0.093	3	1.44	0.011	0.11	<0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
109535	Soil	13	234	1.30	577	0.086	2	1.25	0.007	0.22	<0.1	0.06	14.6	0.2	<0.05	5	0.6	<0.2
109536	Soil	8	440	3.26	966	0.283	<1	3.12	0.017	1.39	<0.1	<0.01	8.7	0.6	0.06	10	0.5	<0.2
109537	Soil	9	127	0.98	391	0.157	1	1.50	0.007	0.38	0.1	0.01	4.5	0.2	<0.05	6	0.5	<0.2
109538	Soil	10	114	0.83	262	0.105	<1	1.24	0.010	0.15	0.1	0.01	3.3	0.1	<0.05	4	<0.5	<0.2
109539	Soil	10	77	0.68	249	0.108	1	1.34	0.013	0.12	0.2	0.02	3.1	0.1	<0.05	4	<0.5	<0.2
109540	Soil	10	76	0.64	267	0.101	<1	1.28	0.013	0.12	0.1	0.02	3.0	0.1	<0.05	4	<0.5	<0.2
109541	Soil	7	17	1.05	288	0.242	<1	2.00	0.016	0.82	<0.1	<0.01	4.5	0.2	<0.05	7	<0.5	<0.2
109542	Soil	14	44	0.63	214	0.107	<1	1.33	0.014	0.13	0.1	0.01	4.3	<0.1	<0.05	4	<0.5	<0.2
112583	Soil	5	584	2.45	618	0.237	<1	1.89	0.021	0.75	<0.1	<0.01	2.6	0.3	<0.05	5	<0.5	<0.2
112585	Soil	6	575	2.26	418	0.196	<1	2.43	0.008	0.40	<0.1	<0.01	1.9	0.2	<0.05	5	0.6	<0.2
112586	Soil	7	35	0.47	244	0.070	<1	1.62	0.014	0.07	0.3	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
112587	Soil	19	45	0.91	363	0.255	<1	1.89	0.014	0.82	<0.1	0.01	4.7	0.5	0.14	6	0.5	<0.2
112588	Soil	20	44	0.81	310	0.237	<1	2.02	0.014	0.73	<0.1	<0.01	3.1	0.5	0.13	6	0.7	<0.2
112589	Soil	11	33	0.38	352	0.044	<1	1.57	0.007	0.07	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
112590	Soil	16	49	0.78	218	0.151	<1	2.20	0.010	0.31	0.1	0.02	6.3	0.2	<0.05	6	0.7	<0.2
112591	Soil	15	49	0.76	230	0.139	1	2.24	0.013	0.29	0.1	0.03	6.3	0.2	<0.05	6	<0.5	<0.2
112592	Soil	10	43	0.79	235	0.136	1	2.10	0.010	0.30	0.1	0.02	4.5	0.2	<0.05	6	0.9	<0.2
112593	Soil	9	33	0.61	173	0.098	1	1.68	0.016	0.17	0.1	0.02	3.1	0.1	<0.05	5	<0.5	<0.2
112594	Soil	8	40	0.93	155	0.255	<1	2.06	0.011	1.05	<0.1	0.02	6.3	0.5	<0.05	7	<0.5	<0.2
112595	Soil	9	38	0.57	220	0.086	1	1.82	0.015	0.10	0.2	0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
112596	Soil	8	31	0.81	161	0.180	<1	1.75	0.010	0.60	0.1	<0.01	3.6	0.3	<0.05	5	0.6	<0.2
112597	Soil	18	32	0.63	184	0.117	1	1.51	0.013	0.25	0.1	0.03	4.9	0.2	0.13	4	1.5	<0.2
112598	Soil	15	33	0.82	233	0.170	<1	1.71	0.016	0.79	<0.1	<0.01	3.4	0.4	0.18	5	0.8	<0.2
112599	Soil	12	29	0.58	245	0.122	1	1.54	0.010	0.34	0.1	0.01	3.0	0.2	<0.05	5	<0.5	<0.2
112600	Soil	13	31	0.47	279	0.089	1	1.43	0.016	0.11	0.2	0.04	4.2	<0.1	<0.05	4	<0.5	<0.2
112601	Soil	14	31	0.48	277	0.082	<1	1.60	0.015	0.07	0.1	0.03	4.5	<0.1	<0.05	5	<0.5	<0.2
112602	Soil	14	30	0.51	267	0.112	<1	1.54	0.015	0.24	0.1	0.03	4.7	0.1	<0.05	4	<0.5	<0.2
112603	Soil	11	29	0.47	170	0.092	1	1.32	0.006	0.23	0.1	<0.01	3.0	0.2	<0.05	4	0.7	<0.2
112604	Soil	10	50	1.06	282	0.231	1	2.62	0.010	0.96	0.1	0.01	4.6	0.4	<0.05	9	0.7	<0.2

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Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Taku Gold Corp**  
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		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	
112605	Soil	1.5	70.1	17.3	97	0.1	22.7	6.7	411	3.29	11.7	0.7	<0.5	3.8	15	0.2	0.4	0.3	84	0.06	0.041
112606	Soil	1.2	47.9	9.8	63	<0.1	36.5	10.0	308	2.97	13.1	1.2	3.5	5.5	23	<0.1	0.7	0.2	72	0.20	0.016
112607	Soil	1.5	64.2	9.1	94	<0.1	52.5	24.3	784	4.40	5.2	1.2	1.8	5.0	14	<0.1	0.4	0.2	91	0.11	0.039
112608	Soil	2.1	17.2	9.2	60	0.3	16.6	8.1	276	3.03	8.8	0.5	0.8	2.8	16	<0.1	0.6	0.2	73	0.10	0.041
112609	Soil	0.3	24.7	2.3	81	<0.1	31.1	15.8	483	4.04	0.9	2.0	0.9	19.4	15	<0.1	<0.1	0.1	72	0.23	0.042
112610	Soil	0.3	26.0	6.2	58	<0.1	39.6	15.6	373	3.95	1.5	1.4	1.4	14.5	113	<0.1	<0.1	0.3	70	0.46	0.051
112611	Soil	0.4	27.2	17.2	63	<0.1	21.4	16.0	470	3.73	1.2	0.7	0.6	8.1	27	0.1	<0.1	0.1	86	0.36	0.054
112612	Soil	0.4	17.2	2.7	51	<0.1	29.7	13.4	489	3.13	1.2	1.0	2.8	9.4	21	<0.1	<0.1	0.1	71	0.29	0.052
112613	Soil	0.5	44.3	10.1	78	<0.1	35.9	19.4	560	4.63	1.7	1.6	<0.5	15.2	28	<0.1	0.1	0.1	79	0.31	0.074
112614	Soil	0.8	21.7	8.7	55	<0.1	27.0	11.1	379	3.10	8.3	0.8	0.7	6.7	21	0.1	0.4	0.1	67	0.23	0.028
112615	Soil	2.1	94.6	9.9	66	<0.1	53.3	17.9	437	3.18	2.7	1.4	0.8	9.0	33	<0.1	0.1	0.3	65	0.71	0.241
112616	Soil	0.4	25.6	3.6	52	<0.1	14.1	12.8	444	3.24	4.1	0.6	<0.5	5.0	30	<0.1	0.3	<0.1	95	0.61	0.056
112617	Soil	1.0	45.6	3.8	49	<0.1	19.8	11.8	324	3.22	4.1	1.1	0.5	6.4	19	<0.1	0.2	<0.1	78	0.35	0.062
112618	Soil	0.7	23.3	7.4	73	<0.1	17.2	17.3	656	4.47	7.5	0.9	0.7	10.8	23	<0.1	0.3	<0.1	100	0.34	0.057
112620	Soil	0.9	28.0	8.3	49	<0.1	34.5	15.8	248	3.43	5.6	1.8	1.2	13.2	24	<0.1	0.4	0.1	69	0.27	0.034
112621	Soil	0.6	34.7	8.2	81	<0.1	37.3	13.6	483	4.05	3.9	1.8	1.3	17.0	29	<0.1	0.4	0.2	67	0.38	0.043
112622	Soil	0.8	33.8	36.7	101	<0.1	39.1	16.5	437	4.49	4.9	1.6	0.7	20.4	33	<0.1	0.2	0.6	76	0.33	0.034
112623	Soil	0.5	36.1	7.6	70	<0.1	28.0	12.4	378	3.54	3.4	1.5	2.2	12.4	39	<0.1	0.2	0.2	64	0.52	0.082
112624	Soil	0.9	37.4	6.9	85	<0.1	25.6	13.3	514	3.82	4.8	1.4	1.8	8.1	24	<0.1	0.3	0.1	88	0.64	0.070



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:** Taku Gold Corp  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

**Project:** DAN  
**Report Date:** August 07, 2011

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# CERTIFICATE OF ANALYSIS

WHI11000699.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
112605	Soil	9	50	0.85	305	0.215	1	1.96	0.015	0.94	<0.1	<0.01	3.2	0.5	0.18	7	1.0	<0.2
112606	Soil	20	47	0.63	279	0.089	2	2.11	0.014	0.08	0.1	0.04	6.7	0.1	<0.05	6	0.9	<0.2
112607	Soil	20	42	0.95	302	0.174	2	2.78	0.007	0.48	<0.1	0.02	5.8	0.3	<0.05	8	<0.5	<0.2
112608	Soil	9	35	0.54	231	0.081	2	1.66	0.008	0.13	0.1	<0.01	2.4	0.1	<0.05	6	0.8	<0.2
112609	Soil	21	71	1.13	174	0.232	<1	2.73	0.015	1.03	0.1	<0.01	8.1	0.6	<0.05	12	0.5	<0.2
112610	Soil	30	70	1.01	178	0.200	<1	3.84	0.041	0.86	0.1	<0.01	7.8	0.4	<0.05	12	<0.5	<0.2
112611	Soil	16	62	1.33	280	0.287	<1	3.27	0.033	1.22	0.1	<0.01	7.2	0.5	<0.05	10	0.6	<0.2
112612	Soil	36	113	1.32	250	0.201	<1	2.13	0.009	0.64	0.1	<0.01	8.4	0.3	<0.05	8	<0.5	<0.2
112613	Soil	37	61	1.49	375	0.250	<1	3.18	0.019	1.17	<0.1	0.01	8.2	0.4	<0.05	11	0.9	<0.2
112614	Soil	12	53	0.80	219	0.157	1	1.99	0.010	0.40	<0.1	0.01	4.2	0.2	<0.05	7	0.7	<0.2
112615	Soil	24	65	1.12	188	0.160	<1	2.16	0.015	0.79	<0.1	<0.01	4.6	0.3	<0.05	7	0.7	<0.2
112616	Soil	12	25	1.02	244	0.190	<1	2.38	0.028	0.45	<0.1	<0.01	4.6	0.1	<0.05	6	0.7	<0.2
112617	Soil	17	19	0.77	258	0.132	<1	1.77	0.022	0.46	<0.1	<0.01	4.1	0.1	<0.05	6	0.9	<0.2
112618	Soil	10	25	1.18	211	0.132	<1	2.83	0.012	0.49	<0.1	<0.01	5.5	0.2	<0.05	8	0.9	<0.2
112620	Soil	36	59	0.91	270	0.138	<1	2.20	0.012	0.49	<0.1	0.01	5.5	0.2	<0.05	7	<0.5	<0.2
112621	Soil	26	64	0.94	265	0.201	1	2.49	0.025	0.74	0.1	0.02	8.2	0.4	<0.05	10	1.1	<0.2
112622	Soil	20	71	1.06	199	0.226	<1	2.82	0.021	1.03	0.2	0.01	8.1	0.6	<0.05	11	0.9	<0.2
112623	Soil	41	47	0.90	328	0.186	<1	2.29	0.017	0.69	0.1	0.05	5.9	0.3	<0.05	8	0.9	<0.2
112624	Soil	28	50	0.91	328	0.118	<1	2.16	0.017	0.25	<0.1	0.04	7.6	0.1	<0.05	9	0.7	<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: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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# QUALITY CONTROL REPORT

WHI11000699.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 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																							
101222	Soil			1.1	33.2	9.9	60	<0.1	34.0	14.2	376	3.39	8.9	1.1	1.2	6.7	18	<0.1	0.5	0.2	66	0.18	0.026
REP 101222	QC			1.1	34.5	9.8	61	<0.1	35.6	14.7	392	3.49	9.2	1.2	2.2	6.8	18	<0.1	0.5	0.2	71	0.19	0.027
103520	Soil			1.0	20.2	10.8	69	<0.1	25.1	11.9	384	3.20	9.4	1.0	4.0	7.2	23	0.1	0.4	0.2	62	0.21	0.041
REP 103520	QC			0.9	20.5	10.8	69	<0.1	25.6	11.5	375	3.22	8.7	1.0	<0.5	7.1	23	0.1	0.5	0.2	59	0.21	0.042
103541	Soil			0.7	32.9	8.6	59	<0.1	56.3	12.5	369	3.44	4.2	1.2	<0.5	14.6	32	<0.1	0.2	0.2	65	0.44	0.105
REP 103541	QC			0.6	33.7	8.5	62	<0.1	59.4	12.9	385	3.61	4.8	1.2	<0.5	15.2	31	<0.1	0.2	0.2	68	0.43	0.101
103551	Soil			0.2	8.3	3.8	27	<0.1	7.7	10.8	231	1.77	2.2	0.2	<0.5	1.8	78	<0.1	0.1	<0.1	49	0.57	0.042
REP 103551	QC			0.2	8.2	3.8	28	<0.1	7.6	11.0	240	1.78	2.1	0.2	<0.5	1.7	80	<0.1	0.1	<0.1	50	0.58	0.041
103562	Soil			1.2	34.6	6.8	75	0.3	29.7	7.2	314	2.30	3.4	0.7	1.9	3.1	23	<0.1	0.2	0.1	50	0.14	0.026
REP 103562	QC			1.1	34.4	6.6	73	0.2	28.5	6.9	310	2.27	3.1	0.7	1.6	2.9	22	<0.1	0.2	0.1	48	0.12	0.025
105520	Soil			1.0	41.1	5.4	41	0.2	20.1	7.8	149	3.18	1.8	0.8	<0.5	2.5	32	<0.1	0.1	0.2	59	0.08	0.030
REP 105520	QC			1.0	40.7	5.2	39	0.1	19.8	7.2	142	3.01	1.9	0.8	<0.5	2.6	32	<0.1	0.1	0.2	56	0.08	0.028
105531	Soil			0.4	27.5	2.5	87	<0.1	12.2	6.3	497	3.58	1.3	0.4	<0.5	3.1	5	<0.1	<0.1	0.1	46	0.05	0.016
REP 105531	QC			0.3	25.7	2.5	80	<0.1	10.9	5.7	471	3.38	1.1	0.4	<0.5	3.0	4	<0.1	<0.1	<0.1	44	0.04	0.016
105552	Soil			0.7	22.0	9.9	57	<0.1	25.0	11.9	174	2.81	5.5	0.7	3.3	4.7	12	<0.1	0.3	0.2	47	0.11	0.026
REP 105552	QC			0.7	20.6	9.6	58	<0.1	24.8	11.8	167	2.81	5.4	0.6	3.8	4.2	11	<0.1	0.3	0.2	44	0.10	0.024
105560	Soil			1.4	26.6	12.5	59	<0.1	26.1	10.0	324	3.23	9.1	0.8	0.8	6.2	15	<0.1	0.5	0.2	57	0.11	0.032
REP 105560	QC			1.4	27.5	12.6	61	<0.1	28.2	10.5	324	3.24	9.2	0.7	1.7	6.4	15	<0.1	0.4	0.2	60	0.11	0.033
108666	Soil			1.4	10.9	8.7	36	0.2	11.6	4.4	150	2.19	5.1	0.5	2.4	2.6	14	<0.1	0.3	0.2	46	0.13	0.021
REP 108666	QC			1.2	10.9	8.8	37	0.2	11.6	4.4	150	2.20	5.2	0.5	3.0	2.7	13	<0.1	0.3	0.3	46	0.14	0.022
108683	Soil			0.4	23.3	4.5	72	<0.1	12.7	18.7	791	4.59	2.0	0.5	0.7	6.2	45	<0.1	0.1	<0.1	111	0.76	0.062
REP 108683	QC			0.4	21.6	4.4	71	<0.1	12.7	18.8	784	4.41	2.1	0.5	0.9	6.4	44	<0.1	0.2	<0.1	115	0.79	0.064
108702	Soil			0.2	24.5	2.2	37	<0.1	15.2	8.9	257	2.15	0.9	0.7	<0.5	5.4	65	<0.1	<0.1	<0.1	50	0.75	0.122
REP 108702	QC			0.1	25.3	2.1	37	<0.1	15.4	8.6	247	2.10	0.9	0.7	<0.5	5.4	66	<0.1	<0.1	<0.1	49	0.78	0.134
109491	Soil			0.2	11.9	4.3	62	<0.1	16.7	16.7	530	3.71	3.8	0.8	<0.5	4.9	41	<0.1	0.1	<0.1	86	0.90	0.117
REP 109491	QC			0.1	12.3	4.6	63	<0.1	17.9	16.8	559	3.64	3.9	0.8	<0.5	5.1	41	<0.1	0.1	<0.1	88	0.95	0.120
109495	Soil			0.3	33.0	5.6	81	<0.1	33.9	14.4	336	3.41	3.7	1.2	<0.5	14.7	66	<0.1	0.2	<0.1	52	0.53	0.041
REP 109495	QC			0.3	33.6	6.0	80	<0.1	34.9	14.6	332	3.45	4.1	1.2	2.0	15.4	70	<0.1	0.2	<0.1	52	0.56	0.044



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Taku Gold Corp**  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

Project: DAN  
 Report Date: August 07, 2011

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QUALITY CONTROL REPORT

WHI11000699.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
101222	Soil	17	45	0.68	303	0.110	<1	2.21	0.008	0.16	0.1	0.03	5.1	0.2	<0.05	6	0.6	<0.2
REP 101222	QC	18	47	0.71	308	0.118	2	2.32	0.009	0.17	0.2	0.03	5.2	0.2	<0.05	6	<0.5	<0.2
103520	Soil	15	36	0.63	167	0.126	1	2.39	0.011	0.21	0.2	0.03	3.7	0.2	<0.05	7	<0.5	<0.2
REP 103520	QC	15	36	0.62	161	0.122	2	2.39	0.010	0.21	0.1	0.03	3.7	0.2	<0.05	7	<0.5	<0.2
103541	Soil	32	89	1.03	121	0.195	<1	2.20	0.012	0.58	0.2	<0.01	7.5	0.5	<0.05	9	<0.5	<0.2
REP 103541	QC	33	91	1.08	122	0.209	<1	2.12	0.009	0.60	0.1	<0.01	7.7	0.5	<0.05	9	<0.5	<0.2
103551	Soil	6	18	0.83	143	0.117	<1	2.57	0.070	0.03	<0.1	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
REP 103551	QC	7	18	0.84	147	0.118	<1	2.59	0.069	0.02	<0.1	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
103562	Soil	11	28	0.76	541	0.086	1	1.51	0.010	0.20	<0.1	0.01	3.1	0.1	<0.05	5	<0.5	<0.2
REP 103562	QC	11	27	0.74	513	0.084	<1	1.48	0.009	0.19	<0.1	0.01	2.9	0.1	<0.05	4	<0.5	<0.2
105520	Soil	9	25	0.73	297	0.127	<1	1.97	0.021	0.63	<0.1	<0.01	4.4	0.3	0.22	5	0.8	<0.2
REP 105520	QC	9	24	0.69	303	0.125	<1	1.93	0.020	0.61	<0.1	0.01	4.3	0.3	0.21	5	1.0	<0.2
105531	Soil	9	14	0.86	191	0.267	<1	2.26	0.006	0.94	<0.1	<0.01	6.8	0.3	<0.05	8	<0.5	<0.2
REP 105531	QC	9	13	0.81	177	0.252	<1	2.14	0.006	0.89	<0.1	<0.01	6.5	0.3	<0.05	7	<0.5	<0.2
105552	Soil	14	28	0.65	130	0.116	<1	1.84	0.010	0.38	0.1	<0.01	3.0	0.3	<0.05	6	<0.5	<0.2
REP 105552	QC	13	27	0.60	125	0.106	<1	1.72	0.009	0.35	<0.1	<0.01	2.9	0.3	<0.05	6	<0.5	<0.2
105560	Soil	14	33	0.62	155	0.109	<1	2.38	0.009	0.25	0.1	<0.01	2.9	0.2	<0.05	6	<0.5	<0.2
REP 105560	QC	13	33	0.63	156	0.106	<1	2.42	0.008	0.26	0.2	<0.01	2.9	0.2	<0.05	6	0.5	<0.2
108666	Soil	12	26	0.41	112	0.086	<1	1.21	0.008	0.09	<0.1	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
REP 108666	QC	12	26	0.42	112	0.085	1	1.27	0.007	0.09	<0.1	<0.01	2.3	0.2	<0.05	6	<0.5	<0.2
108683	Soil	14	15	1.70	553	0.307	<1	3.77	0.021	0.58	<0.1	<0.01	2.5	0.2	<0.05	9	<0.5	<0.2
REP 108683	QC	15	16	1.65	558	0.301	<1	3.62	0.021	0.59	<0.1	<0.01	2.6	0.2	<0.05	9	<0.5	<0.2
108702	Soil	23	24	0.71	260	0.099	<1	1.91	0.029	0.33	<0.1	<0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
REP 108702	QC	22	24	0.72	277	0.101	<1	2.03	0.028	0.32	<0.1	0.01	4.0	<0.1	<0.05	6	<0.5	<0.2
109491	Soil	17	33	1.41	288	0.221	9	3.06	0.018	0.31	<0.1	<0.01	4.2	0.1	<0.05	10	<0.5	<0.2
REP 109491	QC	17	33	1.45	294	0.223	8	3.22	0.018	0.33	<0.1	<0.01	4.3	0.1	<0.05	10	<0.5	<0.2
109495	Soil	39	54	0.82	101	0.145	1	1.79	0.023	0.32	0.1	0.04	6.5	0.4	<0.05	7	0.5	<0.2
REP 109495	QC	40	54	0.83	104	0.145	2	1.87	0.025	0.31	0.1	0.05	6.5	0.4	<0.05	7	<0.5	<0.2

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.





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: **Taku Gold Corp**  
680 3rd Ave, Suite 203  
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Project: DAN  
Report Date: August 07, 2011

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QUALITY CONTROL REPORT

WHI11000699.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	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
109526	Soil	0.9	26.0	7.2	61	<0.1	18.7	9.2	251	3.12	5.2	0.9	0.9	4.9	50	<0.1	0.2	0.2	67	0.41	0.023
REP 109526	QC	1.0	25.7	7.1	64	<0.1	17.9	9.2	259	3.09	5.2	0.9	1.4	4.9	50	<0.1	0.2	0.2	66	0.40	0.022
109535	Soil	1.0	91.0	8.6	75	0.1	139.7	31.8	945	4.61	3.2	0.5	<0.5	3.3	51	0.1	0.2	<0.1	99	0.80	0.087
REP 109535	QC	1.1	93.7	8.8	80	0.1	148.9	32.6	963	4.82	3.2	0.5	<0.5	3.5	53	0.2	0.2	<0.1	101	0.80	0.089
112598	Soil	2.5	72.0	11.0	71	<0.1	20.2	7.1	359	2.98	2.8	1.6	0.6	4.6	24	<0.1	0.3	0.3	82	0.09	0.033
REP 112598	QC	2.2	73.3	11.4	71	<0.1	20.3	7.4	372	3.06	3.1	1.6	1.2	4.6	24	<0.1	0.3	0.2	82	0.10	0.032
112612	Soil	0.4	17.2	2.7	51	<0.1	29.7	13.4	489	3.13	1.2	1.0	2.8	9.4	21	<0.1	<0.1	0.1	71	0.29	0.052
REP 112612	QC	0.4	18.2	3.1	51	<0.1	28.3	12.9	480	3.08	1.3	1.0	<0.5	9.2	23	<0.1	0.1	0.1	68	0.29	0.052
Reference Materials																					
STD DS8	Standard	13.5	111.1	116.9	309	1.7	37.8	7.6	612	2.46	26.1	2.7	106.0	7.1	65	2.4	5.0	6.1	44	0.67	0.075
STD DS8	Standard	13.7	107.2	114.7	302	1.7	36.6	7.8	616	2.43	26.3	2.7	117.0	7.0	66	2.3	5.4	6.1	42	0.71	0.078
STD DS8	Standard	13.3	111.7	124.2	308	1.7	37.5	7.7	600	2.60	24.8	2.5	110.7	6.3	61	2.0	5.4	6.2	42	0.67	0.075
STD DS8	Standard	14.0	113.0	123.2	312	1.8	40.5	7.8	619	2.71	25.0	2.7	110.1	6.7	63	2.3	5.4	6.1	44	0.72	0.077
STD DS8	Standard	12.9	110.3	124.3	317	1.8	38.3	7.6	597	2.43	27.9	2.6	114.3	6.6	62	2.2	5.4	6.4	42	0.66	0.083
STD DS8	Standard	13.8	111.2	131.1	321	1.7	38.2	7.8	607	2.51	27.8	2.7	106.0	6.9	62	2.3	5.3	6.7	42	0.68	0.083
STD DS8	Standard	11.9	100.1	116.3	289	1.8	34.8	6.9	596	2.41	24.9	2.6	107.9	6.0	63	2.2	5.6	5.7	40	0.66	0.075
STD DS8	Standard	12.8	98.1	121.8	301	1.7	35.4	6.7	598	2.38	24.2	2.7	113.6	6.7	66	2.1	5.4	6.0	39	0.64	0.071
STD DS8	Standard	13.7	110.5	120.2	311	1.8	38.0	7.4	596	2.44	26.8	2.9	127.1	7.1	69	2.4	5.9	6.6	43	0.67	0.077
STD DS8	Standard	12.6	101.7	110.3	285	1.6	35.6	6.8	554	2.20	24.3	2.6	99.7	6.6	66	2.0	5.6	6.2	41	0.67	0.073
STD DS8	Standard	12.9	107.8	127.0	307	1.8	39.0	7.9	583	2.45	28.1	2.6	114.5	6.5	63	2.6	5.9	6.8	40	0.62	0.082
STD DS8	Standard	12.8	112.7	132.9	315	1.7	38.8	7.5	631	2.48	27.9	2.8	106.7	6.8	67	2.2	5.7	6.9	41	0.67	0.082
STD DS8	Standard	14.2	122.4	131.0	340	1.9	42.1	8.3	671	2.63	30.0	2.9	128.4	7.2	72	2.3	6.6	7.1	48	0.71	0.086
STD DS8	Standard	14.2	116.8	130.1	321	1.9	39.2	7.9	633	2.55	27.9	3.1	125.7	7.3	74	2.3	6.3	6.9	46	0.71	0.080
STD DS8	Standard	12.5	108.4	124.7	319	1.8	36.9	7.6	631	2.51	27.7	2.7	129.1	6.4	63	2.3	6.0	6.9	44	0.65	0.091
STD DS8	Standard	12.9	111.5	125.2	317	1.8	38.3	7.8	648	2.59	28.5	2.8	108.7	6.8	67	2.4	5.9	6.7	44	0.67	0.084
STD DS8	Standard	11.1	101.0	111.5	281	1.5	35.2	6.9	529	2.15	24.0	2.5	93.9	5.9	61	2.2	5.1	6.0	38	0.58	0.069
STD DS8	Standard	12.3	101.1	114.6	272	1.6	33.8	6.9	546	2.18	23.6	2.6	101.7	6.1	66	2.0	5.3	6.3	38	0.62	0.066
STD DS8	Standard	13.8	111.3	126.2	317	1.7	40.0	7.9	625	2.50	25.3	2.7	109.7	6.9	67	2.1	5.3	6.3	41	0.70	0.076
STD DS8	Standard	13.7	103.3	128.1	300	1.7	36.1	7.7	610	2.32	26.1	2.9	105.8	6.8	63	2.1	5.2	6.6	40	0.68	0.076

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.



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:** Taku Gold Corp  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

**Project:** DAN  
**Report Date:** August 07, 2011

**Page:** 2 of 3 **Part** 2

QUALITY CONTROL REPORT

WHI11000699.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
109526	Soil	11	25	0.80	382	0.152	1	2.86	0.030	0.43	<0.1	0.01	6.1	0.1	<0.05	7	0.5	<0.2
REP 109526	QC	11	25	0.78	383	0.156	<1	2.84	0.030	0.44	<0.1	0.01	6.1	0.2	<0.05	7	<0.5	<0.2
109535	Soil	13	234	1.30	577	0.086	2	1.25	0.007	0.22	<0.1	0.06	14.6	0.2	<0.05	5	0.6	<0.2
REP 109535	QC	13	241	1.36	617	0.088	<1	1.32	0.007	0.23	<0.1	0.06	14.7	0.2	0.06	5	<0.5	<0.2
112598	Soil	15	33	0.82	233	0.170	<1	1.71	0.016	0.79	<0.1	<0.01	3.4	0.4	0.18	5	0.8	<0.2
REP 112598	QC	15	34	0.84	247	0.176	<1	1.76	0.016	0.81	<0.1	<0.01	3.7	0.4	0.18	5	0.8	<0.2
112612	Soil	36	113	1.32	250	0.201	<1	2.13	0.009	0.64	0.1	<0.01	8.4	0.3	<0.05	8	<0.5	<0.2
REP 112612	QC	35	113	1.33	253	0.189	<1	2.12	0.010	0.61	0.1	0.01	8.3	0.3	<0.05	8	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	16	120	0.60	281	0.113	2	0.91	0.091	0.43	2.9	0.21	2.1	5.2	0.12	4	4.3	4.5
STD DS8	Standard	16	118	0.60	280	0.116	2	0.92	0.093	0.41	2.9	0.19	2.2	5.1	0.12	5	5.5	4.5
STD DS8	Standard	14	117	0.62	271	0.115	3	0.89	0.071	0.40	3.0	0.20	1.8	5.1	0.16	5	4.4	5.0
STD DS8	Standard	15	122	0.64	276	0.122	3	0.93	0.078	0.43	2.9	0.21	2.0	5.2	0.17	4	5.0	4.5
STD DS8	Standard	14	111	0.60	285	0.108	3	0.88	0.084	0.40	3.1	0.21	2.1	5.4	0.15	5	5.2	5.6
STD DS8	Standard	14	117	0.64	278	0.109	2	0.89	0.089	0.41	3.0	0.21	2.0	5.4	0.17	5	4.9	5.2
STD DS8	Standard	14	115	0.58	266	0.106	2	0.87	0.085	0.40	2.9	0.19	1.8	5.3	0.15	5	5.3	5.0
STD DS8	Standard	15	112	0.59	281	0.108	3	0.89	0.087	0.40	3.0	0.18	1.9	5.4	0.17	5	5.0	5.0
STD DS8	Standard	16	119	0.62	274	0.129	3	0.92	0.091	0.41	2.9	0.20	2.2	5.3	0.22	5	5.0	5.3
STD DS8	Standard	15	108	0.57	262	0.123	3	0.87	0.083	0.39	2.7	0.18	2.0	5.0	0.18	4	4.8	4.1
STD DS8	Standard	12	112	0.59	259	0.099	4	0.81	0.075	0.38	3.2	0.19	2.0	5.1	0.11	5	5.4	5.3
STD DS8	Standard	14	109	0.62	275	0.109	3	0.88	0.083	0.43	2.8	0.19	2.0	5.8	0.14	5	4.9	5.3
STD DS8	Standard	15	129	0.67	288	0.138	3	0.97	0.094	0.46	3.3	0.23	2.4	5.6	0.22	5	5.7	4.9
STD DS8	Standard	16	123	0.64	291	0.140	3	0.95	0.092	0.42	3.1	0.20	2.2	5.4	0.18	5	5.3	5.0
STD DS8	Standard	15	121	0.64	265	0.112	4	0.94	0.093	0.43	3.1	0.22	2.3	5.5	0.21	5	4.7	5.2
STD DS8	Standard	15	114	0.66	270	0.115	3	0.97	0.095	0.43	3.2	0.21	2.2	5.5	0.15	5	5.1	4.8
STD DS8	Standard	11	106	0.54	244	0.108	2	0.86	0.104	0.41	2.7	0.20	2.0	4.7	0.14	4	4.3	4.7
STD DS8	Standard	13	107	0.54	261	0.113	2	0.87	0.122	0.40	2.8	0.19	2.1	4.8	0.12	4	5.1	4.6
STD DS8	Standard	15	118	0.60	269	0.113	<1	0.88	0.086	0.41	3.1	0.20	2.0	5.2	0.17	5	5.4	5.2
STD DS8	Standard	15	111	0.59	261	0.111	15	0.85	0.085	0.43	3.0	0.19	2.1	5.5	0.12	5	4.9	4.8

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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:** Taku Gold Corp  
 680 3rd Ave, Suite 203  
 Val D'Or QC J9P 1S5 Canada

**Project:** DAN  
**Report Date:** August 07, 2011

Page: 3 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000699.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	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
STD DS8	Standard	13.6	107.9	123.7	300	1.7	36.5	7.1	587	2.38	25.4	2.8	114.5	6.8	60	2.2	5.1	6.1	41	0.68	0.077
STD DS8	Standard	12.4	97.3	117.4	282	1.6	33.1	6.5	552	2.20	23.7	2.6	111.1	6.1	60	2.2	5.0	5.7	38	0.63	0.071
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<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	0.02	<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	0.02	<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:** Taku Gold Corp  
680 3rd Ave, Suite 203  
Val D'Or QC J9P 1S5 Canada

**Project:** DAN

**Report Date:** August 07, 2011

**Page:** 3 of 3 **Part** 2

QUALITY CONTROL REPORT

WHI11000699.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	15	112	0.58	270	0.109	3	0.87	0.087	0.41	2.9	0.19	2.4	5.2	0.17	5	4.7	4.8
STD DS8	Standard	14	102	0.55	266	0.104	3	0.82	0.080	0.38	2.6	0.18	2.2	5.0	0.13	4	3.9	4.6
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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: Breakaway Expl. Mgmt. Inc.

203 - 680 3rd Ave.  
Val d'Or QC J9P 1S5 Canada

Submitted By: Mark Fekete  
Receiving Lab: Canada-Whitehorse  
Received: October 20, 2011  
Report Date: October 31, 2011  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

## WHI11001782.1

### CLIENT JOB INFORMATION

Project: CLR  
Shipment ID:  
P.O. Number  
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			WHI
3B01	3	Fire assay fusion Au by ICP-ES	30	Completed	VAN

### SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
DISP-RJT Dispose of Reject After 90 days

### 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: Breakaway Expl. Mgmt. Inc.  
203 - 680 3rd Ave.  
Val d'Or QC J9P 1S5  
Canada

CC: Lauren Wilson



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



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

[www.acmelab.com](http://www.acmelab.com)

**Client:** Breakaway Expl. Mgmt. Inc.  
203 - 680 3rd Ave.  
Val d'Or QC J9P 1S5 Canada

**Project:** CLR  
**Report Date:** October 31, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001782.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
101346	Rock	1.79	<2
101373	Rock	1.52	<2
101374	Rock	1.49	<2



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## QUALITY CONTROL REPORT

WHI11001782.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
Reference Materials		
STD OXC88	Standard	195
STD OXH82	Standard	1271
STD OXC88 Expected		203
STD OXH82 Expected		1278
BLK	Blank	<2
BLK	Blank	<2
Prep Wash		
G1	Prep Blank	<2