REPORT ON THE 2010 GEOLOGICAL AND GEOCHEMICAL WORK ON THE LDH 1- 8 CLAIMS

Claim Name:	Grant No's
LDH 1-6	YC25229-YC25234
LDH 7-8	YC25229-YC25234

WATSON LAKE MINING DISTRICT, YUKON TERRITORY
NTS: 105A/11

Latitude 64^{o} 39' 30''
Longitude 129^{o} 19'

Work Conducted:
August 26, 2010 - Sept. 1, 2010

YMIP # 10-129

Owner and Operator:
Roger Hulstein
106 Wilson Drive
Whitehorse, Yukon Territory
Y1A 0C9

Prepared by:
Roger Hulstein, B.Sc., P.Geo.

November 30, 2010

SUMMARY

The property is located in southeast Yukon, covers an area of approximately 165 hectares, is comprised of 8 Yukon two-post Quartz claims (LDH 1-8 claims) held by Roger Hulstein of Whitehorse, Yukon Territory. Access can be easily gained by helicopter based in Watson Lake approximately 75km to the south or with a greater degree of difficulty by foot travel from the Robert Campbell Highway approximately 6km to the east.

The property lies within the Finlayson Lake Belt and is underlain by Mississippian to Permian age units of the Yukon Tanana Terrane (Money Creek thrust sheet). These units in the vicinity of the property consist dominantly of an oceanic assemblage of mafic volcanics, ultramafics, chert and pelite, limestone and gabbroic rocks.

The property covers a multielement geochemical stream sediment anomaly (Au, Ag, Cu, Pb, Zn and As) first detected by the Geological Survey of Canada with a regional geochemical survey. Cominco Ltd. followed up on this anomaly in 1996 and 1997 with additional stream sediment samples, soil samples and geological mapping. Their results enhanced and defined the probable source area.

The 2010 exploration program was designed to follow-up on the anomalous stream sediment and soil samples collected by Cominco and by the author in 2005. The 2010 program consisted of prospecting, reconnaissance geological mapping and soil geochemical sampling.

Soil sampling at the headwaters of North Fork Creek returned anomalous values for gold (<77.7 ppb), silver (<1390 ppb), copper (<94 ppm), lead (<81.65 ppm), zinc (<393.4 ppm), antimony (<6.46 ppm) and arsenic (<288.9 ppm) from a number of samples. These anomalous samples cluster around a northeast trending fault that intersects the northwest trending fault in North Fork Creek.

Soil sampling in 2010 confirmed the highly anomalous nature of the upper drainage basin of North Fork Creek. Further work is required to determine the source(s) of the soil sample anomalies and previously identified stream sediment anomalies. Further work should consist of geological mapping of the hillsides and ridges surrounding the upper drainage basin. Additional stream sediment silt sampling is required to determine anomaly cutoffs and additional soil sampling to determine the size and extent of anomalous areas.

Additional exploration plans, including trenching, geophysics and drilling, are dependant on the results of the above recommended work.

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

1.0 INTRODUCTION

The purpose of this report is to fulfill assessment requirements of the Yukon Quartz Mining Act and to fulfill requirements of the Yukon Mining Incentive Program that helped fund the 2010 program. This report on the Simpson Project describes the location, access, history, geological setting, local geology and results from the 2010 geological and geochemical work program. Geochemical work consisted predominantly soil sampling, reconnaissance mapping and prospecting designed to follow-up on previously identified stream sediment geochemical anomalies.

1.1 Location and Access

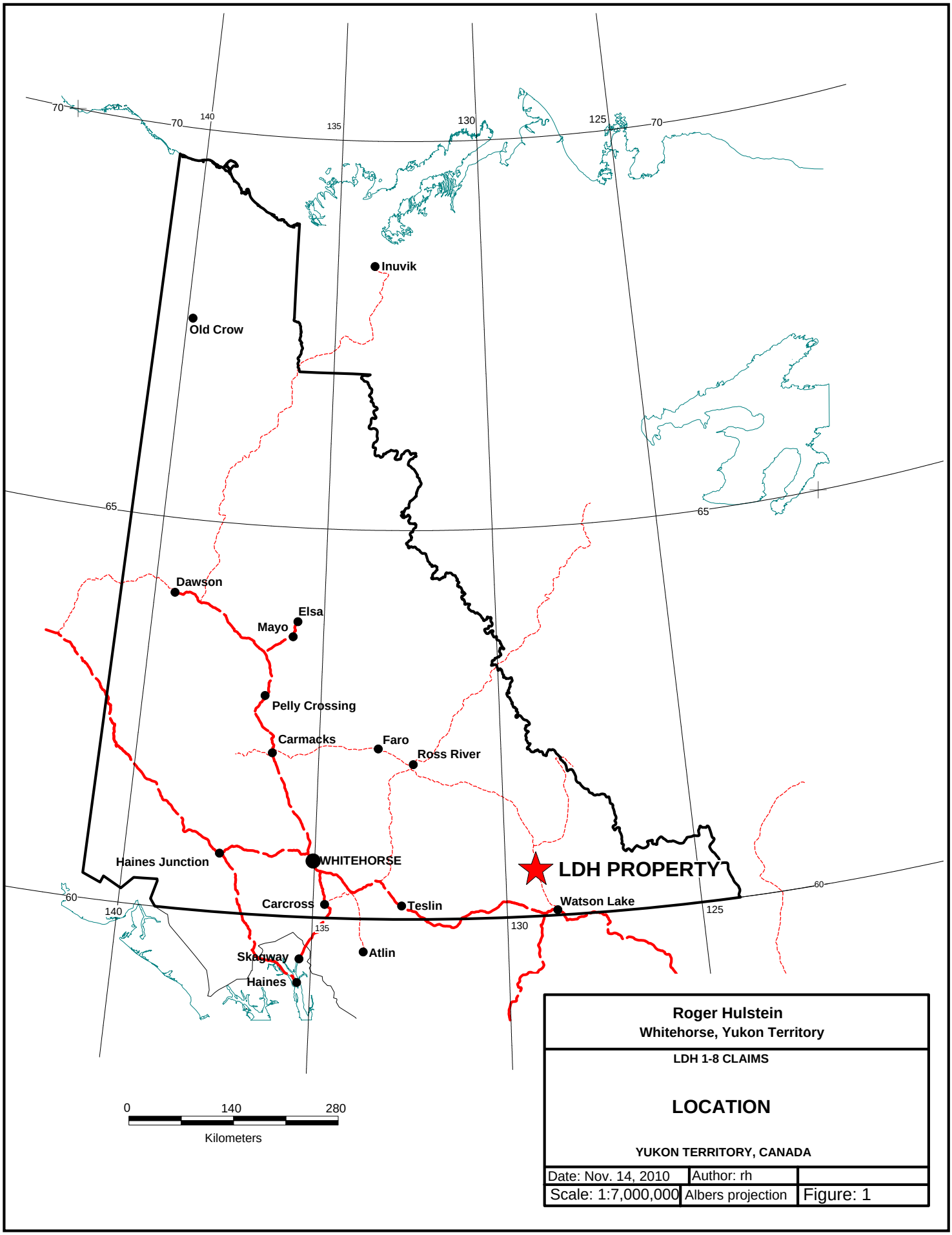
The Simpson Project is located approximately 75km north of Watson Lake, 6 km west of the Robert Campbell highway and 4km southwest of Simpson Lake. It covers a portion of an east-facing slope. The property, comprised of the LDH 1-8 quartz claims, is located on map sheets NTS 105A/11 (Figure 1). Helicopters, generally available for charter in Watson Lake, were not available in 2010 due to forest fires. In 2010 access was gained on foot by 'bushwhacking' from the highway. A camp site was established in a clearing, at the base of a snow avalanche chute, next to the main creek on the west side of the claim group.

1.2 Topography, Vegetation and Climate

Topography in the region is typical of a glaciated area with wide valleys and steep hillsides. Alluvium in the valleys is a combination of regional glacial till, locally derived till and locally derived colluvium and alluvium at higher elevations. Elevation ranges from 2,200 feet in the Frances River Valley to 5454 feet atop the hill to the north of the property. Permafrost is a consideration when soil sampling, especially on north facing slopes.

Rock outcrop in the area is restricted to ridges, small cliffs and creek bottoms. Hill slopes are covered with vegetation to approximately the 4500-5000 foot elevation. Below tree line, vegetation can be generally described as thick.

Climate is characterized by low precipitation and a wide temperature range. Winters are cold and temperatures of $-30^{o}C$ to $-45^{o}C$ are common. Summers are moderately cool with daily highs of $10^{o}C$ to $25^{o}C$. Thunders showers are a common occurrence. Smoke from forest fires can be thick at certain times. The seasonal window for prospecting is from June to mid September.



Roger Hulstein
Whitehorse, Yukon Territory

LDH 1-8 CLAIMS

LOCATION

YUKON TERRITORY, CANADA

Date: Nov. 14, 2010	Author: rh	
Scale: 1:7,000,000	Albers projection	Figure: 1

1.3 History

Prior to 1996 there is no recorded exploration in the project area (Yukon Minfile, 2003). Following the discovery of the Kudz Ze Kayah volcaongenic massive sulfide deposit in 1994, approximately 135km to the northwest of the Simpson Project, the entire Yukon Tanana Terrane was explored for VMS deposits. The Simpson Project area was staked as part of a large Cominco claim block in 1995-1996. Cominco subsequently carried out an airborne EM and magnetic survey (not publicly available) in 1996 along with silt sampling, prospecting and mapping (Bohay, 1997). In 1997 Cominco carried out additional mapping and completed two contour soil sample lines over the known anomalous GSC-RGS sample site (Bannister, 1998). Cominco let the claims lapse after not locating mineralization or explaining the source of the anomalous stream sediment and soil geochemistry,.

In 2004 work the author hiked to the property and staked the LDH 1-6 claims. Due to inclement weather and a lack of time no further work was carried out that year.

The 2005 work program, carried out from September 3 – 6, 2005, consisted of prospecting, reconnaissance geological mapping, stream sediment, soil and rock sampling. Access in 2005 was by helicopter based out of Watson Lake.

1.4 2010 Work Program

The 2010 work program was carried out by Misters Sandro Frizzi (geologist), based in Vancouver, BC, and Max Mikhailytchev (prospector), Based in Dawson City, Yukon, under the direction of the author. Work consisted of soil sampling, prospecting, reconnaissance geological mapping and staking two additional quartz claims (LDH 7&8).

A daily break down of the program consisted of:

August 26, 2010	Prepare gear and drive to Simpson Lake from Whitehorse.
August 27, 2010	Hike to the property, set up camp, prospect around camp.
August 28, 2010	Prospect west side of property, stake LDH 7&8 claims.
August 29, 2010	Soil sample, prospect & map creek bed and side of valley.
August 30, 2010	Soil sample, prospect & map ridges.
August 31, 2010	Hike back to highway, drive to Watson Lake.
Sept. 1, 2010	Prepare data and map, record claims, submit samples.

This report is based on the data supplied by Misters Sandro Frizzi and Max Mikhailytchev which was compiled and interpreted by the author.

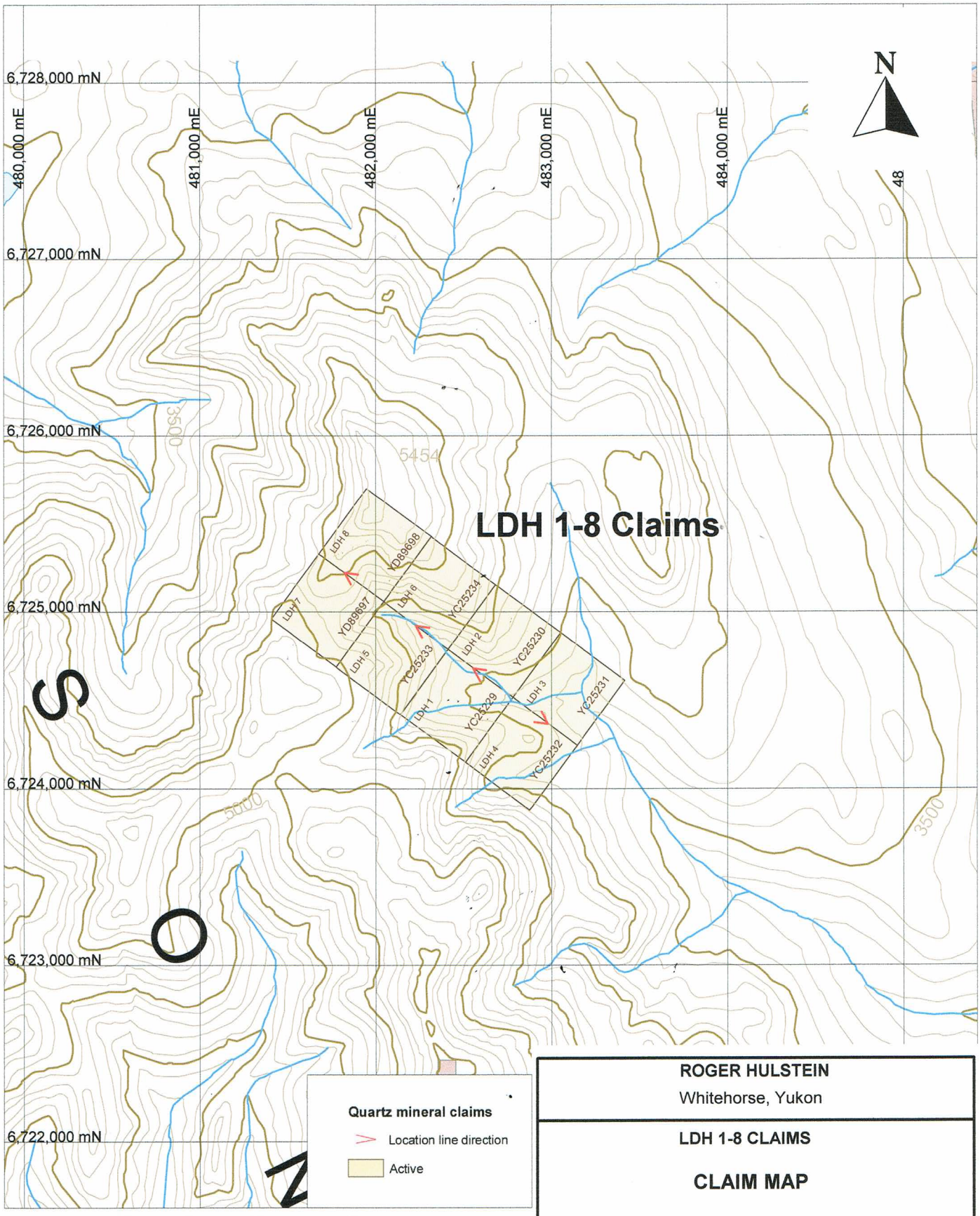
1.5 Claim Status

The Simpson project covers an area of approximately 165 hectares and consists of 8 unsurveyed contiguous two-post Yukon Quartz claims (Figure 2). The LDH 1-6 claims were staked on August 25, 2004, according to the Yukon Quartz Mining Act and are located in the Watson Lake Mining District. All claim posts are tagged. They are shown on claim sheets 105A/11 and are available for viewing at the Watson Lake Mining Recorders Office. The claims listed below (Table 2) are registered in the name of Roger Hulstein.

Table 1. List of Claims

Claim Name	Grant Number	Expiry Date
LDH 1 – LDH 6	YC25229-YC25234	September 7, 2015*
LDH 7 & LDH 8	YD89697 & YD89698	September 1, 2011

* Subject to acceptance of this report.



Source: Yukon Energy Mines and Resources, Mineral Resources Branch (Sept. 23, 2010), UTM DATAM: NAD 27, Zone 9).

ROGER HULSTEIN
Whitehorse, Yukon

LDH 1-8 CLAIMS

CLAIM MAP

YUKON TERRITORY, CANADA

Date: Nov. 4, 2010	Author: RH	NTS: 105A/11
File: Simpson	Scale: 1:30,000	Figure: 2

2.0 REGIONAL GEOLOGY

The property lies within the Finlayson Lake Belt part of the Yukon Tanana Terrane and is underlain by Carboniferous and Permian age rock units belonging to the Money Creek Thrust Sheet (Mortensen and Murphy, 2005). Lithologies underlying the property consist dominantly of an oceanic assemblage of mafic volcanics, ultramafics, chert and pelite, limestone and gabbroic rocks. The geology of the area surrounding the LDH claims is shown on Figure 3.

3.0 PROPERTY GEOLOGY

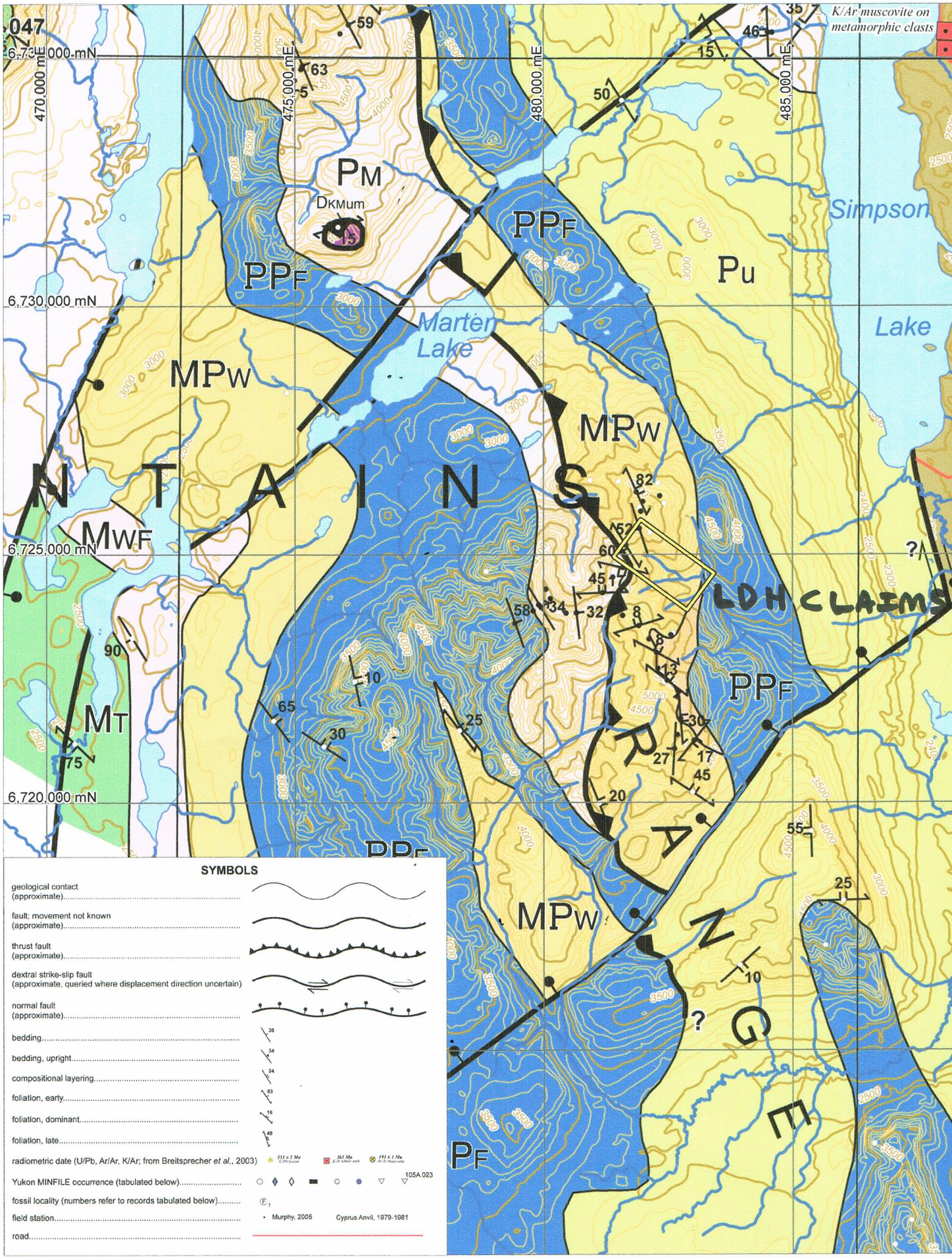
Geological mapping by Sandro Frizzi in 2010, the author in 2005 (Hulstein, 2006) and Cominco (Bannister, 1998 and Bohay, 1997) shows that the property and area is underlain by sedimentary rocks consisting of limestones, chert, mudstone and conglomerates (Figure 4). Faults underlie most of the drainages on the property.

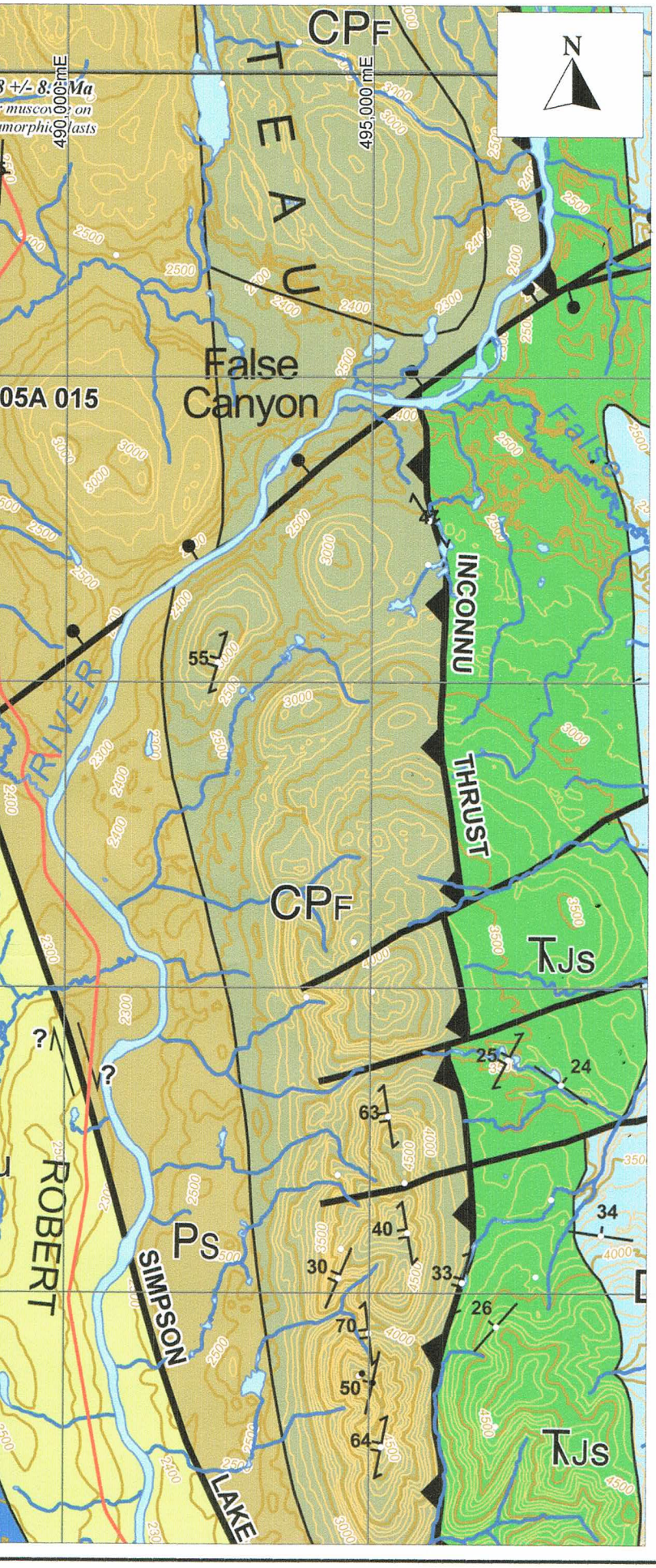
The limestones are marbleized and crystalline and outcrop as a traceable unit for several hundred metres on the NW side of the property. They have a sharp contact with the bounding argillite – phyllite units. Locally the limestones are variably replaced by grey quartz (or chert nodules?). The sedimentary rocks are a variable package of (interbedded?) cherts-mudstones-argillites-siltstones to conglomerates. A sequence of these rocks was mapped by Cominco (Bannister, 1998) just to the SW of the property. The most common siliciclastic lithology is a dark to medium grey to green fine grained mudstone-argillite – phylllite. No primary bedding features were noted.

A metavolcanic unit is found on the NW side of the property, likely bounded by faults in colluvium filled depressions. The protolith is uncertain but may be an andesitic tuff. The grey-green weathering dark green metavolcanic unit is sheared and brecciated and variably chloritic-epidote-hematite altered. Minor quartz veins were noted in float of the above unit. The ferricrete located in North Fork Creek is found directly below this volcanic unit. Float of a volcanic-mudstone breccia was found in the gully marking the west boundary of the metavolcanic unit.

Mapping in 2005 identified a strong NW to north trending structural grain, both as the dominant foliation and as defined by the mapped limestone unit. The common foliation is NW with dips moderately to steeply SW. The chert outcrops are closely fractured and locally brecciated on small discrete faults. This fracturing and brecciation along with almost ‘sheeted’ like quartz veins cutting other siliclastics likely indicate a late stage brittle tectonic event.

Evidence of faulting in North Fork Creek consists of brecciation located at the headwaters and abrupt lithological changes across the creek with greenstone, limestone and mudstone to the northeast and chert to the southwest.


047
6,735,000 mN
6,730,000 mN
6,725,000 mN
6,720,000 mN
470,000 mE
475,000 mE
480,000 mE
485,000 mE
K/Ar muscovite on metamorphic clasts
PM
DKMum
PPF
Pu
Simpson
Lake
Marten Lake
MPw
MWF
MT
PF
LDH CLAIMS
RANGE
MOUNTAINS
?
SYMBOLS
geological contact (approximate)
fault; movement not known (approximate)
thrust fault (approximate)
dextral strike-slip fault (approximate, queried where displacement direction uncertain)
normal fault (approximate)
bedding
bedding, upright
compositional layering
foliation, early
foliation, dominant
foliation, late
radiometric date (U/Pb, Ar/Ar, K/Ar; from Breitsprecher et al., 2003)
Yukon MINFILE occurrence (tabulated below)
105A 023
fossil locality (numbers refer to records tabulated below)
field station
Murphy, 2005
Cyprus Anvil, 1979-1981
road



LEGEND

MONEY CREEK THRUST SHEET

LOWER PERMIAN

Money Creek Formation

PM — undifferentiated medium to dark grey carbonaceous phyllite; grey and lesser green and pink chert; grey quartzite and mottled grey-white chert-pebble conglomerate, chert-quartz wacke and grit

PENNSYLVANIAN-LOWER PERMIAN

Finlayson Creek Limestone

PPF — massive to thickly bedded, light to medium grey, light grey-weathering, locally crinoidal limestone
Pennsylvanian to Early Permian conodonts have been extracted from this unit elsewhere (Murphy *et al., in press*; Orchard, *in press*).

UPPER MISSISSIPPIAN-PENNSYLVANIAN

Pu — undifferentiated King Arctic and White Lake formations

PENNSYLVANIAN

King Arctic Formation (Devine, 2005)

PKA — undifferentiated green to pale grey, fine- to medium-grained lithic arenite, quartz wacke and chert-pebble conglomerate; dark grey argillite; chloritic phyllite (mafic to intermediate meta-volcanic rocks)

UPPER MISSISSIPPIAN-LOWER PENNSYLVANIAN

White Lake Formation (Devine, 2005)

MPW — undifferentiated green and locally pink, locally magnetite-bearing chert; fine-grained lithic wacke and siltstone; and white to grey locally sandy and crinoidal limestone
Greenstone, dark phyllite and limestone and chert-pebble conglomerate occur locally.
Conodonts of Serpukhovian age have been extracted from this unit elsewhere (Murphy *et al., in press*; Orchard, *in press*).

UPPER MISSISSIPPIAN

Whitefish Limestone

MWF — massive to thickly bedded, light to medium grey, light grey-weathering, locally crinoidal limestone
Conodonts of Serpukhovian age have been extracted from this unit elsewhere (Murphy *et al., in press*; Orchard, *in press*).

LOWER MISSISSIPPIAN

Tuchitua River Formation

MT — variably foliated and massive, pale green, tan and maroon crystal-lithic tuff breccia; massive pistacchio-green quartz- and feldspar-phyric meta-rhyolite; local accumulations of green chert- and phyllite-clast conglomerate and grit near base
Early Mississippian U-Pb ages have been determined for this unit elsewhere (Mortensen, 1992; Murphy *et al., in press*).

SLIDE MOUNTAIN TERRANE

UPPER MIDDLE-UPPER PERMIAN

Simpson Lake Group

PS — red-brown to pale green matrix- and framework-supported polymictic conglomerate, pale green sandstone, dark grey siltstone and shale, basalt and felsic volcanic rocks
Conglomerate clasts include porphyritic basalt, aphyric massive basalt, chloritic phyllite, quartz-mica phyllite, siliceous carbonaceous phyllite, carbonate, white quartz, chert, serpentinite, blueschist and eclogite (Mortensen et al., 1999; Murphy et al., in press). Middle to Late Permian U-Pb zircon ages have been determined for felsic volcanic rocks of this unit (Mortensen et al., 1999).

CARBONIFEROUS (AND OLDER?)-PERMIAN

Fortin Creek Group

CPF — variably foliated, matte green and grey, ribbon-bedded to massive chert; medium to dark grey and lesser green and pink shale or phyllite; quartzofeldspathic sandstone, grit and conglomerate and chert-quartz sandstone, grit and conglomerate

NORTH AMERICAN CONTINENTAL MARGIN SEQUENCE

MIDDLE-UPPER TRIASSIC

Jones Lake Formation (Gordey and Anderson, 1993)

TJS — dark brown- and grey-weathering, greenish-brown to grey, detrital mica-bearing calcareous shale, siltstone, sandstone and silty limestone

Reference:

MORTENSEN, J.K. and MURPHY, D.C. (compilers), 2005. Bedrock geological map of part of Watson Lake area (all or part of NTS 105A/2, 3, 5, 6, 7, 10, 11, 12, 13, 14), southeastern Yukon (1:150 000 scale). Yukon Geological Survey, Open File 2005-10

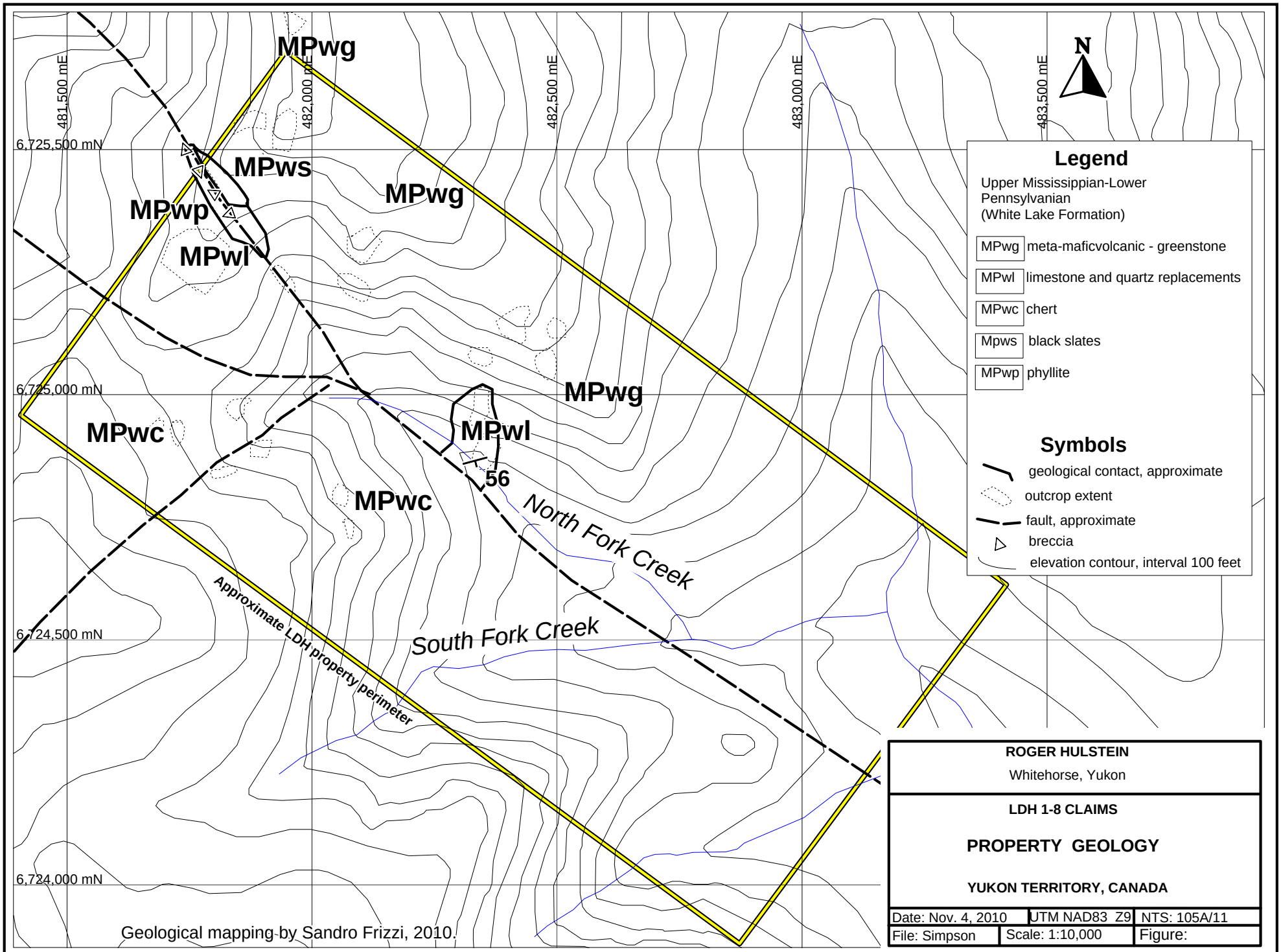
ROGER HULSTEIN
Whitehorse, Yukon

LDH 1-8 CLAIMS

PROPERTY GEOLOGY

YUKON TERRITORY, CANADA

Date: March 28, 2010	Author: RH	NTS: 105A/11
File: Simpson	Scale: 1:100,000	Figure: 3



ROGER HULSTEIN

Whitehorse, Yukon

LDH 1-8 CLAIMS

PROPERTY GEOLOGY

YUKON TERRITORY, CANADA

Date: Nov. 4, 2010	UTM NAD83 Z9	NTS: 105A/11
File: Simpson	Scale: 1:10,000	Figure:

3.1 Alteration and Mineralization

A number of mineral deposit models can be invoked to explain the source of the soil and stream sediment geochemical anomalies including volcanogenic massive sulfide, skarn and polymetallic vein deposit models.

No alteration or mineralization has been located on the property to date. Four days of prospecting in 2010 located only insignificant iron oxide stains and as a result no rock samples were submitted for geochemical analysis. Large outcroppings of fractured chert on the southwest side of the property are cross cut by quartz veinlets but rock and soil sampling in 2005 and prospecting in 2010 did not locate mineralization.

Breccia associated with faulting at the headwaters of North Fork Creek is related to scattered soil geochemical anomalies (see ‘ 4.2 2010 Geochemistry’ below).

A small section of fericrete noted near the headwaters of North Fork Creek (Hulstein, 2006) consisted of chert and siltstone fragments cemented by iron oxide. The ferricrete is likely developed in response to acid waters that oxidize the pyrite in the cherts – mudstones and siltstones and carry the iron and precipitate it when they mix with higher ph waters draining the limestones. A thin discontinuous white precipitate was noted on boulders in the creek downsteam of the ferricrete for several hundred metres.

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4.0 GEOCHEMISTRY

4.1 Previous Geochemistry

The property covers a geochemical stream sediment anomaly first detected by the Geological Survey of Canada (GSC) during a helicopter supported regional geochemical survey (RGS). Cominco Ltd. followed up on this single sample (sample number 105A951120) anomaly, plotted downstream of the junction of the north and south creek forks, in 1996 and 1997 with additional stream sediment samples and soil samples. The author did the same in 2005.

The GSC sample 105A951120 returned a multi-element suite of anomalous elements including; 66 ppb Au, 2.1 ppm Ag, 160 ppm As, 1090 ppm Cu, 70 ppm Ni, 110 ppm Pb and 550 ppm Zn. The sample appears to be misplotted as there is no nearby helicopter landing site at the plotted location. The nearest location suitable for a helicopter landing site is the clearing utilized for the camp site where coincidentally the Cominco and authors' stream sediment samples also returned anomalous values. Comino stream sediment samples near and at the plotted sample site of GSC sample 105A951120 returned low values. Flagging tape marking the Cominco's stream sediment sample locations were clearly visible in 2004.

Cominco's 1996 work (Bohay, 1997) consisting primarily of 77 stream sediment samples in the area, confirmed and defined the GSC – RGS anomaly. Five of these samples, collected upstream of the GSC – RGS sample, from the North and South Forks, returned up to 1.0 ppm Ag, 208 ppm As, 2437 ppm Cu, 77 ppm Ni, 110 ppm Pb and 656 ppm Zn. Cominco's samples returned gold values of <1 ppm, indicating gold was only analyzed by ICP (detection limit 1 ppm) and not by a specific technique. Copper results indicate both the North and South Forks (samples 299870, 299868 – South Fork; 299872 – North Fork) are anomalous with values up to 659 ppm and 2439 ppm respectively. Cominco also reported anomalous values for Pb, Zn and As from both North and South Forks.

Cominco's 1997 soil sampling program consisted of two contour soil lines of close spaced (50m?) soil samples. This sampling yielded one highly anomalous sample (359978) of 0.2 ppm Ag, 122 ppm As, 384 ppm Cu, 34 ppm Pb and 340 ppm Zn. Gold values were not reported. The sample site was searched for in 2005 without success although other sample flags were found in areas not shown as sampled and labeled with numbers not described by Bannister (1998) or Bohay (1997). Soil type in the area where sample 359978 is plotted consisted of glacial till and reworked till.

In 2005 a total of 2 rock samples, seven stream sediment and 38 soil samples were collected on or very near the property (Hulstein, 2006). The two rock samples returned low values for all elements. The seven stream sediment samples confirmed the Au-Ag-As-Cu-Pb-Zn anomaly in the North Fork Creek (up

to 44 ppm Au, 1.4 ppm Ag, 149 pm As, 1340 ppm Cu 102 ppm Pb and 504 ppm Zn). The one sample from the South Fork returned lower values for Au-Ag-As-Cu-Pb-Zn although in contrast the Cominco stream sediment samples above and below the 2005 sample returned anomalous values for most of the suite including up to; 116 ppm As, 659 ppm Cu, 38 ppm Pb and 656 ppm Zn.

4.2 2010 Geochemistry

In 2010 a total of 40 soil samples were collected by 'Dutch auger' from or near the property in an attempt to follow up on previous anomalous geochemical results from stream sediment and soil samples (Figure 5). Results for gold from previous sampling by the author, merged with 2010 data, are shown on Figure 5 (inset) and for Cu, Pb, Zn and As on Figure 6.

Samples in 2010 were submitted to Acme Analytical Laboratories Inc.'s Whitehorse prep facility followed by analysis at their Vancouver laboratory. Soil samples were sieved to -80 mesh and a 15 gram sub-sample was digested by Aqua Regia and analyzed for 37 elements by ICP mass spectrometer (Acme package 1F05). Sample numbers, locations, results and descriptive statistics are presented in Appendix A. Certificates of analysis with a more complete description of sample preparation, analytical procedures and complete analytical results are attached as Appendix B.

Soil samples were collected approximately parallel to elevation contours and on ridge tops with a variable sample spacing of 50 to 100m depending on the terrain and sample media. Glacial till and glaciofluvial material was avoided and not sampled where identified.

Analytical results from the 2010 soil samples returned scattered anomalous values for Au-Ag-As-Cu-Pb-Zn, the main elements of interest. The highest gold value at 77 ppb from sample MS-005, collected at the upper junction in North Fork Creek also contained 94 ppm Cu, 393 ppm Zn, 1.1 gpt Ag, 6.4 ppm Sb and 288 ppm As. Two samples located nearby, MS-006 and 010 returned 14.8 ppb and 32.1 ppb Au respectively plus anomalous values for Ag, Cu, Pb, Zn, Sb and As. All three samples lie along a northeast trending creek gully which is underlain by a mapped fault of unknown orientation. This area has the highest concentration of anomalous values on the property.

N

481,500 mE

482,000 mE

482,500 mE

6,725,500 mN

6,725,000 mN

6,724,500 mN

MPws

MPwg

MPwp

MPwl

MPwc

56

MS-001 MS-002 MS-003 MS-004 MS-005 MS-006 MS-007 MS-008 MS-009 MS-010 MS-011 MS-012 MS-013 MS-014 MS-015 MS-016 MS-017 MS-018 MS-019 MS-020 MS-021 MS-022 MS-023 MS-024 MS-025 MS-026 MS-027 MS-028 MS-029 MS-030 MS-031 MS-032 MS-033 MS-034 MS-035 MS-036 MS-037 MS-038 MS-039 MS-040

2005 & 2010 Soil Samples

Percentiles for: Au (ppb)

0.7	=< 2.7	[<30%]	(23)
2.7	=< 5	[30<60%]	(15)
5	=< 7	[60<80%]	(22)
7	=< 10	[80<90%]	(10)
10	=< 17	[90<95%]	(4)
17	=< 32.1	[95<98%]	(2)
32.1	=< 77.7	[98<99%]	(1)
77.7	=< 77.7	[99% +]	(1)

2010 Soil Samples

Percentiles for: Au (ppb)

0.7	=< 2.1	[<30%]	(10)
2.1	=< 4	[30<60%]	(13)
4	=< 6	[60<80%]	(8)
6	=< 12.5	[80<90%]	(4)
12.5	=< 24	[90<95%]	(2)
24	=< 77.7	[95<98%]	(2)
77.7	=< 77.7	[98<99%]	(1)
77.7	=< 77.7	[99% +]	(0)

ROGER HULSTEIN

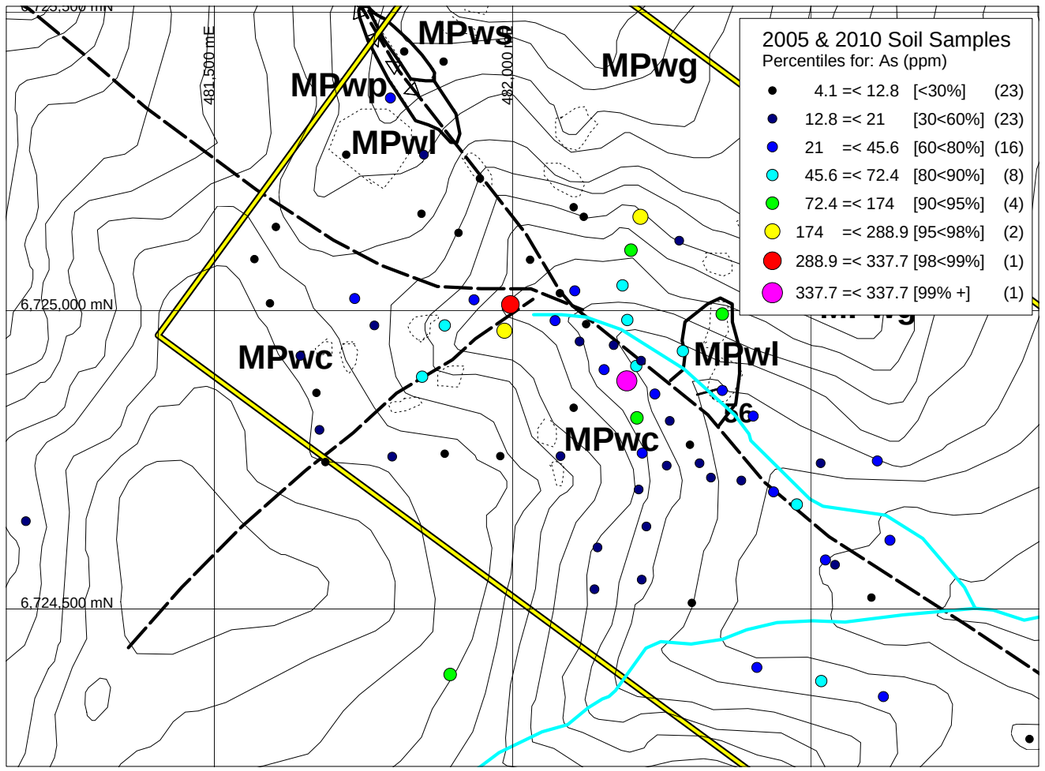
Whitehorse, Yukon

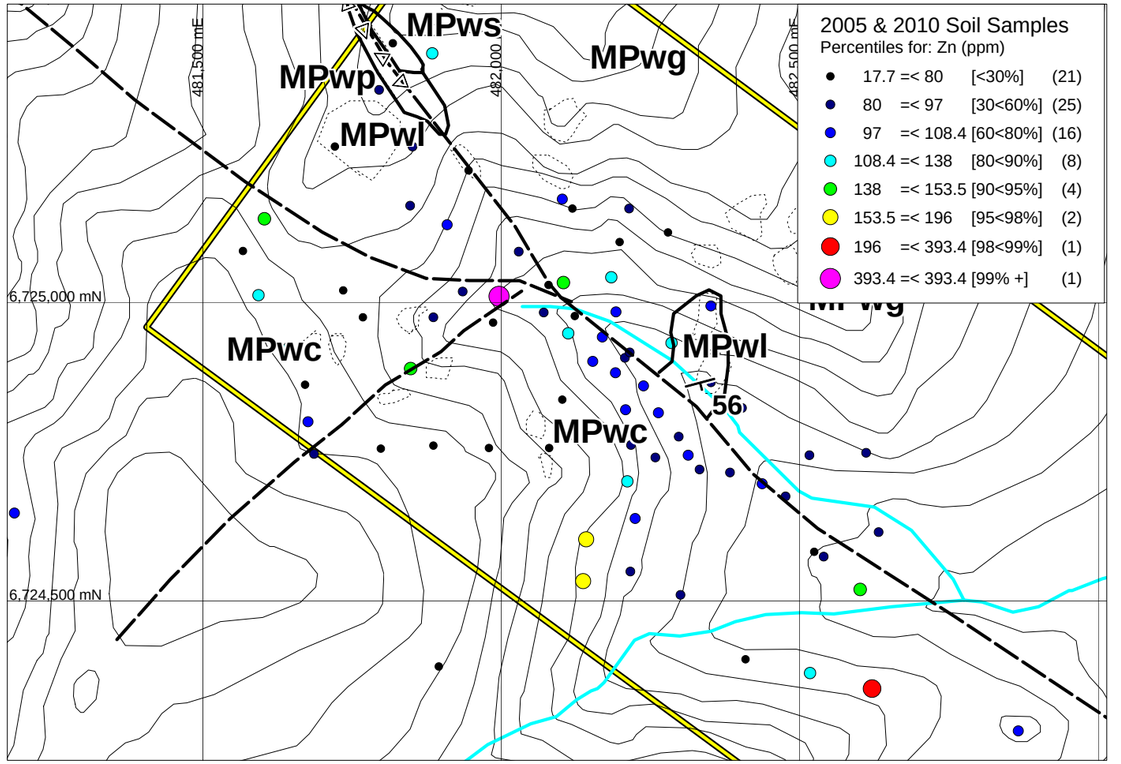
LDH 1-8 CLAIMS

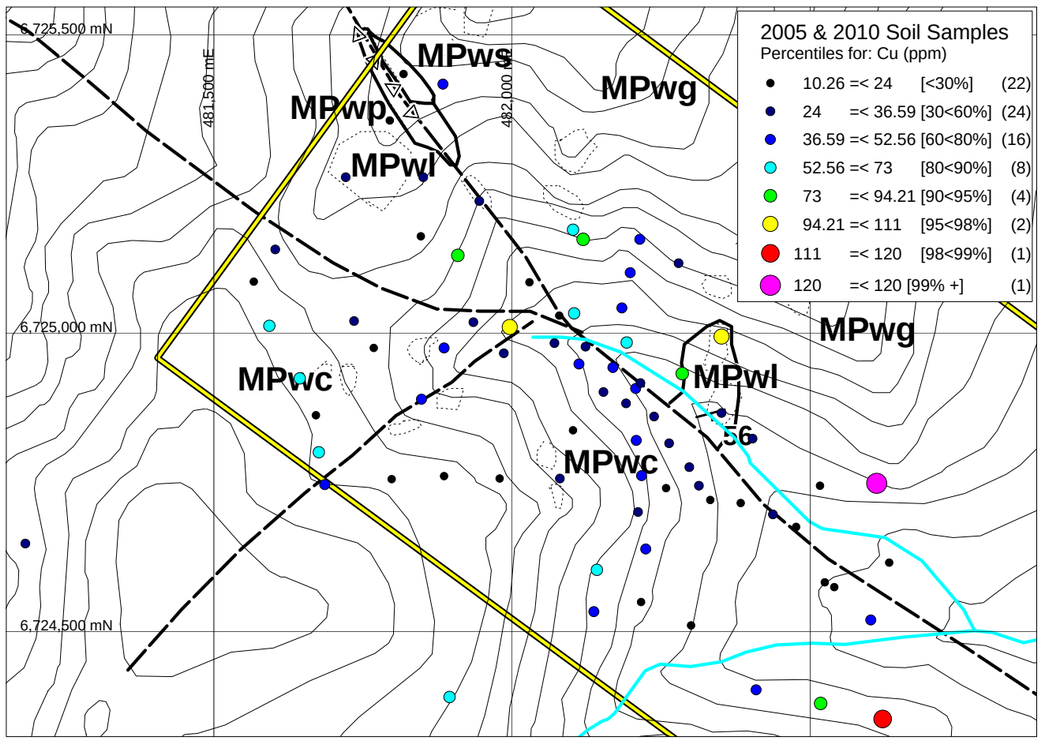
2010 GOLD GEOCHEMISTRY & SAMPLE NUMBERS

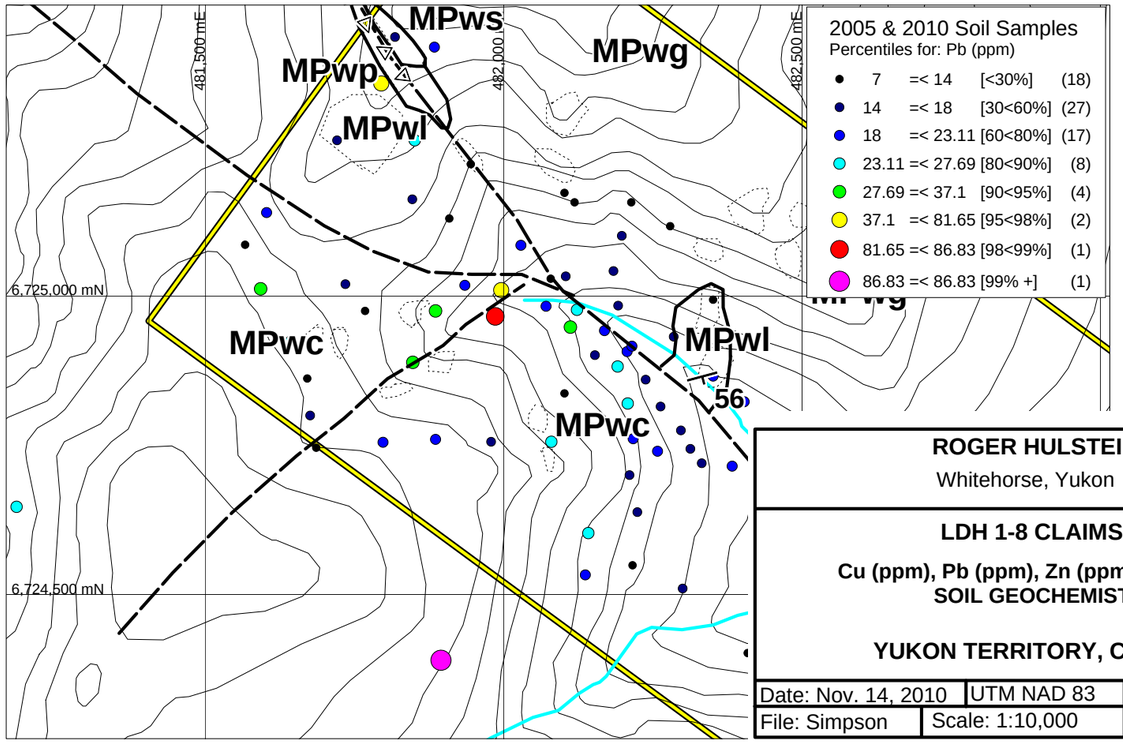
YUKON TERRITORY, CANADA

Date: Nov. 14, 2010	UTM NAD 83	NTS: 105A/11
File: Simpson	Scale: 1:5,000	Figure: 5









N

ROGER HULSTEIN
Whitehorse, Yukon

LDH 1-8 CLAIMS

Cu (ppm), Pb (ppm), Zn (ppm) , As (ppm)
SOIL GEOCHEMISTRY

YUKON TERRITORY, CANADA

Date: Nov. 14, 2010	UTM NAD 83	NTS: 105A/11
File: Simpson	Scale: 1:10,000	Figure: 6

5.0 GEOPHYSICS

The Geological Survey of Canada has flown a regional (1/2 mile line spacing) aeromagnetic survey over the area. Results show a northwest trend. The first vertical derivative of the total magnetic field shows the property to be over a magnetic high with a discrete magnetic high core. Variations in the magnetic intensity are likely due to lithology. The aeromagnetic survey results are too coarse to help with exploration targeting on the property.

5.0 STATEMENT OF COSTS

The following costs were incurred during the period August 26, 2010 – September 1, 2010.

LDH 1-6 Claims, 2010 Statement of Costs	
Field Expenses, August 26, 2010 - September 1, 2010	
Max Mikhailytchev, soil sampler;	$3,000.00
Sandro Frizzi, geologist;	$3,000.00
Analytical Expenses	
Geochemistry (Acme Analytical); 40 soil samples;	$1,294.86
Report and Reprographics	
R. Hulstein, report preparation, 2 days @ $500/day;	$1,000.00
Total	**$8,294.86**

Respectively submitted,

November 30, 2010 Roger Hulstein, B.Sc., P.Geo.

6.0 CONCLUSIONS AND RECOMENDATIONS

The 2010 exploration program was designed to follow-up on the anomalous stream sediment and soil samples collected in the 1990's and in 2005. The 2010 program consisted of prospecting, reconnaissance geological mapping and soil sampling. Prospecting did not locate any mineralization or significant alteration in the underlying metavolcanics, limestones, cherts, slates and phyllites. Geological mapping located a through going NW trending fault that underlies North Fork Creek. Stream sediment samples from this creek returned significant anomalous values for Au, Cu, Pb, Zn and As.

Soil sampling at the headwaters of North Fork Creek returned anomalous values for gold (<77.7 ppb), silver (<1390 ppb), copper (<94 ppm), lead (<81.65 ppm), zinc (<393.4 ppm), antimony (<6.46 ppm) and arsenic (<288.9 ppm) from a number of samples. These anomalous values cluster around a northeast trending fault that intersects the northwest trending fault in North Fork Creek.

Soil sampling in 2010 confirmed the highly anomalous nature of the upper drainage basin of North Fork Creek. Further work is required to determine the source(s) of the soil sample anomalies and previously identified stream sediment anomalies. Further work should consist of geological mapping of the hillsides and ridges surrounding the drainage basin. Additional stream sediment silt sampling is required to determine anomaly cutoffs and additional soil sampling to determine the size and extent of anomalous areas.

Additional exploration plans, including trenching, geophysics and drilling, are dependant on the results of the above recommended work.

Respectfully submitted,

November 30, 2010 Roger Hulstein, B.Sc., P.Geo.

7.0 STATEMENT OF QUALIFICATIONS

I, Roger W. Hulstein, of:

106 Wilson Drive.
Whitehorse, Yukon Territory
Y1A 0C9,

do hereby certify that:;

1. I am a mineral exploration geologist with over 25 years of experience working in the Yukon.

2. I am a graduate of Saint Mary's University, Halifax, with a degree in geology (B.Sc., 1981) and have been involved in geology and mineral exploration continuously since 1978.

3. I am a fellow of the Geological Association of Canada (F3572).

4. I am registered as a professional geoscientist (No. 19127) with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

5. I am the author of this report on the Simpson Project located in the Watson Lake District, Yukon. The report is based on personal examination of the ground on August 25, 2004, August 3-6, 2005, written reports by Misters Sandro Frizzi and Max Mikhailytchev and on referenced sources.

Roger Hulstein, B.Sc., FGAC, P.Geo.

November 30, 2010

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APPENDIX A

Sample Numbers, Locations, Results
& Descriptive Statistics

Sample_No.	NAD83	Zone	Easting	Northing	Type	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
MS-001	NAD83	Zone-9	482169	6724942	Soil	2.11	44.88	20.67	108.3	435	28.6	16.7	795	2.76	13.4
MS-002	NAD83	Zone-9	482123	6724977	Soil	4.39	32.41	26.33	76.6	302	23.6	15.6	609	4.02	8.8
MS-003	NAD83	Zone-9	482079	6725029	Soil	1.06	23.09	9.53	45.3	216	10.1	5.1	566	1.65	5.5
MS-004	NAD83	Zone-9	482029	6725085	Soil	1.25	22.07	21.87	95.3	131	16.8	8.4	502	3.36	11.3
MS-005	NAD83	Zone-9	481996	6725010	Soil	4.12	94.21	37.1	393.4	1171	77.3	33.1	1362	5.23	288.9
MS-006	NAD83	Zone-9	481986	6724966	Soil	9.08	31.47	81.65	28.6	1390	15	2.6	188	2.47	273.3
MS-007	NAD83	Zone-9	481935	6725018	Soil	1.87	30.02	20.09	90.4	361	24.3	9.7	553	2.99	21.7
MS-008	NAD83	Zone-9	481886	6724975	Soil	6.74	49.81	27.69	80.4	774	22.8	9.2	783	3.95	45.6
MS-009	NAD83	Zone-9	481895	6724390	Soil	8.61	52.56	86.83	43.4	1608	17.9	4.4	244	3.52	122.4
MS-010	NAD83	Zone-9	481848	6724889	Soil	1.98	50.94	33.58	150.1	676	37.4	12.8	652	3	46.6
MS-011	NAD83	Zone-9	481768	6724975	Soil	1.35	23.48	12.2	40.4	357	12.9	4.2	273	1.59	13.5
MS-012	NAD83	Zone-9	481735	6725020	Soil	1.63	34.08	16.72	71.7	274	34.9	12.9	636	3.71	32
MS-013	NAD83	Zone-9	481847	6725162	Soil	1.58	23.79	17.93	86.8	134	27.2	9.2	1619	3.31	10.4
MS-014	NAD83	Zone-9	481851	6725261	Soil	2.04	27.41	26.68	87.9	635	18.6	10.4	428	2.94	17.7
MS-015	NAD83	Zone-9	481884	6725417	Soil	1.51	38.27	20.54	117.4	365	31.5	6.9	518	2.33	7.6
MS-016	NAD83	Zone-9	481818	6725434	Soil	0.98	10.26	14.59	53	305	17.6	6.7	274	2.31	9.2
MS-017	NAD83	Zone-9	481795	6725356	Soil	1.8	18.62	41.79	81.3	281	21.9	10.2	891	2.95	26.6
MS-018	NAD83	Zone-9	481721	6725261	Soil	1.19	32.5	15.25	75.2	49	34.8	9.2	1126	2.27	8.2
MS-019	NAD83	Zone-9	481603	6725140	Soil	1.92	31.3	18.97	149.3	337	44.3	13.8	1000	3.64	9.8
MS-020	NAD83	Zone-9	481567	6725086	Soil	0.97	21.82	8.87	33.3	74	14.3	4.6	179	1.84	4.1
MS-021	NAD83	Zone-9	481593	6725012	Soil	3.31	71.17	32.09	108.4	466	21.7	10.5	653	2.36	10.5
MS-022	NAD83	Zone-9	481644	6724924	Soil	2.33	59.23	24.67	109.8	165	39.7	27.8	1480	4.17	12.8
MS-023	NAD83	Zone-9	481671	6724862	Soil	1.52	19.27	11.84	50.5	239	17.4	5.4	246	1.5	6.6
MS-024	NAD83	Zone-9	481676	6724800	Soil	2.9	54.75	14.55	106.5	462	34.5	9.6	420	3.18	13.8
MS-025	NAD83	Zone-9	481686	6724746	Soil	2.35	36.59	12.34	85.1	361	30.5	8.7	401	2.72	11.1
MS-026	NAD83	Zone-9	481798	6724755	Soil	1.36	20.57	21.79	74.1	70	25.2	13.5	589	3.01	15.5
MS-027	NAD83	Zone-9	481886	6724760	Soil	1.45	14.77	21.19	66.1	1361	20.7	9.5	493	3.14	11.7
MS-028	NAD83	Zone-9	481979	6724756	Soil	1.24	17.09	16.04	70.1	309	19.4	6.9	312	3	12
MS-029	NAD83	Zone-9	482080	6724756	Soil	1.58	27.2	23.11	71.8	186	25.5	8.1	383	2.92	18.1
MS-030	NAD83	Zone-9	482102	6724837	Soil	1.45	19.36	8.17	17.7	389	11.1	1.2	47	0.82	8.1
MS-031	NAD83	Zone-9	482191	6724882	Soil	1.84	31.88	24.91	98.6	313	25.2	15.1	642	4.18	337.7
MS-032	NAD83	Zone-9	482208	6724820	Soil	1.85	48.12	24.5	101.3	215	35.4	17.9	1039	3.6	77.4
MS-033	NAD83	Zone-9	482217	6724761	Soil	2.13	37.46	22.97	87.4	279	23.6	9.8	575	4.31	23.9
MS-034	NAD83	Zone-9	482211	6724700	Soil	1.45	27.73	15.69	110.8	136	25.2	8.5	494	2.96	17.1
MS-035	NAD83	Zone-9	481184	6724647	Soil	1.8	31.08	24.34	99.3	218	29.7	11	643	3.9	20.9
MS-036	NAD83	Zone-9	482142	6724603	Soil	2.47	60.89	23.95	153.5	296	47.5	19	703	4.25	20.2
MS-037	NAD83	Zone-9	482137	6724533	Soil	2.19	41.61	22.92	162.1	371	44.7	16.6	550	4.32	12.9
MS-038	NAD83	Zone-9	482184	6725042	Soil	1.85	44.84	16.53	122.2	332	30.9	14.8	811	3.8	50.3
MS-039	NAD83	Zone-9	482198	6725101	Soil	1.61	39.04	17.16	79.9	212	26.7	11.3	762	3.52	72.4
MS-040	NAD83	Zone-9	482119	6725157	Soil	0.99	77.58	13.46	71.7	130	17.2	14.8	1084	3.76	10.5

Sample_No.	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti
MS-001	1	2.5	1.5	19.8	0.25	0.98	0.22	36	0.31	0.053	14.8	24.3	0.7	387.7	0.067
MS-002	0.7	2.1	1.4	15	0.17	1.42	0.17	47	0.14	0.07	9.7	24.8	1.09	64.2	0.151
MS-003	0.4	3.4	0.1	9.4	0.22	0.81	0.11	29	0.11	0.088	4.9	13.4	0.25	140.3	0.013
MS-004	0.5	2.1	0.5	12	0.38	0.8	0.34	41	0.1	0.066	11.9	19.2	0.72	160.3	0.021
MS-005	1	77.7	0.5	20.3	0.45	6.46	0.25	24	0.07	0.111	12.2	24.6	0.15	81.1	0.01
MS-006	1.7	14.8	0.6	32.1	0.2	3.65	0.4	23	0.03	0.113	27.3	26.8	0.1	295.1	0.004
MS-007	0.6	6	0.9	13.6	0.38	1.01	0.29	35	0.07	0.063	12	28.7	0.56	155.2	0.01
MS-008	0.7	4.3	1	15.8	0.37	2.85	0.35	66	0.1	0.083	18.8	41.1	0.54	313.1	0.039
MS-009	3	24	2.5	75.1	0.19	5.07	0.51	28	0.12	0.133	42.5	22.5	0.15	312.6	0.009
MS-010	1.6	32.1	0.8	11.2	0.68	1.2	0.34	48	0.17	0.081	20.5	45.1	0.64	328.2	0.025
MS-011	0.7	0.9	0.1	10.1	0.25	0.61	0.27	31	0.13	0.095	9.5	24.5	0.15	158.9	0.009
MS-012	0.6	4.2	1.8	9	0.4	1.19	0.21	74	0.2	0.052	11.6	51	0.86	178.1	0.111
MS-013	0.4	1.4	0.5	4.2	0.35	1	0.25	36	0.03	0.093	10.9	24.5	0.66	132.5	0.014
MS-014	0.9	4.8	0.5	15.4	0.21	1.22	0.36	32	0.06	0.06	20.9	25.1	0.53	160.7	0.013
MS-015	1.4	2	0.1	9.6	0.76	0.71	0.31	28	0.07	0.125	14.8	26.1	0.61	126.8	0.011
MS-016	0.7	1.9	1.6	8.9	0.11	0.48	0.32	32	0.1	0.042	13.7	21.9	0.43	186.1	0.014
MS-017	0.6	2.7	1	10.9	0.24	1.38	0.38	31	0.12	0.08	14.5	26.9	0.49	176.1	0.013
MS-018	0.6	0.7	1.7	6.8	0.23	0.53	0.28	21	0.11	0.078	23.4	24.1	0.42	382.8	0.006
MS-019	0.6	2.4	0.9	12.8	0.35	3.58	0.22	77	0.36	0.08	11.9	74.3	1.47	581.8	0.077
MS-020	0.4	0.9	1.1	8.1	0.22	0.48	0.2	54	0.26	0.036	10.1	23.8	0.3	163.8	0.079
MS-021	1.3	3.3	0.3	17.1	0.52	1.69	0.44	39	0.26	0.095	16.9	29.6	0.27	509.1	0.014
MS-022	1.1	10	1.1	11.3	1.13	1.17	0.42	88	0.23	0.105	15.3	43.8	0.85	287.2	0.068
MS-023	0.6	1.5	0.7	11.3	0.15	0.71	0.22	36	0.2	0.05	19.8	22	0.25	263	0.016
MS-024	1.3	5.4	2.9	20.3	0.41	1.74	0.27	52	0.16	0.089	23.3	35.9	0.61	763.6	0.024
MS-025	1.2	3.8	0.7	10.6	0.33	1.09	0.26	45	0.09	0.093	19.5	38.2	0.52	245	0.02
MS-026	0.7	1.6	2.6	9.9	0.18	0.85	0.48	33	0.22	0.058	19.1	24.2	0.53	278.8	0.017
MS-027	0.7	2.7	1.8	6.4	0.33	0.78	0.37	45	0.08	0.068	14.1	28	0.37	153.6	0.023
MS-028	0.6	1.2	2.3	7.3	0.23	0.74	0.33	39	0.1	0.072	19	24	0.4	176.7	0.022
MS-029	0.7	3.8	2.4	8.9	0.16	1.22	0.3	31	0.07	0.065	17.6	25.3	0.39	126.8	0.018
MS-030	0.4	0.8	0.2	5.3	0.13	0.49	0.16	14	0.02	0.045	9	17.2	0.04	70.3	0.006
MS-031	0.9	2.4	3.2	15.3	0.16	1.54	0.3	48	0.15	0.065	22.9	38.2	1.07	485.6	0.06
MS-032	1.1	4.4	1.7	19.9	0.24	0.99	0.23	38	0.26	0.07	23	31.5	1.1	420	0.047
MS-033	0.6	2.7	2.1	12.6	0.12	1.34	0.24	41	0.11	0.07	11.4	25.7	1.24	141.7	0.075
MS-034	0.6	12.5	1.9	11.6	0.13	0.81	0.28	41	0.15	0.04	15.5	24.7	0.62	157.9	0.022
MS-035	0.6	8.9	2.4	12.9	0.31	1.19	0.31	44	0.16	0.049	14.8	35.9	0.77	154.7	0.054
MS-036	1.3	8.7	2.8	13.3	0.48	2.09	0.34	52	0.18	0.087	25.8	45.8	0.8	397.2	0.031
MS-037	0.7	4.4	4.3	9.7	0.51	1.46	0.34	60	0.16	0.085	21.5	60	0.84	258.7	0.036
MS-038	0.6	3.5	0.8	13.4	0.61	3.6	0.28	68	0.13	0.079	15.4	32.6	0.7	233.2	0.033
MS-039	0.7	4.7	0.7	21.8	0.39	1.65	0.32	57	0.26	0.069	14.1	32.5	0.55	419.9	0.02
MS-040	0.4	4	0.9	20.1	0.24	0.79	0.22	75	0.35	0.061	12.4	20.3	0.92	723.5	0.059

Sample_No.	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
MS-001	2	1.64	0.007	0.06	0.2	2.5	0.09	0.04	73	0.7	0.1	4.5	0.79	0.1	0.03
MS-002	2	2.04	0.01	0.04	0.1	3.1	0.1	0.06	171	0.9	0.04	5.3	0.76	0.1	0.09
MS-003	1	0.68	0.015	0.04	0.1	0.5	0.04	0.04	67	0.3	0.04	2.7	0.73	0.1	0.02
MS-004	1	1.55	0.007	0.06	0.1	1.3	0.08	0.03	48	0.6	0.1	5	0.97	0.1	0.02
MS-005	2	1.44	0.005	0.05	0.1	1.4	0.16	0.06	101	1.3	0.14	2.5	0.51	0.1	0.02
MS-006	1	0.64	0.009	0.17	0.1	0.4	0.5	0.34	176	1.7	0.18	2.7	0.73	0.1	0.02
MS-007	1	1.45	0.007	0.08	0.1	1.2	0.1	0.07	43	0.7	0.05	4.1	0.79	0.1	0.02
MS-008	1	1.67	0.007	0.13	0.1	2.3	0.32	0.19	72	1.1	0.21	6	1.01	0.1	0.02
MS-009	1	0.64	0.008	0.32	0.1	1.4	1.06	0.69	573	2.7	0.29	3.1	0.99	0.1	0.02
MS-010	3	1.78	0.006	0.08	0.1	2.9	0.23	0.05	247	1.1	0.09	5.6	1.46	0.1	0.02
MS-011	1	0.86	0.01	0.05	0.1	0.4	0.14	0.08	55	0.8	0.05	3.5	0.87	0.1	0.02
MS-012	3	1.84	0.006	0.07	0.2	2.9	0.12	0.09	48	0.9	0.06	6	1.08	0.1	0.03
MS-013	1	1.61	0.003	0.05	0.2	1.2	0.08	0.02	17	0.6	0.1	5.3	0.77	0.1	0.02
MS-014	1	1.49	0.005	0.06	0.2	0.9	0.14	0.06	33	1.1	0.14	4.6	1.64	0.1	0.02
MS-015	1	1.66	0.006	0.05	0.1	0.5	0.11	0.09	71	0.7	0.1	4.4	1.23	0.1	0.02
MS-016	1	1.46	0.005	0.04	0.3	1.5	0.15	0.02	53	0.8	0.05	4.5	1.25	0.1	0.02
MS-017	1	1.37	0.005	0.07	0.2	1.3	0.17	0.05	62	1.2	0.08	4.8	1.38	0.1	0.02
MS-018	1	1.38	0.003	0.08	0.1	1.1	0.11	0.02	41	0.7	0.07	3.6	1.77	0.1	0.02
MS-019	2	2.37	0.008	0.06	0.2	4.3	0.3	0.05	526	0.9	0.04	7.6	1.4	0.1	0.02
MS-020	1	1.08	0.011	0.04	0.2	1.8	0.07	0.03	34	0.4	0.02	4.7	1.1	0.1	0.02
MS-021	1	1.09	0.01	0.09	0.1	0.6	0.17	0.08	958	1.1	0.07	4.3	2.08	0.1	0.02
MS-022	3	1.87	0.008	0.06	0.2	3	0.08	0.06	137	1.1	0.07	6.8	1.47	0.1	0.02
MS-023	1	0.99	0.007	0.06	0.2	1	0.13	0.04	53	0.8	0.06	4.8	1.12	0.1	0.02
MS-024	1	1.61	0.007	0.09	0.2	2.5	0.15	0.08	183	1.4	0.09	5.2	1.19	0.1	0.02
MS-025	1	1.55	0.005	0.07	0.2	1.3	0.14	0.04	157	1.2	0.08	5	1.3	0.1	0.02
MS-026	1	1.45	0.005	0.09	0.4	1.9	0.14	0.02	74	0.6	0.08	5.3	1.52	0.1	0.02
MS-027	1	1.71	0.005	0.05	0.3	1.9	0.13	0.03	86	0.8	0.06	5.4	1.49	0.1	0.02
MS-028	1	1.47	0.007	0.07	0.3	1.8	0.11	0.02	95	0.7	0.07	4.9	1.48	0.1	0.02
MS-029	1	1.38	0.003	0.07	0.2	1.6	0.14	0.04	70	1	0.04	4	1.31	0.1	0.02
MS-030	1	0.36	0.014	0.04	0.1	0.3	0.07	0.03	42	0.7	0.03	2.3	0.96	0.1	0.02
MS-031	1	2.36	0.005	0.09	0.2	4.3	0.15	0.03	54	0.8	0.11	6.5	1.22	0.1	0.04
MS-032	1	2.49	0.005	0.07	0.2	4.5	0.14	0.05	110	1.2	0.07	5.6	1.57	0.1	0.02
MS-033	1	2.23	0.007	0.06	0.2	2.9	0.12	0.04	54	0.7	0.09	5.2	0.8	0.1	0.04
MS-034	1	1.69	0.004	0.08	0.3	1.9	0.1	0.02	38	0.5	0.07	4.8	0.95	0.1	0.02
MS-035	2	1.86	0.005	0.07	0.2	2.3	0.1	0.03	61	0.5	0.07	5.4	1.23	0.1	0.02
MS-036	4	2.04	0.007	0.11	0.1	2.9	0.14	0.05	114	1	0.09	6.1	1.71	0.1	0.02
MS-037	4	2.1	0.007	0.1	0.1	2.7	0.1	0.03	55	0.6	0.1	6.7	1.85	0.1	0.02
MS-038	2	1.72	0.006	0.1	0.3	2.4	0.1	0.03	92	0.6	0.07	6.4	1.56	0.1	0.02
MS-039	2	1.44	0.005	0.08	0.2	1.8	0.09	0.02	72	0.5	0.05	5.2	1.5	0.1	0.02
MS-040	2	1.81	0.005	0.09	0.2	3.2	0.05	0.03	567	0.3	0.1	6.3	1.84	0.1	0.02

Sample_No.	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Cert.
MS-001	1.06	6.3	4.2	0.05	1.6	10.02	30	0.03	1	0.5	25.8	10	2	WHI10000491
MS-002	2.04	3.7	11.3	0.05	4	5.81	28.7	0.02	1	0.3	29.3	10	2	WHI10000491
MS-003	0.26	3.9	2.9	0.05	0.3	1.8	11	0.02	1	0.1	6.7	10	2	WHI10000491
MS-004	0.53	10.3	3.2	0.05	0.2	3.8	26.2	0.02	1	0.4	23.8	10	2	WHI10000491
MS-005	0.24	6	8.7	0.05	0.3	19.68	33.7	0.02	1	1.1	8.9	10	2	WHI10000491
MS-006	0.11	10.8	5.3	0.05	0.7	4.02	47	0.03	1	0.1	4.5	10	2	WHI10000491
MS-007	0.35	8.5	2.3	0.05	0.2	3.8	27	0.02	1	0.3	23.4	10	2	WHI10000491
MS-008	0.63	13.9	2	0.05	0.7	3.52	38.3	0.03	1	0.4	18.7	10	2	WHI10000491
MS-009	0.25	17.4	3.6	0.05	0.3	7.99	75.5	0.05	5	0.2	7.9	10	2	WHI10000491
MS-010	0.3	15	2.9	0.05	0.3	10.98	41.9	0.02	1	0.6	25.9	10	2	WHI10000491
MS-011	0.26	11.1	1.6	0.05	0.1	3.66	18.8	0.02	1	0.2	5.7	10	2	WHI10000491
MS-012	0.99	9.9	2.8	0.05	1.8	4.42	23.9	0.02	1	0.4	21.6	10	2	WHI10000491
MS-013	0.4	8.7	1.7	0.05	0.2	3.1	22.5	0.02	1	0.1	17.4	10	2	WHI10000491
MS-014	0.4	8.6	1.6	0.05	0.2	7.91	41.3	0.04	1	0.5	23.3	10	2	WHI10000491
MS-015	0.54	9.3	6.1	0.05	0.2	6.88	28.3	0.03	1	0.5	23.7	10	2	WHI10000491
MS-016	0.6	8.7	1.3	0.05	0.2	3.46	28.6	0.02	1	0.3	19.8	10	2	WHI10000491
MS-017	0.36	12.3	3.2	0.05	0.3	4.52	31.2	0.02	1	0.5	22.2	10	2	WHI10000491
MS-018	0.21	10.4	3.5	0.05	0.7	8.78	49.1	0.02	1	0.5	15.2	10	2	WHI10000491
MS-019	0.91	10.2	5.7	0.05	0.8	6.29	24.3	0.03	1	0.3	41.2	10	2	WHI10000491
MS-020	0.94	8.3	2.7	0.05	1.5	3.01	20.4	0.02	1	0.1	7.6	10	2	WHI10000491
MS-021	0.2	11	2.9	0.05	0.2	5	34.3	0.21	1	0.5	8.9	10	2	WHI10000491
MS-022	0.99	6.7	6.1	0.05	1.1	10.7	34.3	0.02	2	0.7	21	10	2	WHI10000491
MS-023	0.37	9.1	1.9	0.05	0.1	3.31	38.7	0.02	1	0.2	7.5	10	2	WHI10000491
MS-024	0.6	10.5	1.8	0.05	0.5	7.61	46.3	0.05	1	0.6	19.7	10	2	WHI10000491
MS-025	0.44	11.2	2.1	0.05	0.3	6.43	38.8	0.02	1	0.4	17.5	10	2	WHI10000491
MS-026	0.63	12.3	2.2	0.05	0.4	6.03	40.6	0.02	1	0.7	24.7	10	2	WHI10000491
MS-027	1.03	8.9	1.8	0.05	0.3	3.72	31.1	0.03	1	0.6	20.6	10	2	WHI10000491
MS-028	0.72	10.8	1.4	0.05	0.4	6.22	41.2	0.02	1	0.8	19.8	10	2	WHI10000491
MS-029	0.56	10.5	1.9	0.05	0.5	3.94	37.4	0.02	1	0.3	21	10	2	WHI10000491
MS-030	0.11	5.6	1.9	0.05	0.1	1.09	16.8	0.02	1	0.1	1.3	10	2	WHI10000491
MS-031	1.5	11.9	3.3	0.05	2.3	9.51	45.8	0.04	1	0.5	34.7	10	2	WHI10000491
MS-032	1.17	8.7	5.5	0.05	1.4	15.98	49.9	0.02	1	0.7	45.8	10	2	WHI10000491
MS-033	1.24	7.5	2.9	0.05	2.6	5.31	35.1	0.03	1	0.4	38.8	10	2	WHI10000491
MS-034	0.67	8.9	1.5	0.05	0.4	3.72	34.1	0.03	1	0.5	31.4	10	2	WHI10000491
MS-035	1.27	8.1	3.9	0.05	1.5	4.3	33.1	0.05	1	0.4	38.5	10	2	WHI10000491
MS-036	0.53	11.3	3.3	0.05	0.8	9.85	62.4	0.03	1	0.8	29.7	10	2	WHI10000491
MS-037	0.7	14.9	7.8	0.05	2	5.68	44.5	0.04	2	0.7	36.2	10	2	WHI10000491
MS-038	0.68	12.5	2.5	0.05	0.6	5.21	32.9	0.03	1	0.6	26.7	10	2	WHI10000491
MS-039	0.58	13.6	3.1	0.05	0.4	4.43	29.9	0.03	1	0.6	24.2	10	2	WHI10000491
MS-040	1.07	9.4	3.4	0.05	0.9	4.99	30	0.03	1	0.5	28.8	10	2	WHI10000491

Geochemical Statistics																	
Cert. WHI10000491	*Mo*	*Cu*	*Pb*	*Zn*	*Ag*	*Ni*	*Co*	*Mn*	*Fe*	*As*	*U*	*Au*	*Th*	*Sr*	*Cd*	*Sb*	*Bi*
Mean	2.35	36.83	23.78	93.88	409.63	27.09	11.14	638.13	3.13	43.50	0.86	7.03	1.37	14.48	0.33	1.53	0.30
Standard Error	0.29	2.85	2.51	9.35	57.89	1.95	0.98	55.71	0.14	12.31	0.08	2.06	0.16	1.77	0.03	0.20	0.01
Median	1.82	32.145	20.93	85.95	307	25.2	9.75	582	3.075	13.65	0.7	3.45	1.05	11.8	0.25	1.18	0.295
Mode	1.45	#N/A	#N/A	71.7	361	25.2	9.2	#N/A	3	10.5	0.6	2.7	0.5	8.9	0.24	0.48	0.22
Standard Deviation	1.851	18.032	15.875	59.137	366.114	12.329	6.189	352.365	0.914	77.884	0.484	13.037	0.982	11.213	0.202	1.284	0.085
Sample Variance	3.425	325.157	252.016	3497.195	134039.676	151.996	38.304	124161.087	0.835	6065.855	0.234	169.969	0.965	125.721	0.041	1.648	0.007
Kurtosis	7.007	1.652	9.670	16.802	3.825	5.895	3.754	0.951	0.191	8.116	9.008	23.093	0.492	22.578	5.370	5.703	0.349
Skewness	2.679	1.214	2.927	3.422	2.069	1.854	1.518	0.961	-0.330	2.971	2.536	4.521	0.877	4.304	1.973	2.332	0.347
Range	8.11	83.95	78.66	375.7	1559	67.2	31.9	1572	4.41	333.6	2.6	77	4.2	70.9	1.02	5.98	0.4
Minimum	0.97	10.26	8.17	17.7	49	10.1	1.2	47	0.82	4.1	0.4	0.7	0.1	4.2	0.11	0.48	0.11
Maximum	9.08	94.21	86.83	393.4	1608	77.3	33.1	1619	5.23	337.7	3	77.7	4.3	75.1	1.13	6.46	0.51
Sum	93.85	1473.22	951.1	3755	16385	1083.6	445.7	25525	125.26	1740.1	34.2	281.2	54.9	579.1	13.17	61.37	11.89
Count	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
Largest(1)	9.08	94.21	86.83	393.4	1608	77.3	33.1	1619	5.23	337.7	3	77.7	4.3	75.1	1.13	6.46	0.51
Smallest(1)	0.97	10.26	8.17	17.7	49	10.1	1.2	47	0.82	4.1	0.4	0.7	0.1	4.2	0.11	0.48	0.11
Confidence Level(95.0%)	0.592	5.767	5.077	18.913	117.089	3.943	1.979	112.692	0.292	24.908	0.155	4.170	0.314	3.586	0.065	0.411	0.027

Geochemical Statistics																			
Cert. WHI10000491	*V*	*Ca*	*P*	*La*	*Cr*	*Mg*	*Ba*	*Ti*	*B*	*Al*	*Na*	*K*	*W*	*Sc*	*Tl*	*S*	*Hg*	*Se*	*Te*
Mean	43.48	0.15	0.08	16.66	30.70	0.59	268.80	0.03	1.50	1.55	0.01	0.08	0.18	1.94	0.16	0.07	139.58	0.88	0.09
Standard Error	2.65	0.01	0.00	1.04	1.89	0.05	26.46	0.01	0.13	0.08	0.00	0.01	0.01	0.17	0.03	0.02	29.93	0.07	0.01
Median	40	0.13	0.071	15.05	25.9	0.555	209.65	0.0215	1	1.58	0.0065	0.07	0.2	1.8	0.125	0.04	71.5	0.8	0.07
Mode	31	0.26	0.07	14.8	24.5	0.15	126.8	0.014	1	1.38	0.005	0.06	0.2	2.9	0.14	0.03	53	0.7	0.07
Standard Deviation	16.748	0.085	0.023	6.597	11.936	0.325	167.361	0.032	0.847	0.485	0.003	0.047	0.077	1.091	0.167	0.115	189.322	0.424	0.050
Sample Variance	280.512	0.007	0.001	43.514	142.463	0.106	28009.715	0.001	0.718	0.235	0.000	0.002	0.006	1.191	0.028	0.013	35842.917	0.179	0.003
Kurtosis	0.337	0.124	0.113	4.789	3.904	0.231	1.605	3.879	2.296	0.247	2.300	18.099	0.339	-0.115	22.646	23.099	9.357	7.801	6.731
Skewness	0.838	0.796	0.512	1.557	1.775	0.552	1.343	1.851	1.730	-0.408	1.329	3.784	0.774	0.567	4.452	4.591	2.982	2.159	2.243
Range	74	0.34	0.097	37.6	60.9	1.43	699.4	0.147	3	2.13	0.012	0.28	0.3	4.2	1.02	0.67	941	2.4	0.27
Minimum	14	0.02	0.036	4.9	13.4	0.04	64.2	0.004	1	0.36	0.003	0.04	0.1	0.3	0.04	0.02	17	0.3	0.02
Maximum	88	0.36	0.133	42.5	74.3	1.47	763.6	0.151	4	2.49	0.015	0.32	0.4	4.5	1.06	0.69	958	2.7	0.29
Sum	1739	6	3.017	666.3	1228.1	23.66	10751.9	1.361	60	61.87	0.27	3.14	7.1	77.7	6.42	2.85	5583	35.3	3.42
Count	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
Largest(1)	88	0.36	0.133	42.5	74.3	1.47	763.6	0.151	4	2.49	0.015	0.32	0.4	4.5	1.06	0.69	958	2.7	0.29
Smallest(1)	14	0.02	0.036	4.9	13.4	0.04	64.2	0.004	1	0.36	0.003	0.04	0.1	0.3	0.04	0.02	17	0.3	0.02
Confidence Level(95.0%)	5.356	0.027	0.007	2.110	3.817	0.104	53.525	0.010	0.271	0.155	0.001	0.015	0.025	0.349	0.053	0.037	60.548	0.135	0.016

Geochemical Statistics																	
Cert. WHI10000491	*Ga*	*Cs*	*Ge*	*Hf*	*Nb*	*Rb*	*Sn*	*Ta*	*Zr*	*Y*	*Ce*	*In*	*Re*	*Be*	*Li*	*Pd*	*Pt*
Mean	4.92	1.23	0.10	0.02	0.66	9.92	3.45	0.05	0.79	6.16	35.12	0.03	1.15	0.45	21.74	10.00	2.00
Standard Error	0.19	0.06	0.00	0.00	0.07	0.45	0.34	0.00	0.13	0.58	1.90	0.00	0.10	0.04	1.70	0.00	0.00
Median	5	1.23	0.1	0.02	0.59	10.05	2.9	0.05	0.4	5.105	33.9	0.02	1	0.5	21.9	10	2
Mode	4.8	1.23	0.1	0.02	0.6	8.7	2.9	0.05	0.2	3.72	30	0.02	1	0.5	19.8	10	2
Standard Deviation	1.226	0.372	0.000	0.012	0.416	2.876	2.154	0.000	0.830	3.655	12.039	0.030	0.662	0.225	10.721	0.000	0.000
Sample Variance	1.504	0.138	0.000	0.000	0.173	8.269	4.642	0.000	0.689	13.355	144.939	0.001	0.438	0.051	114.932	0.000	0.000
Kurtosis	-0.025	-0.644	-2.108	27.105	1.720	0.571	3.995	-2.108	4.900	4.450	2.454	32.594	31.100	0.422	-0.327	#DIV/0!	#DIV/0!
Skewness	-0.294	0.168	-1.039	4.966	1.153	0.149	1.895	-1.039	2.058	1.851	0.977	5.483	5.408	0.382	0.098	#DIV/0!	#DIV/0!
Range	5.3	1.57	0	0.07	1.93	13.7	10	0	3.9	18.59	64.5	0.19	4	1	44.5	0	0
Minimum	2.3	0.51	0.1	0.02	0.11	3.7	1.3	0.05	0.1	1.09	11	0.02	1	0.1	1.3	10	2
Maximum	7.6	2.08	0.1	0.09	2.04	17.4	11.3	0.05	4	19.68	75.5	0.21	5	1.1	45.8	10	2
Sum	196.7	49.38	4	0.93	26.44	396.7	137.8	2	31.4	246.48	1404.9	1.26	46	18	869.4	400	80
Count	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
Largest(1)	7.6	2.08	0.1	0.09	2.04	17.4	11.3	0.05	4	19.68	75.5	0.21	5	1.1	45.8	10	2
Smallest(1)	2.3	0.51	0.1	0.02	0.11	3.7	1.3	0.05	0.1	1.09	11	0.02	1	0.1	1.3	10	2
Confidence Level(95.0%)	0.392	0.119	0.000	0.004	0.133	0.920	0.689	0.000	0.265	1.169	3.850	0.010	0.212	0.072	3.429	0.000	0.000

APPENDIX B

2010 Certificate of Analysis

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

www.acmelab.com

Client: **Hulstein, Roger**
281 Alsek Road
Whitehorse YT Y1A 4T1 Canada

Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: September 20, 2010
Report Date: October 16, 2010
Page: 1 of 3

CERTIFICATE OF ANALYSIS WHI10000491.2

CLIENT JOB INFORMATION

Project: LDH
Shipment ID:
P.O. Number
Number of Samples: 40

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	40	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	40	Dry at 60C			WHI
1F05	40	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
RJSV	40	Saving all or part of Soil Reject			WHI

ADDITIONAL COMMENTS

Invoice To: Hulstein, Roger
281 Alsek Road
Whitehorse YT Y1A 4T1
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
"*" 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: **Hulstein, Roger**
281 Alsek Road
Whitehorse YT Y1A 4T1 Canada

Project: LDH
Report Date: October 16, 2010

CERTIFICATE OF ANALYSIS WHI10000491.2

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
MS-001	Soil	2.11	44.88	20.67	108.3	435	28.6	16.7	795	2.76	13.4	1.0	2.5	1.5	19.8	0.25	0.98	0.22	36	0.31	0.053
MS-002	Soil	4.39	32.41	26.33	76.6	302	23.6	15.6	609	4.02	8.8	0.7	2.1	1.4	15.0	0.17	1.42	0.17	47	0.14	0.070
MS-003	Soil	1.06	23.09	9.53	45.3	216	10.1	5.1	566	1.65	5.5	0.4	3.4	0.1	9.4	0.22	0.81	0.11	29	0.11	0.088
MS-004	Soil	1.25	22.07	21.87	95.3	131	16.8	8.4	502	3.36	11.3	0.5	2.1	0.5	12.0	0.38	0.80	0.34	41	0.10	0.066
MS-005	Soil	4.12	94.21	37.10	393.4	1171	77.3	33.1	1362	5.23	288.9	1.0	77.7	0.5	20.3	0.45	6.46	0.25	24	0.07	0.111
MS-006	Soil	9.08	31.47	81.65	28.6	1390	15.0	2.6	188	2.47	273.3	1.7	14.8	0.6	32.1	0.20	3.65	0.40	23	0.03	0.113
MS-007	Soil	1.87	30.02	20.09	90.4	361	24.3	9.7	553	2.99	21.7	0.6	6.0	0.9	13.6	0.38	1.01	0.29	35	0.07	0.063
MS-008	Soil	6.74	49.81	27.69	80.4	774	22.8	9.2	783	3.95	45.6	0.7	4.3	1.0	15.8	0.37	2.85	0.35	66	0.10	0.083
MS-009	Soil	8.61	52.56	86.83	43.4	1608	17.9	4.4	244	3.52	122.4	3.0	24.0	2.5	75.1	0.19	5.07	0.51	28	0.12	0.133
MS-010	Soil	1.98	50.94	33.58	150.1	676	37.4	12.8	652	3.00	46.6	1.6	32.1	0.8	11.2	0.68	1.20	0.34	48	0.17	0.081
MS-011	Soil	1.35	23.48	12.20	40.4	357	12.9	4.2	273	1.59	13.5	0.7	0.9	<0.1	10.1	0.25	0.61	0.27	31	0.13	0.095
MS-012	Soil	1.63	34.08	16.72	71.7	274	34.9	12.9	636	3.71	32.0	0.6	4.2	1.8	9.0	0.40	1.19	0.21	74	0.20	0.052
MS-013	Soil	1.58	23.79	17.93	86.8	134	27.2	9.2	1619	3.31	10.4	0.4	1.4	0.5	4.2	0.35	1.00	0.25	36	0.03	0.093
MS-014	Soil	2.04	27.41	26.68	87.9	635	18.6	10.4	428	2.94	17.7	0.9	4.8	0.5	15.4	0.21	1.22	0.36	32	0.06	0.060
MS-015	Soil	1.51	38.27	20.54	117.4	365	31.5	6.9	518	2.33	7.6	1.4	2.0	0.1	9.6	0.76	0.71	0.31	28	0.07	0.125
MS-016	Soil	0.98	10.26	14.59	53.0	305	17.6	6.7	274	2.31	9.2	0.7	1.9	1.6	8.9	0.11	0.48	0.32	32	0.10	0.042
MS-017	Soil	1.80	18.62	41.79	81.3	281	21.9	10.2	891	2.95	26.6	0.6	2.7	1.0	10.9	0.24	1.38	0.38	31	0.12	0.080
MS-018	Soil	1.19	32.50	15.25	75.2	49	34.8	9.2	1126	2.27	8.2	0.6	0.7	1.7	6.8	0.23	0.53	0.28	21	0.11	0.078
MS-019	Soil	1.92	31.30	18.97	149.3	337	44.3	13.8	1000	3.64	9.8	0.6	2.4	0.9	12.8	0.35	3.58	0.22	77	0.36	0.080
MS-020	Soil	0.97	21.82	8.87	33.3	74	14.3	4.6	179	1.84	4.1	0.4	0.9	1.1	8.1	0.22	0.48	0.20	54	0.26	0.036
MS-021	Soil	3.31	71.17	32.09	108.4	466	21.7	10.5	653	2.36	10.5	1.3	3.3	0.3	17.1	0.52	1.69	0.44	39	0.26	0.095
MS-022	Soil	2.33	59.23	24.67	109.8	165	39.7	27.8	1480	4.17	12.8	1.1	10.0	1.1	11.3	1.13	1.17	0.42	88	0.23	0.105
MS-023	Soil	1.52	19.27	11.84	50.5	239	17.4	5.4	246	1.50	6.6	0.6	1.5	0.7	11.3	0.15	0.71	0.22	36	0.20	0.050
MS-024	Soil	2.90	54.75	14.55	106.5	462	34.5	9.6	420	3.18	13.8	1.3	5.4	2.9	20.3	0.41	1.74	0.27	52	0.16	0.089
MS-025	Soil	2.35	36.59	12.34	85.1	361	30.5	8.7	401	2.72	11.1	1.2	3.8	0.7	10.6	0.33	1.09	0.26	45	0.09	0.093
MS-026	Soil	1.36	20.57	21.79	74.1	70	25.2	13.5	589	3.01	15.5	0.7	1.6	2.6	9.9	0.18	0.85	0.48	33	0.22	0.058
MS-027	Soil	1.45	14.77	21.19	66.1	1361	20.7	9.5	493	3.14	11.7	0.7	2.7	1.8	6.4	0.33	0.78	0.37	45	0.08	0.068
MS-028	Soil	1.24	17.09	16.04	70.1	309	19.4	6.9	312	3.00	12.0	0.6	1.2	2.3	7.3	0.23	0.74	0.33	39	0.10	0.072
MS-029	Soil	1.58	27.20	23.11	71.8	186	25.5	8.1	383	2.92	18.1	0.7	3.8	2.4	8.9	0.16	1.22	0.30	31	0.07	0.065
MS-030	Soil	1.45	19.36	8.17	17.7	389	11.1	1.2	47	0.82	8.1	0.4	0.8	0.2	5.3	0.13	0.49	0.16	14	0.02	0.045

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
MS-001	Soil	14.8	24.3	0.70	387.7	0.067	2	1.64	0.007	0.06	0.2	2.5	0.09	0.04	73	0.7	0.10	4.5	0.79	<0.1	0.03
MS-002	Soil	9.7	24.8	1.09	64.2	0.151	2	2.04	0.010	0.04	0.1	3.1	0.10	0.06	171	0.9	0.04	5.3	0.76	<0.1	0.09
MS-003	Soil	4.9	13.4	0.25	140.3	0.013	<1	0.68	0.015	0.04	0.1	0.5	0.04	0.04	67	0.3	0.04	2.7	0.73	<0.1	<0.02
MS-004	Soil	11.9	19.2	0.72	160.3	0.021	1	1.55	0.007	0.06	0.1	1.3	0.08	0.03	48	0.6	0.10	5.0	0.97	<0.1	<0.02
MS-005	Soil	12.2	24.6	0.15	81.1	0.010	2	1.44	0.005	0.05	0.1	1.4	0.16	0.06	101	1.3	0.14	2.5	0.51	<0.1	<0.02
MS-006	Soil	27.3	26.8	0.10	295.1	0.004	1	0.64	0.009	0.17	0.1	0.4	0.50	0.34	176	1.7	0.18	2.7	0.73	<0.1	<0.02
MS-007	Soil	12.0	28.7	0.56	155.2	0.010	1	1.45	0.007	0.08	0.1	1.2	0.10	0.07	43	0.7	0.05	4.1	0.79	<0.1	<0.02
MS-008	Soil	18.8	41.1	0.54	313.1	0.039	1	1.67	0.007	0.13	0.1	2.3	0.32	0.19	72	1.1	0.21	6.0	1.01	<0.1	<0.02
MS-009	Soil	42.5	22.5	0.15	312.6	0.009	<1	0.64	0.008	0.32	<0.1	1.4	1.06	0.69	573	2.7	0.29	3.1	0.99	<0.1	<0.02
MS-010	Soil	20.5	45.1	0.64	328.2	0.025	3	1.78	0.006	0.08	0.1	2.9	0.23	0.05	247	1.1	0.09	5.6	1.45	<0.1	<0.02
MS-011	Soil	9.5	24.5	0.15	158.9	0.009	<1	0.86	0.010	0.05	0.1	0.4	0.14	0.08	55	0.8	0.05	3.5	0.87	<0.1	<0.02
MS-012	Soil	11.6	51.0	0.86	178.1	0.111	3	1.84	0.006	0.07	0.2	2.9	0.12	0.09	48	0.9	0.06	6.0	1.08	<0.1	0.03
MS-013	Soil	10.9	24.5	0.66	132.5	0.014	<1	1.61	0.003	0.05	0.2	1.2	0.08	<0.02	17	0.6	0.10	5.3	0.77	<0.1	<0.02
MS-014	Soil	20.9	25.1	0.53	160.7	0.013	1	1.49	0.005	0.06	0.2	0.9	0.14	0.06	33	1.1	0.14	4.6	1.64	<0.1	<0.02
MS-015	Soil	14.8	26.1	0.61	126.8	0.011	<1	1.66	0.006	0.05	0.1	0.5	0.11	0.09	71	0.7	0.10	4.4	1.23	<0.1	<0.02
MS-016	Soil	13.7	21.9	0.43	186.1	0.014	<1	1.46	0.005	0.04	0.3	1.5	0.15	<0.02	53	0.8	0.05	4.5	1.25	<0.1	<0.02
MS-017	Soil	14.5	26.9	0.49	176.1	0.013	<1	1.37	0.005	0.07	0.2	1.3	0.17	0.05	62	1.2	0.08	4.8	1.38	<0.1	<0.02
MS-018	Soil	23.4	24.1	0.42	382.8	0.006	<1	1.38	0.003	0.08	0.1	1.1	0.11	0.02	41	0.7	0.07	3.6	1.77	<0.1	<0.02
MS-019	Soil	11.9	74.3	1.47	581.8	0.077	2	2.37	0.008	0.06	0.2	4.3	0.30	0.05	526	0.9	0.04	7.6	1.40	<0.1	<0.02
MS-020	Soil	10.1	23.8	0.30	163.8	0.079	1	1.08	0.011	0.04	0.2	1.8	0.07	0.03	34	0.4	<0.02	4.7	1.10	<0.1	0.02
MS-021	Soil	16.9	29.6	0.27	509.1	0.014	1	1.09	0.010	0.09	0.1	0.6	0.17	0.08	958	1.1	0.07	4.3	2.08	<0.1	<0.02
MS-022	Soil	15.3	43.8	0.85	287.2	0.068	3	1.87	0.008	0.06	0.2	3.0	0.08	0.06	137	1.1	0.07	6.8	1.47	<0.1	0.02
MS-023	Soil	19.8	22.0	0.25	263.0	0.016	<1	0.99	0.007	0.06	0.2	1.0	0.13	0.04	53	0.8	0.06	4.8	1.12	<0.1	<0.02
MS-024	Soil	23.3	35.9	0.61	763.6	0.024	1	1.61	0.007	0.09	0.2	2.5	0.15	0.08	183	1.4	0.09	5.2	1.19	<0.1	<0.02
MS-025	Soil	19.5	38.2	0.52	245.0	0.020	1	1.55	0.005	0.07	0.2	1.3	0.14	0.04	157	1.2	0.08	5.0	1.30	<0.1	<0.02
MS-026	Soil	19.1	24.2	0.53	278.8	0.017	1	1.45	0.005	0.09	0.4	1.9	0.14	0.02	74	0.6	0.08	5.3	1.52	<0.1	<0.02
MS-027	Soil	14.1	28.0	0.37	153.6	0.023	<1	1.71	0.005	0.05	0.3	1.9	0.13	0.03	86	0.8	0.06	5.4	1.49	<0.1	<0.02
MS-028	Soil	19.0	24.0	0.40	176.7	0.022	1	1.47	0.007	0.07	0.3	1.8	0.11	0.02	95	0.7	0.07	4.9	1.48	<0.1	<0.02
MS-029	Soil	17.6	25.3	0.39	126.8	0.018	1	1.38	0.003	0.07	0.2	1.6	0.14	0.04	70	1.0	0.04	4.0	1.31	<0.1	<0.02
MS-030	Soil	9.0	17.2	0.04	70.3	0.006	<1	0.36	0.014	0.04	<0.1	0.3	0.07	0.03	42	0.7	0.03	2.3	0.96	<0.1	<0.02

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Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
MS-001	Soil	1.06	6.3	4.2	<0.05	1.6	10.02	30.0	0.03	<1	0.5	25.8	<10	<2
MS-002	Soil	2.04	3.7	11.3	<0.05	4.0	5.81	28.7	<0.02	<1	0.3	29.3	<10	<2
MS-003	Soil	0.26	3.9	2.9	<0.05	0.3	1.80	11.0	<0.02	<1	<0.1	6.7	<10	<2
MS-004	Soil	0.53	10.3	3.2	<0.05	0.2	3.80	26.2	<0.02	<1	0.4	23.8	<10	<2
MS-005	Soil	0.24	6.0	8.7	<0.05	0.3	19.68	33.7	<0.02	<1	1.1	8.9	<10	<2
MS-006	Soil	0.11	10.8	5.3	<0.05	0.7	4.02	47.0	0.03	<1	0.1	4.5	<10	<2
MS-007	Soil	0.35	8.5	2.3	<0.05	0.2	3.80	27.0	<0.02	<1	0.3	23.4	<10	<2
MS-008	Soil	0.63	13.9	2.0	<0.05	0.7	3.52	38.3	0.03	<1	0.4	18.7	<10	<2
MS-009	Soil	0.25	17.4	3.6	<0.05	0.3	7.99	75.5	0.05	5	0.2	7.9	<10	<2
MS-010	Soil	0.30	15.0	2.9	<0.05	0.3	10.98	41.9	<0.02	<1	0.6	25.9	<10	<2
MS-011	Soil	0.26	11.1	1.6	<0.05	<0.1	3.66	18.8	<0.02	<1	0.2	5.7	<10	<2
MS-012	Soil	0.99	9.9	2.8	<0.05	1.8	4.42	23.9	<0.02	<1	0.4	21.6	<10	<2
MS-013	Soil	0.40	8.7	1.7	<0.05	0.2	3.10	22.5	<0.02	<1	0.1	17.4	<10	<2
MS-014	Soil	0.40	8.6	1.6	<0.05	0.2	7.91	41.3	0.04	1	0.5	23.3	<10	<2
MS-015	Soil	0.54	9.3	6.1	<0.05	0.2	6.88	28.3	0.03	<1	0.5	23.7	<10	<2
MS-016	Soil	0.60	8.7	1.3	<0.05	0.2	3.46	28.6	<0.02	<1	0.3	19.8	<10	<2
MS-017	Soil	0.36	12.3	3.2	<0.05	0.3	4.52	31.2	0.02	<1	0.5	22.2	<10	<2
MS-018	Soil	0.21	10.4	3.5	<0.05	0.7	8.78	49.1	<0.02	<1	0.5	15.2	<10	<2
MS-019	Soil	0.91	10.2	5.7	<0.05	0.8	6.29	24.3	0.03	<1	0.3	41.2	<10	<2
MS-020	Soil	0.94	8.3	2.7	<0.05	1.5	3.01	20.4	<0.02	<1	0.1	7.6	<10	<2
MS-021	Soil	0.20	11.0	2.9	<0.05	0.2	5.00	34.3	0.21	<1	0.5	8.9	<10	<2
MS-022	Soil	0.99	6.7	6.1	<0.05	1.1	10.70	34.3	<0.02	2	0.7	21.0	<10	<2
MS-023	Soil	0.37	9.1	1.9	<0.05	0.1	3.31	38.7	<0.02	<1	0.2	7.5	<10	<2
MS-024	Soil	0.60	10.5	1.8	<0.05	0.5	7.61	46.3	0.05	<1	0.6	19.7	<10	<2
MS-025	Soil	0.44	11.2	2.1	<0.05	0.3	6.43	38.8	0.02	<1	0.4	17.5	<10	<2
MS-026	Soil	0.63	12.3	2.2	<0.05	0.4	6.03	40.6	0.02	<1	0.7	24.7	<10	<2
MS-027	Soil	1.03	8.9	1.8	<0.05	0.3	3.72	31.1	0.03	<1	0.6	20.6	<10	<2
MS-028	Soil	0.72	10.8	1.4	<0.05	0.4	6.22	41.2	<0.02	<1	0.8	19.8	<10	<2
MS-029	Soil	0.56	10.5	1.9	<0.05	0.5	3.94	37.4	0.02	<1	0.3	21.0	<10	<2
MS-030	Soil	0.11	5.6	1.9	<0.05	0.1	1.09	16.8	<0.02	<1	0.1	1.3	<10	<2

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Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
MS-031	Soil	1.84	31.88	24.91	98.6	313	25.2	15.1	642	4.18	337.7	0.9	2.4	3.2	15.3	0.16	1.54	0.30	48	0.15	0.065
MS-032	Soil	1.85	48.12	24.50	101.3	215	35.4	17.9	1039	3.60	77.4	1.1	4.4	1.7	19.9	0.24	0.99	0.23	38	0.26	0.070
MS-033	Soil	2.13	37.46	22.97	87.4	279	23.6	9.8	575	4.31	23.9	0.6	2.7	2.1	12.6	0.12	1.34	0.24	41	0.11	0.070
MS-034	Soil	1.45	27.73	15.69	110.8	136	25.2	8.5	494	2.96	17.1	0.6	12.5	1.9	11.6	0.13	0.81	0.28	41	0.15	0.040
MS-035	Soil	1.80	31.08	24.34	99.3	218	29.7	11.0	643	3.90	20.9	0.6	8.9	2.4	12.9	0.31	1.19	0.31	44	0.16	0.049
MS-036	Soil	2.47	60.89	23.95	153.5	296	47.5	19.0	703	4.25	20.2	1.3	8.7	2.8	13.3	0.48	2.09	0.34	52	0.18	0.087
MS-037	Soil	2.19	41.61	22.92	162.1	371	44.7	16.6	550	4.32	12.9	0.7	4.4	4.3	9.7	0.51	1.46	0.34	60	0.16	0.085
MS-038	Soil	1.85	44.84	16.53	122.2	332	30.9	14.8	811	3.80	50.3	0.6	3.5	0.8	13.4	0.61	3.60	0.28	68	0.13	0.079
MS-039	Soil	1.61	39.04	17.16	79.9	212	26.7	11.3	762	3.52	72.4	0.7	4.7	0.7	21.8	0.39	1.65	0.32	57	0.26	0.069
MS-040	Soil	0.99	77.58	13.46	71.7	130	17.2	14.8	1084	3.76	10.5	0.4	4.0	0.9	20.1	0.24	0.79	0.22	75	0.35	0.061

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
MS-031	Soil	22.9	38.2	1.07	485.6	0.060	<1	2.36	0.005	0.09	0.2	4.3	0.15	0.03	54	0.8	0.11	6.5	1.22	<0.1	0.04
MS-032	Soil	23.0	31.5	1.10	420.0	0.047	1	2.49	0.005	0.07	0.2	4.5	0.14	0.05	110	1.2	0.07	5.6	1.57	<0.1	0.02
MS-033	Soil	11.4	25.7	1.24	141.7	0.075	<1	2.23	0.007	0.06	0.2	2.9	0.12	0.04	54	0.7	0.09	5.2	0.80	<0.1	0.04
MS-034	Soil	15.5	24.7	0.62	157.9	0.022	<1	1.69	0.004	0.08	0.3	1.9	0.10	0.02	38	0.5	0.07	4.8	0.95	<0.1	<0.02
MS-035	Soil	14.8	35.9	0.77	154.7	0.054	2	1.86	0.005	0.07	0.2	2.3	0.10	0.03	61	0.5	0.07	5.4	1.23	<0.1	<0.02
MS-036	Soil	25.8	45.8	0.80	397.2	0.031	4	2.04	0.007	0.11	0.1	2.9	0.14	0.05	114	1.0	0.09	6.1	1.71	<0.1	<0.02
MS-037	Soil	21.5	60.0	0.84	258.7	0.036	4	2.10	0.007	0.10	0.1	2.7	0.10	0.03	55	0.6	0.10	6.7	1.85	<0.1	0.02
MS-038	Soil	15.4	32.6	0.70	233.2	0.033	2	1.72	0.006	0.10	0.3	2.4	0.10	0.03	92	0.6	0.07	6.4	1.56	<0.1	<0.02
MS-039	Soil	14.1	32.5	0.55	419.9	0.020	2	1.44	0.005	0.08	0.2	1.8	0.09	<0.02	72	0.5	0.05	5.2	1.50	<0.1	<0.02
MS-040	Soil	12.4	20.3	0.92	723.5	0.059	2	1.81	0.005	0.09	0.2	3.2	0.05	0.03	567	0.3	0.10	6.3	1.84	<0.1	<0.02

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Project: LDH
Report Date: October 16, 2010

CERTIFICATE OF ANALYSIS WHI10000491.2

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
MS-031	Soil	1.50	11.9	3.3	<0.05	2.3	9.51	45.8	0.04	<1	0.5	34.7	<10	<2
MS-032	Soil	1.17	8.7	5.5	<0.05	1.4	15.98	49.9	0.02	<1	0.7	45.8	<10	<2
MS-033	Soil	1.24	7.5	2.9	<0.05	2.6	5.31	35.1	0.03	<1	0.4	38.8	<10	<2
MS-034	Soil	0.67	8.9	1.5	<0.05	0.4	3.72	34.1	0.03	<1	0.5	31.4	<10	<2
MS-035	Soil	1.27	8.1	3.9	<0.05	1.5	4.30	33.1	0.05	<1	0.4	38.5	<10	<2
MS-036	Soil	0.53	11.3	3.3	<0.05	0.8	9.85	62.4	0.03	1	0.8	29.7	<10	<2
MS-037	Soil	0.70	14.9	7.8	<0.05	2.0	5.68	44.5	0.04	2	0.7	36.2	<10	<2
MS-038	Soil	0.68	12.5	2.5	<0.05	0.6	5.21	32.9	0.03	<1	0.6	26.7	<10	<2
MS-039	Soil	0.58	13.6	3.1	<0.05	0.4	4.43	29.9	0.03	<1	0.6	24.2	<10	<2
MS-040	Soil	1.07	9.4	3.4	<0.05	0.9	4.99	30.0	0.03	<1	0.5	28.8	<10	<2

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QUALITY CONTROL REPORT WHI10000491.2

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
MS-009	Soil	8.61	52.56	86.83	43.4	1608	17.9	4.4	244	3.52	122.4	3.0	24.0	2.5	75.1	0.19	5.07	0.51	28	0.12	0.133
REP MS-009	QC	9.67	57.52	96.60	48.1	1840	19.6	5.1	255	3.62	133.6	3.2	23.6	2.6	80.3	0.22	5.29	0.56	29	0.14	0.145
MS-024	Soil	2.90	54.75	14.55	106.5	462	34.5	9.6	420	3.18	13.8	1.3	5.4	2.9	20.3	0.41	1.74	0.27	52	0.16	0.089
REP MS-024	QC	2.96	54.16	15.26	109.0	454	34.3	9.3	428	3.17	13.8	1.3	5.9	2.9	20.3	0.41	1.75	0.29	51	0.16	0.092
Reference Materials																					
STD DS7	Standard	20.95	109.5	64.82	402.0	1010	55.5	9.2	650	2.43	51.6	4.7	73.7	4.4	70.8	6.31	5.99	4.62	85	0.96	0.078
STD DS7	Standard	19.68	112.7	68.44	398.0	1014	54.6	9.0	607	2.38	51.5	5.0	119.9	4.9	78.1	6.50	6.08	5.20	83	0.97	0.080
STD DS7	Standard	21.36	112.3	71.25	380.4	974	58.7	9.9	620	2.30	47.7	4.8	66.3	4.9	69.3	5.81	5.36	4.52	80	0.93	0.069
STD DS7 Expected		20.5	109	70.6	411	890	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	4.6	4.51	84	0.93	0.08
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.50	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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QUALITY CONTROL REPORT WHI10000491.2

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
Pulp Duplicates																					
MS-009	Soil	42.5	22.5	0.15	312.6	0.009	<1	0.64	0.008	0.32	<0.1	1.4	1.06	0.69	573	2.7	0.29	3.1	0.99	<0.1	<0.02
REP MS-009	QC	45.8	25.8	0.17	438.8	0.010	1	0.67	0.009	0.33	<0.1	1.5	1.19	0.70	639	2.9	0.32	3.6	1.08	<0.1	<0.02
MS-024	Soil	23.3	35.9	0.61	763.6	0.024	1	1.61	0.007	0.09	0.2	2.5	0.15	0.08	183	1.4	0.09	5.2	1.19	<0.1	<0.02
REP MS-024	QC	22.3	35.2	0.60	745.9	0.023	1	1.60	0.007	0.09	0.2	2.4	0.15	0.08	185	1.5	0.09	5.2	1.10	<0.1	<0.02
Reference Materials																					
STD DS7	Standard	13.1	191.6	1.06	425.3	0.124	37	1.04	0.090	0.46	3.7	2.8	4.08	0.21	241	3.4	1.37	4.5	6.38	0.1	0.10
STD DS7	Standard	13.8	177.3	1.05	431.8	0.123	39	1.05	0.095	0.47	3.7	2.9	4.22	0.20	211	3.2	1.41	5.0	6.72	<0.1	0.13
STD DS7	Standard	13.7	200.8	1.01	377.4	0.129	35	0.98	0.087	0.45	3.5	2.5	3.93	0.20	218	3.5	1.36	4.6	5.99	<0.1	0.11
STD DS7 Expected		11.7	179	1.05	410	0.124	38.6	0.959	0.089	0.44	3.4	2.5	4.19	0.19	200	3.5	1.08	4.6	6.36	0.1	0.11
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02

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QUALITY CONTROL REPORT WHI10000491.2

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates														
MS-009	Soil	0.25	17.4	3.6	<0.05	0.3	7.99	75.5	0.05	5	0.2	7.9	<10	<2
REP MS-009	QC	0.18	18.8	3.7	<0.05	0.3	8.68	78.1	0.05	8	0.4	8.8	16	3
MS-024	Soil	0.60	10.5	1.8	<0.05	0.5	7.61	46.3	0.05	<1	0.6	19.7	<10	<2
REP MS-024	QC	0.57	10.7	1.8	<0.05	0.5	7.59	43.7	0.04	<1	0.7	19.6	<10	<2
Reference Materials														
STD DS7	Standard	0.51	38.8	5.0	<0.05	5.2	5.75	36.2	1.67	4	1.7	29.4	74	43
STD DS7	Standard	0.56	38.0	5.0	<0.05	5.7	6.59	41.1	1.76	3	1.7	31.1	62	44
STD DS7	Standard	0.44	34.1	4.9	<0.05	5.1	6.01	37.4	1.56	3	1.3	26.8	68	42
STD DS7 Expected		0.71	35.8	4.61		5.4	5.18	36	1.57	4	1.6	29.3	58	37
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2