

2010

REPORT ON THE 2010 GEOLOGICAL AND GEOCHEMICAL WORK ON THE RIVIER PROPERTY

WATSON LAKE MINING DISTRICT,

YUKON TERRITORY

NTS: 105G/16 & 105G/11

Latitude 61°30'N Longitude 131° 08' W

Claim Name	Grant Number	Registered Owner
Rivier 1 - 18	YD58798 - YD58815	Roger Hulstein
Rivier 20 - 40	YD58820 - YD58837	Roger Hulstein
Rivier 45 - 62	YD58842 - YD58859	Roger Hulstein
Rivier 67 - 112	YD58864 - YD58909	Roger Hulstein
Rivier 97 - 108	YD61450 - YD61461	Matt Olsen Louis
Rivier 109 - 112	YD61462 - YD61465	Bissonnette

Work Conducted by:

Aurora Geosciences Ltd.
for
RADIUS GOLD INC.

August 18 – 28, 2010

YMIP # 10-127

Prepared by:

Daithi Mac Gearailt B.Sc.
Aurora Geosciences Ltd.
11/15/2010



SUMMARY:

A ten day reconnaissance prospecting, mapping, soil, silt and rock sampling program was carried out on the Rivier property and surrounding area in August 2010. The property consists of 116 Quartz Claims, 16 of which were staked during this ten day reconnaissance program. The property is located in south-east Yukon approximately 90 kilometres south-east of Ross River in the Watson Lake mining district. Access in 2010 was by helicopter based out of Ross River, Yukon.

The Rivier project area is located in the Finlayson Lake district of the Yukon Tanana Terrane. The area is underlain by the predominant Paleozoic Finlayson Lake Assemblage (Colpron et al, 2006) comprised of a number of subterrane including the Nasina, Slide Mountain and plutonic rocks superimposed on the Nasina Subterrane. These rocks have been intruded by Cretaceous granitoid intrusions. Based on exploration models used elsewhere in the Yukon and Alaska these granitoids may be important in the formation of any gold deposits. The property is thought to lie on the boundary between arc and non arc rocks, a likely terrane suture, a similar setting to the California Mother Lode.

The 2010 exploration program located an approximate 2 km X 2.5 km coincident gold, silver, antimony, arsenic anomaly on the property. The anomaly is over and around an east – west elongated listwanite altered ultramafic body bounded by fault structures. Stream sediment samples from surrounding drainages returned a similar suite of anomalous samples. Soil and stream sediment samples from the area to the north and northeast of the property returned scattered anomalies for gold, silver, copper, lead, zinc, arsenic and antimony but no significant coincident anomaly. Rock samples returned a high gold values of 176 ppb, ten samples out of 22 collected returned >300 ppm As and up to 106 ppm Sb.

Subsequent to this program the Rivier property was surrounded by competitor claims to the north and northeast.

The geological setting and anomalous geochemical values in soil and stream sediment samples are consistent with those found in mesothermal mother lode type deposits. Further work is proposed consisting of a grid soil sampling, geological mapping, a high resolution aeromagnetic survey, ground geophysical surveys of magnetics and VLF-EM. If warranted the above work would be followed up by trenching and or diamond drilling.

TABLE OF CONTENTS

SUMMARY:.....	2
APPENDICES	4
INTRODUCTION:.....	5
LOCATION AND ACCESS:	5
TOPOGRAPHY, VEGETATION AND CLIMATE:	6
HISTORY:	7
CLAIM STATUS:.....	8
2010 WORK PROGRAM:.....	10
REGIONAL GEOLOGY:.....	12
PROPERTY GEOLOGY & FIELD MAPPING	15
GEOCHEMISTRY	19
Soil Sampling:.....	19
Silt Samples:	20
Rock Samples:	20
Geochemistry Results:	20
CONCLUSIONS:.....	22
RECOMMENDATIONS:	23
STATEMENT OF COSTS:.....	24
STATEMENT OF QUALIFICATIONS:.....	25
REFERENCES:.....	26

LIST OF FIGURES

Figure 1: PROPERTY LOCATION MAP	6
Figure 2: RIVIER CLAIM MAP	9
Figure 3: RIVIER SAMPLE PROGRAM 2010.....	11
Figure 4: REGIONAL GEOLOGY	13
Figure 5: REGIONAL GEOLOGY LEGEND	14
Figure 6: RADIUS GOLD - GEOLOGY MAP	18
Figure 7: Au GEOCHEMISTRY	27
Figure 8: As GEOCHEMISTRY	28
Figure 9: Ag GEOCHEMISTRY	29
Figure 10: Sb GEOCHEMISTRY.....	30
Figure 11: Cu GEOCHEMISTRY	31
Figure 12: Pb GEOCHEMISTRY	32
Figure 13: Zn GEOCHEMISTRY.....	33
Figure 14: Ni GEOCHEMISTRY	34

LIST OF PHOTOS

PHOTO 1: CARBONATE ALTERED ULTRA MAFICS	15
PHOTO 2: Cr mica (fuchsite / mariposite) altered ultramafics (Listwanite) with quartz / carbonate veinlits	15
PHOTO 3: SERPENTINE FELSENMEER ZONES-OUTLINED IN RED.....	16
PHOTO 4: PRIMARY AND SECONDARY STRUCTURES WITH DAITHI MAC GEARAILT FOR SCALE	17
PHOTO 5: SOUTHERN ZONE LOOKING SOUTHWEST WITH PRIMARY SHEARING IN RED	17

Table 1: LIST OF CLAIMS.....	8
Table 2: POTENTIAL PATHFINDER ELEMENTS FOR GOLD IN LISTWANITE (Ash and Arksey 1989)	21
Table 3: STATEMENT OF COSTS	24

APPENDICES

Appendix A: Sample Numbers, Locations, Sample Results and Descriptive Statistics

Appendix B: 2010 Certificates of Analysis

INTRODUCTION:

This report was prepared by Aurora Geosciences Ltd. at the request of Radius Gold Inc. The purpose is to describe the 2010 exploration program on the Rivier property and surrounding area in order to fulfill assessment requirements as per the Yukon Quartz Mining Act and the Yukon Mining Incentive Program (YMIP). This project (#10-127) was partly paid for by the YMIP program focused regional exploration module. The bulk of the work program consisted of soil and stream sediment geochemical sampling and reconnaissance geological mapping and prospecting carried out over 10 days by a three person crew in August. The report also describes the; location, access, history, geological setting, known mineralization and outlines a proposed exploration program to further explore the property for gold bearing mother lode type deposits.

LOCATION AND ACCESS:

The Rivier property is located approximately 90 kilometres southeast of Ross River and about 30 kilometres south of the Robert Campbell Highway and the old Finlayson Lake Airstrip (Figure 1). Trans North Helicopters maintains a base in Ross River and was used for this project. A staging was set up at the old Finlayson Lake air strip that is now unmaintained. There is a tote road about 4 kilometres to the southwest of the project area which could be extended if need be. This tote road has been used in the past to bring in heavy equipment to the area. During the 2010 program a group of hunters on ATVs were spotted within 2 kms of the property and indicating that the tote road is still useable.

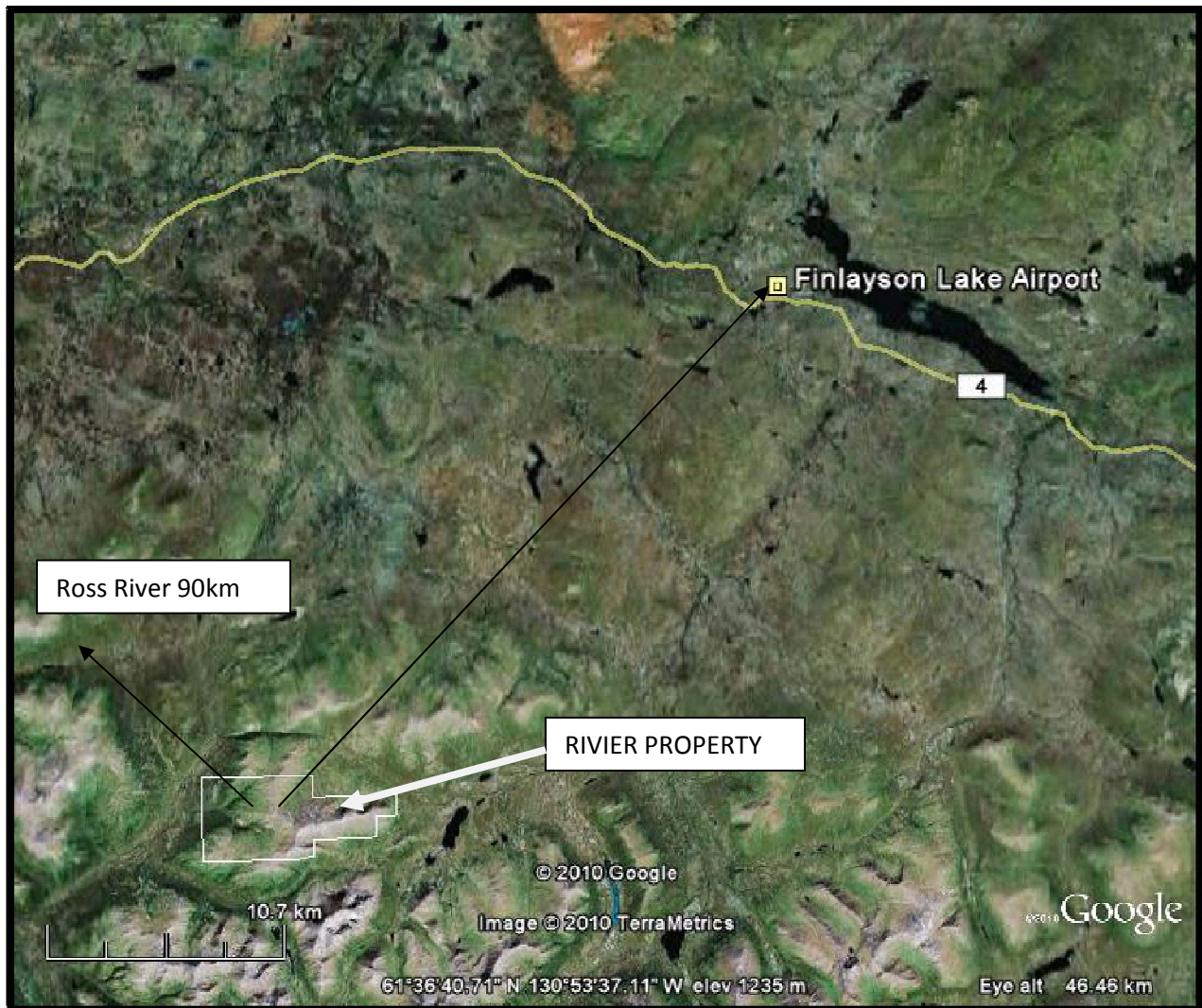


Figure 1: PROPERTY LOCATION MAP

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 1350 m in some of the valley bottoms to 1850 m at the ridge tops and peaks located roughly in the centre of the property. Permafrost is a consideration, especially on north facing slopes, and soil sampling should be conducted with this in mind.

Rock outcrop on the property is good with concentrations along ridges, small cliffs and creek bottoms. The property is above tree line with hill slopes being grassy and mossy and covered with low lying willow. Broad valleys with southern exposure are generally covered with chest high willow making traverses slow especially during rain and light snow.

Climate is characterized by low precipitation and a wide temperature range. Winters are cold and temperatures of -30°C to -45°C are common. Summers are moderately cool with daily highs of 10°C to 25°C . Thunder showers and heavy fog are a common occurrence. The seasonal window for prospecting is from June to mid September.

HISTORY:

The potential for volcanogenic massive sulphide (VMS) copper-lead-zinc silver-gold deposits associated with mid-Paleozoic volcanic rocks of Yukon-Tanana Terrane in the Finlayson Lake district was demonstrated with the discovery of the Kudz Ze Kayah deposit by Cominco Ltd. in 1994. This was followed by the discovery of the Wolverine deposit in 1995 by Westmin Resources Ltd. and Atna Resources Ltd. Yukon Zinc Corporation discovered the copper-rich Ice massive sulphide deposit in 1996 and Cominco Ltd. discovered the GP4F deposit in 1998.

The area has been explored for massive sulfide deposits from the 1950's to the present. Numerous companies and individuals including Newmont, Northlake Mines Ltd., Pelly River Exploration, Chevron, Hudson Mining and Smelting, Welcome North Mines Ltd. (Potter, 1988) have explored the area. More recently Expatriate Resources (Burgert, 1997), Cominco, Pacific Bay Minerals and prospector Wade Carrell have been active in the area. Currently 4 quartz claims (Leo 1-4) immediately southeast of the Rivier property cover the Leo copper-gold prospect (Yukon MINFILE 105G 027) and are held by prospector Alex McMillan of Watson Lake.

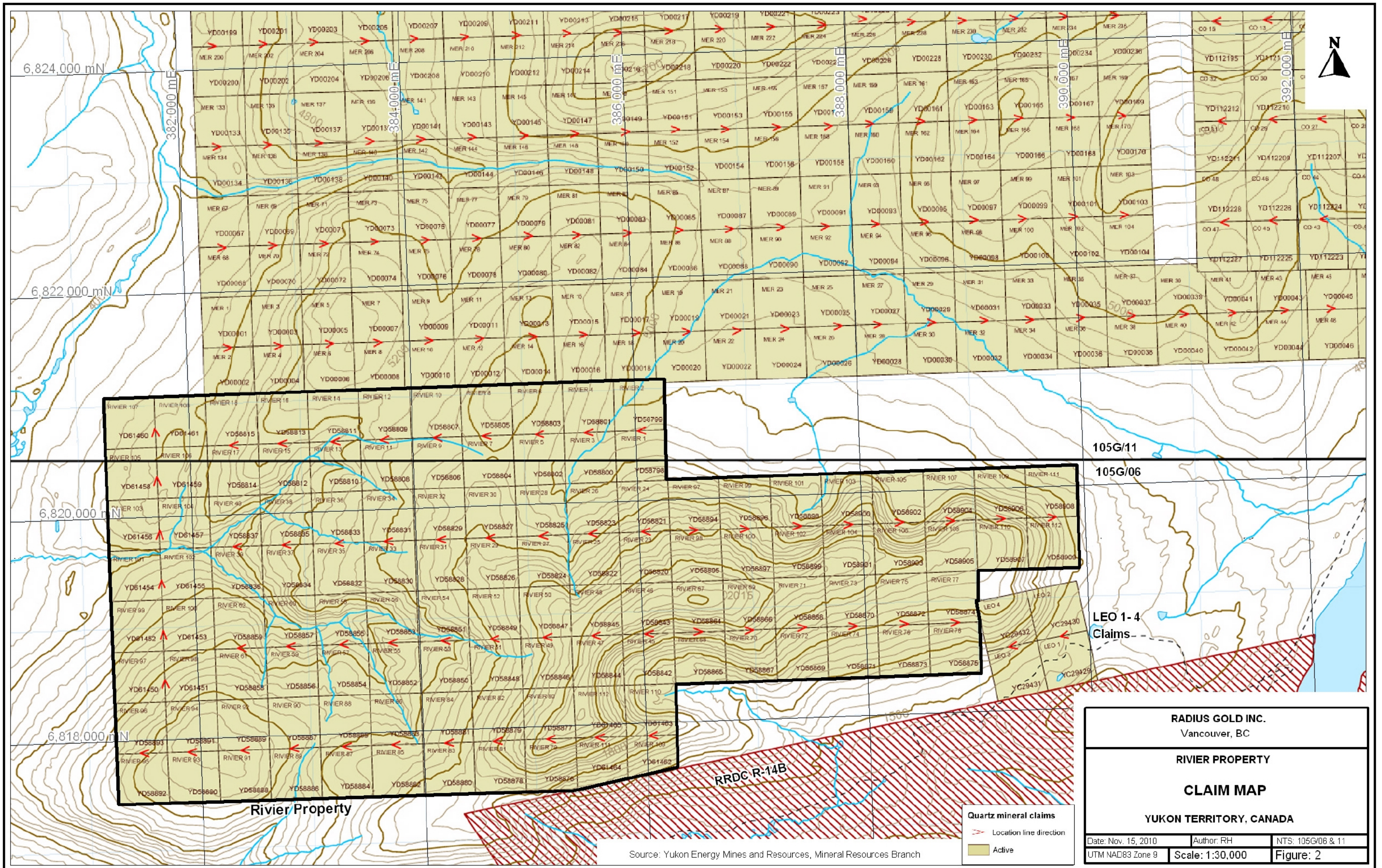
Two assessment reports by Potter (1988) and Burget (1997) cover the current Rivier claims and describe gold, arsenic, lead, copper anomalies in soil. One of two soil anomalies, South Zone, described by Potter (1988) consists of sulfide zones in listwanite that returned between 0.5 g/t – 1.2 g/t Au from several rock samples. The report by Burget (1997) focus on the search for VMS mineralization in the area of the current LEO claims.

CLAIM STATUS:

The 116 claims that make up the Rivier property and are the subject of this report cover an area of approximately 2400 hectares and consist of unsurveyed contiguous two-post Yukon ‘Quartz’ claims (Figure 2). Most of the claims were staked April 8 and 9th, 2010 according to the Yukon Quartz Mining Act and are located in the Watson Lake Mining District. They are shown on claim sheet 105G5/6 and 105G/11 and are available for viewing at the Watson Lake Mining Records Office. The claims listed below (Table 1) are registered in the name of Roger Hulstein and held by Radius Gold Inc. through an option agreement. Sixteen claims held by Misters Matt Olsen and Louis Bissonnette, contract claim stakers, are in the process of being transferred to Radius Gold Inc. at the time of writing. These claims were staked during the 2010 field program, four in the southeast corner (YD61462 to YD 61465) and 12 in the northwest corner of the property (YD61450 to YD61461).

Table 1: LIST OF CLAIMS.

Claim Name	Grant Number	Registered Owner	Expiry
Rivier 1 - 18	YD58798 - YD58815	Roger W. Hulstein - 100%	22/04/2011
Rivier 20 - 40	YD58820 - YD58837	Roger W. Hulstein - 100%	22/04/2011
Rivier 45 - 62	YD58842 - YD58859	Roger W. Hulstein - 100%	22/04/2011
Rivier 67 - 112	YD58864 - YD58909	Roger W. Hulstein - 100%	22/04/2011
Rivier 97 - 108	YD61450 - YD61461	Matt Olsen - 100%	10/09/2011
Rivier 109 - 112	YD61462 - YD61465	Louis Bissonnette - 100%	10/09/2011



Source: Yukon Energy Mines and Resources, Mineral Resources Branch

Quartz mineral claims
 → Location line direction
 Active

RADIUS GOLD INC. Vancouver, BC		
RIVIER PROPERTY		
CLAIM MAP		
YUKON TERRITORY, CANADA		
Date: Nov. 15, 2010	Author: RH	NTS: 105G/06 & 11
UTM NAD83 Zone 9	Scale: 1:30,000	Figure: 2

2010 WORK PROGRAM:

A 10 day reconnaissance exploration program was conducted on the Rivier property between August 18th 2010 and August 28th 2010. The three man crew consisted of, Daithi Mac Gearailt – geologist, Mat Olsen – prospector / soil sampler and Louis Bissonnette – prospector / soil sampler. The crew remained on the property for the duration of the program using equipment and a fly camp supplied by Aurora Geosciences Ltd. The crew and camp were flown to the property via a staging area at the old Finlayson Lake airstrip by Trans North Helicopters who maintain a base at Ross River.

The work program consisted of reconnaissance geochemical soil, silt and rock sampling, geological mapping, and the staking of an additional 16 claims. The program was hampered by 5 days of heavy rain and two days with 4 to 6 inches of snowfall.

All points on the property were accessed by foot with the exception of two days when a helicopter was used to access the ridges and hill tops directly to the north of, and outside, the property boundary. This area was both soil and silt sampled. The area north and east of the Rivier claims was staked by competitors before results of the survey were obtained.

Figure 3 is an overview map of all sample locations and should be used as a key for Sample Program Maps 1 to 4 in Appendix A which contain sample id numbers for each location.

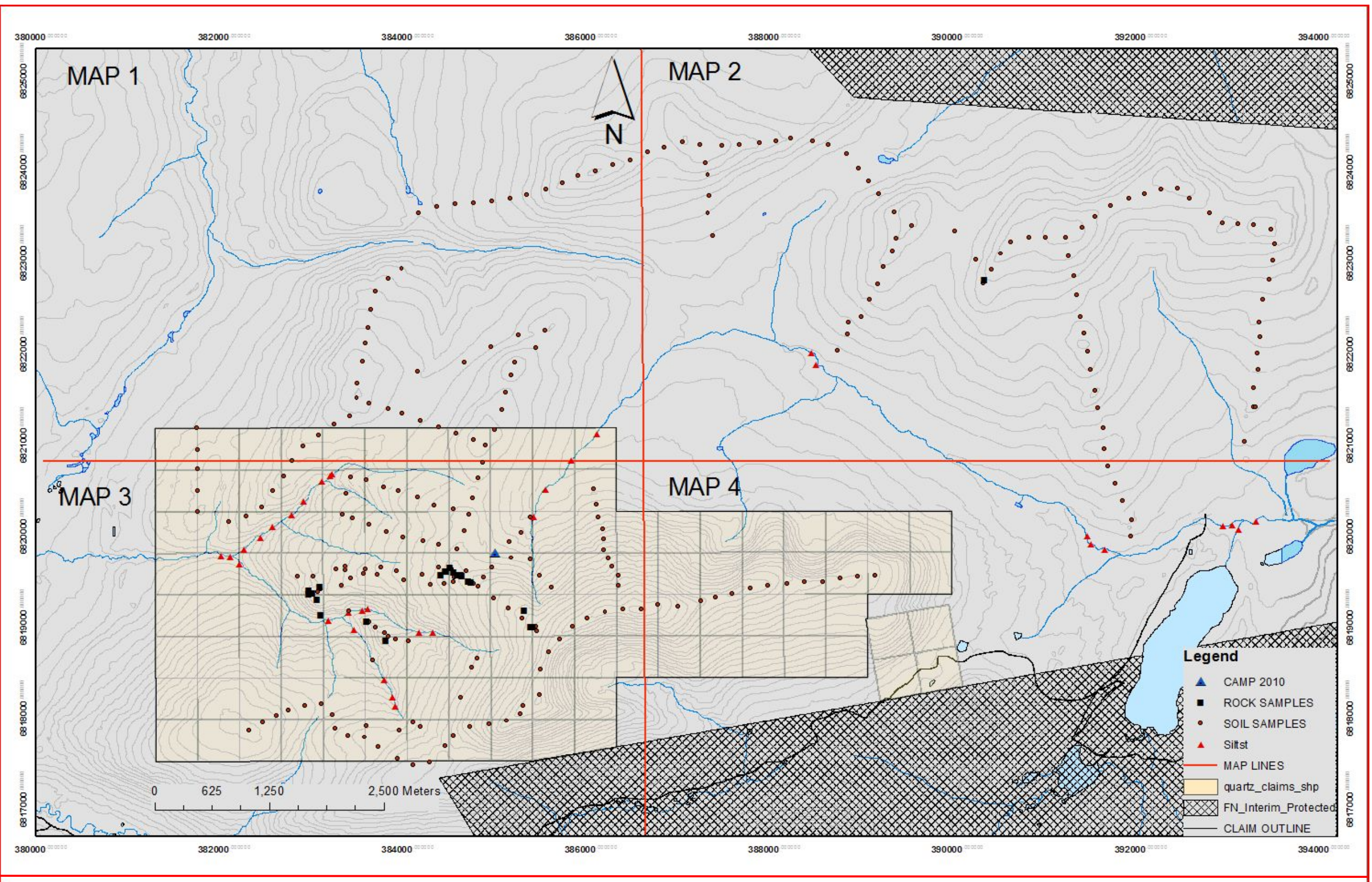


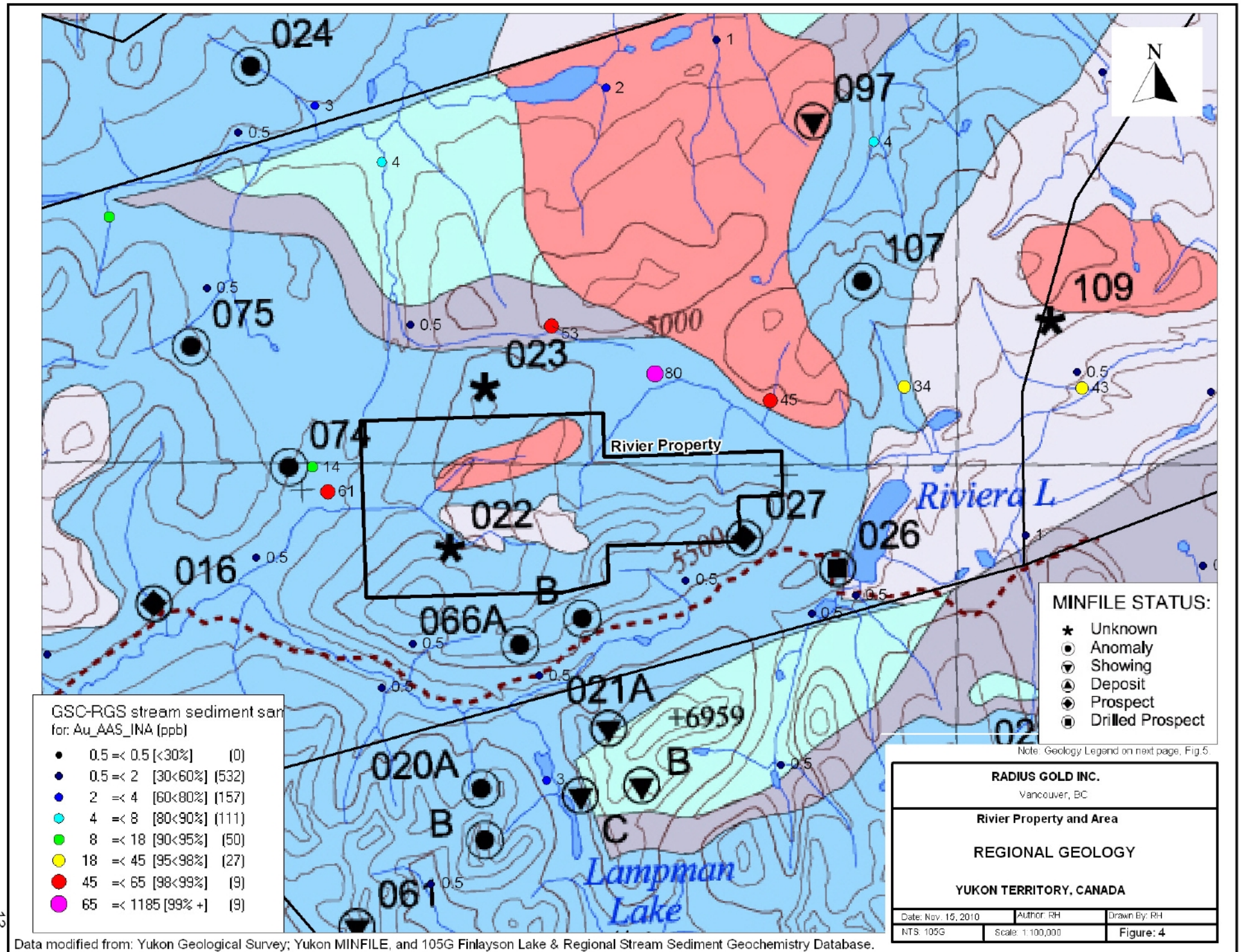
Figure 3: RIVIER SAMPLE PROGRAM 2010

REGIONAL GEOLOGY:

The Rivier project area is located in the Finlayson Lake District of the Yukon Tanana Terrane. The area is underlain by the predominant Paleozoic Finlayson Lake assemblage (Colpron et al, 2006) comprised of a number of subterranean including the Nasina, Slide Mountain and plutonic rocks superimposed on the Nasina subterranean (Figure 4). These rocks have been intruded by Cretaceous granitoid intrusions. Based on exploration models used elsewhere in the Yukon and Alaska these granitoids may be important in the formation of any gold deposits.

Major, predominantly northeast trending regional faults juxtapose the subterranean (Murphy, et al, 2006). About 10 km to the southwest of the project area, the Tintina Fault, a major regional dextral transcurrent fault with approximately 450 km of movement, offsets the Finlayson Lake District from comparable lithologies in the Dawson City – Klondike placer gold district.

Within the Rivier project area a Cretaceous granitoid pluton flanks the north side. A small granitoid pluton elongated in an east / west direction is mapped in the central area near a similar body of mafic to ultramafic rocks. The elongated pluton and ultramafic body imply an east-west structural control. A northeast trending lineament or fault structure is indicated by an alignment of topographical depressions (visible on Figure 6) that trends across the approximate center of the property.



GSC-RGS stream sediment sampling data for Au_AAS_INA (ppb)

- 0.5 <= 0.5 [<30%] (0)
- 0.5 <= 2 [30<60%] (532)
- 2 <= 4 [60<80%] (157)
- 4 <= 8 [80<90%] (111)
- 8 <= 18 [90<95%] (50)
- 18 <= 45 [95<98%] (27)
- 45 <= 65 [98<99%] (9)
- 65 <= 1185 [99%+] (9)

MINFILE STATUS:

- ★ Unknown
- Anomaly
- ▼ Showing
- ▲ Deposit
- ◆ Prospect
- ◻ Drilled Prospect

Note: Geology Legend on next page, Fig. 5


RADIUS GOLD INC. Vancouver, BC		
Rivier Property and Area		
REGIONAL GEOLOGY		
YUKON TERRITORY, CANADA		
Date: Nov. 15, 2010	Author: RH	Drawn By: RH
NTS: 105G	Scale: 1:100,000	Figure: 4

LEGEND

GENERALIZED GEOLOGY:

POST-TERRANE AMALGAMATION/ACCRETION UNITS:


PLUTONIC:

 mKp - mid-Cretaceous post-accretion plutons

SEDIMENTARY / VOLCANIC:

 Qs - Quaternary cover beneath which terrane boundaries cannot be extended with confidence

 Tvs - felsic to mafic volcanic rocks and interbedded terrestrial sediments (Tertiary)


 mKv - mid-Cretaceous pyroclastic intermediate to felsic caldera fill volcanic rocks, South Fork and Mt. Nansen


CRATON MARGIN:

 NA - ANCESTRAL NORTH AMERICA: Lower Proterozoic to Carboniferous passive and offshore continental margin sedimentary rocks, Devonian to Carboniferous clastic wedges and Pennsylvanian to Jurassic-Cretaceous continental margin prism


TERRANES:


DISPLACED CONTINENTAL MARGIN: geologic record not different from that of North America

 CA - CASSIAR: Upper Proterozoic to Upper Triassic passive continental margin sedimentary rocks displaced along the Tintina and Northern Rocky Mountain Trench transcurrent faults

 CAS - ST. CYR SUBTERRANE: Cambrian to Devonian offshore passive continental margin sedimentary rocks between St. Cyr and Tintina transcurrent faults. Stratigraphic dissimilarity with Cassiar Terrane most marked for Silurian-Devonian strata for which St. Cyr Fault defines the abrupt northeast edge of shallow water carbonate platform. Devonian-Mississippian to Triassic strata of this subterrane are like those of Cassiar Terrane elsewhere.

PERICRATONIC: rocks possess elements of passive margin sedimentation but differ in stratigraphic or structural characteristics from the ancestral North American margin


 YTNS - NISLING SUBTERRANE: Proterozoic to lower Paleozoic(?) passive continental margin (= Nisling assemblage)

 YTNA - NASINA SUBTERRANE: Metamorphosed early(?) to mid-Paleozoic continental margin with superposed Late Devonian and Early Mississippian arc volcanic (= Nasina assemblage) and plutonic (YTp) rocks

 YTp - Plutonic rocks superposed on Nasina Subterrane

 YTa - AMPHIBOLITE SUBTERRANE: Amphibolite of uncertain subterrane affinity; may include Slide Mountain Terrane

ACCRETED, INTERMONTANE SUPERTERRANE:

 SM - SLIDE MOUNTAIN: Oceanic and/or marginal basin volcanic and sedimentary rocks of Devonian to Late Triassic age including chert, argillite, sandstone, conglomerate, mafic intrusions, basalt, alpine-type ultramafic rocks, carbonate rocks and local blueschist and eclogite

Note: Legend Accompanies Figure 4, Regional Geology Map.

Figure 5: REGIONAL GEOLOGY LEGEND

PROPERTY GEOLOGY & FIELD MAPPING

Concurrently with geochemical sampling, reconnaissance geological mapping was carried out. Structural measurements and lithological notes were taken in the field while on soil traverse lines and recorded on handheld GPS units. These were then plotted on 1:50k topographic maps using Arc map. See Figure 6, geology map, this map is meant as a guide only and detailed mapping is highly recommended.

Outcrop at two main zones was sampled and is described in field notes as a carbonate altered ultramafic unit. The main northern zone is underlain by listwanite altered ultramafic rock with a rusty-

with varying degrees of quartz - talc - carbonate - Cr-muscovite (mariposite/fuchsite) assemblages (photos 1 and 2). Structure and faulting is complex but a distinct northeast / southwest primary S1 shear structure with a high angle dip to the northwest is evident in the north zone.

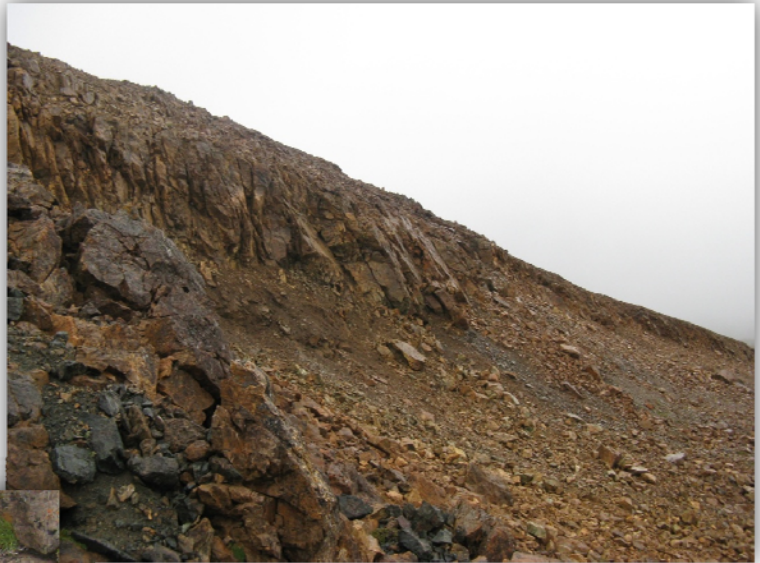


PHOTO 1: CARBONATE ALTERED ULTRA MAFICS

NOTE: Photo 1 was taken near centre of property looking west. Anomalous Au in soils was obtained from area directly above this outcrop.



PHOTO 2: Cr mica (fuchsite / mariposite) altered ultramafics (listwanite) with quartz / carbonate veinlets

Large areas of serpentine felsenmeer were noted in the central core area of the Rivier property (photo 3).



PHOTO 3: SERPENTINE FELSENMEER ZONES-OUTLINED IN RED.

Float of quartz – carbonate was noted along margins of altered ultramafic felsenmeer forming a white linear streak (photo 3). Soil samples RDU-Dx23 and 24 were taken 1 m from this margin and returned anomalous Au (34.2 and 33.6 ppb), Ag (647 and 702 ppb) and As (226.6 and 216.2 ppm). Outcrop at the site was a magnetite-rich serpentinized ultramafic. Linear streaks or “sweats” of bull quartz and carbonate are common over the main ultramafic body on the property and may represent faults, shear structures and contacts.



S1 and S2 measurements plotted on the geology map were recorded at various sites while collecting soil samples.

Primary and secondary structures appear to maintain a uniformity and are relatively high angled and perpendicular with each other throughout. S1 have a general northeast / southwest orientation and dip to the northwest.

PHOTO 4: PRIMARY AND SECONDARY STRUCTURES WITH DAITHI MAC GEARAILT FOR SCALE

S2 are perpendicular with northwest / southeast orientation and dip to the northeast.

PHOTO 5: SOUTHERN ZONE LOOKING SOUTHWEST WITH PRIMARY SHEARING IN RED



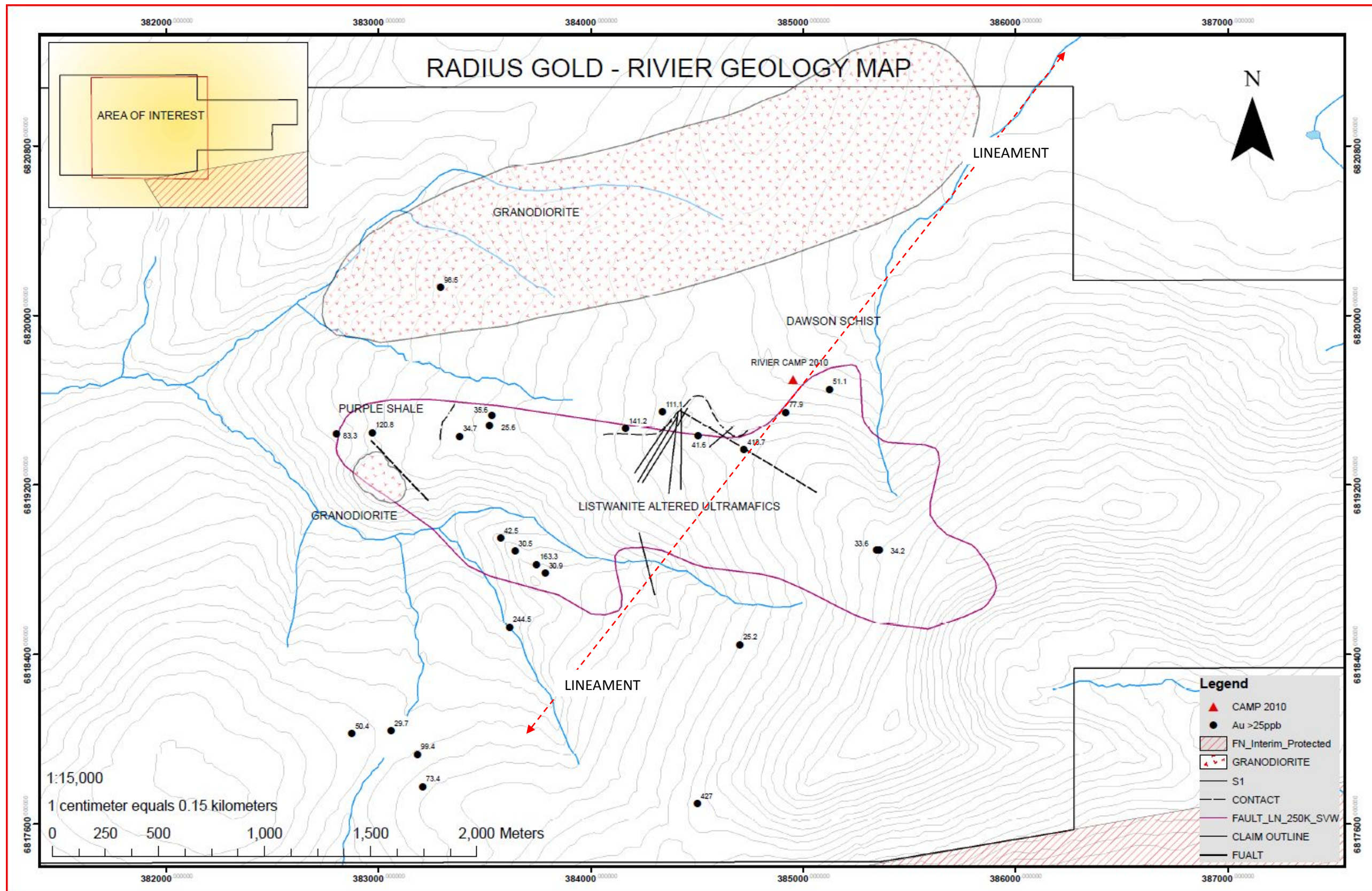


Figure 6: RADIUS GOLD - GEOLOGY MAP

Figure 6, above shows a possible northeast / southwest trend to S1 structures within the main area of interest on the Rivier property. The purple geological outline is taken from the YGS geology map (www.geomaticsyukon.ca) for the area and is recorded as a fault and complements the main altered ultramafic unit previously discussed. Of course all contacts of the ultramafic unit with the surrounding country rock will be faulted. Black dots are Au in soils above 25 ppb up to 427 ppb (discussed below in more detail in 'Geochemistry'). High Au values also appear to trend in a northeast southwest direction. S2 structures are perpendicular to S1 and are coincident with two faults that were noted on the property. Lithology directly west of the main zone is composed of chloritic / seracite schist (Dawson Schist) with more carbonaceous black and purple shales and greywacke to the north. Outcrop in these areas is poor.

GEOCHEMISTRY

Soil Sampling:

An idealized soil sample traverse line was laid out and uploaded onto GPS units. This was then used as a rough guide and followed with actual sample sites being picked in the field. 267 soil samples in total were collected. An effort was made to keep samples roughly at 200 m intervals. Soil augers were used to collect samples from the C horizon. All sample sites were flagged with biodegradable flagging tape and marked with the sample ID number. All sample data was logged in the field and actual sample sites were recorded using handheld GPS units (accuracy 5-7 m). Ten samples were collected without the use of a GPS (RDU-C-006 to RDU-C-015) and were marked at the time on a 1:50,000 map in the field. This occurred as a result of a GPS failure in the field. It was felt by the sampler that he would be unable to return again to this section of the property due to time constraints and that the marked map locations would be at least represent the actual locations. These samples are the ten most southwesterly plotted samples within the Rivier claim boundary. Samples were collected in Kraft paper soil bags and each sample was given a unique sample ID number. All samples were sent to ACME Laboratories in Whitehorse for sample preparation and analysed in Vancouver by ICP-MS ultratrace. Sample descriptions, locations, analytical results and descriptive statistics are in Appendix A while Certificates of Analysis detailing the analytical procedures along with complete results are in Appendix B.

Silt Samples:

A total of 37 silt samples were collected from stream courses both on and surrounding the property. Sample site selection was done by targeting sediment traps where gravels appeared coarse, tightly packed and poorly sorted with a sand and/ or silt matrix. All sample data was logged in the field and actual sample sites were recorded using handheld GPS units (accuracy 5-7 m). Samples were collected in Kraft paper soil bags and each sample was given a unique sample ID number. All samples were sent to ACME Laboratories in Whitehorse for sample preparation and analyzed in Vancouver by ICP-MS ultratrace. Sample descriptions, locations and analytical results are in Appendix A while Certificates of Analysis detailing the analytical procedures along with complete results are in Appendix B.

Rock Samples:

A total of 22 rock samples were collected from outcrop or sub-crop sites. All sample data was logged in the field and actual sample sites were recorded using handheld GPS units (accuracy 5-7m). A duplicate of each sample was retained for reference and each sample was described and photographed back in camp. Samples were shipped in plastic, zip strapped rock sample bags supplied by the laboratory. Each sample was given a unique sample ID number. All samples were sent to ACME Laboratories in Whitehorse for sample preparation and analyzed in Vancouver by ICP-ES. Gold was analyzed by fire assay fusion followed by ICP-ES. Sample descriptions, locations and analytical results and descriptive statistics are in Appendix A while Certificates of Analysis detailing the analytical procedures along with complete results are in Appendix B.

Geochemistry Results:

Results from this initial first pass of soil sampling have highlighted two main zones with elevated Au, As and Sb, and to a lesser degree Ag, with the highest results for each being: Au- 427 ppb, Ag- 8042 ppb, As- 3390.5 ppm and Sb -124.6 ppm (Figures 15 to 22, following 'REFERENCES'). Rock samples returned a high gold value of 176 ppb, ten samples out of 22 collected returned >300 ppm As and up to 106 ppm Sb. Stream sediment samples returned values ranging from 0 ppb to 98.4 ppb Au with the two highest silt samples for gold being obtained from high up in the main watercourse draining the centre on the property. These two samples (RDU-SLT-001 +002) returned Values of Au-22.7 ppb and Au-98.4 ppb respectively and show coincident elevations in As, Sb and Ag. It would appear from this brief silt survey that dilution of geochemical signatures is rapid in the area and best results are obtained from 1st and 2nd order streams.

The lack of coincident anomalous values from soil samples in primary VMS style mineralogy such as Cu, Zn and Pb would appear to indicate the unlikelihood of a buried VMS deposit. The relationship and relative abundance Sn, Se, Mn, In, Te, Ga and Ge, which are also important pathfinder mineralogy for VMS deposits is poorly understood at this time as the sample size and distribution is too small. Co, Cd and Bi which are significant pathfinders of VMS in the area and are present but appear unrelated to the Au, Ag and As on the property with Bi only appearing elevated off the margin of a known granitic intrusion to the north. The presence of chromium mica-altered serpentinized ultramafics with coincident elevated values for Au, As, Sb and Ag coincide with listwanite – lode gold deposit model for the Canadian Cordillera. Table 1, shows a list for potential pathfinder elements for known gold in listwanite deposits.

Table 2: POTENTIAL PATHFINDER ELEMENTS FOR GOLD IN LISTWANITE (Ash and Arksey 1989)

LOCATION	STRONG POSITIVE CORRELATION WITH Au	POSITIVE AND SPORADIC CORRELATION WITH Au	SOURCE
ATLIN, BC			
YELLOW JACKET	As, Sb	Ag	
PICTOU	As, Sb	Ag, Cd, Cu, Pb, Zn	Bozek (1989)
CASSIAR, BC			
ERICKSON	As, Ba, K, B	Ag, Cu, Pb, Zn, Sb	Sketchley (1986)
WASHINGTON STATE			
MOUNT VERNON	Li	K, Na, Zn, Pb	Gresens et al (1982)
EUROPEAN OPHIOLITES	As, K	Sb, Ba, Bi, Ag, Cu	Buisson and Leblanc (1985)

From Table 2, we see that the Rivier property possesses geochemical similarities both with the Yellow Jacket and the Pictou (i.e. sporadic Cd) prospects of Atlin, BC, both typical mesothermal – mother lode type deposits.

The Rivier property is underlain by the predominant Paleozoic Finlayson Lake assemblage (Colpron, et al, 2006) comprised of a number of subterrains including the Nasina, Slide Mountain and plutonic rocks superimposed on the Nasina subterranean. The Rivier property covers or is close to the boundary line, or terrane suture, dividing arc and non arc rocks postulated by Murphy et al (2006, Figure 6). This geological setting is similar to the classic mesothermal mother lode deposits in the Sierra Nevada of California which also lie along a terrane suture marked by mafic, ultramafic rocks and Cretaceous granitoids (Boyle, 1979).

Listwanite-associated lode gold deposits are found in similar tectonic settings in British Columbia with serpentinized and carbonated ultramafic rocks that are characteristic of tectonically disrupted ophiolite sequences in accreted oceanic terranes. This tectonic setting produces thrusting and stacking of units, favourable host rocks (serpentinite), and regional-scale reverse and normal faults to channel fluid flow. Accreted oceanic terranes of Paleozoic to Mesozoic age, containing dismembered ophiolite packages occur along the length of the Canadian Cordillera and include the Cache Creek, Slide Mountain and Bridge River terranes.

Gold mineralization at the Yellow Jacket prospect is concentrated along fault structures and is also associated with quartz veining and listwanite (quartz-carbonate-mariposite) alteration of ultramafics. The Yellow Jacket was drilled by The Homestake Mineral Development Company between 1986 and 1988 and again by Muscox Minerals Corp In 2004. Some spectacular results were reported as is typical of mother lode type deposits. Mother lode deposits in California averaged 0.30 ounces gold to the ton (Boyle, 1979).

CONCLUSIONS:

The 2010 program located an approximate 2.5 km and 2.0 km gold in soil anomaly (> 14.7 ppb – 427 ppb) centered over and around an east – west elongated listwanite altered ultramafic body. The gold in soil anomaly is coincident with anomalous values for silver, antimony and arsenic. The listwanite altered ultramafic body is bounded by faults and the property also appears to be cross cut by a strong northeast trending lineament (fault?) through the approximate center of the property.

The anomalous geochemical signature for gold, silver, antimony and arsenic in soil and stream sediment samples along with the geological setting; being centered over and around a fault bounded listwanite altered ultramafic situated on a terrane boundary points towards the potential for mesothermal mother lode type gold mineralization.

RECOMMENDATIONS:

Based on the above results and resulting conclusions from the 2010 field program further work is warranted and recommended. In particular a tight spaced detailed soil grid over the most significant anomalous soils is recommended. Samples should be spaced at 50 m intervals on 100 m line spacing in a northwest / southeast orientation. Particular attention should be paid to sampling depth with the target horizon being as close to bedrock as possible i.e. C-horizon. A grid of this size would consist of roughly 1800 samples.

Detailed mapping of faults both within and marginal to ultramafic rocks is recommended as these will be the most likely sites for the localization of alteration along with margins and contacts.

A high resolution aeromagnetic survey would be ideal but depending on budget a ground magnetic / VLF survey can produce excellent results and is recommended over the detailed soil grid area to try and delineate fault structures and contacts. Particular attention should be paid to linear magnetic lows where magnetite in the ultramafic rocks has been destroyed by carbonatization of fluids traveling along fault structures creating zones of low magnetic susceptibility.

Detailed mapping of the afore mentioned linear quartz / carbonate “sweats” with an emphasis on trying to determine if there is a direct correlation between them and high Au, As, Sb and Ag in soils. These quartz / carb horizons are ideal first pass targets and may be indicative of underlying fault structures.

It appears that the geochemical anomaly on the Rivier property is open to the south and further reconnaissance work should be done in both the areas directly south and west of the existing claim block where Yukon MINFILE occurrences and anomalous As and Au values from silts samples are also located. Additional staking may be warranted subject to results.

The eastern section of the property adjacent to the Leo claims has had little attention in recent years and should be investigated to evaluate its mineral potential.

Follow up trenching and possibly drilling is recommended if coincident geochemical and geophysical anomalies are discovered.

STATEMENT OF COSTS:

The following costs were incurred during the period August 11, 2010 – December 31, 2010.

Table 3: STATEMENT OF COSTS

Rivier claims and surrounding region.			
NTS: 105G/6 & 105 G/11			
<u>Geochemistry</u>			
	<u>No.</u>	<u>\$/Sample</u>	<u>\$Subtotal</u>
Rock Samples	22	28.23	621.02
Soil Samples	267	28.04	7487.96
Stream Sediment	34	26.74	909.26
			\$9,018.23
<u>Personnel</u>			
Aurora Geosciences Ltd.	<u>Days</u>	<u>Daily Rate</u>	<u>Subtotal</u>
3 person crew (mob-demob)	2	1400	2800.00
3 person crew (field)	11	1400	15400.00
Equipment Preparation			350.00
			\$18,550.00
<u>Field Expenses</u>			
Aurora Geosciences Ltd.	<u>Days/hrs</u>	<u>Rate/item</u>	
Camp Rental	13	280	3640.00
Truck Rental	13	150	1950.00
Food			971.16
Field Expenses			59.90
Gas/propane			354.75
Helicopter (206)	8.4	1143.43	9604.79
Bulk Jet Fuel			1200.90
			\$17,781.50
<u>Report and Project Management</u>			
Aurora administration charges			665.46
R. Hulstein	1	500	500.00
D. MacGearailt	6	500	3000.00
Drafting & Reproduction			850.00
			\$5,015.46
GST on Expenses (Aurora)			<u>\$1,517.13</u>
Total Project Cost			\$51,882.32

STATEMENT OF QUALIFICATIONS:

I, Daithi Mac Gearailt, of:

Dawson City, Yukon Territory

Y0B 1G0,

867-993-6155

Do hereby certify that:

1. I am a mineral exploration geologist with over 4 years of experience working in the Yukon and Alaska.
2. I am a graduate of National University of Ireland-Galway (NUIG), with an honors degree in geology (B.Sc., 2007) and have been involved in geology and mineral exploration continuously since 2007.
3. I am a member of The Yukon Chamber of Mines, The Association for Mineral Exploration British Columbia, AME BC and of the Irish Association of Economic geology (IAEG).
4. I am the author of this report on the Rivier Property located in the Watson Lake District, Yukon.

The report is based on my personal examination of the ground on August 18 - 28, 2010 and on referenced sources.

Daithi Mac Gearailt, B.Sc.

November 15, 2010

REFERENCES:

- Ash, C.H and Arksey, R.L., 1990. The Listwanite – Lode Gold Association In British Columbia
- Boyle, R.W., 1979. The Geochemistry of Gold and Its Deposits, Geological Survey of Canada, Bulletin 280, p. 256.
- Colpron, M., Nelson, J.L. and Murphy, D.C., 2006. A tectonostratigraphic framework for the pericratonic terranes of the northern Canadian Cordillera, *in* Colpron, M. and Nelson, J.L., eds., Paleozoic Evolution and Metallogeny of Pericratonic Terranes at the Ancient Pacific Margin of North America, Canadian and Alaskan Cordillera: Geological Association of Canada, Special Paper 45, P. 1-23.
- Murphy, D.C., Mortensen, J.K., Piercy, S.J., Orchard, M.J. and Gehrels, G.E., 2006. Mid-Paleozoic to early Mesozoic tectonostratigraphic evolution of Yukon-Tanana and Slide Mountain Terranes and affiliated overlap assemblages, Finlayson Lake massive sulphide district, southeastern Yukon, *in* Colpron, M. and Nelson, J.L., eds., Paleozoic Evolution and Metallogeny of Pericratonic Terranes at the Ancient Pacific Margin of North America, Canadian and Alaskan Cordillera: Geological Association of Canada, Special Paper 45, P. 1-23.
- Potter, R.G., 1988. Geological and Geochemical Report on the QC Claims. Yukon Geological Survey, Assessment Report 092739.
- Yukon MINFILE – A database of mineral occurrences. Available digitally:
www.geology.gov.yk.ca/databases/download/html
- Yukon Spatial Data: Corporate Spatial Warehouse Data. Available digitally:
www.geomaticsyukon.ca

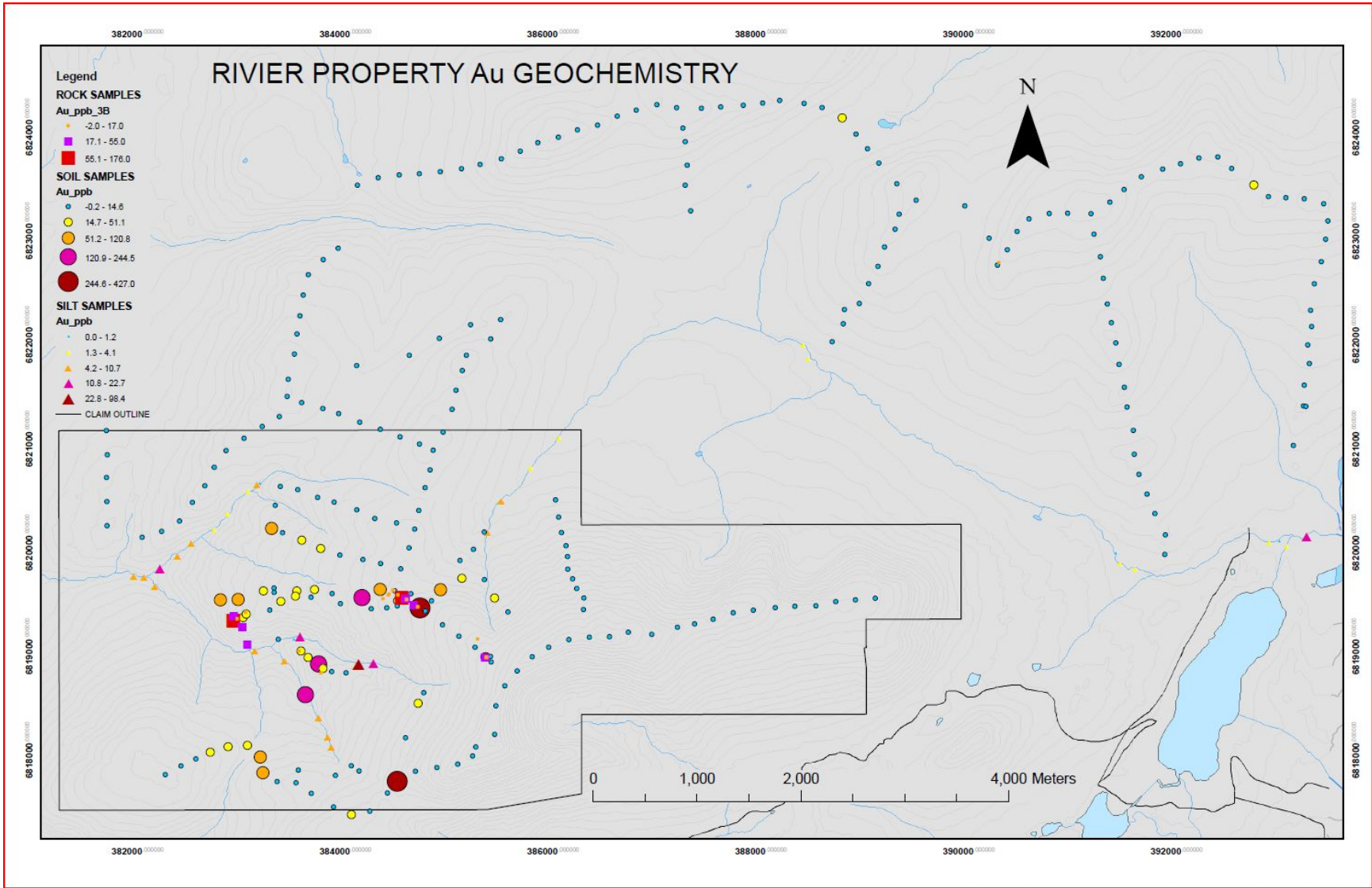


Figure 7: Au GEOCHEMISTRY

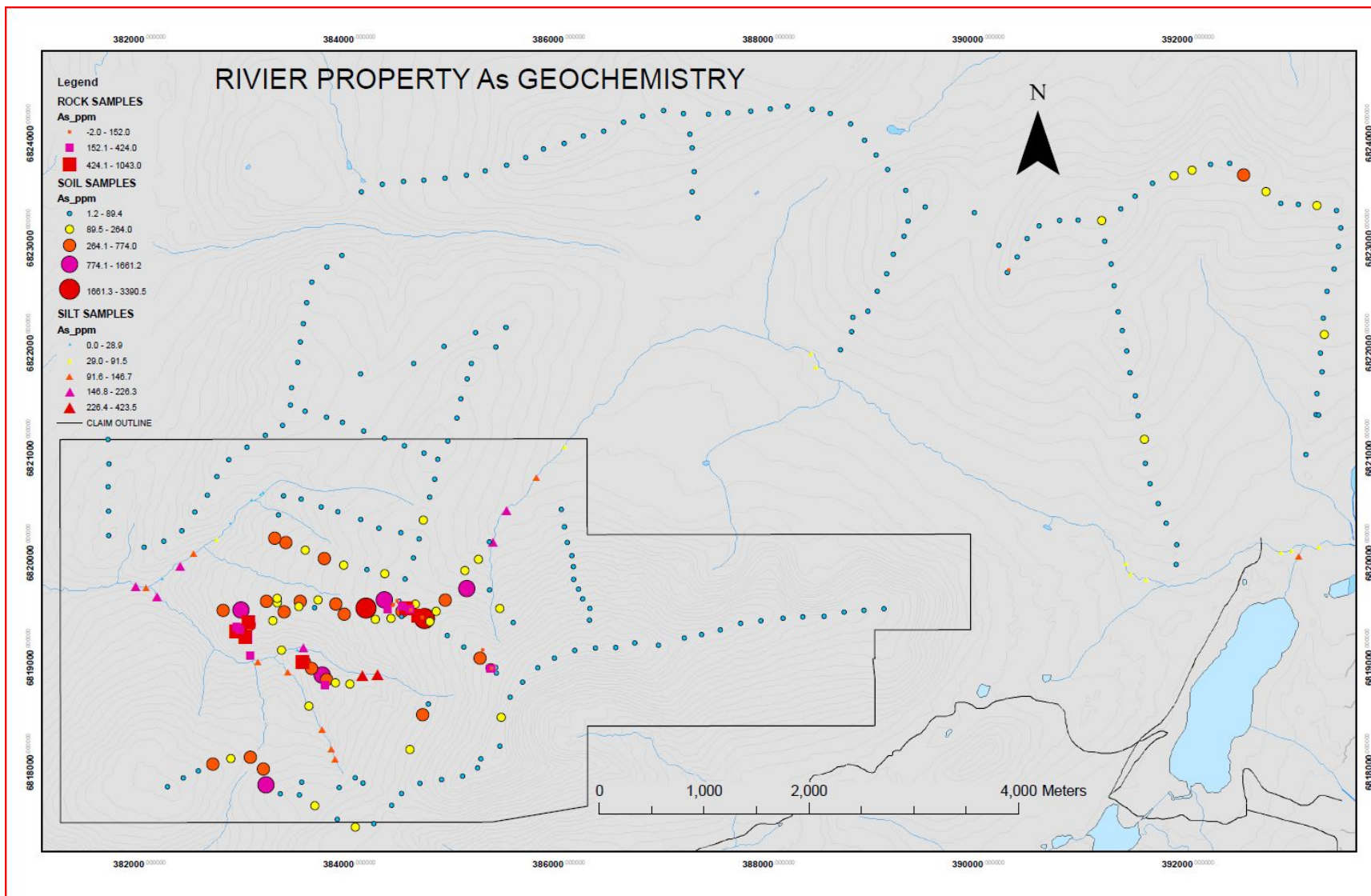


Figure 8: As GEOCHEMISTRY

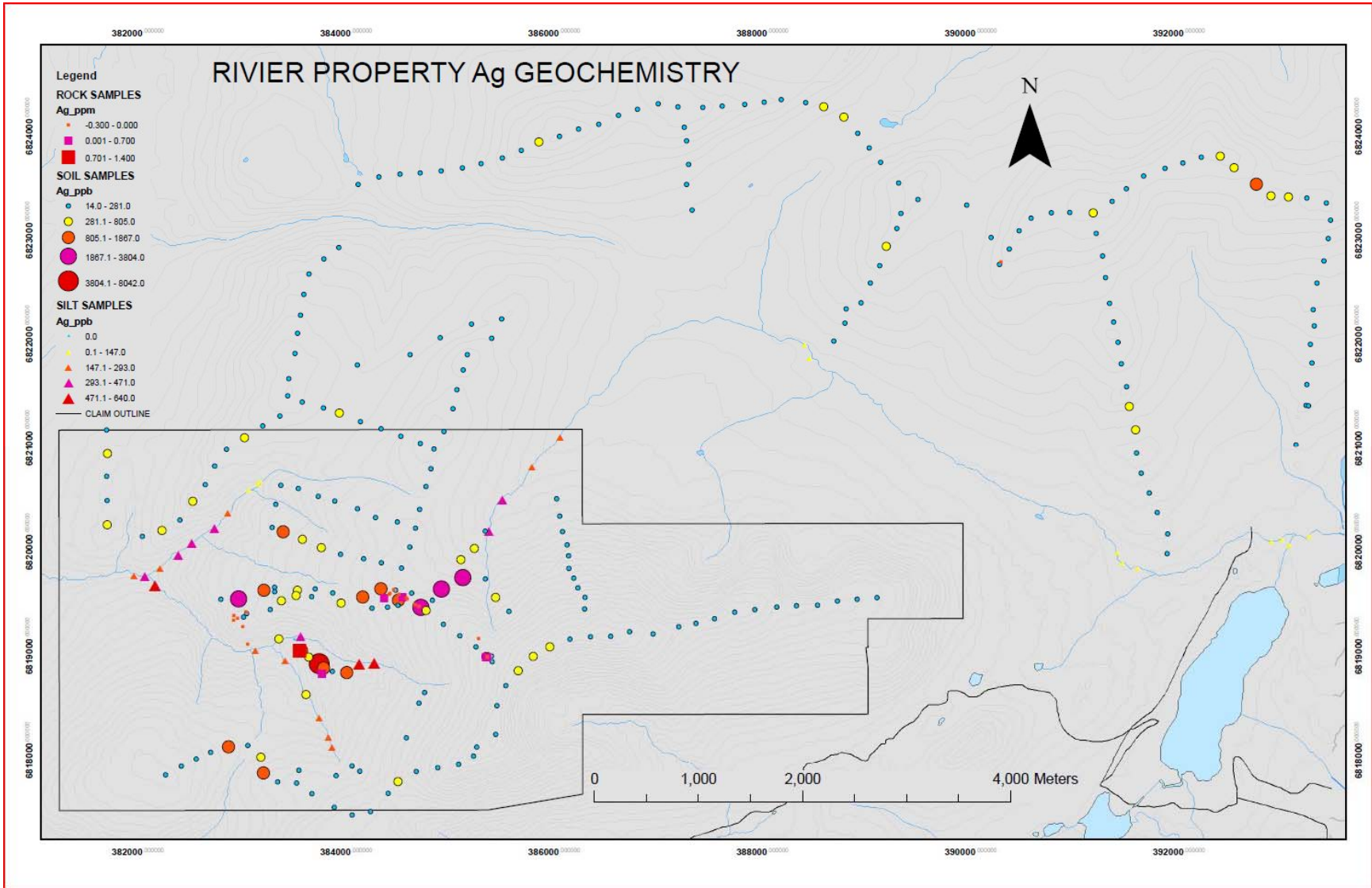


Figure 9: Ag GEOCHEMISTRY

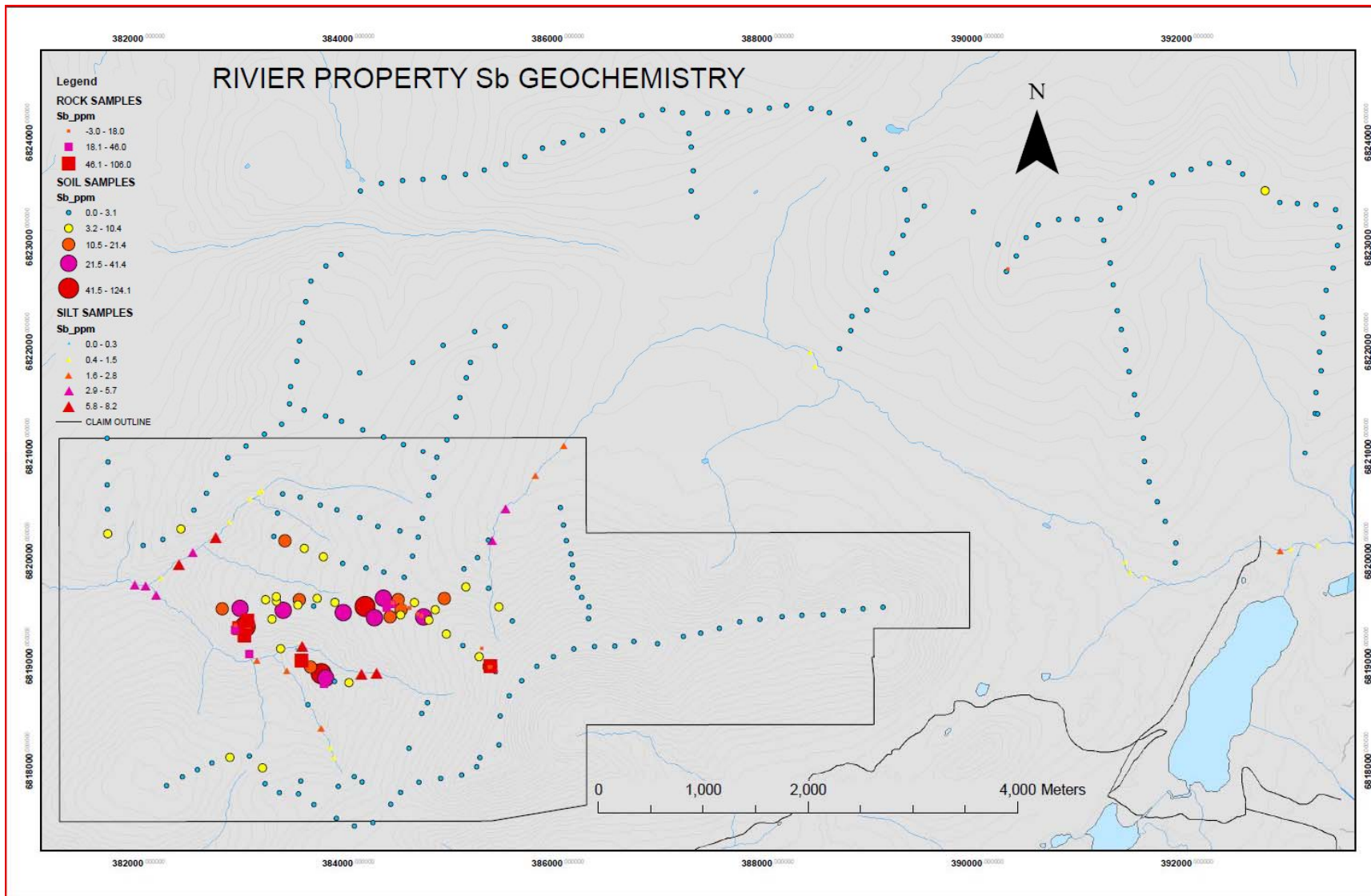


Figure 10: Sb GEOCHEMISTRY

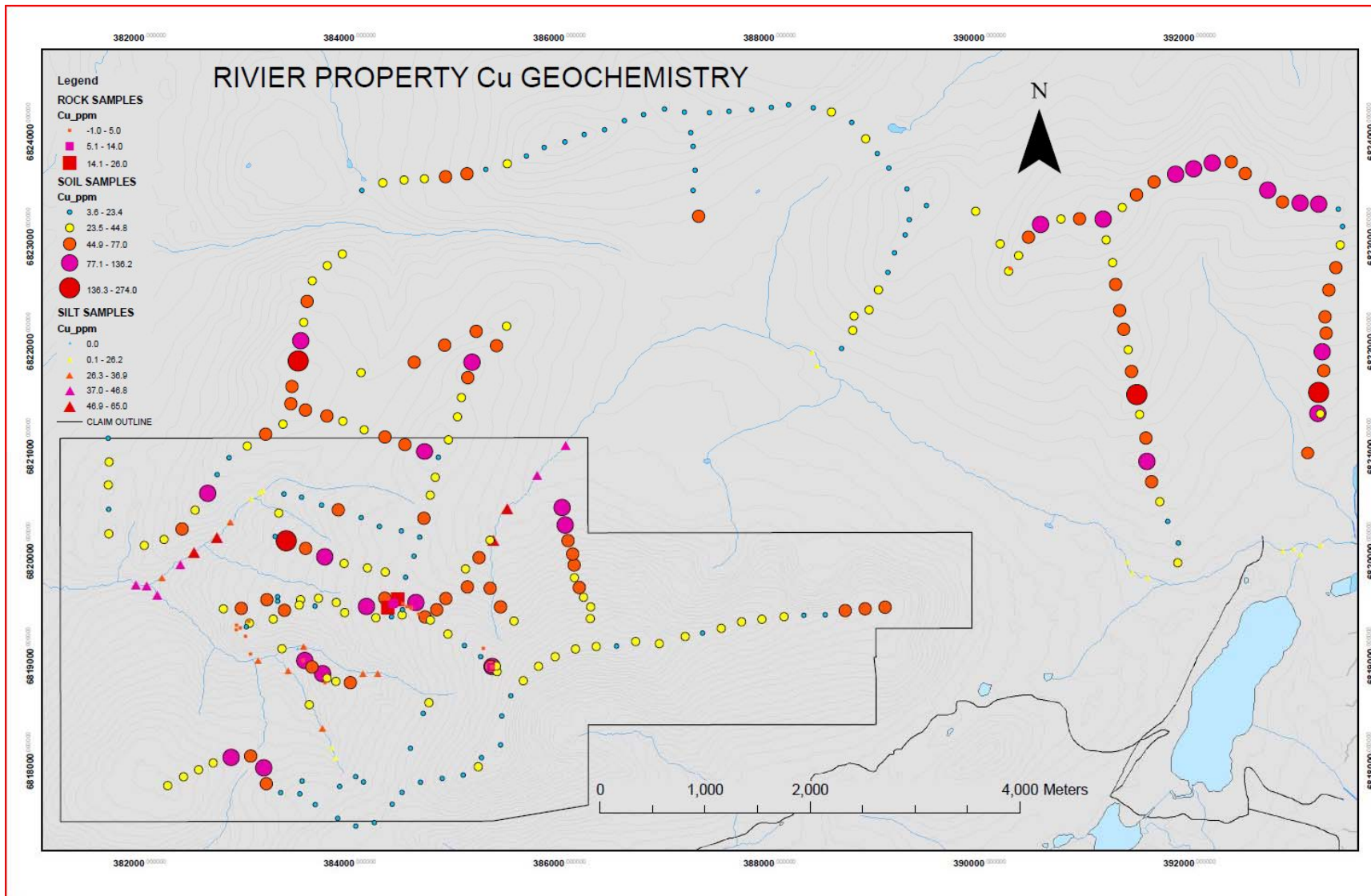


Figure 11: Cu GEOCHEMISTRY

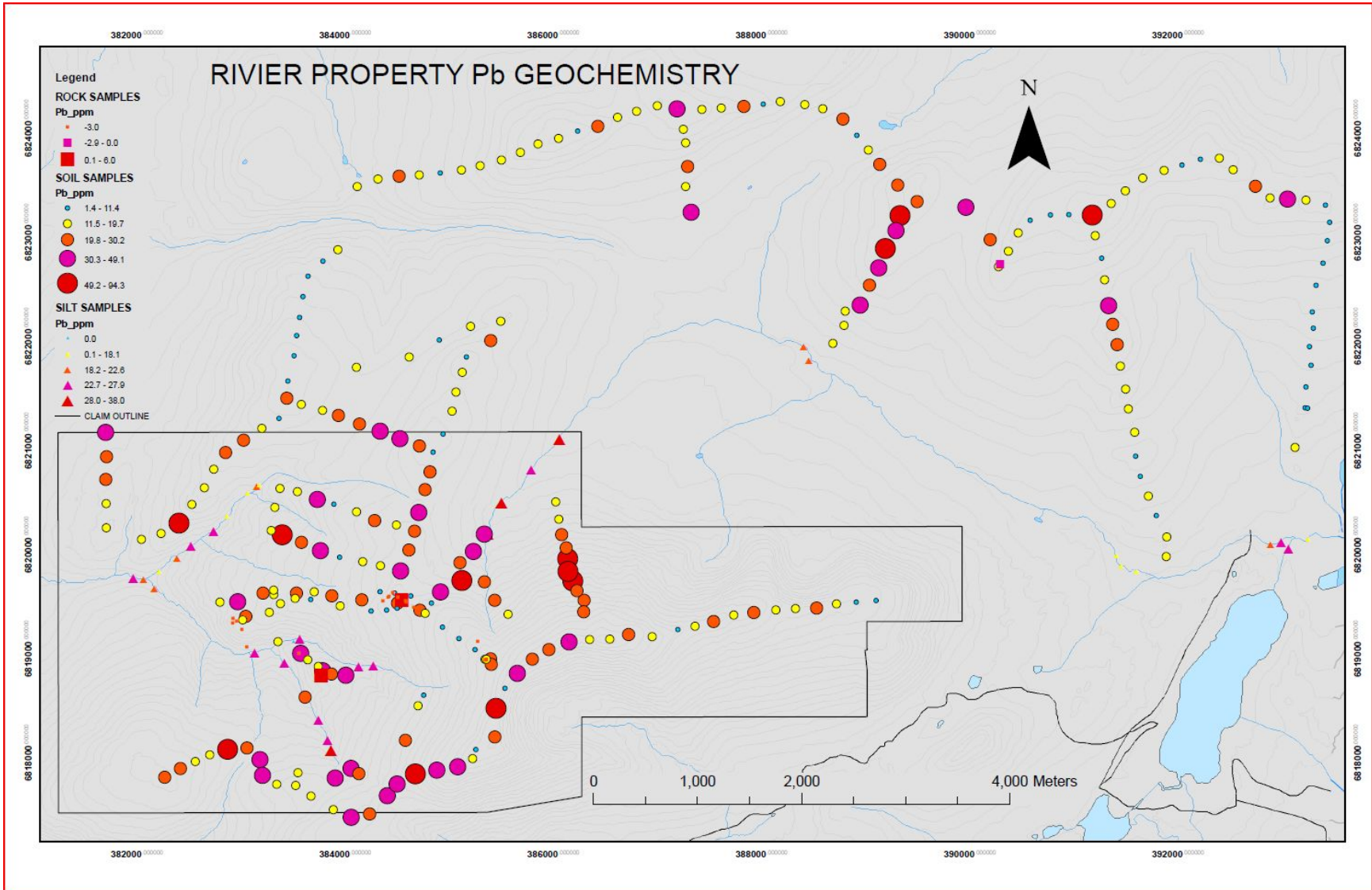


Figure 12: Pb GEOCHEMISTRY

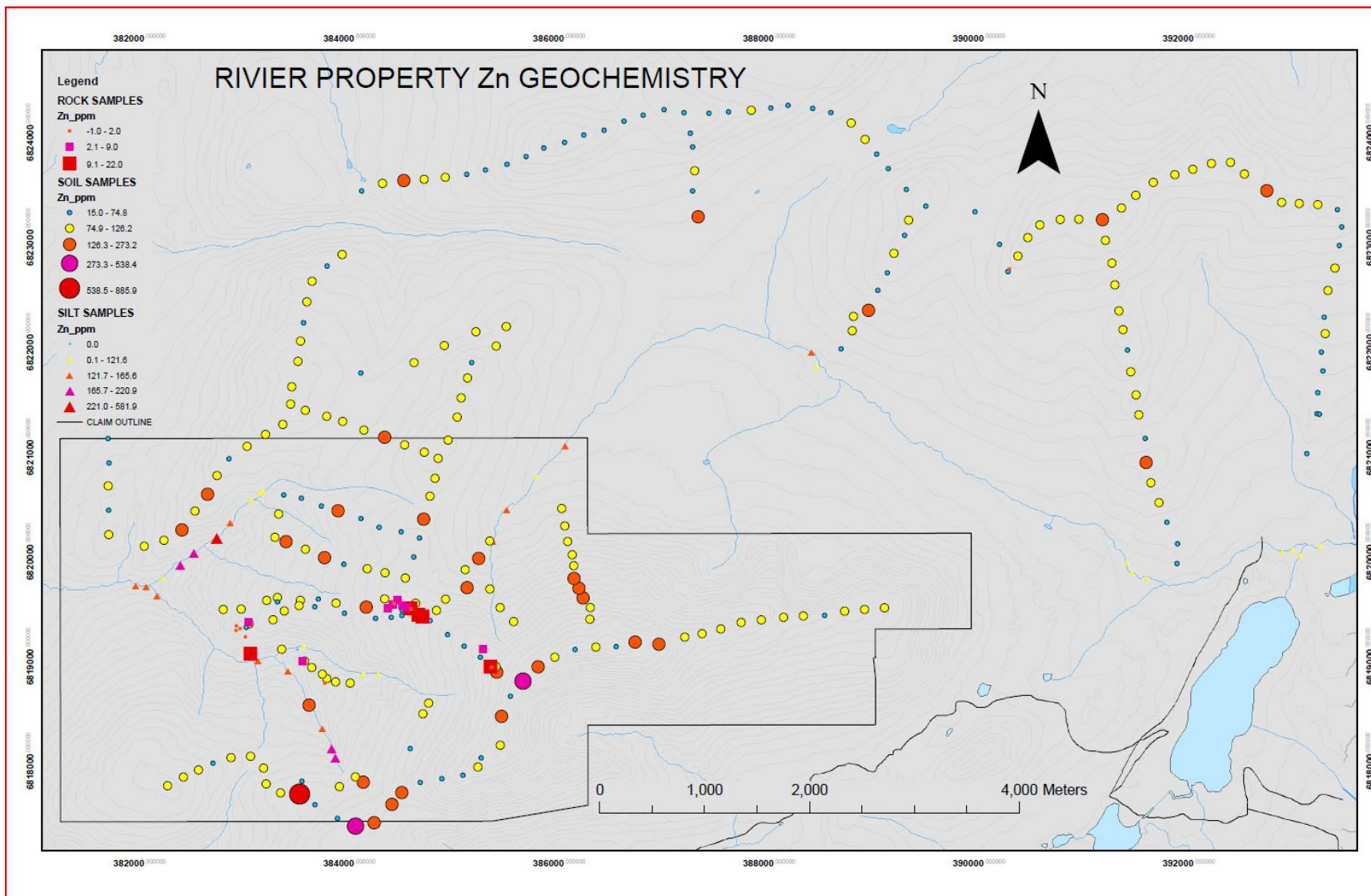


Figure 13: Zn GEOCHEMISTRY

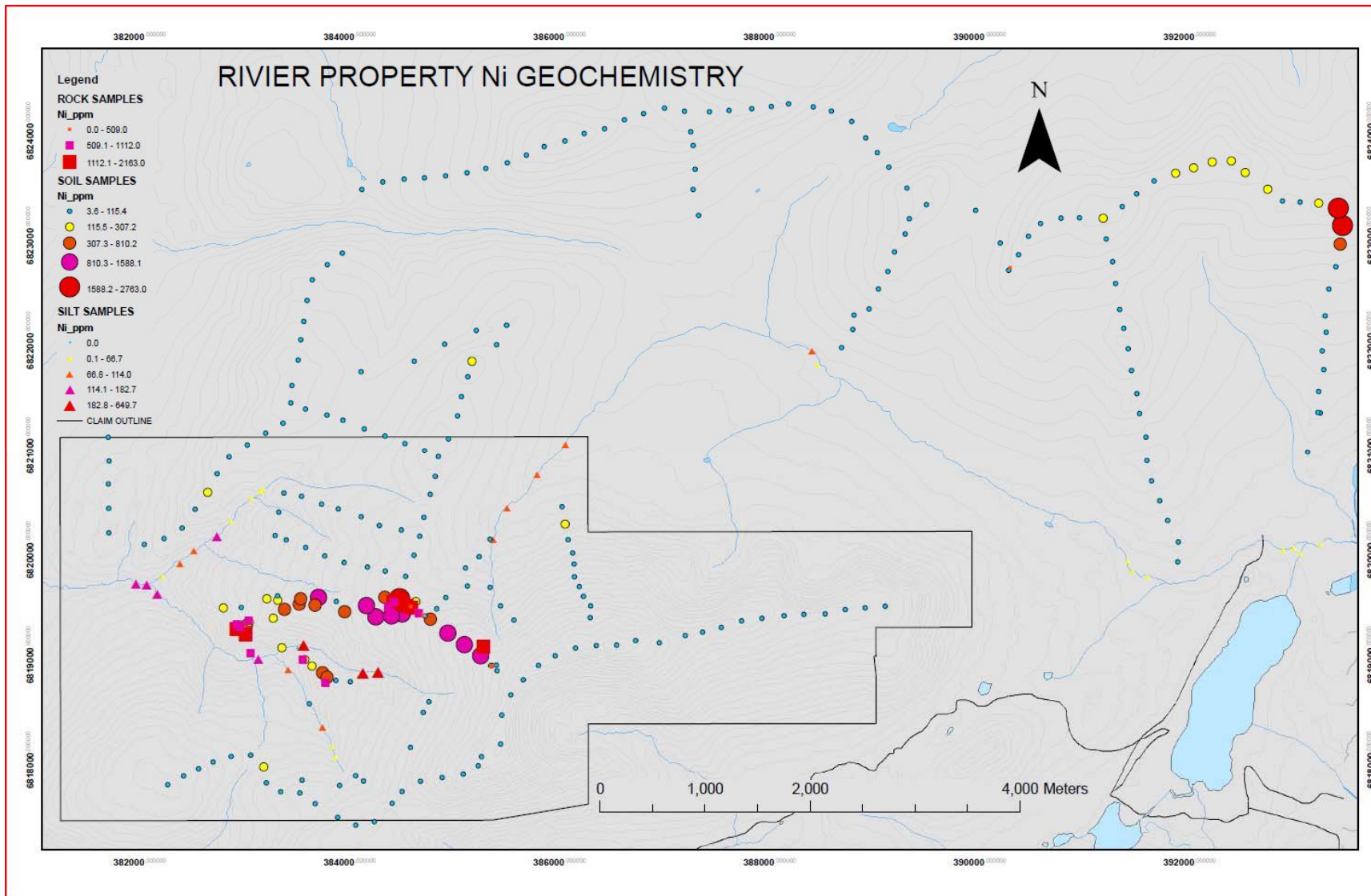



Figure 14: Ni GEOCHEMISTRY

APPENDIX A

Sample Numbers, Locations, Analytical Results
& Descriptive Statistics

Radius Gold Inc.				2010 Rivier Project NTS: 105G/6 & 105G/11														
				Method	WGHT	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	
				Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn				
SAMPLE				PHOTO	DUPLICATE	Unit	KG	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	
NUMBER	EASTING	NORTHING	SAMPLER	DESCRIPTION	Y/N	Y/N	Date	MDL	0.01	2	1	1	3	1	0.3	1	1	2
114501	384459	6819540	DMG	From north zone. Dark green to blk meta volcanic mafic protolith, possibly ultra mafic-Heavily altered with Qtz alt and clay alt also. Contains chrom mica (CM) Fuschite? Schistose.	Y	Y	Aug-21-2010	Rock	1.79	<2	<1	24	<3	9	<0.3	1260	50	315
114502	383040	6819330	DMG	South Zone? Altered meta volcanic.Felsic? Light coloured with chrom mica	y	y	Aug-21-2011	Rock	1.2	17	<1	5	<3	4	<0.3	719	32	462
114503	384698	6819378	DMG	Brecciated bull qtz w/ oxi fracture planes	Y	N	Aug-22-2010	Rock	0.96	<2	<1	1	<3	12	<0.3	39	<1	180
114504	384661	6819397	DMG	Qtz/Carb alt meta Vol w/ chrom mica	y	y	Aug-22-2010	Rock	0.65	24	<1	2	<3	16	<0.3	898	47	320
114505	384546	6819466	DMG	Qtz/Carb Grn meta Vol with chrom mica alt Serpentinized meta v- protolith basaltic / ultra mafic ?	y	n	Aug-22-2010	Rock	0.68	137	<1	5	6	3	0.4	1340	51	549
114506	384506	6819490	DMG	qtz / carb meta-v. Veining, oxi rind	y	y	Aug-22-2010	Rock	0.45	<2	<1	2	<3	6	<0.3	2163	124	729
114507	383768	6818738	DMG	qtz / carb meta-v. Veining, oxi rind	y	y	Aug-22-2010	Rock	0.7	<2	<1	1	3	<1	0.6	970	34	700
114508	383556	6818951	DMG	qtz / carb meta-v. Veining, oxi rind	y	y	Aug-22-2010	Rock	0.8	11	<1	3	<3	3	1.4	1112	52	641
114509	384589	6819451	DMG	Qtz / carb alt grn meta v- w/ oxi rind.	y	y	aug-23-2010	Rock	0.79	<2	<1	<1	<3	<1	<0.3	1501	50	548
114510	384584	6819458	DMG	qtz / carb meta v, banded w/ chrom mica, oxi on fractures and rind.	y	y	aug-23-2010	Rock	0.81	55	<1	3	<3	22	<0.3	509	25	758
114511	384425	6819505	DMG	qtz/carb agrn alt meta v. w/ mng spots-	y	y	aug-23-2010	Rock	0.66	3	<1	8	<3	<1	<0.3	749	37	426
114512	384416	6819498	DMG	qtz/carb agrn alt meta v. w/ mng spots-	y	y	aug-23-2010	Rock	0.53	4	<1	14	<3	3	<0.3	1251	50	618
114513	384367	6819461	DMG	qtz/carb agrn alt meta v. w/ mng spots-qtz/carb/grn chrom mica alt.thick oxi rim.	y	y	aug-23-2010	Rock	1.34	6	<1	26	<3	3	0.7	689	42	615
114514	383056	6819020	DMG	Typical looking	y	n	aug-24-2010	Rock	0.61	21	<1	3	<3	11	<0.3	1011	45	361
114515	382922	6819248	DMG	qtz/carb meta-v, chrom mica	y	y	aug-24-2010	Rock	0.6	176	<1	2	<3	1	<0.3	1323	61	766
114516	382926	6819289	DMG	qtz/carb meta-v, chrom mica	y	y	aug-24-2010	Rock	0.98	52	<1	<1	<3	2	<0.3	965	54	375
114517	382960	6819267	DMG	qtz/carb meta-v, chrom mica	y	y	aug-24-2010	Rock	0.99	15	<1	4	<3	<1	<0.3	1038	43	451
114518	383010	6819188	DMG	qtz/carb meta-v, chrom mica	y	y	aug-24-2010	Rock	0.93	27	<1	4	<3	<1	<0.3	1288	62	155
114520	385275	6819073	LB	a magnetite rich serpenzenized ultra mafic ? qtz/carb vein mixed into qtz carb altered	y	y	Aug-27	Rock	1.15	<2	<1	<1	<3	5	<0.3	1693	92	256
114521	385359	6818895	DMG	mata-v w/grn chrom mica alt	y	y	Aug-27	Rock	0.81	<2	<1	<1	<3	1	<0.3	473	21	676
114522	385359	6818895	DMG	typical qtz/carb chrom mica alt etc.	y	y	Aug-27	Rock	0.6	<2	<1	1	<3	<1	0.4	385	16	1151
114523	385346	6818896	DMG	bull qtz	y	y	Aug-27	Rock	0.93	31	<1	11	<3	19	0.6	7	<1	132

Radius Gold I																												
2010 Rivier P																												
	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Sc	Ga				
SAMPLE	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	%	PPM	PPM				
NUMBER	0.01	2	2	2	1	0.5	3	3	1	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	5	5	Certificate			
114501	2.45	<2	<2	<2	142	0.6	5	<3	19	2.03	<0.001	2	699	13.45	26	<0.001	<20	0.4	<0.01	0.03	<2	<0.05	13	<5	WHI10000419			
114502	2.41	697	<2	<2	10	<0.5	75	<3	9	0.33	<0.001	<1	203	7.91	12	<0.001	<20	0.03	<0.01	0.01	<2	0.3	<5	<5	WHI10000419			
114503	0.71	9	<2	<2	215	<0.5	<3	<3	2	6.99	<0.001	<1	9	4.56	5	<0.001	<20	0.01	<0.01	<0.01	<2	<0.05	<5	<5	WHI10000419			
114504	3.03	575	<2	<2	9	0.5	8	<3	9	0.09	<0.001	2	253	14.31	23	<0.001	<20	0.02	<0.01	0.01	<2	0.06	<5	<5	WHI10000419			
114505	2.88	555	<2	<2	207	0.6	18	<3	8	1.76	0.001	2	408	14.8	101	<0.001	<20	0.02	<0.01	<0.01	4	0.08	<5	<5	WHI10000419			
114506	5.71	181	<2	<2	1	1.1	5	<3	18	0.01	<0.001	2	1434	17.03	6	0.001	134	0.13	<0.01	<0.01	<2	<0.05	7	<5	WHI10000419			
114507	3.73	402	<2	<2	24	<0.5	39	<3	9	0.92	<0.001	1	229	11.77	11	<0.001	<20	<0.01	<0.01	<0.01	<2	0.09	<5	<5	WHI10000419			
114508	4.03	1043	<2	<2	41	0.8	106	<3	13	1.39	<0.001	2	465	13.55	44	<0.001	<20	0.03	<0.01	<0.01	<2	0.28	<5	<5	WHI10000419			
114509	3.26	12	<2	<2	18	0.6	<3	<3	12	0.42	<0.001	2	619	14.13	9	<0.001	<20	0.14	<0.01	<0.01	<2	<0.05	5	<5	WHI10000419			
114510	2.3	283	<2	<2	615	0.6	<3	<3	7	10.05	<0.001	1	182	7.35	20	<0.001	<20	0.2	<0.01	0.03	<2	<0.05	<5	<5	WHI10000419			
114511	2.39	52	<2	<2	64	<0.5	9	<3	10	0.95	<0.001	2	175	14.27	14	<0.001	<20	0.03	<0.01	0.02	<2	<0.05	<5	<5	WHI10000419			
114512	3.58	152	<2	<2	38	0.7	46	<3	12	0.8	<0.001	2	286	15.02	21	<0.001	<20	0.06	<0.01	0.03	<2	<0.05	6	<5	WHI10000419			
114513	3.22	189	<2	<2	37	0.7	21	<3	11	1.02	<0.001	2	310	13.8	19	<0.001	<20	0.05	<0.01	0.03	<2	<0.05	7	<5	WHI10000419			
114514	3.25	268	<2	<2	19	0.5	32	<3	9	0.12	<0.001	3	260	14.94	11	<0.001	<20	0.02	<0.01	0.02	<2	<0.05	<5	<5	WHI10000419			
114515	2.93	1042	<2	<2	18	<0.5	38	<3	7	0.6	<0.001	2	226	14.82	12	<0.001	<20	0.02	<0.01	<0.01	<2	0.33	7	<5	WHI10000419			
114516	2.96	303	<2	<2	136	0.7	8	<3	7	0.66	<0.001	2	162	14.57	11	<0.001	<20	0.02	<0.01	0.01	<2	0.11	<5	<5	WHI10000419			
114517	2.65	390	<2	<2	10	<0.5	66	<3	13	0.34	<0.001	2	361	12.83	23	<0.001	<20	0.04	<0.01	0.02	<2	0.08	5	<5	WHI10000419			
114518	3.93	728	<2	<2	12	0.6	70	<3	13	0.21	<0.001	2	478	13.28	36	<0.001	<20	0.05	<0.01	0.02	2	0.44	9	<5	WHI10000419			
114520	4.8	5	<2	<2	1	0.8	<3	<3	17	0.19	<0.001	1	896	12.19	27	0.002	<20	0.33	<0.01	<0.01	<2	<0.05	<5	<5	WHI10000419			
114521	2.41	70	<2	<2	26	<0.5	6	<3	5	0.44	<0.001	1	112	7.69	6	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<5	<5	WHI10000419			
114522	1.51	424	<2	<2	442	<0.5	60	<3	5	8.53	<0.001	<1	194	5.33	11	<0.001	<20	0.05	<0.01	0.03	<2	<0.05	<5	<5	WHI10000419			
114523	0.44	254	<2	<2	101	<0.5	6	<3	<1	1.99	<0.001	<1	4	1.35	9	<0.001	<20	0.02	<0.01	0.01	<2	<0.05	<5	<5	WHI10000419			

 AURORA GEOSCIENCES		Job Number: RADIUS																	
		Grid Name: Rivier Soil and Silt Samples																	
		Grid Prefix:																	
		GPS Datum & Zone: NAD83 Zone 9																	
		Lab: ACME																	
Date	Soil Sampler	Line	Station	Lab Tag Number	UTM Easting	UTM Northing	Elevation	Sample Depth (cm)	Horizon Sampled	Depth within Sampled Horizon	Sample Colour	Sample Comp. %							
												Organics	Ang. Rock	Gravel	Sand	Silt	Clay		
26-Aug-10	MO			RDU-A-001	384119	6823439		50-60	B/C	5-10	Dark Brown	10	10			20	60		
26-Aug-10	MO			RDU-A-002	384317	6823512		50-60	C	5-10	Dark Brown	10	10			10	70		
26-Aug-10	MO			RDU-A-003	384520	6823538		50-60	C	5-10	Light Brown	10	10		10	20	50		
26-Aug-10	MO			RDU-A-004	384714	6823550		60-70	B/C	15-20	Dark Brown	10	10			20	60		
26-Aug-10	MO			RDU-A-005	384916	6823569		>70	B/C	30 up	Light Grey					10	90		
26-Aug-10	MO			RDU-A-006	385119	6823598		60-70	C	10-15	Dark Brown	10	10			20	60		
26-Aug-10	MO			RDU-A-007	385299	6823639		60-70	C	10-15	Yellowish Orange	10	10			10	70		
26-Aug-10	MO			RDU-A-008	385503	6823694		50-60	B/C	10-15	Dark Grey	10	10		10	10	60		
26-Aug-10	MO			RDU-A-009	385686	6823767		60-70	B/C	10-15	Dark Brown	10	10			10	70		
26-Aug-10	MO			RDU-A-010	385855	6823849		>70	B/C	30 up	Dark Brown	10	10			10	70		
26-Aug-10	MO			RDU-A-011	386052	6823901		30-40	C	2-5	Dark Brown	10	10			20	60		
26-Aug-10	MO			RDU-A-012	386236	6823972		30-40	B/C	2-5	Dark Brown	10	10			20	60		
26-Aug-10	MO			RDU-A-013	386429	6824018		50-60	C	10-15	Light Grey		10		10	10	70		
26-Aug-10	MO			RDU-A-014	386620	6824105		40-50	C	5-10	Greenish Grey	10	10			10	70		
26-Aug-10	MO			RDU-A-015	386801	6824162		60-70	C	10-15	Light Brown	10	10		10	20	50		
26-Aug-10	MO			RDU-A-016	387001	6824215		60-70	C	15-20	Light Brown	10	10			20	60		
26-Aug-10	MO			RDU-A-017	387190	6824186		60-70	C	15-20	Light Brown	10	10			20	60		
26-Aug-10	LB			RDU-A-018	387429	6824180		10-20	B	10-15	Dark Brown		20		30	30	20		
26-Aug-10	LB			RDU-A-019	387615	6824193		20-30	B	15-20	Dark Brown		20		20	30	30		
26-Aug-10	LB			RDU-A-020	387833	6824209		30-40	B/C	10-15	Yellowish Orange		10		40	10	40		
26-Aug-10	LB			RDU-A-021	388019	6824231		10-20	B	15-20	Dark Brown		20		30	30	20		
26-Aug-10	LB			RDU-A-022	388182	6824255		30-40	B/C	10-15	Dark Brown		10		20	30	40		
26-Aug-10	LB			RDU-A-023	388418	6824227		40-50	B/C	20-25	Dark Brown		10		30	30	30		
26-Aug-10	LB			RDU-A-024	388591	6824187		50-60	B/C	10-15	Dark Grey		10		10	20	60		
26-Aug-10	LB			RDU-A-025	388785	6824088		40-50	B/C	15-20	Dark Brown			20	20	30	30		
26-Aug-10	LB			RDU-A-026	388918	6823931		50-60	C	15-20	Dark Grey			10	20	10	60		
26-Aug-10	LB			RDU-A-027	389029	6823790		40-50	B/C	15-20	Light Brown				20	30	50		
26-Aug-10	LB			RDU-A-028	389137	6823652		40-50	C	15-20	Light Brown		10		30	30	30		
26-Aug-10	LB			RDU-A-029	389310	6823453		20-30	B/C	10-15	Dark Brown	10			30	30	30		
25-Aug-10	DMG			RDU-A-030	389497	6823295		30-40	B/C	10-15	Yellowish Orange		20		30	20	30		
25-Aug-10	DMG			RDU-A-031	389966	6823240		>70	C	30 up	Yellowish Orange					30	70		
25-Aug-10	DMG			RDU-A-032	390199	6822929		20-30	B	10-15	Yellowish Orange		20		20	20	40		
25-Aug-10	DMG			RDU-A-033	390279	6822669		50-60	C	20-25	Yellowish Orange		20		20	20	40		
25-Aug-10	DMG			RDU-A-034	390373	6822818		20-30	C	5-10	Yellowish Orange		40			10	50		
25-Aug-10	DMG			RDU-A-035	390468	6822993		30-40	C	5-10	Yellowish Orange		10		10		80		
25-Aug-10	DMG			RDU-A-036	390583	6823115		40-50	C	20-25	Yellowish Orange		40				60		
25-Aug-10	DMG			RDU-A-037	390778	6823166		50-60	C	15-20	Dark Grey		60				40		
25-Aug-10	DMG			RDU-A-038	390955	6823169		30-40	B/C	10-15	Dark Grey		30		10	10	50		
25-Aug-10	MO			RDU-A-039	391180	6823165		50-60	C	15-20	Dark Grey	10	10			10	70		
25-Aug-10	MO			RDU-A-040	391362	6823276		40-50	C	10-15	Greenish Grey	10	10			10	70		
25-Aug-10	MO			RDU-A-041	391497	6823398		50-60	C	15-20	Dark Grey	10	10			10	70		
25-Aug-10	MO			RDU-A-042	391664	6823521		40-50	C	10-15	Dark Brown		10		10	20	60		
25-Aug-10	LB			RDU-A-043	391870	6823594		20-30	B/C	15-20	Dark Brown	10	20			20	50		
25-Aug-10	LB			RDU-A-044	392042	6823646		30-40	B/C	15-20	Dark Brown		20		10	30	40		
25-Aug-10	LB			RDU-A-045	392219	6823701		40-50	B/C	20-25	Dark Brown				20	30	50		
25-Aug-10	LB			RDU-A-046	392400	6823712		30-40	B/C	15-20	Dark Brown		20		20	20	40		
25-Aug-10	LB			RDU-A-047	392533	6823601		40-50	B/C	15-20	Dark Brown		10		30	20	40		
25-Aug-10	LB			RDU-A-048	392747	6823442		40-50	B/C	10-15	Dark Grey		10		20	10	60		
25-Aug-10	LB			RDU-A-049	392887	6823329		40-50	B/C	20-25	Dark Grey	10	10			10	70		
25-Aug-10	LB			RDU-A-050	393055	6823319		60-70	C	20-25	Black		20		20		60		
25-Aug-10	LB			RDU-A-051	393232	6823309		40-50	B/C	25-30	Dark Grey		10		20	10	60		
25-Aug-10	LB			RDU-A-052	393420	6823261		20-30	C	15-20	Yellowish Orange		30		60		10		
25-Aug-10	LB			RDU-A-053	393460	6823096		20-30	B/C	15-20	Greenish Grey	10	20		60		10		
25-Aug-10	LB			RDU-A-054	393438	6822918		30-40	B/C	15-20	Dark Brown		10		20	20	50		
25-Aug-10	LB			RDU-A-055	393397	6822703		50-60	B/C	15-20	Dark Grey				20	20	60		
25-Aug-10	LB			RDU-A-056	393330	6822489		50-60	B/C	15-20	Dark Grey				20	20	60		
25-Aug-10	LB			RDU-A-057	393293	6822234		40-50	B/C	15-20	Dark Brown	10			20	30	40		

RADIUS												Rivier Soil and Silt Samples											
NAD83 Zone 9												ACME											
												Method											
												Analyte											
												Mo Cu Pb Zn Ag Ni Co Mn Fe As U											
												1F15 1F15 1F15 1F15 1F15 1F15 1F15 1F15 1F15 1F15 1F15 1F15											
												PPM PPM PPM PPM PPB PPM PPM PPM PPM % PPM PPM											
												Sample Unit											
												Number MDL											
												0.01 0.01 0.01 0.1 2 0.1 0.1 1 0.01 0.1 0.1											
Lab Tag Number	UTM Easting	UTM Northing	Parent Material	Moisture Content	Vegetation Cover	Topo Position	Photograph Number	Sample	Unit	PPM	PPM	PPM	PPM	PPB	PPM	PPM	PPM	PPM	%	PPM	PPM		
RDU-A-001	384119	6823439	Till	Dry	Buck Brush	Valley Bottom		RDU-A-001	Soil	1.5	19.48	17.4	65.1	68	59.7	17.1	523	4.21	20.8	0.8			
RDU-A-002	384317	6823512	Loess - Organic rich	Dry	Buck Brush	Plateau		RDU-A-002	Soil	1.25	23.85	19.57	89.5	17	40.8	22.2	842	5.4	16.8	1.1			
RDU-A-003	384520	6823538	Loess - Organic rich	Dry	Buck Brush	Plateau		RDU-A-003	Soil	1.57	32.75	22.23	140.9	106	43.4	17.1	933	4.55	22.7	1.5			
RDU-A-004	384714	6823550	Till	Moist	Buck Brush	Plateau		RDU-A-004	Soil	0.87	36.28	19.23	110.2	122	58.9	25.3	644	4.78	28.3	1.8			
RDU-A-005	384916	6823569	Till	Moist	Buck Brush	Plateau		RDU-A-005	Soil	0.74	55.32	9.41	90.7	82	62.7	21.3	598	4.12	11.6	0.9			
RDU-A-006	385119	6823598	Till	Dry	Alpine	Plateau		RDU-A-006	Soil	0.71	48.13	15.73	68.2	117	67.4	34.4	1155	5.81	9.1	2.2			
RDU-A-007	385299	6823639	Till	Moist	Alpine	Mid Slope		RDU-A-007	Soil	0.58	16.8	14.51	67.1	111	41.2	14.4	809	4.18	12.5	1.3			
RDU-A-008	385503	6823694	Till	Dry	Alpine	Ridge Top		RDU-A-008	Soil	0.61	24.69	12.2	67.7	100	55.5	18.8	699	3.59	10.1	1.2			
RDU-A-009	385686	6823767	Till	Dry	Alpine	Ridge Top		RDU-A-009	Soil	1.4	15.61	13.89	66.1	85	27.4	9.4	352	2.47	18.5	1.7			
RDU-A-010	385855	6823849	Till	Moist	Alpine	Ridge Top		RDU-A-010	Soil	1.17	15.02	12.49	40.6	346	15.9	4.5	141	1.8	8.3	15.1			
RDU-A-011	386052	6823901	Till	Moist	Alpine	Ridge Top		RDU-A-011	Soil	1.67	10.48	16.58	51.5	29	15.8	5.7	234	2.25	9.6	1.9			
RDU-A-012	386236	6823972	Till	Moist	Alpine	Ridge Top		RDU-A-012	Soil	1.33	11.65	10.7	48.5	77	17.3	5.3	184	2.19	11	1.7			
RDU-A-013	386429	6824018	Till	Moist	Alpine	Ridge Top		RDU-A-013	Soil	1.34	8.54	26.59	24.5	28	3.6	1.6	109	1.02	8.1	2.4			
RDU-A-014	386620	6824105	Till	Moist	Alpine	Ridge Top		RDU-A-014	Soil	2.29	11.43	13.36	51.2	59	17.8	5.2	172	2.27	12	1.2			
RDU-A-015	386801	6824162	Till	Moist	Alpine	Ridge Top		RDU-A-015	Soil	2.03	9.52	14.18	53.9	90	19.5	7.3	321	2.7	23.3	1.6			
RDU-A-016	387001	6824215	Till	Moist	Alpine	Ridge Top		RDU-A-016	Soil	1.27	8.9	19.07	57.2	24	14.3	5.8	280	2.04	13.9	3.8			
RDU-A-017	387190	6824186	Till	Moist	Alpine	Ridge Top		RDU-A-017	Soil	0.85	3.64	41.34	64.5	34	5.1	4.8	539	2.86	3.8	3.2			
RDU-A-018	387429	6824180	Till	Moist	Alpine	Ridge Top		RDU-A-018	Soil	2.05	9.95	17.63	51.8	65	16.8	7.1	294	2.44	21.3	2.8			
RDU-A-019	387615	6824193	Till	Moist	Alpine	Ridge Top		RDU-A-019	Soil	1.71	13.3	13.88	61.6	91	21.4	5.3	271	2	7.9	2.7			
RDU-A-020	387833	6824209	Till	Moist	Alpine	Ridge Top		RDU-A-020	Soil	1.89	4.73	27.16	87.3	85	9.5	5.5	495	3.11	13.5	3.4			
RDU-A-021	388019	6824231	Till	Moist	Alpine	Ridge Top		RDU-A-021	Soil	1.66	8.33	11.28	60.6	62	12	3.4	283	1.58	8.7	1.2			
RDU-A-022	388182	6824255	Till	Moist	Alpine	Ridge Top		RDU-A-022	Soil	1.28	9.65	14.84	55.6	37	16.7	5.5	283	2.26	10.4	2			
RDU-A-023	388418	6824227	Till	Moist	Buck Brush	Mid Slope		RDU-A-023	Soil	1.22	10.02	17.02	66.3	60	19.8	11.2	502	3.52	41	1			
RDU-A-024	388591	6824187	Loess - Organic rich	Moist	Buck Brush	Mid Slope		RDU-A-024	Soil	1.68	30.84	13.17	68.9	700	29.2	6.9	319	2.52	12.8	1.3			
RDU-A-025	388785	6824088	Fluvial - Stream/River	Moist	Buck Brush	Plateau		RDU-A-025	Soil	2.37	23.42	23.56	95.1	433	32.9	12.2	1054	3.62	29.9	9.6			
RDU-A-026	388918	6823931	Fluvial - Stream/River	Moist	Buck Brush	Bench		RDU-A-026	Soil	1.51	28.49	10.05	93.9	264	34.4	8.6	443	1.93	11.2	0.8			
RDU-A-027	389029	6823790	Loess - Organic rich	Moist	Buck Brush	Mid Slope		RDU-A-027	Soil	1.01	14.95	14.53	61	55	25.2	8.2	398	2.19	7.6	2.1			
RDU-A-028	389137	6823652	Weathered Bedrock	Moist	Alpine	Mid Slope		RDU-A-028	Soil	1.25	8.08	26.32	68.1	103	12.3	5.5	521	2.1	4.5	5.6			
RDU-A-029	389310	6823453	Till	Moist	Alpine	Mid Slope		RDU-A-029	Soil	2.46	14.97	25.26	70.2	54	17	7.6	405	2.59	7.7	2.8			
RDU-A-030	389497	6823295	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-A-030	Soil	1.92	11.37	24.38	62.8	56	14.3	6.6	440	2.17	5.9	2.2			
RDU-A-031	389966	6823240	Till	Wet	Alpine	Valley Bottom		RDU-A-031	Soil	2.15	24.87	32.17	59.6	42	11.3	4	173	1.88	6.3	5.5			
RDU-A-032	390199	6822929	Till	Moist	Alpine	Mid Slope		RDU-A-032	Soil	13.61	30.59	25.52	61.8	83	14.4	5.5	319	2.34	10.2	5			
RDU-A-033	390279	6822669	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-A-033	Soil	8.57	36.72	17.94	71	122	4.2	2	96	1.68	11.5	2.9			
RDU-A-034	390373	6822818	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-A-034	Soil	5.1	36.84	19.74	92	87	43.8	23.4	832	5.1	19.3	1.8			
RDU-A-035	390468	6822993	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-A-035	Soil	6.53	55.11	12.35	78.4	47	46.8	21.5	664	5.05	11.6	1.3			
RDU-A-036	390583	6823115	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-A-036	Soil	0.57	122.1	10.31	94.6	62	51.8	26.1	811	5.63	6.3	1.2			
RDU-A-037	390778	6823166	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-A-037	Soil	1.36	42.7	2.43	89.1	55	63.2	29.1	431	4.87	6.8	3.3			
RDU-A-038	390955	6823169	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-A-038	Soil	1.47	51.53	8.73	80.3	84	38.7	20.6	376	3.88	32.5	1.5			
RDU-A-039	391180	6823165	Till	Dry	Alpine	Ridge Top		RDU-A-039	Soil	12.76	126.52	77.56	223.2	563	212.2	110	2415	5.69	132.1	3.2			
RDU-A-040	391362	6823276	Till	Moist	Alpine	Ridge Top		RDU-A-040	Soil	2.92	39.86	11.96	106.5	131	38.3	27.3	1574	5.98	28.1	0.8			
RDU-A-041	391497	6823398	Till	Moist	Alpine	Ridge Top		RDU-A-041	Soil	2.4	55.84	12.77	100.6	163	48	38.5	744	6.65	45.4	0.4			
RDU-A-042	391664	6823521	Till	Dry	Alpine	Ridge Top		RDU-A-042	Soil	2.15	58.27	11.9	108.1	125	79.5	44.8	2356	9.94	22.8	0.4			
RDU-A-043	391870	6823594	Till	Moist	Alpine	Plateau		RDU-A-043	Soil	1.38	99.97	13.47	97.7	190	212.3	65.2	1739	9.42	93.1	0.3			
RDU-A-044	392042	6823646	Weathered Bedrock	Moist	Alpine	Mid Slope		RDU-A-044	Soil	1.54	100.39	8.63	90	193	172.4	57.4	1715	8.97	110.8	0.4			
RDU-A-045	392219	6823701	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-A-045	Soil	1.56	79.72	9.05	102.3	202	147.3	50.1	899	7.46	63.3	0.5			
RDU-A-046	392400	6823712	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-A-046	Soil	2.14	70.95	14.93	111.5	615	167	48.2	2493	6.32	75.7	1			
RDU-A-047	392533	6823601	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-A-047	Soil	1.55	71.33	17.59	89.3	303	189.4	35.4	1084	4.92	399.8	0.6			
RDU-A-048	392747	6823442	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-A-048	Soil	8.01	132.09	20.48	257.5	1174	157.8	50.8	1691	8.54	254.4	1.9			
RDU-A-049	392887	6823329	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-A-049	Soil	2.76	70.09	14.34	91	313	80.5	19.9	349	3.96	51.9	0.9			
RDU-A-050	393055	6823319	Weathered Bedrock	Moist	Alpine	Plateau		RDU-A-050	Soil	4.12	97.7	42.81	103.9	684	107.7	24.9	1200	4.49	38.8	1.7			
RDU-A-051	393232	6823309	Talus	Moist	Alpine	Ridge Top		RDU-A-051	Soil	1.62	97.29	16.05	97	263	208.6	35	1107	5.69	246.1	1			
RDU-A-052	393420	6823261	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-A-052	Soil	0.3	16.65	4.91	33.3	154	1990.4	77.6	1129	3.19	8.9	0.2			
RDU-A-053	393460	6823096	Weathered Bedrock	Moist	Alpine	Mid Slope		RDU-A-053	Soil	0.3	18.23	3.7	28	81	2153.3	77.5	1085	2.5	10.5	0.3			
RDU-A-054	393438	6822918	Weathered Bedrock	Moist	Buck Brush	Mid Slope		RDU-A-054	Soil	0.7	36.97	9.81	69.1	145	382.4	23.8	379	3.57	43.1	0.9			
RDU-A-055	393397	6822703	Loess - Organic rich	Moist	Buck Brush	Mid Slope		RDU-A-055	Soil	0.95	49.33	9.32	89.7	162	81.3	24.6	595	4.87	30	0.7			
RDU-A-056	393330	6822489	Loess - Organic rich	Moist	Buck Brush	Mid Slope		RDU-A-056	Soil	0.89	60.64	8.31	87.8	58	91.6	23.7	455	3.92	23.2	0.7			
RDU-A-057	393293	6822234	Till	Moist	Buck Brush	Plateau		RDU-A-057	Soil	0.47	51.81	7.84	50	16	100.5	24.9	405	3.44	24.8	0.5			

RADIUS																
Rivier Soil and Silt Samples																
NAD83 Zone 9																
ACME			1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
			Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	
Lab Tag Number	UTM Easting	UTM Northing	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPB	PPM	PPM	PPB	Certificate	
RDU-A-001	384119	6823439	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	WHI0000417
RDU-A-002	384317	6823512	0.5	9.7	1.2	<0.05	0.7	8.11	68.6	0.04	<1	0.7	22.3	<10	<2	WHI0000417
RDU-A-003	384520	6823538	1.1	18.4	1	<0.05	0.8	11.9	54.1	0.04	<1	0.6	29	<10	<2	WHI0000417
RDU-A-004	384714	6823550	2.02	32.2	1.6	<0.05	0.8	18.65	65.3	0.04	<1	0.8	59.9	<10	<2	WHI0000417
RDU-A-005	384916	6823569	0.39	41.2	1.4	<0.05	2.9	12.21	49.3	0.03	<1	0.8	51.4	<10	<2	WHI0000417
RDU-A-006	385119	6823598	2.18	37.3	1.8	<0.05	1.2	17.45	101.6	0.05	<1	0.6	44.4	<10	<2	WHI0000417
RDU-A-007	385299	6823639	2.22	32.7	1.1	<0.05	0.8	11.36	68.3	0.03	<1	1.1	59.1	<10	<2	WHI0000417
RDU-A-008	385503	6823694	1.95	35.7	1.2	<0.05	0.7	10.01	49	0.03	<1	0.9	55.1	<10	<2	WHI0000417
RDU-A-009	385686	6823767	0.86	20.1	1.3	<0.05	0.3	6.94	43.7	0.03	<1	0.8	36.2	<10	<2	WHI0000417
RDU-A-010	385855	6823849	0.75	13.4	0.9	<0.05	<0.1	24.49	72.5	0.03	<1	1.2	16.7	<10	<2	WHI0000417
RDU-A-011	386052	6823901	0.73	19.7	1.1	<0.05	0.1	6.89	36.1	0.03	<1	0.7	24	<10	<2	WHI0000417
RDU-A-012	386236	6823972	0.58	14.8	1.1	<0.05	<0.1	5.95	36	<0.02	<1	0.6	23.1	<10	<2	WHI0000417
RDU-A-013	386429	6824018	0.2	24.5	1.5	<0.05	0.2	12.12	52.6	<0.02	<1	1	2.2	<10	<2	WHI0000417
RDU-A-014	386620	6824105	0.88	17.3	2.2	<0.05	0.3	4.01	35.2	<0.02	<1	0.4	19.8	<10	<2	WHI0000417
RDU-A-015	386801	6824162	0.92	15.5	2.1	<0.05	0.5	5.56	29.6	<0.02	<1	0.5	18.6	<10	<2	WHI0000417
RDU-A-016	387001	6824215	0.73	20.4	1.1	<0.05	0.2	11.42	45.6	0.02	<1	1.1	23.8	<10	<2	WHI0000417
RDU-A-017	387190	6824186	0.57	24.6	2.9	<0.05	5.7	13.51	54.6	0.02	<1	3.3	49.6	<10	<2	WHI0000417
RDU-A-018	387429	6824180	0.77	19.1	1.2	<0.05	0.3	7.11	40.5	0.02	<1	0.8	23.8	<10	<2	WHI0000417
RDU-A-019	387615	6824193	0.8	12.1	0.8	<0.05	1.1	7.67	45	<0.02	<1	0.9	22.6	<10	<2	WHI0000417
RDU-A-020	387833	6824209	0.77	13.6	1.3	<0.05	2	10.04	54.6	0.03	<1	2.4	20.9	<10	<2	WHI0000417
RDU-A-021	388019	6824231	0.96	41.1	3.4	<0.05	0.5	3.08	33	<0.02	<1	0.6	7.3	<10	<2	WHI0000417
RDU-A-022	388182	6824255	1.43	18.7	1.6	<0.05	0.9	5.91	39.3	<0.02	<1	0.9	31.4	<10	<2	WHI0000417
RDU-A-023	388418	6824227	0.99	29.7	1	<0.05	1.3	5.16	31.4	0.02	<1	0.7	20.9	<10	<2	WHI0000417
RDU-A-024	388591	6824187	0.49	12.9	1	<0.05	0.4	15.22	47.4	0.03	<1	0.6	14.4	<10	<2	WHI0000417
RDU-A-025	388785	6824088	0.49	18	1.4	<0.05	0.3	9.88	52.9	0.03	<1	1.1	31.2	<10	<2	WHI0000417
RDU-A-026	388918	6823931	0.28	6.5	0.5	<0.05	2.8	10.89	39.3	<0.02	<1	0.3	12.3	<10	<2	WHI0000417
RDU-A-027	389029	6823790	0.59	13.7	1	<0.05	3.1	10.27	65.5	<0.02	<1	1.1	22.3	<10	<2	WHI0000417
RDU-A-028	389137	6823652	0.95	25.5	2.3	<0.05	5.4	18.89	86.1	0.03	<1	2.8	25.4	<10	<2	WHI0000417
RDU-A-029	389310	6823453	1.87	34.9	3.5	<0.05	0.8	7.74	47.1	0.05	<1	2.1	46	<10	<2	WHI0000417
RDU-A-030	389497	6823295	1.31	22.7	2.8	<0.05	1.5	10.35	59.2	0.04	<1	1.7	41.5	<10	<2	WHI0000417
RDU-A-031	389966	6823240	1.57	35.6	2.6	<0.05	8.1	14.58	82.1	0.04	<1	2.3	43.6	<10	<2	WHI0000417
RDU-A-032	390199	6822929	0.6	33.1	4.1	<0.05	8.8	9.48	65.3	0.04	<1	2.6	19.6	<10	<2	WHI0000417
RDU-A-033	390279	6822669	1.08	27.8	2.9	<0.05	1.2	4.23	45.5	0.08	<1	0.8	6.4	<10	<2	WHI0000417
RDU-A-034	390373	6822818	0.98	40.4	2.7	<0.05	0.6	7.91	67	0.05	<1	2.1	55.6	<10	<2	WHI0000417
RDU-A-035	390468	6822993	1	40.3	2.2	<0.05	0.5	8.8	65.3	0.04	<1	1.5	63.4	<10	<2	WHI0000417
RDU-A-036	390583	6823115	0.19	16.3	1.2	<0.05	1.4	12.41	80.3	0.04	<1	1.5	47.3	<10	<2	WHI0000417
RDU-A-037	390778	6823166	0.05	5.6	0.5	<0.05	4.3	5.76	77	0.02	<1	0.4	23.6	<10	<2	WHI0000417
RDU-A-038	390955	6823169	0.4	7.2	0.6	<0.05	1.9	6.22	82.2	0.02	2	0.3	31.1	<10	<2	WHI0000417
RDU-A-039	391180	6823165	0.23	11.1	1.8	<0.05	3.4	30.68	348.4	0.08	<1	1	41.5	<10	4	WHI0000417
RDU-A-040	391362	6823276	0.52	9.6	1.9	<0.05	2.8	13.46	61.6	0.07	<1	0.8	64	<10	<2	WHI0000417
RDU-A-041	391497	6823398	0.63	11	1.3	<0.05	1.5	18.04	42.8	0.08	<1	1.2	67.5	<10	<2	WHI0000417
RDU-A-042	391664	6823521	0.21	6.8	0.8	<0.05	1.6	22.11	80.1	0.1	<1	0.8	46.3	<10	<2	WHI0000417
RDU-A-043	391870	6823594	0.22	5.3	0.8	<0.05	1.4	15.5	54.7	0.07	<1	0.7	38.6	<10	<2	WHI0000417
RDU-A-044	392042	6823646	0.22	4.5	0.5	<0.05	1.6	16.92	66.9	0.06	<1	0.5	33.3	<10	<2	WHI0000417
RDU-A-045	392219	6823701	0.31	5.6	0.5	<0.05	2	17.46	67	0.05	<1	0.5	29.7	<10	<2	WHI0000417
RDU-A-046	392400	6823712	0.44	7.2	0.7	<0.05	3.1	34.12	84.2	0.06	<1	0.6	24.3	<10	<2	WHI0000417
RDU-A-047	392533	6823601	0.37	5.8	0.6	<0.05	2.5	11.38	44.1	0.05	<1	0.4	24.3	<10	<2	WHI0000417
RDU-A-048	392747	6823442	0.17	7.4	0.9	<0.05	2.5	18.17	38.5	0.04	<1	0.5	21.6	<10	<2	WHI0000417
RDU-A-049	392887	6823329	0.31	10.6	0.6	<0.05	0.6	5.44	29.6	0.02	<1	0.4	20.2	<10	3	WHI0000417
RDU-A-050	393055	6823319	0.06	8.4	0.9	<0.05	10.1	31.87	73.2	0.04	<1	0.4	28.7	<10	3	WHI0000417
RDU-A-051	393232	6823309	0.18	18	1.2	<0.05	2.1	14.11	47.3	0.04	<1	0.7	20.6	<10	3	WHI0000417
RDU-A-052	393420	6823261	0.03	4.9	0.5	<0.05	0.6	1.88	6.4	<0.02	<1	0.1	3.5	<10	8	WHI0000417
RDU-A-053	393460	6823096	0.04	3.2	0.4	<0.05	0.6	2.76	7.6	<0.02	<1	<0.1	3.5	<10	4	WHI0000417
RDU-A-054	393438	6822918	0.42	10.2	0.7	<0.05	0.8	7.42	28.8	0.02	<1	0.4	14.7	<10	4	WHI0000417
RDU-A-055	393397	6822703	0.24	22.8	0.8	<0.05	0.3	5.01	26	0.03	<1	0.3	11.2	<10	2	WHI0000417
RDU-A-056	393330	6822489	0.46	15.2	1.4	<0.05	0.9	4.39	25.4	0.02	<1	0.3	17.3	<10	5	WHI0000417
RDU-A-057	393293	6822234	0.35	11.5	0.6	<0.05	0.8	4.86	23.8	<0.02	<1	0.4	20.4	14	6	WHI0000417

		Lab: ACME															
Date	Soil Sampler	Line	Station	Lab Tag Number	UTM Easting	UTM Northing	Elevation	Sample Depth (cm)	Horizon Sampled	Depth within Sampled Horizon	Sample Colour	Sample Comp. %					
												Organics	Ang. Rock	Gravel	Sand	Silt	Clay
25-Aug-10	LB			RDU-A-058	393303	6822078		30-40	B/C	15-20	Light Brown	10			20	30	40
25-Aug-10	LB			RDU-A-059	393266	6821901		>70	C	20-25	Olive Grey				60	10	30
25-Aug-10	LB			RDU-A-060	393281	6821721		50-60	C	15-20	Olive Grey				70	10	20
25-Aug-10	LB			RDU-A-061	393233	6821513		>70	C	25-30	Light Brown				70	10	20
25-Aug-10	LB			RDU-A-062	393225	6821313		50-60	B/C	20-25	Light Brown	10	60			10	20
25-Aug-10	LB			RDU-A-063	393248	6821309		60-70	C	25-30	Olive Grey				60	20	20
25-Aug-10	LB			RDU-A-064	393128	6820932		30-40	B/C	15-20	Light Brown		10		40	20	30
26-Aug-10	LB			RDU-A-065	387251	6823990		30-40	B	15-20	Dark Brown		10		20	30	40
26-Aug-10	LB			RDU-A-066	387273	6823859		30-40	B/C	15-20	Dark Brown	10	10			20	60
26-Aug-10	LB			RDU-A-067	387292	6823632		40-50	B/C	15-20	Light Brown		10		10	30	50
26-Aug-10	LB			RDU-A-068	387273	6823439		40-50	B/C	15-20	Light Brown				20	30	50
26-Aug-10	LB			RDU-A-069	387326	6823192		50-60	B/C	20-25	Yellowish Orange				10	15	75
25-Aug-10	DMG			RDU-A-070	389333	6823160		40-50	C	15-20	Yellowish Orange		20		10	10	60
25-Aug-10	DMG			RDU-A-071	389294	6823015		20-30	C	5-10	Yellowish Orange		20		20	20	40
25-Aug-10	DMG			RDU-A-072	389191	6822844		20-30	C	5-10	Yellowish Orange		30		10	10	50
25-Aug-10	DMG			RDU-A-073	389128	6822657		20-30	C	5-10	Yellowish Orange		30		30		40
25-Aug-10	DMG			RDU-A-074	389039	6822491		20-30	C	5-10	Yellowish Orange		20		20	10	50
25-Aug-10	DMG			RDU-A-075	388950	6822300		20-30	B/C	5-10	Yellowish Orange		20		20	20	40
25-Aug-10	DMG			RDU-A-076	388795	6822105		>70	C	2-5	Light Grey		30				70
25-Aug-10	DMG			RDU-A-077	388688	6821932		>70	B/C	15-20	Light Brown		10		30	10	50
25-Aug-10	DMG			RDU-A-078	388807	6822242		60-70	C	10-15	Yellowish Orange		10		10	10	70
25-Aug-10	MO			RDU-A-079	391208	6822968		60-70	C	30 up	Olive Grey	10	10			10	70
25-Aug-10	MO			RDU-A-080	391270	6822750		>70	C	30 up	Greenish Grey	10	10			20	60
25-Aug-10	MO			RDU-A-081	391298	6822543		>70	B/C	30 up	Light Brown	10	10			10	70
25-Aug-10	MO			RDU-A-082	391337	6822294		60-70	B/C	30 up	Dark Brown		10		10	20	60
25-Aug-10	MO			RDU-A-083	391376	6822115		60-70	C	30 up	Dark Brown		10		10	20	60
25-Aug-10	MO			RDU-A-084	391419	6821920		40-50	B/C	10-15	Dark Brown	10	15		10	10	55
25-Aug-10	MO			RDU-A-085	391450	6821713		40-50	B/C	5-10	Dark Brown	10	10		10	20	50
25-Aug-10	MO			RDU-A-086	391500	6821492		30-40	B/C	5-10	Dark Brown		10		10	20	60
25-Aug-10	MO			RDU-A-087	391526	6821302		40-50	B/C	10-15	Light Brown	10	10			10	70
25-Aug-10	MO			RDU-A-088	391587	6821078		50-60	B/C	10-15	Yellowish Orange	10	10			20	60
25-Aug-10	MO			RDU-A-089	391596	6820847		50-60	B/C	5-10	Greenish Grey	10	20		10	10	50
25-Aug-10	MO			RDU-A-090	391641	6820654		50-60	C	15-20	Dark Brown	10	10		10	20	50
25-Aug-10	MO			RDU-A-091	391718	6820464		>70	C	20-25	Greenish Grey	10	10				80
25-Aug-10	MO			RDU-A-092	391795	6820276		60-70	B/C	15-20	Greenish Grey	10	10			20	60
25-Aug-10	MO			RDU-A-093	391896	6820071		40-50	B/C	10-15	Light Brown	10	10		10	20	50
25-Aug-10	MO			RDU-A-094	391890	6819883		60-70	C	15-20	Olive Grey	10	10			30	50
22-Aug-10	MO			RDU-B-001	382045	6820048		60-70	B/C	30 up	Dark Brown	10	10		30		50
22-Aug-10	MO			RDU-B-002	382233	6820105		60-70	B/C	30 up	Greenish Grey	20	10		20		50
22-Aug-10	MO			RDU-B-003	382405	6820204		50-60	C	30 up	Yellowish Orange		5			10	85
22-Aug-10	MO			RDU-B-004	382530	6820384		40-50	B/C	30 up	Light Brown		10		10	20	60
22-Aug-10	MO			RDU-B-005	382650	6820544		40-50	B/C	5-10	Greenish Grey		20		30		50
22-Aug-10	MO			RDU-B-006	382740	6820722		30-40	B/C	5-10	Dark Brown	10	10		10		70
22-Aug-10	MO			RDU-B-007	382854	6820883		30-40	B/C	5-10	Yellowish Orange	10	10				80
22-Aug-10	MO			RDU-B-008	383027	6821001		50-60	B/C	10-15	Dark Grey	10				10	80
22-Aug-10	MO			RDU-B-009	383201	6821115		30-40	C	10-15	Light Brown	10	10			10	70
22-Aug-10	MO			RDU-B-010	383367	6821211		50-60	B/C	30 up	Greenish Grey	10	10			10	70
21-Aug-10	LB			RDU-B-011	383442	6821404		30-40	B/C	15-20	Dark Brown		20		20	30	30
21-Aug-10	LB			RDU-B-012	383452	6821570		50-60	C	15-20	Light Brown		20		60	10	10
21-Aug-10	LB			RDU-B-013	383511	6821812		50-60	B/C	15-20	Dark Brown	10	10		20	30	30
21-Aug-10	LB			RDU-B-014	383536	6822007		40-50	C	20-25	Dark Brown		20		30	20	30
21-Aug-10	LB			RDU-B-015	383564	6822181		40-50	B/C	15-20	Dark Brown	20			10	30	40
21-Aug-10	LB			RDU-B-016	383597	6822381		50-60	C	15-20	Light Brown		20		60	10	10
21-Aug-10	LB			RDU-B-017	383645	6822577		40-50	B/C	15-20	Dark Brown	10			10	30	50
21-Aug-10	LB			RDU-B-018	383789	6822722		50-60	B/C	15-20	Light Brown				20	40	40
21-Aug-10	LB			RDU-B-019	383932	6822832		30-40	B/C	10-15	Dark Brown	10	10		20	30	30
20-Aug-10	LB			RDU-B-020	384535	6819745		>70	B/C	20-25	Dark Grey		10			20	70
20-Aug-10	LB			RDU-B-021	384614	6819946		30-40	B	5-10	Light Brown		10			90	0
20-Aug-10	LB			RDU-B-022	384669	6820127		20-30	B	5-10	Light Brown		10			90	0
21-Aug-10	DMG			RDU-B-023	384709	6820306		40-50	C	10-15	Dark Grey		40				60
21-Aug-10	DMG			RDU-B-024	384769	6820526		30-40	B/C	5-10	Dark Grey		20				80
21-Aug-10	DMG			RDU-B-025	384817	6820696		>70	B/C	30 up	Light Grey		10		10		80
21-Aug-10	DMG			RDU-B-026	384847	6820887		50-60	B	30 up	Light Grey		60				40

ACME			1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
			Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt			
Lab Tag Number	UTM Easting	UTM Northing	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPB	PPM	PPM	PPB	PPB			
			0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	Certificate		
RDU-A-058	393303	6822078	0.51	23.6	0.6	<0.05	1.1	4.3	24.7	0.02	<1	0.3	16.7	<10	4	WHIO000417		
RDU-A-059	393266	6821901	0.09	15.4	0.3	<0.05	0.6	1.82	5.5	<0.02	<1	<0.1	11	101	14	WHIO000417		
RDU-A-060	393281	6821721	0.03	28.7	0.3	<0.05	0.7	1.47	17.5	<0.02	<1	0.2	17.6	33	12	WHIO000417		
RDU-A-061	393233	6821513	0.21	104.2	0.7	<0.05	1	7.15	23	<0.02	<1	0.2	10.4	12	10	WHIO000417		
RDU-A-062	393225	6821313	0.27	38	0.6	<0.05	0.7	3.06	14.9	<0.02	<1	0.1	9.5	449	42	WHIO000417		
RDU-A-063	393248	6821309	0.06	95.7	0.7	<0.05	1.2	1.91	9.3	<0.02	<1	0.2	23	<10	16	WHIO000417		
RDU-A-064	393128	6820932	0.52	33.4	1.4	<0.05	0.8	3.8	23.2	<0.02	<1	0.2	13	<10	4	WHIO000417		
RDU-A-065	387251	6823990	0.81	12.6	1.5	<0.05	0.4	5.42	24.3	<0.02	<1	0.2	7.8	<10	<2	WHIO000417		
RDU-A-066	387273	6823859	0.59	18.5	1.1	<0.05	0.7	9.12	40.1	0.03	<1	0.6	19.2	<10	<2	WHIO000417		
RDU-A-067	387292	6823632	0.71	28	2	<0.05	0.6	6.79	35	0.02	<1	0.6	20.3	<10	<2	WHIO000417		
RDU-A-068	387273	6823439	0.65	13.8	0.9	<0.05	1.1	9.23	64.4	0.03	<1	0.4	28.4	<10	<2	WHIO000417		
RDU-A-069	387326	6823192	1.1	34.3	2.7	<0.05	1.5	25.21	64.1	0.06	<1	1.9	44.8	<10	<2	WHIO000417		
RDU-A-070	389333	6823160	1.37	31.6	3.7	<0.05	1.9	8.98	50.3	0.06	<1	2.3	49	<10	<2	WHIO000417		
RDU-A-071	389294	6823015	1.19	28.4	3.2	<0.05	1.9	10.3	59.3	0.05	<1	2.3	43.5	<10	<2	WHIO000417		
RDU-A-072	389191	6822844	1.27	35.2	4.3	<0.05	4.6	9.88	55	0.08	<1	4	48.4	<10	<2	WHIO000417		
RDU-A-073	389128	6822657	1.02	25.7	2.5	<0.05	4.1	5.86	33	0.03	<1	1.2	24.9	<10	<2	WHIO000417		
RDU-A-074	389039	6822491	1.54	44.8	1.9	<0.05	1.7	6.9	47.9	0.06	<1	2.2	74.3	<10	<2	WHIO000417		
RDU-A-075	388950	6822300	1.36	28.8	1.3	<0.05	1.3	18.58	155	0.05	<1	2.5	65.6	<10	<2	WHIO000417		
RDU-A-076	388795	6822105	1.18	18.4	1.3	<0.05	1	9.32	52.5	0.03	1	1	42.5	<10	<2	WHIO000417		
RDU-A-077	388688	6821932	0.88	17.4	0.7	<0.05	0.9	8.64	46.3	0.03	1	0.9	24.8	<10	<2	WHIO000417		
RDU-A-078	388807	6822242	1.54	21.2	1.2	<0.05	1.7	13.23	80	0.05	1	1.1	49.3	<10	<2	WHIO000417		
RDU-A-079	391208	6822968	0.68	28.7	1.7	<0.05	3.7	18.37	75.7	0.02	<1	0.7	47	<10	<2	WHIO000417		
RDU-A-080	391270	6822750	0.55	13.9	0.9	<0.05	1.5	9.03	67.5	0.04	<1	0.6	32.2	<10	<2	WHIO000417		
RDU-A-081	391298	6822543	0.45	14.7	1	<0.05	0.5	8.54	60	0.03	<1	1.1	45.8	<10	<2	WHIO000417		
RDU-A-082	391337	6822294	0.46	21.4	1.8	<0.05	0.8	10.24	69.7	0.05	<1	1	52.6	<10	<2	WHIO000417		
RDU-A-083	391376	6822115	0.43	20.2	1.7	<0.05	0.3	12.9	79	0.03	<1	1.2	46.7	<10	<2	WHIO000417		
RDU-A-084	391419	6821920	0.61	15	1.5	<0.05	0.2	7.64	53.3	0.03	<1	0.7	35.1	<10	<2	WHIO000417		
RDU-A-085	391450	6821713	1.15	38.6	1.9	<0.05	1.6	10.2	78.1	0.04	<1	1.5	67.4	<10	<2	WHIO000417		
RDU-A-086	391500	6821492	0.71	26.3	3.5	<0.05	1	8.51	47.2	0.12	<1	1.7	54.1	<10	<2	WHIO000417		
RDU-A-087	391526	6821302	0.66	21.6	1.2	<0.05	1	4.85	36.3	0.04	1	0.4	38.1	<10	<2	WHIO000417		
RDU-A-088	391587	6821078	0.47	11.4	1.2	<0.05	1.4	14.33	51.6	0.03	<1	0.6	22.5	<10	<2	WHIO000417		
RDU-A-089	391596	6820847	1.06	108.8	12.3	<0.05	1.6	26.83	79.8	0.18	<1	0.8	57.5	<10	<2	WHIO000417		
RDU-A-090	391641	6820654	0.68	12.7	2.8	<0.05	1	18.63	56.6	0.06	<1	0.4	29	<10	<2	WHIO000417		
RDU-A-091	391718	6820464	0.5	11.5	0.7	<0.05	1.6	9.4	38.4	<0.02	<1	0.5	18	<10	<2	WHIO000417		
RDU-A-092	391795	6820276	0.73	9.1	0.4	<0.05	1.3	5.68	25.3	<0.02	<1	0.3	12.4	<10	<2	WHIO000417		
RDU-A-093	391896	6820071	1.07	11.9	1.8	<0.05	1.7	3.2	27.8	<0.02	<1	0.4	20.9	<10	<2	WHIO000417		
RDU-A-094	391890	6819883	0.61	14.5	0.8	<0.05	0.6	6.62	40.1	0.02	<1	0.9	23.5	<10	<2	WHIO000417		
RDU-B-001	382045	6820048	0.48	6.8	0.8	<0.05	2.7	14.08	61.9	0.04	<1	0.8	16.2	<10	<2	WHIO000417		
RDU-B-002	382233	6820105	0.27	7.3	0.7	<0.05	2.2	10.45	43	0.03	<1	0.8	14.6	<10	<2	WHIO000417		
RDU-B-003	382405	6820204	0.1	7.5	0.8	<0.05	7	13.25	95.2	0.03	<1	0.8	6.6	<10	2	WHIO000417		
RDU-B-004	382530	6820384	0.39	12.7	0.6	<0.05	1.1	5.56	41.9	0.02	<1	0.6	20.4	<10	<2	WHIO000417		
RDU-B-005	382650	6820544	0.22	33.1	0.7	<0.05	1	16.81	234	0.13	<1	2.4	74.1	<10	<2	WHIO000417		
RDU-B-006	382740	6820722	0.48	13.1	0.8	<0.05	1.1	3.13	62.6	<0.02	<1	0.3	5.3	<10	<2	WHIO000417		
RDU-B-007	382854	6820883	0.44	11.7	1.6	<0.05	0.4	2.95	48.9	<0.02	1	0.2	8.1	<10	<2	WHIO000417		
RDU-B-008	383027	6821001	0.16	7.8	0.5	<0.05	4.4	19.01	77.7	<0.02	1	0.9	15.9	<10	<2	WHIO000417		
RDU-B-009	383201	6821115	0.27	7.3	0.6	<0.05	0.9	11.14	96.4	0.04	1	0.5	20.5	<10	<2	WHIO000417		
RDU-B-010	383367	6821211	0.19	6.3	0.4	<0.05	0.8	9.67	84.7	0.03	<1	0.3	17.1	<10	<2	WHIO000417		
RDU-B-011	383442	6821404	0.11	8.3	3	<0.05	0.9	19.15	127.4	0.05	<1	1.3	18.8	<10	<2	WHIO000417		
RDU-B-012	383452	6821570	0.06	5.5	2.1	<0.05	<0.1	17.62	138.5	0.04	<1	0.6	5.4	<10	<2	WHIO000417		
RDU-B-013	383511	6821812	0.04	3.1	0.6	<0.05	0.3	19.85	52.6	0.06	<1	0.4	17.1	<10	<2	WHIO000417		
RDU-B-014	383536	6822007	0.18	3.4	1.2	<0.05	1.5	15.55	63.3	0.03	<1	0.3	15.5	<10	<2	WHIO000417		
RDU-B-015	383564	6822181	0.3	3.3	0.3	<0.05	0.9	9.65	30	0.03	<1	0.4	10.5	<10	<2	WHIO000417		
RDU-B-016	383597	6822381	0.09	7.3	1.2	<0.05	1.2	6.96	99.9	0.03	<1	0.4	25	<10	<2	WHIO000417		
RDU-B-017	383645	6822577	0.4	5.6	0.6	<0.05	1.3	6.64	61.9	0.03	<1	0.5	21.6	<10	<2	WHIO000417		
RDU-B-018	383789	6822722	0.16	4.4	0.7	<0.05	0.2	4.73	38.1	<0.02	<1	0.3	13.8	<10	<2	WHIO000417		
RDU-B-019	383932	6822832	0.42	8.9	0.6	<0.05	1.2	9.08	67.2	0.03	<1	0.6	27.8	<10	<2	WHIO000417		
RDU-B-020	384535	6819745	0.05	10.7	1.4	<0.05	2.6	11.17	64.4	<0.02	<1	0.6	3.4	<10	<2	WHIO000417		
RDU-B-021	384614	6819946	0.24	10.3	0.5	<0.05	0.3	9.6	69.4	<0.02	<1	0.5	8.2	<10	<2	WHIO000417		
RDU-B-022	384669	6820127	0.35	12.4	1	<0.05	0.2	5.59	64.6	<0.02	<1	0.3	13.3	<10	<2	WHIO000417		
RDU-B-023	384709	6820306	0.02	7.6	1.7	<0.05	4.9	12.48	83.7	0.02	<1	0.5	16.5	<10	<2	WHIO000417		
RDU-B-024	384769	6820526	0.47	8.4	1.6	<0.05	0.6	7.79	65.3	0.03	<1	0.5	21.6	<10	<2	WHIO000417		
RDU-B-025	384817	6820696	0.27	6.4	0.9	<0.05	2.3	16.77	89.7	0.02	<1	0.5	25	<10	<2	WHIO000417		
RDU-B-026	384847	6820887	0.04	6	1.5	<0.05	2.4	15.37	174.2	<0.02	<1	0.3	20.5	<10	<2	WHIO000417		

		Lab: ACME															
Date	Soil Sampler	Line	Station	Lab Tag Number	UTM Easting	UTM Northing	Elevation	Sample Depth (cm)	Horizon Sampled	Depth within Sampled Horizon	Sample Colour	Sample Comp. %					
												Organics	Ang. Rock	Gravel	Sand	Silt	Clay
21-Aug-10	DMG			RDU-B-027	384943	6821061		30-40	B/C	10-15	Dark Grey		50				50
21-Aug-10	DMG			RDU-B-028	385029	6821281		50-60	C	15-20	Yellowish Orange		40		10		50
21-Aug-10	DMG			RDU-B-029	385067	6821464		50-60	C	10-15	Dark Brown		50				50
21-Aug-10	DMG			RDU-B-030	385128	6821654		>70	B/C	2-5	Dark Grey		30				70
21-Aug-10	DMG			RDU-B-031	385167	6821801		20-30	C	10-15	Yellowish Orange		30		30		40
21-Aug-10	DMG			RDU-B-032	385401	6821958		20-30	C	10-15	Yellowish Orange		30		30		40
21-Aug-10	DMG			RDU-B-033	385497	6822145		50-60	C	15-20	Dark Brown		30		10		60
21-Aug-10	DMG			RDU-B-034	385208	6822096		20-30	C	10-15	Yellowish Orange		30	10	20		40
21-Aug-10	DMG			RDU-B-035	384907	6821964		60-70	B	30 up	Dark Grey			20			80
21-Aug-10	DMG			RDU-B-036	384617	6821801		>70	B	30 up	Dark Grey		20			10	70
20-Aug-10	LB			RDU-B-037	384340	6819795		20-30	B	15-20	Light Grey		20				80
20-Aug-10	LB			RDU-B-038	384171	6819834		50-60	B/C	20-25	Light Grey		10			40	50
20-Aug-10	LB			RDU-B-039	383949	6819876		50-60	C	10-15	Light Brown				50	25	25
20-Aug-10	LB			RDU-B-040	383764	6819939		40-50	B/C	20-25	Dark Grey			10		30	60
20-Aug-10	LB			RDU-B-041	383582	6820019		30-40	B/C	10-15	Dark Grey			10		20	70
20-Aug-10	LB			RDU-B-042	383398	6820092		40-50	B/C	20-25	Dark Grey	10				20	70
20-Aug-10	LB			RDU-B-043	383292	6820133		40-50	B/C	20-25	Light Brown		10			50	40
20-Aug-10	LB			RDU-B-044	383326	6820355		30-40	B	15-20	Light Brown	5	10			70	15
20-Aug-10	LB			RDU-B-045	384495	6820186		30-40	B	10-15	Light Brown		10			90	0
20-Aug-10	LB			RDU-B-046	384285	6820229		20-30	B	10-15	Light Brown					70	30
20-Aug-10	LB			RDU-B-047	384112	6820313		30-40	B	10-15	Light Brown		10			60	30
20-Aug-10	LB			RDU-B-048	383894	6820387		40-50	C	20-25	Dark Brown				90	10	0
20-Aug-10	LB			RDU-B-049	383735	6820432		30-40	B	10-15	Light Brown		10			70	20
20-Aug-10	LB			RDU-B-050	383544	6820507		30-40	B	15-20	Light Brown					70	30
20-Aug-10	LB			RDU-B-051	383376	6820538		40-50	B	10-15	Light Brown					80	20
21-Aug-10	LB			RDU-B-052	384715	6820946		60-70	C	20-25	Dark Brown				20	50	30
21-Aug-10	LB			RDU-B-053	384528	6821016		50-60	B	20-25	Black	30			5	30	35
21-Aug-10	LB			RDU-B-054	384338	6821088		40-50	B	15-20	Light Brown	10			20	50	20
21-Aug-10	LB			RDU-B-055	384140	6821156		30-40	C	15-20	Light Grey		20		20	30	30
21-Aug-10	LB			RDU-B-056	383938	6821239		30-40	B/C	15-20	Dark Grey				20	40	40
21-Aug-10	LB			RDU-B-057	383785	6821288		>70	B/C	25-30	Light Brown			10	10	10	70
21-Aug-10	LB			RDU-B-058	383581	6821345		40-50	B/C	15-20	Light Brown		10		10	30	50
22-Aug-10	MO			RDU-C-001	381702	6821076		50-60	B	30 up	Light Grey	10	10			10	70
22-Aug-10	MO			RDU-C-002	381711	6820842		60-70	C	30 up	Light Brown		20			20	60
22-Aug-10	MO			RDU-C-003	381703	6820624		>70	C	30 up	Light Grey	10	10			10	70
22-Aug-10	MO			RDU-C-004	381706	6820391		60-70	B/C	30 up	Light Brown	10			10	10	70
22-Aug-10	MO			RDU-C-005	381708	6820159		60-70	C	30 up	Light Brown	10			20	70	70
22-Aug-10	LB			RDU-C-006	on map	on map		30-40	C	20-25	Light Brown		10		30	10	50
22-Aug-10	LB			RDU-C-007	on map	on map		60-70	C	20-25	Light Brown		20		20	20	40
22-Aug-10	LB			RDU-C-008	on map	on map		40-50	B/C	15-20	Dark Brown				20	20	60
22-Aug-10	LB			RDU-C-009	on map	on map		40-50	C	20-25	Light Brown		10		20	20	50
22-Aug-10	LB			RDU-C-010	on map	on map		40-50	C	15-20	Light Brown		10		20	30	40
22-Aug-10	LB			RDU-C-011	on map	on map		30-40	B/C	15-20	Dark Brown		10		10	20	60
22-Aug-10	LB			RDU-C-012	on map	on map		40-50	B/C	15-20	Light Brown		10		10	30	50
22-Aug-10	LB			RDU-C-013	on map	on map		40-50	B/C	20-25	Dark Grey	10	10				80
22-Aug-10	LB			RDU-C-014	on map	on map		30-40	B/C	15-20	Dark Brown				10	20	70
22-Aug-10	LB			RDU-C-015	on map	on map		50-60	B/C	20-25	Light Brown	10			10	20	60
22-Aug-10	LB			RDU-C-016	383208	6817779		40-50	C	15-20	Light Brown		20		20	20	40
22-Aug-10	LB			RDU-C-017	383345	6817694		60-70	B/C	25-30	Light Grey		20		20	60	60
22-Aug-10	LB			RDU-C-018	383527	6817683		50-60	B/C	20-25	Dark Brown				10	40	50
22-Aug-10	LB			RDU-C-019	383674	6817580		60-70	B/C	20-25	Dark Brown		10		20	30	40
22-Aug-10	LB			RDU-C-020	383889	6817450		40-50	B/C	10-15	Dark Brown				20	40	40
22-Aug-10	LB			RDU-C-021	384060	6817376		40-50	C	20-25	Light Brown		10		30	30	30
22-Aug-10	LB			RDU-C-022	384237	6817409		40-50	B/C	15-20	Yellowish Orange		10		30	30	30
22-Aug-10	LB			RDU-C-023	384406	6817584		50-60	B/C	15-20	Light Brown		20		10	30	40
22-Aug-10	LB			RDU-C-024	384501	6817697		30-40	B/C	10-15	Light Brown	10			20	30	40
22-Aug-10	LB			RDU-C-025	384676	6817794		50-60	C	20-25	Dark Grey		30		20		50
22-Aug-10	LB			RDU-C-026	384883	6817830		10-20	A/B	10-15	Dark Brown	30				40	30
22-Aug-10	LB			RDU-C-027	385083	6817862		10-20	A/B	10-15	Dark Brown	40				30	30
20-Aug-10	DMG			RDU-C-028	385227	6817941		30-40	B	15-20	Dark Brown		30			30	40
20-Aug-10	DMG			RDU-C-029	385258	6818028		20-30	B	20-25	Light Brown		35			30	35
20-Aug-10	DMG			RDU-C-030	385440	6818149		10-20	B	5-10	Light Brown						
20-Aug-10	DMG			RDU-C-031	385451	6818424		10-20	B	2-5	Light Brown		20	20			60

ACME									Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Lab Tag Number	UTM Easting	UTM Northing	Parent Material	Moisture Content	Vegetation Cover	Topo Position	Photograph Number	Sample	Unit	PPM	PPM	PPM	PPM	PPB	PPM	PPM	PPM	%	PPM	PPM	
								Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U		
								Number	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	
RDU-B-027	384943	6821061	Weathered Bedrock	Moist	Alpine	Ridge Top	RDU-B-027	Soil	0.83	42.55	11.37	81.7	29	38.9	24.1	788	4.64	4.8	0.5		
RDU-B-028	385029	6821281	Weathered Bedrock	Moist	Alpine	Ridge Top	RDU-B-028	Soil	1.25	31.42	15.57	106.1	27	39.8	17.1	903	4.88	9.5	1.1		
RDU-B-029	385067	6821464	Till	Moist	Alpine	Ridge Top	RDU-B-029	Soil	1.13	37.63	16.73	89.3	76	48.9	19.5	877	4.82	9.1	0.8		
RDU-B-030	385128	6821654	Weathered Bedrock	Moist	Alpine	Ridge Top	RDU-B-030	Soil	1.69	49.99	14.37	123.9	155	69.4	25.4	1125	5.71	7.2	0.8		
RDU-B-031	385167	6821801	Weathered Bedrock	Moist	Alpine	Ridge Top	RDU-B-031	Soil	1.28	82.95	2.95	67.2	61	204.2	49.2	1194	6.83	1.2	0.4		
RDU-B-032	385401	6821958	Weathered Bedrock	Moist	Alpine	Ridge Top	RDU-B-032	Soil	2.75	46.96	22.09	96.2	49	86.9	39.1	1557	8.86	32.4	1.3		
RDU-B-033	385497	6822145	Weathered Bedrock	Moist	Alpine	Ridge Top	RDU-B-033	Soil	1.32	42.71	16.11	103.6	38	70	29.7	1196	6.22	27	0.9		
RDU-B-034	385208	6822096	Talus	Moist	Alpine	Valley Bottom	RDU-B-034	Soil	2.21	48.78	18.54	123.1	70	70.7	31.2	1632	7.13	13.7	1.1		
RDU-B-035	384907	6821964	Till	Moist	Buck Brush	Mid Slope	RDU-B-035	Soil	3.24	47.18	9.77	79.5	89	54.5	29.4	1050	5.25	6.9	0.8		
RDU-B-036	384617	6821801	Till	Moist	Buck Brush	Mid Slope	RDU-B-036	Soil	1.1	48.64	16.02	97.3	50	53.6	23.5	1057	4.77	4.3	1.1		
RDU-B-037	384340	6819795	Weathered Bedrock	Moist	Alpine	Mid Slope	RDU-B-037	Soil	2.16	37.95	18.81	125.7	54	89.8	47.1	1747	5.83	93.6	1.7		
RDU-B-038	384171	6819834	Till	Moist	Buck Brush	Mid Slope	RDU-B-038	Soil	1.06	33.75	12.77	104.4	173	99.2	22.1	1353	4.12	22.1	1.9		
RDU-B-039	383949	6819876	Fluvial - Stream/River	Moist	Buck Brush	Mid Slope	RDU-B-039	Soil	1.16	34.27	9.46	52.3	262	51.5	17.5	511	3.48	164.1	2.1		
RDU-B-040	383764	6819939	Fluvial - Stream/River	Dry	Buck Brush	Mid Slope	RDU-B-040	Soil	17.88	101.34	36.7	144.7	663	58	23.5	857	5.85	355.6	3.3		
RDU-B-041	383582	6820019	Fluvial - Stream/River	Moist	Buck Brush	Mid Slope	RDU-B-041	Soil	4.32	59.31	20.02	126.2	413	56.4	13.4	568	3.4	150.5	1.5		
RDU-B-042	383398	6820092	Loess - Organic rich	Moist	Buck Brush	Mid Slope	RDU-B-042	Soil	31.23	274.04	67.68	134.4	1867	23.5	8.1	177	7.05	355.3	8		
RDU-B-043	383292	6820133	Fluvial - Stream/River	Moist	Buck Brush	Mid Slope	RDU-B-043	Soil	1.37	23.21	14.83	89.6	234	30	10.3	328	3.09	300.6	0.9		
RDU-B-044	383326	6820355	Loess - Organic rich	Wet	Buck Brush	Mid Slope	RDU-B-044	Soil	1.68	33.12	19.61	96.2	184	60.2	16.3	685	3.24	43.6	1		
RDU-B-045	384495	6820186	Till	Moist	Alpine	Ridge Top	RDU-B-045	Soil	1.4	13.4	15.25	64.5	71	34.3	8.6	271	3.2	25.1	0.7		
RDU-B-046	384285	6820229	Till	Wet	Alpine	Ridge Top	RDU-B-046	Soil	1.07	14.62	22.49	62	69	36	8.2	367	2.15	19.9	0.9		
RDU-B-047	384112	6820313	Till	Wet	Alpine	Ridge Top	RDU-B-047	Soil	1.11	13.42	13.25	45.5	29	36.4	6.4	224	2.09	18	0.7		
RDU-B-048	383894	6820387	Till	Moist	Alpine	Ridge Top	RDU-B-048	Soil	1.49	50.46	6.41	132.4	89	23.8	37.5	1501	11.17	12.3	0.8		
RDU-B-049	383735	6820432	Till	Moist	Buck Brush	Ridge Top	RDU-B-049	Soil	1.29	15.12	40.47	44	132	30.6	8.7	382	1.92	43.6	0.7		
RDU-B-050	383544	6820507	Loess - Organic rich	Moist	Buck Brush	Ridge Top	RDU-B-050	Soil	1.43	16.8	18.87	65.1	54	32	9	282	2.25	19.3	0.8		
RDU-B-051	383376	6820538	Loess - Organic rich	Moist	Buck Brush	Mid Slope	RDU-B-051	Soil	1.18	22.44	17.05	57.6	72	30.8	10.6	382	2.41	45.8	1		
RDU-B-052	384715	6820946	Loess - Organic rich	Moist	Alpine	Plateau	RDU-B-052	Soil	2.91	80.65	27.95	110.1	91	50.4	29.8	1776	4.55	26.4	2.3		
RDU-B-053	384528	6821016	Loess - Organic rich	Moist	Alpine	Mid Slope	RDU-B-053	Soil	1.3	61.49	33.65	87.7	143	53	20.9	887	3.35	24.8	1.7		
RDU-B-054	384338	6821088	Loess - Organic rich	Wet	Alpine	Mid Slope	RDU-B-054	Soil	2.37	68.89	30.71	128.4	139	65.2	27.2	906	4.85	26.2	1.8		
RDU-B-055	384140	6821156	Loess - Organic rich	Moist	Buck Brush	Plateau	RDU-B-055	Soil	1.81	36.3	21.62	75.8	69	51.5	18.3	389	3.1	13.3	2.1		
RDU-B-056	383938	6821239	Loess - Organic rich	Moist	Marsh	Plateau	RDU-B-056	Soil	2.64	30.62	29.3	87.9	346	38.4	19.7	478	2.11	23	3.8		
RDU-B-057	383785	6821288	Loess - Organic rich	Moist	Buck Brush	Mid Slope	RDU-B-057	Soil	1.93	64.85	15.77	110.6	159	58.7	18.2	957	3.24	12.2	1.1		
RDU-B-058	383581	6821345	Loess - Organic rich	Moist	Buck Brush	Mid Slope	RDU-B-058	Soil	1.38	49.27	13.84	81.9	146	43.8	14.1	725	2.79	10.3	1		
RDU-C-001	381702	6821076	Till	Dry	Buck Brush	Valley Bottom	RDU-C-001	Soil	1.83	14.37	34.86	46.7	88	21.1	8.4	358	1.98	55.5	0.9		
RDU-C-002	381711	6820842	Till	Moist	Evergreen Forest	Mid Slope	RDU-C-002	Soil	1.63	28.25	21.37	74.1	362	44.8	14.1	520	2.95	74.6	1.7		
RDU-C-003	381703	6820624	Loess - Organic rich	Moist	Evergreen Forest	Mid Slope	RDU-C-003	Soil	1.93	28.05	22.58	87.3	213	35.1	9.2	325	2.4	32.5	1.1		
RDU-C-004	381706	6820391	Loess - Organic rich	Moist	Evergreen Forest	Mid Slope	RDU-C-004	Soil	1.1	10.25	14.32	34.1	99	18.4	8.5	293	2.08	26.9	1.6		
RDU-C-005	381708	6820159	Loess - Organic rich	Moist	Buck Brush	Plateau	RDU-C-005	Soil	1.65	32.23	15.59	89	417	40.8	13.9	466	2.59	19.2	1.2		
RDU-C-006	on map	on map	Till	Moist	Alpine	Mid Slope	RDU-C-006	Soil	1.32	11.73	31.64	101.1	74	10.5	6.5	526	1.67	62.5	1.1		
RDU-C-007	on map	on map	Till	Moist	Alpine	Mid Slope	RDU-C-007	Soil	1.94	18.71	29.44	151.9	116	14.2	14.9	831	3.63	72	1.8		
RDU-C-008	on map	on map	Loess - Organic rich	Moist	Alpine	Mid Slope	RDU-C-008	Soil	0.8	8.44	14.73	27.3	165	5.1	2.8	122	1.17	12.2	1.3		
RDU-C-009	on map	on map	Loess - Organic rich	Moist	Buck Brush	Mid Slope	RDU-C-009	Soil	1.01	31.57	23.56	91	18	51.9	19.6	660	4.71	17.9	0.9		
RDU-C-010	on map	on map	Loess - Organic rich	Moist	Alpine	Mid Slope	RDU-C-010	Soil	1.08	43.34	30.17	88.5	26	53.4	22.4	819	4.23	17.5	1.3		
RDU-C-011	on map	on map	Loess - Organic rich	Moist	Alpine	Mid Slope	RDU-C-011	Soil	1.29	33.12	17.73	87.1	63	47.6	19.6	718	3.64	21.6	1.2		
RDU-C-012	on map	on map	Loess - Organic rich	Moist	Buck Brush	Mid Slope	RDU-C-012	Soil	1.2	29.25	15.68	70.7	94	33.3	11.4	578	3.09	326.7	1.5		
RDU-C-013	on map	on map	Loess - Organic rich	Moist	Buck Brush	Mid Slope	RDU-C-013	Soil	17.44	108.4	53.13	76.2	1094	37.6	12.1	514	4.92	264	4		
RDU-C-014	on map	on map	Loess - Organic rich	Moist	Buck Brush	Plateau	RDU-C-014	Soil	2.37	59.06	22.74	103.4	120	82.4	25.4	743	5.16	380.9	1.5		
RDU-C-015	on map	on map	Weathered Bedrock	Moist	Alpine	Mid Slope	RDU-C-015	Soil	0.76	93.39	44.35	78.6	805	170.2	64	2318	9.99	661	1.4		
RDU-C-016	383208	6817779	Weathered Bedrock	Moist	Alpine	Mid Slope	RDU-C-016	Soil	1.79	72.99	31.01	108.7	874	45.3	22.1	756	4.57	1661.2	0.9		
RDU-C-017	383345	6817694	Weathered Bedrock	Moist	Alpine	Plateau	RDU-C-017	Soil	2.33	13.51	13.98	76.1	43	28.2	18.1	1013	4.16	23.1	0.8		
RDU-C-018	383527	6817683	Till	Moist	Alpine	Plateau	RDU-C-018	Soil	2.03	20.83	19.6	885.9	178	25.8	12.3	684	3.13	52.9	2.3		
RDU-C-019	383674	6817580	Till	Moist	Buck Brush	Plateau	RDU-C-019	Soil	1.75	8.55	19.4	50.4	99	8.5	6.5	309	2.52	12.3	1.4		
RDU-C-020	383889	6817450	Till	Moist	Alpine	Mid Slope	RDU-C-020	Soil	2.52	16.26	11.98	65.1	14	13.9	21	1212	5.75	273	2.6		
RDU-C-021	384060	6817376	Weathered Bedrock	Moist	Alpine	Plateau	RDU-C-021	Soil	3.75	20.12	37.9	538.4	204	19.6	15	1650	3.84	164.5	3.4		
RDU-C-022	384237	6817409	Weathered Bedrock	Moist	Alpine	Plateau	RDU-C-022	Soil	2.14	14.76	22.46	167.5	65	33.2	27.5	1158	5.61	82.9	1.2		
RDU-C-023	384406	6817584	Till	Moist	Alpine	Ridge Top	RDU-C-023	Soil	1.41	13.92	35.29	137.1	135	14.1	10.6	757	2.44	80.3	1.7		
RDU-C-024	384501	6817697	Loess - Organic rich	Moist	Alpine	Mid Slope	RDU-C-024	Soil	2.27	16.67	33.51	132.5	344	20.4	12.3	636	3.09	85.4	2.4		
RDU-C-025	384676	6817794	Weathered Bedrock	Moist	Alpine	Mid Slope	RDU-C-025	Soil	5.61	21.5	50.36	39.2	91	31.6	7.1	155	1.18	55.9	2.5		
RDU-C-026	384883	6817830	Till	Moist	Alpine	Ridge Top	RDU-C-026	Soil	1.73	15.34	37.9	15	94	4.6	3.5	99	1.09	34.9	2.4		
RDU-C-027	385083	6817862	Till	Moist	Alpine	Ridge Top	RDU-C-027	Soil	1.71	16.8	33.94	62.4	54	24.2	7.6	199	2.24	29.5	0.8		
RDU-C-028	385227	6817941	Till	Moist	Alpine	Ridge Top	RDU-C-028	Soil	1.61	24.99	15.36	106.2	256	20	18.3	1075	4.41	31.8	0.9		
RDU-C-029	385258	6818028	Till	Moist	Alpine	Ridge Top	RDU-C-029	Soil	1.4	17.49	5.22	39.8	66	16.8	25.2	1147	5.29	48.1	1		
RDU-C-030	385440	6818149	Till	Moist	Alpine	Ridge Top	RDU-C-030	Soil	1.58	11.49	20.72	110.3	47	13.1	21.9	1677	5.6	14.7	2.3		
RDU-C-031	385451	6818424	Till	Moist	Alpine	Ridge Top	RDU-C-031	Soil	2.13	18.95	57.83	273.2	162	13.6	13.8	861	4.01	239.8	1.3		

ACME			1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
			Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt		
Lab Tag Number	UTM	UTM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPB	PPM	PPM	PPB	PPB		
	Easting	Northing	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	Certificate	
RDU-B-027	384943	6821061	0.1	4.3	0.7	<0.05	1.7	13.81	118.8	0.02	<1	0.3	31.5	<10	<2	WHI0000417	
RDU-B-028	385029	6821281	0.23	6.4	0.6	<0.05	2	12.61	76.3	0.02	<1	0.3	34.4	<10	<2	WHI0000417	
RDU-B-029	385067	6821464	0.2	7.4	0.6	<0.05	1.7	14.74	112.6	0.03	<1	0.4	27.9	<10	<2	WHI0000417	
RDU-B-030	385128	6821654	0.19	5.4	0.5	<0.05	3.6	16.34	83	0.03	<1	0.4	27.9	<10	<2	WHI0000417	
RDU-B-031	385167	6821801	0.04	3.5	0.5	<0.05	0.5	12.48	41.1	0.04	<1	0.4	10.6	<10	3	WHI0000417	
RDU-B-032	385401	6821958	0.29	5	0.9	<0.05	1.2	9.83	73.1	0.04	<1	0.4	26.2	<10	<2	WHI0000417	
RDU-B-033	385497	6822145	0.15	5.5	0.3	<0.05	2.2	9.78	109.6	0.04	<1	0.5	37.7	<10	<2	WHI0000417	
RDU-B-034	385208	6822096	0.05	3.8	0.8	<0.05	2.4	15.9	84.2	0.06	<1	0.5	40.2	<10	<2	WHI0000417	
RDU-B-035	384907	6821964	0.06	5.5	0.5	<0.05	3.6	14.14	77.8	0.04	<1	0.5	14.6	<10	<2	WHI0000417	
RDU-B-036	384617	6821801	0.21	6.2	0.8	<0.05	1.9	17.92	122.3	0.04	<1	0.5	29.2	<10	<2	WHI0000417	
RDU-B-037	384340	6819795	0.17	5	0.8	<0.05	2.4	2.95	35.2	0.03	<1	0.4	28.3	<10	<2	WHI0000417	
RDU-B-038	384171	6819834	0.09	7.4	1.1	<0.05	2.8	7.22	65.3	0.02	<1	0.3	8.7	<10	<2	WHI0000417	
RDU-B-039	383949	6819876	0.04	4.3	0.3	<0.05	4.1	5.8	82.5	<0.02	<1	0.4	0.9	<10	<2	WHI0000417	
RDU-B-040	383764	6819939	0.27	9.4	0.7	<0.05	0.3	8.75	32.3	0.04	2	0.5	5.9	<10	<2	WHI0000417	
RDU-B-041	383582	6820019	0.46	7	0.8	<0.05	1.5	12.88	46.8	0.02	<1	0.5	10.2	<10	<2	WHI0000417	
RDU-B-042	383398	6820092	0.15	10.4	0.5	<0.05	1.5	10.23	30.2	0.08	<1	0.4	3	19	4	WHI0000417	
RDU-B-043	383292	6820133	0.25	9.2	0.5	<0.05	0.4	4.46	53.1	0.03	<1	0.4	6	<10	<2	WHI0000417	
RDU-B-044	383326	6820355	0.68	12.7	0.9	<0.05	1.1	12.56	68.5	0.02	<1	0.6	17.4	<10	<2	WHI0000417	
RDU-B-045	384495	6820186	0.27	10.9	0.5	<0.05	0.1	6.83	49.6	0.02	<1	0.4	13	<10	<2	WHI0000417	
RDU-B-046	384285	6820229	0.32	9.7	0.5	<0.05	0.4	8.98	60.8	<0.02	<1	0.4	10.4	<10	<2	WHI0000417	
RDU-B-047	384112	6820313	0.62	9.5	0.5	<0.05	0.4	6.03	43.1	<0.02	1	0.4	11.8	<10	<2	WHI0000417	
RDU-B-048	383894	6820387	0.3	170.8	0.9	<0.05	0.8	51.52	95	0.09	<1	0.8	40.9	<10	<2	WHI0000417	
RDU-B-049	383735	6820432	0.2	12	0.7	<0.05	0.2	9	56.5	<0.02	<1	0.2	9.4	<10	<2	WHI0000417	
RDU-B-050	383544	6820507	0.57	8.4	1.2	<0.05	0.7	7.25	50.8	<0.02	<1	0.3	13.2	<10	<2	WHI0000417	
RDU-B-051	383376	6820538	0.51	7.6	0.5	<0.05	1	10.62	59.3	0.03	<1	0.5	13	<10	<2	WHI0000417	
RDU-B-052	384715	6820946	0.1	4.4	0.7	<0.05	4	30.75	114.1	0.05	<1	0.6	17.5	<10	<2	WHI0000417	
RDU-B-053	384528	6821016	0.3	4.7	0.6	<0.05	5	27.21	87.1	0.03	<1	0.8	18.3	<10	<2	WHI0000417	
RDU-B-054	384338	6821088	0.28	5.4	1.1	<0.05	4.5	24.13	113.2	0.05	<1	0.5	24.2	<10	<2	WHI0000417	
RDU-B-055	384140	6821156	0.21	6.5	0.5	<0.05	1.3	10.71	79.3	0.02	<1	0.4	16.6	<10	<2	WHI0000417	
RDU-B-056	383938	6821239	0.19	9.6	0.7	<0.05	1.1	18.02	80.4	0.02	<1	0.4	11	<10	2	WHI0000417	
RDU-B-057	383785	6821288	0.21	9.3	1	<0.05	6.5	13.05	61.7	0.03	<1	0.9	20.6	<10	2	WHI0000417	
RDU-B-058	383581	6821345	0.39	7.1	1.6	<0.05	1.1	12.56	56.9	0.02	<1	0.3	13.6	<10	<2	WHI0000417	
RDU-C-001	381702	6821076	0.25	11.1	1.3	<0.05	0.5	5.98	44.4	<0.02	<1	0.3	12.1	<10	<2	WHI0000417	
RDU-C-002	381711	6820842	0.55	12.3	1	<0.05	1.8	14.95	55.5	0.02	<1	0.6	18.4	<10	<2	WHI0000417	
RDU-C-003	381703	6820624	0.38	12.9	2	<0.05	0.7	12.5	47.6	<0.02	<1	0.8	20.8	<10	<2	WHI0000417	
RDU-C-004	381706	6820391	0.5	24.7	0.4	<0.05	0.9	8.46	50.2	<0.02	<1	0.8	19.6	<10	<2	WHI0000417	
RDU-C-005	381708	6820159	0.42	9	0.6	<0.05	2	8.28	49.5	<0.02	<1	0.5	17.6	<10	<2	WHI0000417	
RDU-C-006	on map	on map	0.13	11.4	0.5	<0.05	0.3	13.32	63	<0.02	<1	0.5	13.4	<10	<2	WHI0000417	
RDU-C-007	on map	on map	0.13	13	0.9	<0.05	0.4	17.72	37.2	0.04	<1	0.6	19.1	<10	<2	WHI0000417	
RDU-C-008	on map	on map	0.11	17.2	0.7	<0.05	0.2	7.75	30.1	<0.02	<1	0.6	7.9	<10	<2	WHI0000417	
RDU-C-009	on map	on map	0.98	7.2	0.5	<0.05	1.5	4.41	91.8	<0.02	<1	0.2	32.4	<10	<2	WHI0000417	
RDU-C-010	on map	on map	0.77	6.9	0.8	<0.05	1.1	6.3	106.2	0.03	<1	0.5	31.9	<10	<2	WHI0000417	
RDU-C-011	on map	on map	0.57	8	0.5	<0.05	0.7	5.6	66.6	0.03	<1	0.6	29.1	<10	<2	WHI0000417	
RDU-C-012	on map	on map	0.21	8	1	<0.05	0.5	4.34	60.4	<0.02	<1	0.4	17	<10	<2	WHI0000417	
RDU-C-013	on map	on map	0.26	9.6	0.4	<0.05	0.8	7.28	54.6	0.02	<1	0.4	12.7	<10	3	WHI0000417	
RDU-C-014	on map	on map	0.49	11.1	0.8	<0.05	0.8	8.75	73.7	0.03	<1	0.7	19.4	<10	2	WHI0000417	
RDU-C-015	on map	on map	0.09	7.2	0.8	<0.05	1	12.61	29.8	0.04	<1	0.4	10.8	18	<2	WHI0000417	
RDU-C-016	383208	6817779	0.13	10.4	1	<0.05	0.4	3.67	35.1	0.02	<1	0.3	6.2	<10	2	WHI0000417	
RDU-C-017	383345	6817694	0.26	7.5	0.9	<0.05	0.8	3.2	79.4	0.02	<1	0.3	20.5	<10	<2	WHI0000417	
RDU-C-018	383527	6817683	0.23	10.2	0.8	<0.05	1.7	18.27	57.5	0.04	<1	0.7	10.3	<10	<2	WHI0000417	
RDU-C-019	383674	6817580	0.19	14.5	0.4	<0.05	0.7	9.77	51.1	0.03	<1	0.4	16	<10	<2	WHI0000417	
RDU-C-020	383889	6817450	0.12	11.8	0.5	<0.05	2.3	9.63	35.1	0.03	<1	0.8	6.4	<10	<2	WHI0000417	
RDU-C-021	384060	6817376	0.08	14.8	0.6	<0.05	9.7	30.78	65.5	0.03	<1	1.9	5.7	<10	<2	WHI0000417	
RDU-C-022	384237	6817409	0.12	9.8	0.6	<0.05	0.2	9.79	22.3	0.03	<1	0.6	11.9	<10	<2	WHI0000417	
RDU-C-023	384406	6817584	0.14	14.6	0.6	<0.05	0.7	13.24	41	0.03	<1	0.7	32.1	<10	<2	WHI0000417	
RDU-C-024	384501	6817697	0.44	25.9	1.1	<0.05	1.1	14.63	58.6	0.02	<1	0.8	28.3	<10	<2	WHI0000417	
RDU-C-025	384676	6817794	0.32	20.7	0.6	<0.05	0.6	10.11	81.2	<0.02	<1	0.6	10.1	<10	<2	WHI0000417	
RDU-C-026	384883	6817830	0.4	18.8	1	<0.05	0.6	5.1	38.9	<0.02	<1	0.3	4.6	<10	<2	WHI0000417	
RDU-C-027	385083	6817862	0.79	11.1	0.5	<0.05	0.6	6.18	54.8	<0.02	<1	0.7	14.3	<10	<2	WHI0000417	
RDU-C-028	385227	6817941	0.28	9.7	1.4	<0.05	0.4	6.92	21.5	0.05	<1	0.4	22	<10	<2	WHI0000417	
RDU-C-029	385258	6818028	0.09	11.8	0.3	<0.05	0.8	13.64	31.3	<0.02	1	0.3	3.2	<10	<2	WHI0000417	
RDU-C-030	385440	6818149	1.31	27.2	1	<0.05	1.2	13.63	69.5	0.05	<1	0.6	37.2	<10	<2	WHI0000417	
RDU-C-031	385451	6818424	0.13	10.5	0.7	<0.05	1.1	14.19	61.6	0.03	<1	0.3	5.7	<10	<2	WHI0000417	

		Lab: ACME															
Date	Soil Sampler	Line	Station	Lab Tag Number	UTM Easting	UTM Northing	Elevation	Sample Depth (cm)	Horizon Sampled	Depth within Sampled Horizon	Sample Colour	Sample Comp. %					
												Organics	Ang. Rock	Gravel	Sand	Silt	Clay
20-Aug-10	DMG			RDU-C-032	385537	6818616		30-40	C	5-10	Yellowish Orange		30				70
20-Aug-10	MO			RDU-C-033	385656	6818760		60-70	B	30 up	Dark Grey	10		70			20
20-Aug-10	MO			RDU-C-034	385801	6818897		30-40	B	30 up	Dark Grey	10		80			10
20-Aug-10	MO			RDU-C-035	385959	6818989		20-30	B	20-25	Light Brown	20	20	50			10
20-Aug-10	MO			RDU-C-036	386153	6819062		30-40	A/B	5-10	Light Brown			10			90
20-Aug-10	MO			RDU-C-037	386351	6819086		20-30	A/B	5-10	Light Brown	10					90
21-Aug-10	MO			RDU-C-038	386544	6819090		40-50	B	5-10	Dark Brown	10	10	10	10		60
22-Aug-10	MO			RDU-C-039	386726	6819133		50-60	B/C	15-20	Light Brown		10			10	80
23-Aug-10	MO			RDU-C-040	386951	6819113		>70	B/C	30 up	Yellowish Orange				15	15	70
24-Aug-10	MO			RDU-C-041	387198	6819181		50-60	B/C	5-10	Yellowish Orange	10	10		20	10	50
25-Aug-10	MO			RDU-C-042	387363	6819214		50-60	B/C	5-10	Light Brown		10	10	10	10	70
26-Aug-10	MO			RDU-C-043	387542	6819259		40-50	B	2-5	Dark Brown		10	10		30	50
27-Aug-10	MO			RDU-C-044	387735	6819321		>70	B/C	30 up	Light Brown		10			10	80
28-Aug-10	MO			RDU-C-045	387928	6819345		60-70	B	30 up	Light Brown	10	10				80
29-Aug-10	MO			RDU-C-046	388140	6819370		>70	B/C	30 up	Dark Brown	10	10	10			70
30-Aug-10	MO			RDU-C-047	388329	6819383		60-70	C	30 up	Yellowish Orange		10	10	35	35	10
31-Aug-10	MO			RDU-C-048	388532	6819388		50-60	B/C	30 up	Light Brown	10	10		20		60
1-Sep-10	MO			RDU-C-049	388722	6819428		50-60	B/C	30 up	Olive Grey	10	10	10	10	10	50
2-Sep-10	MO			RDU-C-050	388913	6819444		40-50	B/C	15-20	Dark Brown		10			40	50
3-Sep-10	MO			RDU-C-051	389103	6819460		50-60	B/C	30 up	Dark Brown		10		10	10	70
20-Aug-10	DMG			RDU-C-052	385407	6818846		>70	B	30 up	Dark Grey			10	10		80
20-Aug-10	DMG			RDU-C-053	385250	6818988		60-70	B/C	30 up	Dark Grey			40	10	10	40
20-Aug-10	DMG			RDU-C-054	385095	6819094		>70	B/C	30 up	Dark Grey			30		30	40
20-Aug-10	DMG			RDU-C-055	384937	6819205		60-70	C	20-25	Dark Brown		10	10	20		60
20-Aug-10	DMG			RDU-C-056	384771	6819338		40-50	C	20-25	Light Brown		10	20	10		60
20-Aug-10	DMG			RDU-C-057	384505	6819435		60-70	C	25-30	Yellowish Orange		10	10	10	10	60
20-Aug-10	DMG			RDU-C-058	384478	6819533		60-70	C	30 up	Greenish Grey		20	40	20	10	10
20-Aug-10	DMG			RDU-C-059	384337	6819545		50-60	B/C	5-10	Yellowish Orange		30				70
20-Aug-10	DMG			RDU-C-060	384163	6819467		>70	B/C	10-15	Yellowish Orange						
20-Aug-10	DMG			RDU-C-061	383874	6819506		60-70	B/C	5-10	Yellowish Orange		10				90
20-Aug-10	DMG			RDU-C-062	383705	6819544		>70	B/C	5-10	Yellowish Orange		10		10		80
20-Aug-10	DMG			RDU-C-063	383534	6819531		30-40	B/C	2-5	Dark Grey		30		10		60
20-Aug-10	DMG			RDU-C-064	383316	6819517		30-40	B	5-10	Light Brown		10				90
20-Aug-10	DMG			RDU-C-065	383213	6819531		40-50	B	30 up	Dark Grey		30				70
20-Aug-10	DMG			RDU-C-066	383047	6819308		40-50	C	30 up	Light Brown		20	10			70
20-Aug-10	DMG			RDU-C-067	382970	6819448		40-50	B/C	30 up	Light Brown			30	10	10	50
20-Aug-10	DMG			RDU-C-068	382800	6819444		50-60	C	30 up	Dark Grey		20		10	10	60
21-Aug-10	MO			RDU-C-069	385567	6819328		30-40	B	10-15	Greenish Grey	10	10				80
21-Aug-10	MO			RDU-C-070	385439	6819463		40-50	B	30 up	Greenish Grey	10	10				80
21-Aug-10	MO			RDU-C-071	385340	6819640		>70	B/C	30 up	Light Grey		10		10	10	70
21-Aug-10	MO			RDU-C-072	385124	6819652		>70	C	30 up	Light Grey		10	10			80
24-Aug-10	MO			RDU-C-073	385106	6819825		>70	C	30 up	Light Grey		10		20	20	50
24-Aug-10	MO			RDU-C-074	385234	6819932		50-60	B/C	30 up	Dark Brown	10	10		10		70
24-Aug-10	MO			RDU-C-075	385339	6820098		40-50	B	15-20	Light Brown	10	10			10	70
22-Aug-10	DMG			RDU-CDX-001	385400	6818900		30-40	B	30 up	Greenish Grey				10	10	80
23-Aug-10	DMG			RDU-BDX-001	384111	6821702		60-70	B/C	5-10	Dark Grey		30				70
24-Aug-10	MO			RDU-MX-001	386294	6819351		60-70	B/C	30 up	Light Grey	10	10				80
24-Aug-10	MO			RDU-MX-002	386298	6819463		40-50	B/C	5-10	Light Brown	10	10		20		60
24-Aug-10	MO			RDU-MX-003	386229	6819554		50-60	C	30 up	Light Brown	10	10		10		70
24-Aug-10	MO			RDU-MX-004	386189	6819647		60-70	C	30 up	Dark Grey	10	10				80
24-Aug-10	MO			RDU-MX-005	386143	6819740		>70	B/C	30 up	Light Grey		0	10		10	80
24-Aug-10	MO			RDU-MX-006	386140	6819862		60-70	B/C	30 up	Dark Brown	10	20				70
24-Aug-10	MO			RDU-MX-007	386126	6819966		60-70	B/C	30 up	Light Brown		10		10		80
24-Aug-10	MO			RDU-MX-008	386082	6820093		50-60	B/C	30 up	Greenish Grey	10	10				80
24-Aug-10	MO			RDU-MX-009	386055	6820242		60-70	B/C	30 up	Light Brown	10	10				80
24-Aug-10	MO			RDU-MX-010	386025	6820408		60-70	B/C	30 up	Dark Brown		10		10	5	75
24-Aug-10	MO			RDU-MX-011	384721	6819367		60-70	C	30 up	Dark Brown		10		10		80
24-Aug-10	MO			RDU-MX-012	384831	6819436		50-60	B/C	30 up	Dark Brown	10	10		10		70
24-Aug-10	MO			RDU-MX-013	384918	6819543		50-60	B/C	15-20	Dark Grey		10		20	10	60
23-Aug-10	DMG			RDU-DX-001	384009	6818742		60-70	B/C	5-10	Dark Grey		10			10	80
24-Aug-10	DMG			RDU-DX-002	383870	6818754		>70	B/C	10-15	Dark Grey					50	50
25-Aug-10	DMG			RDU-DX-003	383786	6818785		50-60	B/C	10-15	Dark Grey		10		20		70
26-Aug-10	DMG			RDU-DX-004	383744	6818827		40-50	C	30 up	Yellowish Orange		20		20	10	50

ACME										Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
										Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U
Lab Tag Number	UTM Easting	UTM Northing	Parent Material	Moisture Content	Vegetation Cover	Topo Position	Photograph Number	Sample	Unit	PPM	PPM	PPM	PPM	PPB	PPM	PPM	PPM	%	PPM	PPM	
								Number	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1
RDU-C-032	385537	6818616	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-C-032	Soil	1.56	12.06	6.44	31	49	16.8	22	1825	6	7.4	0.7	
RDU-C-033	385656	6818760	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-C-033	Soil	4.58	35.64	43.4	413.1	312	49.3	11.5	262	3.46	58.6	2.3	
RDU-C-034	385801	6818897	Weathered Bedrock	Moist	Alpine	Mid Slope		RDU-C-034	Soil	4.66	31.14	28.67	145.6	385	41.9	9.8	537	3.27	28.6	2	
RDU-C-035	385959	6818989	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-C-035	Soil	2.95	30.38	29.91	118	336	48.2	13.4	1068	4.21	2.8	2.2	
RDU-C-036	386153	6819062	Till	Moist	Alpine	Ridge Top		RDU-C-036	Soil	1.5	25.6	37.79	71.5	59	27.3	12.4	733	3.21	9.1	0.8	
RDU-C-037	386351	6819086	Till	Moist	Alpine	Ridge Top		RDU-C-037	Soil	1.67	27.61	14.68	78.5	44	31	12.2	617	3.83	3.1	1.1	
RDU-C-038	386544	6819090	Till	Moist	Alpine	Ridge Top		RDU-C-038	Soil	1.58	12.85	17.4	73.4	85	17.9	5.7	283	2.11	9.4	0.8	
RDU-C-039	386726	6819133	Till	Moist	Alpine	Ridge Top		RDU-C-039	Soil	3.04	28.08	25.99	188.2	189	43.5	20.5	827	4.19	14	2.2	
RDU-C-040	386951	6819113	Till	Moist	Alpine	Ridge Top		RDU-C-040	Soil	2.56	30.66	16.83	155.3	239	41.6	10.4	387	3.28	18.6	1.6	
RDU-C-041	387198	6819181	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-C-041	Soil	1.11	25.41	10.34	113.1	45	49.5	19.9	888	5.01	8.2	1.3	
RDU-C-042	387363	6819214	Till	Moist	Alpine	Ridge Top		RDU-C-042	Soil	1.03	23.29	17.25	89.2	35	32.8	14.1	688	3.64	8.7	1	
RDU-C-043	387542	6819259	Till	Moist	Alpine	Ridge Top		RDU-C-043	Soil	1.18	29.27	24.15	101.8	93	46.4	20.3	759	3.8	7.8	1.1	
RDU-C-044	387735	6819321	Till	Moist	Alpine	Ridge Top		RDU-C-044	Soil	0.9	24.51	16.91	90.9	46	34.3	14.6	608	3.62	7.7	0.8	
RDU-C-045	387928	6819345	Till	Moist	Alpine	Ridge Top		RDU-C-045	Soil	1.33	23.77	21.54	85.9	54	30.5	16.7	675	3.88	14.2	0.9	
RDU-C-046	388140	6819370	Till	Moist	Alpine	Ridge Top		RDU-C-046	Soil	1.07	33.58	18.68	97	178	32	14.1	553	3.23	18.9	1.8	
RDU-C-047	388329	6819383	Till	Dry	Alpine	Ridge Top		RDU-C-047	Soil	1.08	22.38	12.37	84.8	78	35.3	15.3	655	3.84	11.5	0.9	
RDU-C-048	388532	6819388	Till	Moist	Alpine	Ridge Top		RDU-C-048	Soil	1.3	21.63	28.45	74.1	80	29.8	15.4	732	3.47	16.2	1	
RDU-C-049	388722	6819428	Till	Moist	Alpine	Ridge Top		RDU-C-049	Soil	0.99	47.98	12.98	114.4	216	54.1	23.1	1149	4.35	19	0.8	
RDU-C-050	388913	6819444	Till	Dry	Alpine	Ridge Top		RDU-C-050	Soil	1.68	70.31	9.93	101.9	133	61.4	50.2	1917	9.44	50.9	0.4	
RDU-C-051	389103	6819460	Till	Moist	Alpine	Ridge Top		RDU-C-051	Soil	2.11	49.19	7.46	85.5	167	75.1	29.6	1251	5.55	9.1	0.7	
RDU-C-052	385407	6818846	Till	Moist	Alpine	Ridge Top		RDU-C-052	Soil	2.51	27.3	22.67	149.3	179	25.7	12.5	294	4.21	12.4	2	
RDU-C-053	385250	6818988	Till	Moist	Alpine	Mid Slope		RDU-C-053	Soil	0.92	18.86	6.5	57.4	161	1288.1	51.3	785	3.8	471.5	0.6	
RDU-C-054	385095	6819094	Weathered Bedrock	Moist	Alpine	Mid Slope		RDU-C-054	Soil	0.62	14.35	4.02	37.9	71	1161.1	41.4	479	2.76	5.3	0.4	
RDU-C-055	384937	6819205	Till	Moist	Alpine	Mid Slope		RDU-C-055	Soil	0.74	33.11	5.99	69.1	170	893.5	43.8	1061	4.83	89.4	0.5	
RDU-C-056	384771	6819338	Weathered Bedrock	Moist	Alpine	Ridge Top		RDU-C-056	Soil	1.04	25.5	13.09	50.2	339	433.8	33.4	800	3.77	200.2	0.9	
RDU-C-057	384505	6819435	Till	Moist	Alpine	Ridge Top		RDU-C-057	Soil	0.44	19.28	21.68	62.8	1483	2477.6	120.2	1283	6.77	540.7	0.2	
RDU-C-058	384478	6819533	Weathered Bedrock	Dry	Alpine	Ridge Top		RDU-C-058	Soil	0.06	4.21	1.35	19.3	23	2763	126.3	237	4.57	34.9	<0.1	
RDU-C-059	384337	6819545	Weathered Bedrock	Moist	Alpine	Mid Slope		RDU-C-059	Soil	2.23	77.04	10.4	87.7	1184	456.9	29.7	1190	4.86	1357.4	0.8	
RDU-C-060	384163	6819467	Weathered Bedrock	Moist	Alpine	Plateau		RDU-C-060	Soil	0.77	133.68	23.21	148.4	1305	967.5	64.9	2090	7.32	3390.5	0.4	
RDU-C-061	383874	6819506	Weathered Bedrock	Moist	Alpine	Plateau		RDU-C-061	Soil	2.08	26.57	20.19	75.4	175	88.8	18.9	394	4.27	450.4	0.9	
RDU-C-062	383705	6819544	Weathered Bedrock	Moist	Alpine	Plateau		RDU-C-062	Soil	1.54	25.23	11.81	59.5	268	1199.3	60.5	836	4.45	203.2	0.6	
RDU-C-063	383534	6819531	Till	Moist	Alpine	Plateau		RDU-C-063	Soil	2.9	39.14	23.54	91.1	588	476.3	26.5	588	3.96	486.4	0.8	
RDU-C-064	383316	6819517	Talus	Moist	Alpine	Mid Slope		RDU-C-064	Soil	1.76	15.46	18.93	71.6	117	136.8	18	544	2.91	208.1	0.6	
RDU-C-065	383213	6819531	Weathered Bedrock	Moist	Alpine	Mid Slope		RDU-C-065	Soil	4.88	62.69	23.02	113.3	1138	209	19.1	572	4.22	323.3	1.8	
RDU-C-066	383047	6819308	Weathered Bedrock	Moist	Alpine	Bench		RDU-C-066	Soil	3.35	32.23	21.01	104	210	156.6	30.4	715	5.45	363.9	0.9	
RDU-C-067	382970	6819448	Till	Moist	Alpine	Mid Slope		RDU-C-067	Soil	3.44	51.18	49.11	116.7	2272	88.8	19.1	843	4.84	1130.8	1.2	
RDU-C-068	382800	6819444	Till	Moist	Alpine	Mid Slope		RDU-C-068	Soil	1.56	32.42	15.42	97.1	277	246.4	19	504	2.65	438.5	0.9	
RDU-C-069	385567	6819328	Till	Moist	Alpine	Mid Slope		RDU-C-069	Soil	1.74	42.91	15.82	117.3	32	41.6	19.2	876	3.76	10.3	1.4	
RDU-C-070	385439	6819463	Till	Moist	Alpine	Mid Slope		RDU-C-070	Soil	2.1	51.75	24.15	88.2	634	71.3	15.9	678	3.62	242.8	1.6	
RDU-C-071	385340	6819640	Fluvial - Stream/River	Moist	Buck Brush	Valley Bottom		RDU-C-071	Soil	2.43	50.44	20.58	111.3	183	47.1	20.5	1162	4.1	14	1.5	
RDU-C-072	385124	6819652	Till	Moist	Buck Brush	Mid Slope		RDU-C-072	Soil	2.61	71.04	94.27	197.5	3090	111.3	27.4	834	4.56	1040.8	1.7	
RDU-C-073	385106	6819825	Till	Moist	Buck Brush	Mid Slope		RDU-C-073	Soil	2.65	38.61	21.2	96.1	313	104.7	17.5	679	3.54	152.3	1.6	
RDU-C-074	385234	6819932	Till	Moist	Buck Brush	Valley Bottom		RDU-C-074	Soil	3.7	65.71	44.36	197.4	298	115.1	46	1174	5.33	101.9	1.4	
RDU-C-075	385339	6820098	Till	Moist	Buck Brush	Bench		RDU-C-075	Soil	1.84	35.56	32.62	124.1	95	60.2	21.4	679	3.9	20.3	1	
RDU-CDX-001	385400	6818900	Till	Moist	Alpine	Plateau		RDU-CDX-001	Soil	3.24	23.85	24.78	121.3	161	25.1	15.2	1003	3.78	27	2.3	
RDU-BDX-001	384111	6821702	Weathered Bedrock	Moist	Buck Brush	Mid Slope		RDU-BDX-001	Soil	1.64	26.62	14.78	74.8	27	47.6	21.2	835	4.18	11.9	0.7	
RDU-MX-001	386294	6819351	Till	Saturated	Alpine	Mid Slope		RDU-MX-001	Soil	1.41	28.34	24.51	113	89	45.7	18.9	1001	3.97	9.8	1.1	
RDU-MX-002	386298	6819463	Till	Moist	Alpine	Mid Slope		RDU-MX-002	Soil	1.64	25.32	28.23	85.2	32	31.2	15.4	632	3.97	7.6	0.7	
RDU-MX-003	386229	6819554	Till	Moist	Alpine	Mid Slope		RDU-MX-003	Soil	3.28	41.6	27.93	138.2	51	35.9	24.5	2033	7.76	1.9	1.8	
RDU-MX-004	386189	6819647	Till	Moist	Alpine	Mid Slope		RDU-MX-004	Soil	1.69	65.48	82.57	135.9	237	43.3	38.5	3178	6.18	2.6	2.4	
RDU-MX-005	386143	6819740	Till	Moist	Alpine	Mid Slope		RDU-MX-005	Soil	0.72	44.76	60.5	129.7	63	45.7	25.3	1403	5.26	1.3	0.9	
RDU-MX-006	386140	6819862	Till	Moist	Alpine	Mid Slope		RDU-MX-006	Soil	0.88	55	65.21	117.1	65	53.4	29.4	1430	5.52	2.3	1.3	
RDU-MX-007	386126	6819966	Till	Moist	Alpine	Mid Slope		RDU-MX-007	Soil	0.87	49.76	28.91	119.7	96	51.1	23.2	1152	5.62	2.7	1.6	
RDU-MX-008	386082	6820093	Till	Moist	Alpine	Mid Slope		RDU-MX-008	Soil	0.64	71.54	25.84	100	97	103.5	34.1	988	5.22	11.1	0.9	
RDU-MX-009	386055	6820242	Till	Moist	Alpine	Mid Slope		RDU-MX-009	Soil	3.15	88.54	15.1	89.7	78	122.6	55.5	3896	10.09	5.5	0.8	
RDU-MX-010	386025	6820408	Till	Moist	Alpine	Valley Bottom		RDU-MX-010	Soil	2.11	90.13	17.56	105	86	106.1	39.7	2074	8.53	5.7	1	
RDU-MX-011	384721	6819367	Till	Moist	Alpine	Bench		RDU-MX-011	Soil	1.03	51.97	29.59	103	3804	110.2	45.2	2247	11.6	2678.1	0.6	
RDU-MX-012	384831	6819436	Till	Moist	Alpine	Mid Slope		RDU-MX-012	Soil	0.56	64.82	8.49	81.6	209	68.6	23.5	1212	4.58	102.9	0.4	
RDU-MX-013	384918	6819543	Till	Moist	Alpine	Mid Slope		RDU-MX-013	Soil	1.5	73.29	35.36	99.1	3703	105.6	16.2	687	3.13	676.9	1.3	
RDU-DX-001	384009	6818742	Weathered Bedrock	Moist	Buck Brush	Ridge Top		RDU-DX-001	Soil	4.09	53.83	30.96	91	1185	46.6	12.1	548	3.2	117.8	2.2	
RDU-DX-002	383870	6818754	Till	Moist	Buck Brush	Ridge Top		RDU-DX-002	Soil	1.7	24.34	21.51	88.1	196	49.4	13.4	554	2.67	106.7	2	
RDU-DX-003	383786	6818785	Weathered Bedrock	Moist	Buck Brush	Ridge Top		RDU-DX-003	Soil	1.21	42.28	30.99	101.8	1316	520.7	37.9	831	4.06	310.3	1	
RDU-DX-004	383744	6818827	Weathered Bedrock	Moist	Marsh	Mid Slope															

		Lab: ACME																		
Date	Soil Sampler	Line	Station	Lab Tag Number	UTM Easting	UTM Northing	Elevation	Sample Depth (cm)	Horizon Sampled	Depth within Sampled Horizon	Sample Colour	Sample Comp. %								
												Organics	Ang. Rock	Gravel	Sand	Silt	Clay			
27-Aug-10	DMG			RDU-DX-005	383643	6818891		10-20	C	10-15	Light Brown		20			20	60			
28-Aug-10	DMG			RDU-DX-006	383575	6818952		20-30	C	10-15	Yellowish Orange		20			20	60			
29-Aug-10	DMG			RDU-DX-007	383356	6819065		>70	B	30 up	Dark Grey			10	20	40	30			
30-Aug-10	DMG			RDU-DX-008	383315	6819559		30-40	B/C	10-15	Dark Brown		0	30	10	20	40			
31-Aug-10	DMG			RDU-DX-009	383381	6819431		60-70	B/C	20-25	Dark Grey		20		10		70			
1-Sep-10	DMG			RDU-DX-010	383522	6819481		50-60	B/C	20-25	Dark Brown				10	20	70			
2-Sep-10	DMG			RDU-DX-011	383671	6819470		40-50	B	15-20	Dark Grey				10	20	70			
3-Sep-10	DMG			RDU-DX-012	383955	6819408		50-60	B/C	5-10	Light Brown		20		20	10	50			
4-Sep-10	DMG			RDU-DX-013	384757	6818551		30-40	A/B	15-20	Dark Grey		30		10	10	50			
5-Sep-10	DMG			RDU-DX-014	384702	6818449		>70	A/B	30 up	Dark Grey		30		10	5	55			
6-Sep-10	DMG			RDU-DX-015	384581	6818117		>70	B/C	30 up	Dark Brown		20		10	10	60			
7-Sep-10	DMG			RDU-DX-016	384059	6817846		40-50	B	30 up	Dark Brown				80		20			
8-Sep-10	DMG			RDU-DX-017	383617	6818531		60-70	B/C	30 up	Yellowish Orange			20	20	10	10	40		
9-Sep-10	DMG			RDU-DX-018	383018	6819274														
10-Sep-10	DMG			RDU-DX-019	383273	6819347		40-50	B/C	20-25	Dark Grey		20		10	10	60			
11-Sep-10	DMG			RDU-DX-020	384251	6819359		40-50	B/C	10-15	Dark Grey		20	10	10		60			
12-Sep-10	DMG			RDU-DX-021	384400	6819368		30-40	B	10-15	Dark Grey		30		10	20	40			
13-Sep-10	DMG			RDU-DX-022	384501	6819386		40-50	B/C	10-15	Yellowish Orange		30		10	10	50			
14-Sep-10	DMG			RDU-DX-023	384633	6819504		>70	C	30 up	Yellowish Orange				10	10	80			
27-Aug-10	DMG			RDU-DX-024	385359	6818895		60-70	C	15-20	Yellowish Orange		30		20					
27-Aug-10	DMG			RDU-DX-025	385346	6818896		>70	C	20-25	Light Grey		10		10	10				
23-Aug-10	DMG			RDU-SLT-001	384271	6818832														
23-Aug-10	DMG			RDU-SLT-002	384127	6818828														
23-Aug-10	DMG			RDU-SLT-003	383563	6819092														
23-Aug-10	DMG			RDU-SLT-004	383504	6819070														
23-Aug-10	DMG			RDU-SLT-005	383355	6819056														
23-Aug-10	DMG			RDU-SLT-006	385370	6820097														
23-Aug-10	DMG			RDU-SLT-007	385502	6820398														
23-Aug-10	DMG			RDU-SLT-008	385786	6820718														
23-Aug-10	DMG			RDU-SLT-009	386059	6821011														
23-Aug-10	DMG			RDU-SLT-010	383176	6820571														
23-Aug-10	DMG			RDU-SLT-011	383151	6820557														
24-Aug-10	DMG			RDU-SLT-012	383066	6820497														
24-Aug-10	DMG			RDU-SLT-013	382867	6820276														
24-Aug-10	DMG			RDU-SLT-014	382736	6820125														
24-Aug-10	DMG			RDU-SLT-015	382518	6819987														
24-Aug-10	DMG			RDU-SLT-016	382388	6819870														
24-Aug-10	DMG			RDU-SLT-017	382214	6819746														
24-Aug-10	DMG			RDU-SLT-018	382066	6819662														
24-Aug-10	DMG			RDU-SLT-019	381963	6819672														
24-Aug-10	DMG			RDU-SLT-020	382167	6819578														
24-Aug-10	DMG			RDU-SLT-021	383865	6818025														
24-Aug-10	DMG			RDU-SLT-022	383832	6818120														
24-Aug-10	DMG			RDU-SLT-023	383743	6818312														
24-Aug-10	DMG			RDU-SLT-024	383416	6818860														
26-Aug-10	DMG			RDU-SLT-025	383130	6818960														
26-Aug-10	DMG			RDU-SLT-026	393254	6820050														
26-Aug-10	DMG			RDU-SLT-027	393061	6819960														
26-Aug-10	DMG			RDU-SLT-028	392991	6820016														
26-Aug-10	DMG			RDU-SLT-029	392892	6819998														
26-Aug-10	DMG			RDU-SLT-030	391605	6819739														
26-Aug-10	DMG			RDU-SLT-031	391456	6819799														
26-Aug-10	DMG			RDU-SLT-032	391412	6819895														
26-Aug-10	DMG			RDU-SLT-033	NS	NS														
26-Aug-10	DMG			RDU-SLT-034	388457	6821768														
26-Aug-10	DMG			RDU-SLT-035	388407	6821902														

ACME									Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15			
Lab Tag Number	UTM Easting	UTM Northing	Parent Material	Moisture Content	Vegetation Cover	Topo Position	Photograph Number	Sample	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U				
								Unit	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
								Number	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1				
RDU-DX-005	383643	6818891	Weathered Bedrock	Moist	Buck Brush	Ridge Top	RDU-DX-005	Soil	1.41	62.96	18.74	90.9	689	282.3	33.2	750	4.45	380.4	0.9					
RDU-DX-006	383575	6818952	Weathered Bedrock	Moist	Alpine	Ridge Top	RDU-DX-006	Soil	1.07	116.49	30.77	82.3	1159	224.4	38.4	1571	6.26	774	1					
RDU-DX-007	383356	6819065	Fluvial - Stream/River	Moist	Buck Brush	Valley Bottom	RDU-DX-007	Soil	1.41	27.89	17.42	85.2	370	307.2	29.2	518	3.47	189.6	1.3					
RDU-DX-008	383315	6819559	Till	Moist	Buck Brush	Plateau	RDU-DX-008	Soil	2.23	18.51	18.48	91.2	112	115.4	21.5	629	4.05	144.6	0.9					
RDU-DX-009	383381	6819431	Till	Moist	Alpine	Ridge Top	RDU-DX-009	Soil	2.14	46.83	18.22	109.3	690	511.6	34.8	633	4.11	412.3	1.2					
RDU-DX-010	383522	6819481	Till	Moist	Alpine	Ridge Top	RDU-DX-010	Soil	1.48	32.18	15.82	84.7	550	540	37.6	628	3.74	252.2	1					
RDU-DX-011	383671	6819470	Till	Moist	Alpine	Plateau	RDU-DX-011	Soil	0.62	12.41	7.99	45.5	132	526.5	31.4	182	2.17	30.1	0.5					
RDU-DX-012	383955	6819408	Weathered Bedrock	Moist	Alpine	Mid Slope	RDU-DX-012	Soil	1.42	23.81	14.49	71.6	337	670.7	35.6	766	3.81	448.4	0.8					
RDU-DX-013	384757	6818551	Till	Moist	Alpine	Ridge Top	RDU-DX-013	Soil	1.09	31.56	10.57	125.1	128	38.5	16.9	811	3.69	61.9	2					
RDU-DX-014	384702	6818449	Talus	Moist	Alpine	Mid Slope	RDU-DX-014	Soil	1.33	21.49	19.09	77.9	219	25.8	13.6	856	3.15	310.5	2.5					
RDU-DX-015	384581	6818117	Till	Wet	Alpine	Mid Slope	RDU-DX-015	Soil	1.42	17.18	29.45	45.5	199	16.5	12	398	3.19	117.7	3.5					
RDU-DX-016	384059	6817846	Till	Moist	Alpine	Mid Slope	RDU-DX-016	Soil	1.48	14.38	30.6	78.4	42	20	11.7	453	2.8	71.1	1.5					
RDU-DX-017	383617	6818531	Fluvial - Stream/River	Moist	Evergreen Forest	Bench	RDU-DX-017	Soil	1.16	26	21.14	154.2	597	53.7	18.3	1563	3.97	103.4	2.6					
RDU-DX-018	383018	6819274	Till	Moist	Alpine	Ridge Top	RDU-DX-018	Soil	1.53	21.39	16.74	67.6	207	672.7	38.2	606	3.78	405.9	0.6					
RDU-DX-019	383273	6819347	Till	Moist	Buck Brush	Ridge Top	RDU-DX-019	Soil	2.54	27.11	15.91	89.6	168	124.3	19.3	437	3.34	165.2	0.8					
RDU-DX-020	384251	6819359	Talus	Moist	Alpine	Mid Slope	RDU-DX-020	Soil	0.7	25.32	8.03	62.6	229	1119.6	49.9	437	3.72	146.7	0.7					
RDU-DX-021	384400	6819368	Till	Moist	Alpine	Mid Slope	RDU-DX-021	Soil	0.79	18.96	9.74	55.5	96	972.2	60.1	1065	4.49	92.8	0.6					
RDU-DX-022	384501	6819386	Weathered Bedrock	Moist	Alpine	Mid Slope	RDU-DX-022	Soil	1.01	28.3	10.07	61.6	201	1588.1	68.9	904	4.84	73.3	0.9					
RDU-DX-023	384633	6819504	Weathered Bedrock	Moist	Alpine	Mid Slope	RDU-DX-023	Soil	0.56	84.3	6.6	81.3	182	301.3	54.4	1230	5.99	128.5	0.3					
RDU-DX-024	385359	6818895	Weathered Bedrock	Moist	Alpine	Mid Slope	RDU-DX-024	Soil	1.29	96.37	14.11	81.4	702	60.5	18.2	1298	3.15	216.2	0.7					
RDU-DX-025	385346	6818896	Weathered Bedrock	Moist	Alpine	Mid Slope	RDU-DX-025	Soil	1.45	75.51	15.82	93.3	647	57.4	19.6	1026	3.46	226.6	1					
RDU-SLT-001	384271	6818832					RDU-SLT-001	Silt	1.65	34.87	23.92	114.4	640	526.8	35.5	825	4.1	423.5	1					
RDU-SLT-002	384127	6818828					RDU-SLT-002	Silt	3.71	35.35	25.97	104.8	502	570.7	36.1	923	4.18	356	1.2					
RDU-SLT-003	383563	6819092					RDU-SLT-003	Silt	1.84	32.48	27.8	92.8	471	649.7	37.1	650	3.95	226.3	1					
RDU-SLT-004	383504	6819070					RDU-SLT-004	Silt	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.					
RDU-SLT-005	383355	6819056					RDU-SLT-005	Silt	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.					
RDU-SLT-006	385370	6820097					RDU-SLT-006	Silt	4.04	58.51	29.41	143.8	395	114	23.7	693	4.01	162.2	1.6					
RDU-SLT-007	385502	6820398					RDU-SLT-007	Silt	3.96	56.69	37.96	145.6	401	102.1	23.4	963	4.5	167.3	2.1					
RDU-SLT-008	385786	6820718					RDU-SLT-008	Silt	3.44	41.01	27.89	121.6	184	88.5	22.5	1033	4.43	146.7	1.1					
RDU-SLT-009	386059	6821011					RDU-SLT-009	Silt	2.26	44	29.89	128.6	237	89.6	24.5	931	4.6	91.5	1.2					
RDU-SLT-010	383176	6820571					RDU-SLT-010	Silt	1.31	22.53	18.12	112.6	100	45	17.1	816	2.9	28.9	1.3					
RDU-SLT-011	383151	6820557					RDU-SLT-011	Silt	1.44	26.2	20.52	120.7	144	48.9	15.8	693	2.89	26.5	1.5					
RDU-SLT-012	383066	6820497					RDU-SLT-012	Silt	1.3	24.7	18.07	119.5	147	52.6	15.3	562	2.86	26.7	1.1					
RDU-SLT-013	382867	6820276					RDU-SLT-013	Silt	1.63	34.43	17.84	139.3	248	60.7	14.6	538	2.63	26.1	1.3					
RDU-SLT-014	382736	6820125					RDU-SLT-014	Silt	5.21	65	25.13	581.9	328	144.3	38.4	1812	6.05	90.3	2					
RDU-SLT-015	382518	6819987					RDU-SLT-015	Silt	3.34	51.12	24.68	220.9	426	95.8	20.2	785	3.76	116	1.4					
RDU-SLT-016	382388	6819870					RDU-SLT-016	Silt	3.32	46.76	21.23	205	354	98.3	20.9	912	4.07	176.9	1.3					
RDU-SLT-017	382214	6819746					RDU-SLT-017	Silt	1.48	36.86	15.06	116.1	274	40	11.5	527	2.18	13.9	0.9					
RDU-SLT-018	382066	6819662					RDU-SLT-018	Silt	2.24	38.78	20.3	149.7	327	140.9	18.9	839	3.18	124.3	1.3					
RDU-SLT-019	381963	6819672					RDU-SLT-019	Silt	2.92	41.46	24.7	149.3	291	160.7	21.5	940	3.76	155.4	1.5					
RDU-SLT-020	382167	6819578					RDU-SLT-020	Silt	1.97	40.93	19.44	139.9	598	169.9	21.8	859	3.71	152.8	1.4					
RDU-SLT-021	383865	6818025					RDU-SLT-021	Silt	2.42	19.7	31.21	209.1	191	38.4	13.4	734	3.03	129.3	2.4					
RDU-SLT-022	383832	6818120					RDU-SLT-022	Silt	1.5	23.45	25.31	203.9	193	38	14.8	755	3.04	116.6	2.1					
RDU-SLT-023	383743	6818312					RDU-SLT-023	Silt	2.04	32.4	25.13	165.6	293	74.3	20.8	939	3.79	129.8	1.9					
RDU-SLT-024	383416	6818860					RDU-SLT-024	Silt	1.67	28.51	23.53	164.2	225	72.4	19.1	898	3.5	124.2	1.7					
RDU-SLT-025	383130	6818960					RDU-SLT-025	Silt	2.1	29.58	25.29	151.1	272	182.7	21.1	953	3.56	144.9	1.5					
RDU-SLT-026	393254	6820050					RDU-SLT-026	Silt	1.38	19.63	16.05	91.6	97	37.8	13.9	1850	3.01	76.4	2.1					
RDU-SLT-027	393061	6819960					RDU-SLT-027	Silt	2.64	19.46	25.72	83.7	77	45.6	15.6	2366	3.22	113.6	3.9					
RDU-SLT-028	392991	6820016					RDU-SLT-028	Silt	2.56	18.07	23.25	103.3	111	56.9	16.1	2139	3.31	56.7	1.4					
RDU-SLT-029	392892	6819998					RDU-SLT-029	Silt	2.11	19.09	22.59	100.9	91	62.6	15.6	1873	3.05	61.8	1.2					
RDU-SLT-030	391605	6819739					RDU-SLT-030	Silt	1.77	17.46	17.11	106.1	87	53.1	17.6	3851	3.68	74.2	1.2					
RDU-SLT-031	391456	6819799					RDU-SLT-031	Silt	1.79	18.87	16.77	109.5	85	50.1	17.2	3153	3.73	86.5	1.3					
RDU-SLT-032	391412	6819895					RDU-SLT-032	Silt	1.73	18.46	16.32	102.7	64	48.8	17.4	3729	3.87	72.1	1.1					
RDU-SLT-033	NS	NS																						
RDU-SLT-034	388457	6821768					RDU-SLT-034	Silt	1.99	24.88	20.12	113.5	91	66.7	22.1	2479	4.11	60.7	1.6					
RDU-SLT-035	388407	6821902					RDU-SLT-035	Silt	2.04	24.92	20.46	133.4	118	79.9	25.7	5366	4.75	66.4	1.3					

ACME			1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
			Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt		
Lab Tag Number	UTM Easting	UTM Northing	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPB	PPM	PPM	PPB	PPB		
			0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	Certificate	
RDU-DX-005	383643	6818891	0.31	7.9	1	<0.05	1.3	10.56	45.4	<0.02	<1	0.6	11.4	<10	3	WH10000417	
RDU-DX-006	383575	6818952	0.32	7.8	0.8	<0.05	1	11.52	37.3	0.04	<1	0.6	14.7	<10	2	WH10000417	
RDU-DX-007	383356	6819065	0.14	9.4	0.6	<0.05	0.3	9.69	43.2	<0.02	<1	0.3	13.4	<10	<2	WH10000417	
RDU-DX-008	383315	6819559	0.38	9	0.9	<0.05	0.2	5.32	33.9	0.03	<1	0.4	24.1	<10	<2	WH10000417	
RDU-DX-009	383381	6819431	0.29	8.3	0.7	<0.05	2.8	10.76	36.9	0.03	<1	0.9	15.4	<10	<2	WH10000417	
RDU-DX-010	383522	6819481	0.25	7.7	1	<0.05	2.4	9.36	32.4	0.03	<1	0.4	15.7	<10	4	WH10000417	
RDU-DX-011	383671	6819470	0.27	5.2	1.2	<0.05	1.2	4.11	23.4	<0.02	2	0.2	12.6	<10	<2	WH10000417	
RDU-DX-012	383955	6819408	0.55	7.6	1.4	<0.05	1.5	6.13	25.2	<0.02	1	0.8	12.5	<10	<2	WH10000417	
RDU-DX-013	384757	6818551	0.14	7.4	0.5	<0.05	1.4	5.05	34.6	<0.02	<1	0.3	18.8	<10	<2	WH10000417	
RDU-DX-014	384702	6818449	0.25	17.5	0.7	<0.05	1	9.5	44.9	<0.02	<1	0.5	14.6	<10	<2	WH10000417	
RDU-DX-015	384581	6818117	0.38	18.5	0.5	<0.05	3.9	18.18	53	0.03	<1	0.6	16.1	<10	<2	WH10000417	
RDU-DX-016	384059	6817846	0.44	12.1	0.4	<0.05	0.7	9.94	46.8	0.03	<1	0.4	28	<10	<2	WH10000417	
RDU-DX-017	383617	6818531	0.16	11.8	0.6	<0.05	1.4	19.37	49.8	0.03	1	0.7	21.5	<10	<2	WH10000417	
RDU-DX-018	383018	6819274	0.29	8.4	0.9	<0.05	1.5	4.96	27.7	0.03	<1	1	19.3	<10	<2	WH10000417	
RDU-DX-019	383273	6819347	0.39	10.5	0.7	<0.05	1.1	5.39	38	0.03	1	0.6	25.9	<10	<2	WH10000417	
RDU-DX-020	384251	6819359	0.47	6.1	0.7	<0.05	1.2	5.69	20.3	<0.02	<1	0.8	12.9	<10	4	WH10000417	
RDU-DX-021	384400	6819368	0.4	6	0.9	<0.05	0.6	4.44	20.8	<0.02	1	0.7	11	<10	<2	WH10000417	
RDU-DX-022	384501	6819386	0.29	6.3	0.9	<0.05	1.3	8.28	19.8	<0.02	<1	0.9	14.5	<10	<2	WH10000417	
RDU-DX-023	384633	6819504	0.07	12.7	0.6	<0.05	1.1	15.99	26.6	0.04	<1	0.7	34.9	<10	<2	WH10000417	
RDU-DX-024	385359	6818895	0.15	8	1.5	<0.05	2.7	6.91	34.6	0.02	<1	0.5	7	<10	<2	WH10000417	
RDU-DX-025	385346	6818896	0.18	8.3	1.1	<0.05	4	8.78	35.9	0.03	<1	0.6	10	<10	2	WH10000417	
RDU-SLT-001	384271	6818832	0.11	5.6	2.6	<0.05	1.4	9.38	27.6	0.02	1	0.4	6.7	<10	<2	WH10000418	
RDU-SLT-002	384127	6818828	0.15	7.3	7.7	<0.05	1.7	9.29	30.9	<0.02	<1	0.3	9.5	<10	<2	WH10000418	
RDU-SLT-003	383563	6819092	0.19	8.2	8.5	<0.05	1.7	9.89	33.3	<0.02	<1	0.4	13.3	<10	2	WH10000418	
RDU-SLT-004	383504	6819070	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	WH10000418	
RDU-SLT-005	383355	6819056	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	WH10000418	
RDU-SLT-006	385370	6820097	0.1	5.2	0.7	<0.05	4.2	9.78	49.3	0.03	<1	0.2	8.1	<10	<2	WH10000418	
RDU-SLT-007	385502	6820398	0.09	4	1.2	<0.05	3.1	11.01	41.1	0.02	2	0.3	8.6	<10	<2	WH10000418	
RDU-SLT-008	385786	6820718	0.37	2.9	4	<0.05	3.9	9.53	42.1	<0.02	2	0.2	13.6	<10	<2	WH10000418	
RDU-SLT-009	386059	6821011	0.15	4.9	2.7	<0.05	3	12.34	54.9	<0.02	1	0.2	15.6	<10	<2	WH10000418	
RDU-SLT-010	383176	6820571	0.27	9.6	1.1	<0.05	0.6	11.13	49.3	0.02	<1	0.4	16.7	<10	<2	WH10000418	
RDU-SLT-011	383151	6820557	0.38	11.2	2.4	<0.05	0.5	12.75	51.7	<0.02	<1	0.4	17.5	<10	<2	WH10000418	
RDU-SLT-012	383066	6820497	0.47	10.9	1.3	<0.05	0.7	12.12	48.6	0.02	<1	0.4	16.3	<10	<2	WH10000418	
RDU-SLT-013	382867	6820276	0.56	10.6	2.8	<0.05	0.9	14.39	43.9	<0.02	2	0.4	14.7	<10	<2	WH10000418	
RDU-SLT-014	382736	6820125	0.19	9.2	1.9	<0.05	1.7	13.87	52.7	0.05	1	0.8	9.8	<10	<2	WH10000418	
RDU-SLT-015	382518	6819987	0.4	9.8	5.4	<0.05	3.5	12.76	45.6	<0.02	6	0.6	13	<10	<2	WH10000418	
RDU-SLT-016	382388	6819870	0.31	7.4	2.9	<0.05	2.1	10.94	41.3	0.03	2	0.7	11.7	<10	<2	WH10000418	
RDU-SLT-017	382214	6819746	0.68	9.5	0.9	<0.05	3.7	10.04	32.9	0.02	2	0.6	14.9	<10	<2	WH10000418	
RDU-SLT-018	382066	6819662	0.27	7.4	4.1	<0.05	1.5	9.5	32.7	<0.02	<1	0.4	15.1	<10	<2	WH10000418	
RDU-SLT-019	381963	6819672	0.16	6.8	6	<0.05	2	9.02	34.3	<0.02	2	0.3	15.8	<10	2	WH10000418	
RDU-SLT-020	382167	6819578	0.17	6.8	2.9	<0.05	1.5	9.02	33.6	<0.02	1	0.5	16.8	<10	<2	WH10000418	
RDU-SLT-021	383865	6818025	0.14	8.9	3.9	<0.05	1.2	16.93	41.6	<0.02	<1	0.5	21.2	<10	<2	WH10000418	
RDU-SLT-022	383832	6818120	0.14	8.5	0.6	<0.05	1.1	15.82	42.5	<0.02	<1	0.4	20.9	<10	<2	WH10000418	
RDU-SLT-023	383743	6818312	0.1	8.4	3.7	<0.05	1.6	12.72	40.7	<0.02	<1	0.4	21.5	<10	<2	WH10000418	
RDU-SLT-024	383416	6818860	0.12	7.7	3.3	<0.05	1.5	11.69	37.1	<0.02	<1	0.4	20.4	<10	<2	WH10000418	
RDU-SLT-025	383130	6818960	0.15	9.1	6.7	<0.05	1.8	10.84	35.1	<0.02	2	0.5	17.7	<10	<2	WH10000418	
RDU-SLT-026	393254	6820050	0.46	13.2	2.9	<0.05	0.6	10.46	42	<0.02	<1	0.5	19.8	<10	<2	WH10000418	
RDU-SLT-027	393061	6819960	0.56	20	9.2	<0.05	0.3	13.33	52.4	<0.02	<1	0.5	25.4	<10	<2	WH10000418	
RDU-SLT-028	392991	6820016	0.53	11.1	8.5	<0.05	1.4	9.25	40.7	<0.02	<1	0.7	17	<10	<2	WH10000418	
RDU-SLT-029	392892	6819998	0.5	12.1	7.7	<0.05	1.3	9.2	40.5	<0.02	1	0.5	18.1	<10	<2	WH10000418	
RDU-SLT-030	391605	6819739	0.48	9.1	4.4	<0.05	1.7	8.82	41	<0.02	<1	0.4	16.9	<10	<2	WH10000418	
RDU-SLT-031	391456	6819799	0.37	8.6	4.1	<0.05	1.2	8.98	39.3	<0.02	<1	0.5	17.8	<10	<2	WH10000418	
RDU-SLT-032	391412	6819895	0.42	8.3	4.3	<0.05	1.9	8.42	38.6	0.02	<1	0.4	17.3	<10	<2	WH10000418	
RDU-SLT-033	NS	NS															
RDU-SLT-034	388457	6821768	0.23	6.4	3.9	<0.05	2.2	8.49	47.7	0.02	<1	0.3	19.3	<10	<2	WH10000418	
RDU-SLT-035	388407	6821902	0.34	7.1	3.6	<0.05	2.5	9.53	49.2	<0.02	<1	0.4	18.9	<10	<2	WH10000418	

Radius Gold Inc. 2010 Rivier Project													
Soil Samples - Descriptive Statistics													
	<i>Mo</i>	<i>Cu</i>	<i>Pb</i>	<i>Zn</i>	<i>Ag</i>	<i>Ni</i>	<i>Co</i>	<i>Mn</i>	<i>Fe</i>	<i>As</i>	<i>U</i>	<i>Au</i>	<i>Th</i>
Mean	2.06	41.62	20.70	94.21	280.47	145.70	23.39	821.87	4.18	121.39	1.53	12.98	6.46
Standard Error	0.17	2.04	0.82	4.23	40.53	21.40	1.09	36.77	0.12	20.53	0.09	2.68	0.25
Median	1.5	32.42	17.28	85.9	111	48.2	19.5	678	3.84	23.1	1.1	2.5	5.9
Mode	1.25	16.8	15.82	65.1	54	40.8	19.6	283	3.97	9.1	0.8	1.5	4.7
Standard Deviation	2.70	33.36	13.44	69.14	662.28	349.63	17.74	600.86	1.89	335.53	1.47	43.81	4.07
Sample Variance	7.32	1113.05	180.66	4780.47	438616.14	122241.39	314.87	361027.51	3.58	112580.48	2.17	1919.56	16.58
Kurtosis	60.06	10.77	6.25	71.85	77.18	26.63	8.92	4.71	3.28	49.16	33.00	60.14	0.42
Skewness	6.85	2.54	2.05	7.19	7.73	4.86	2.39	1.90	1.52	6.33	4.71	7.20	0.81
Range	31.17	270.4	92.92	870.9	8028	2759.4	124.7	3800	11.71	3389.3	15	426.8	20.4
Minimum	0.06	3.64	1.35	15	14	3.6	1.6	96	1.02	1.2	0.1	0.2	0.1
Maximum	31.23	274.04	94.27	885.9	8042	2763	126.3	3896	12.73	3390.5	15.1	427	20.5
Sum	548.83	11112.94	5527.55	25154.8	74885	38900.9	6244.8	219440	1115.69	32410.8	408.7	3466	1724.2
Count	267	267	267	267	267	267	267	267	267	267	267	267	267
Largest(1)	31.23	274.04	94.27	885.9	8042	2763	126.3	3896	12.73	3390.5	15.1	427	20.5
Smallest(1)	0.06	3.64	1.35	15	14	3.6	1.6	96	1.02	1.2	0.1	0.2	0.1
Confidence Level(95.0%)	0.33	4.02	1.62	8.33	79.80	42.13	2.14	72.40	0.23	40.43	0.18	5.28	0.49

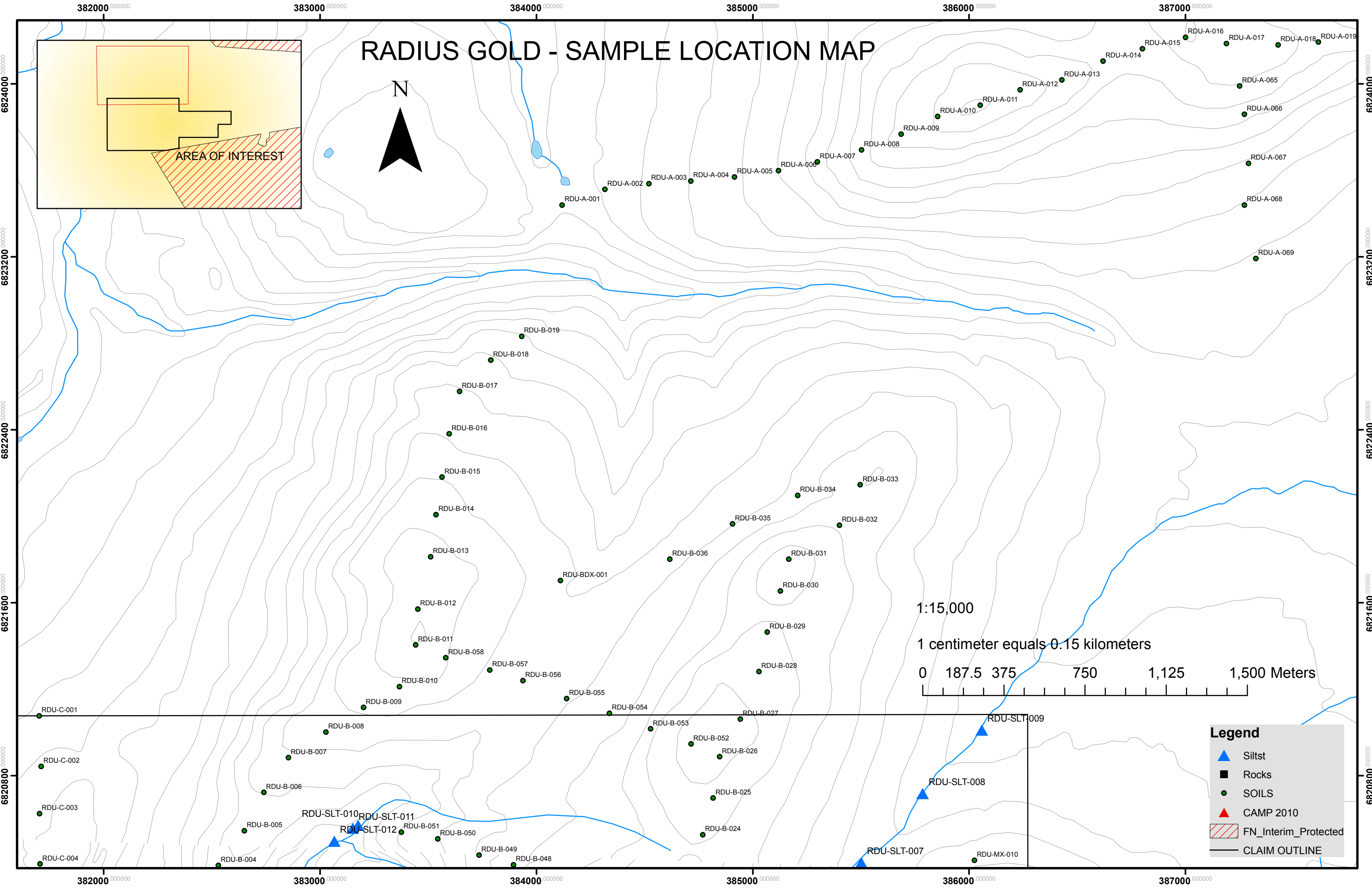
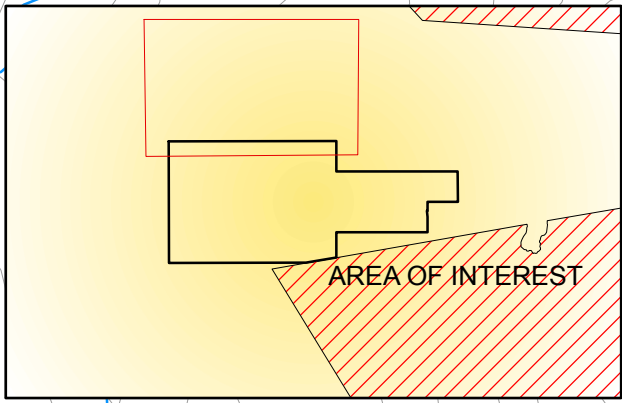
Radius Gold Inc. 2010 R																
Soil Samples - Descriptiv																
	<i>Sr</i>	<i>Cd</i>	<i>Sb</i>	<i>Bi</i>	<i>V</i>	<i>Ca</i>	<i>P</i>	<i>La</i>	<i>Cr</i>	<i>Mg</i>	<i>Ba</i>	<i>Ti</i>	<i>B</i>	<i>Al</i>	<i>Na</i>	<i>K</i>
Mean	27.28	0.43	3.66	0.90	47.00	0.44	0.10	29.44	108.44	1.27	158.21	0.02	2.84	1.55	0.01	0.12
Standard Error	2.52	0.08	0.75	0.15	1.99	0.04	0.01	1.10	14.84	0.14	8.66	0.00	0.56	0.05	0.00	0.01
Median	16.4	0.23	0.5	0.31	39	0.25	0.083	26.3	45.2	0.76	125.8	0.011	1	1.46	0.005	0.08
Mode	9.3	0.23	0.47	0.3	37	0.19	0.084	35.2	40.1	0.43	85.1	0.002	1	2.08	0.004	0.05
Standard Deviation	41.12	1.28	12.18	2.44	32.45	0.65	0.12	17.90	242.43	2.28	141.45	0.04	9.15	0.78	0.01	0.20
Sample Variance	1690.65	1.64	148.30	5.96	1053.26	0.42	0.01	320.27	58771.21	5.18	20009.17	0.00	83.76	0.61	0.00	0.04
Kurtosis	40.41	112.80	57.82	81.21	10.94	45.57	140.14	9.61	57.01	39.45	28.84	21.89	56.55	3.43	86.54	78.13
Skewness	5.69	10.21	7.06	8.13	2.71	5.58	10.48	2.23	6.65	5.86	4.59	4.14	7.36	1.24	8.17	8.21
Range	404.2	16.01	124.02	29.1	256	7.07	1.775	148.8	2689	20.17	1273.6	0.315	86	5.66	0.15	2.22
Minimum	3.1	0.01	0.04	0.02	4	0.03	0.002	0.5	4.5	0.04	11.9	0.001	1	0.22	0.002	0.01
Maximum	407.3	16.02	124.06	29.12	260	7.1	1.777	149.3	2693.5	20.21	1285.5	0.316	87	5.88	0.152	2.23
Sum	7283.5	114.85	977.55	239.69	12548	118.54	27.924	7860.7	28953.1	339.24	42242.8	6.344	759	414	2.003	30.9
Count	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267
Largest(1)	407.3	16.02	124.06	29.12	260	7.1	1.777	149.3	2693.5	20.21	1285.5	0.316	87	5.88	0.152	2.23
Smallest(1)	3.1	0.01	0.04	0.02	4	0.03	0.002	0.5	4.5	0.04	11.9	0.001	1	0.22	0.002	0.01
Confidence Level(95.0%)	4.95	0.15	1.47	0.29	3.91	0.08	0.01	2.16	29.21	0.27	17.04	0.00	1.10	0.09	0.00	0.02

Radius Gold Inc. 2010 R																	
Soil Samples - Descriptiv																	
	<i>W</i>	<i>Sc</i>	<i>Tl</i>	<i>S</i>	<i>Hg</i>	<i>Se</i>	<i>Te</i>	<i>Ga</i>	<i>Cs</i>	<i>Ge</i>	<i>Hf</i>	<i>Nb</i>	<i>Rb</i>	<i>Sn</i>	<i>Ta</i>	<i>Zr</i>	<i>Y</i>
Mean	1.05	4.64	0.14	0.03	30.95	0.55	0.04	4.93	4.24	0.11	0.04	0.43	14.13	1.10	0.05	1.75	11.17
Standard Error	0.19	0.23	0.01	0.00	1.76	0.06	0.00	0.16	0.32	0.00	0.00	0.02	1.00	0.06	0.00	0.11	0.42
Median	0.3	3.6	0.1	0.02	22	0.4	0.03	4.8	2.55	0.1	0.02	0.31	9.6	0.9	0.05	1.2	9.78
Mode	0.1	3.1	0.09	0.02	18	0.4	0.02	5.3	1.45	0.1	0.02	0.27	11.1	0.6	0.05	0.8	8.28
Standard Deviation	3.06	3.73	0.15	0.02	28.75	0.91	0.03	2.69	5.31	0.02	0.03	0.39	16.26	0.99	0.00	1.74	6.89
Sample Variance	9.34	13.88	0.02	0.00	826.73	0.82	0.00	7.23	28.19	0.00	0.00	0.15	264.53	0.98	0.00	3.02	47.49
Kurtosis	45.89	9.59	49.04	38.21	9.50	145.61	33.93	4.04	38.94	25.06	4.69	4.80	40.91	61.50	-2.02	6.66	5.83
Skewness	6.18	2.63	5.86	4.99	2.68	11.00	4.97	1.39	5.04	4.84	2.10	2.00	5.43	6.18	-1.01	2.30	1.87
Range	30.5	25.7	1.57	0.24	209	13.1	0.31	18.3	56.33	0.2	0.17	2.2	170.3	12	0	10.3	51.1
Minimum	0.1	0.3	0.02	0.02	5	0.1	0.02	0.7	0.31	0.1	0.02	0.02	0.5	0.3	0.05	0.1	0.42
Maximum	30.6	26	1.59	0.26	214	13.2	0.33	19	56.64	0.3	0.19	2.22	170.8	12.3	0.05	10.4	51.52
Sum	281.6	1240.1	36.26	8.15	8263	146.6	10.35	1315.1	1132.89	28.1	10.34	114.91	3772.3	293.7	13.35	467.2	2983.58
Count	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267
Largest(1)	30.6	26	1.59	0.26	214	13.2	0.33	19	56.64	0.3	0.19	2.22	170.8	12.3	0.05	10.4	51.52
Smallest(1)	0.1	0.3	0.02	0.02	5	0.1	0.02	0.7	0.31	0.1	0.02	0.02	0.5	0.3	0.05	0.1	0.42
Confidence Level(95.0%)	0.37	0.45	0.02	0.00	3.46	0.11	0.00	0.32	0.64	0.00	0.00	0.05	1.96	0.12	0.00	0.21	0.83

Radius Gold Inc. 2010 R							
Soil Samples - Descriptiv							
	<i>Ce</i>	<i>In</i>	<i>Re</i>	<i>Be</i>	<i>Li</i>	<i>Pd</i>	<i>Pt</i>
Mean	60.37	0.03	1.02	0.67	22.93	12.17	2.54
Standard Error	2.26	0.00	0.01	0.03	0.90	1.68	0.18
Median	54.6	0.03	1	0.5	20.3	10	2
Mode	65.3	0.02	1	0.4	14.6	10	2
Standard Deviation	36.91	0.02	0.15	0.55	14.64	27.45	2.91
Sample Variance	1362.48	0.00	0.02	0.30	214.37	753.55	8.47
Kurtosis	15.53	14.04	40.30	9.02	1.32	243.96	130.41
Skewness	2.75	3.03	6.48	2.67	1.20	15.39	10.38
Range	347.7	0.16	1	3.9	73.4	439	40
Minimum	0.7	0.02	1	0.1	0.9	10	2
Maximum	348.4	0.18	2	4	74.3	449	42
Sum	16119.8	8.9	273	178	6121.7	3249	678
Count	267	267	267	267	267	267	267
Largest(1)	348.4	0.18	2	4	74.3	449	42
Smallest(1)	0.7	0.02	1	0.1	0.9	10	2
Confidence Level(95.0%)	4.45	0.00	0.02	0.07	1.76	3.31	0.35

RADIUS GOLD - SAMPLE LOCATION MAP

N



1:15,000

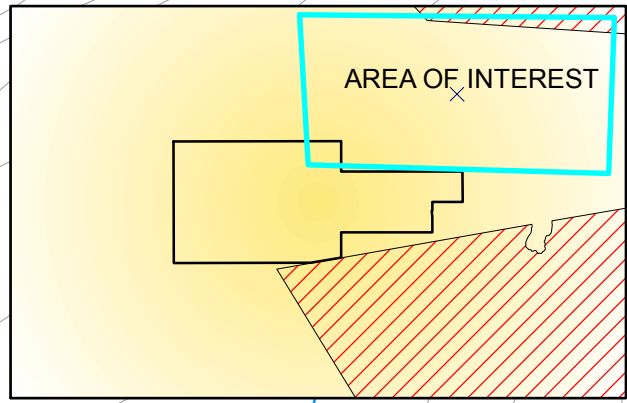
1 centimeter equals 0.15 kilometers



Legend

- Siltst
- Rocks
- SOILS
- CAMP 2010
- FN_Interim_Protected
- CLAIM OUTLINE

RADIUS GOLD - SAMPLE LOCATION MAP

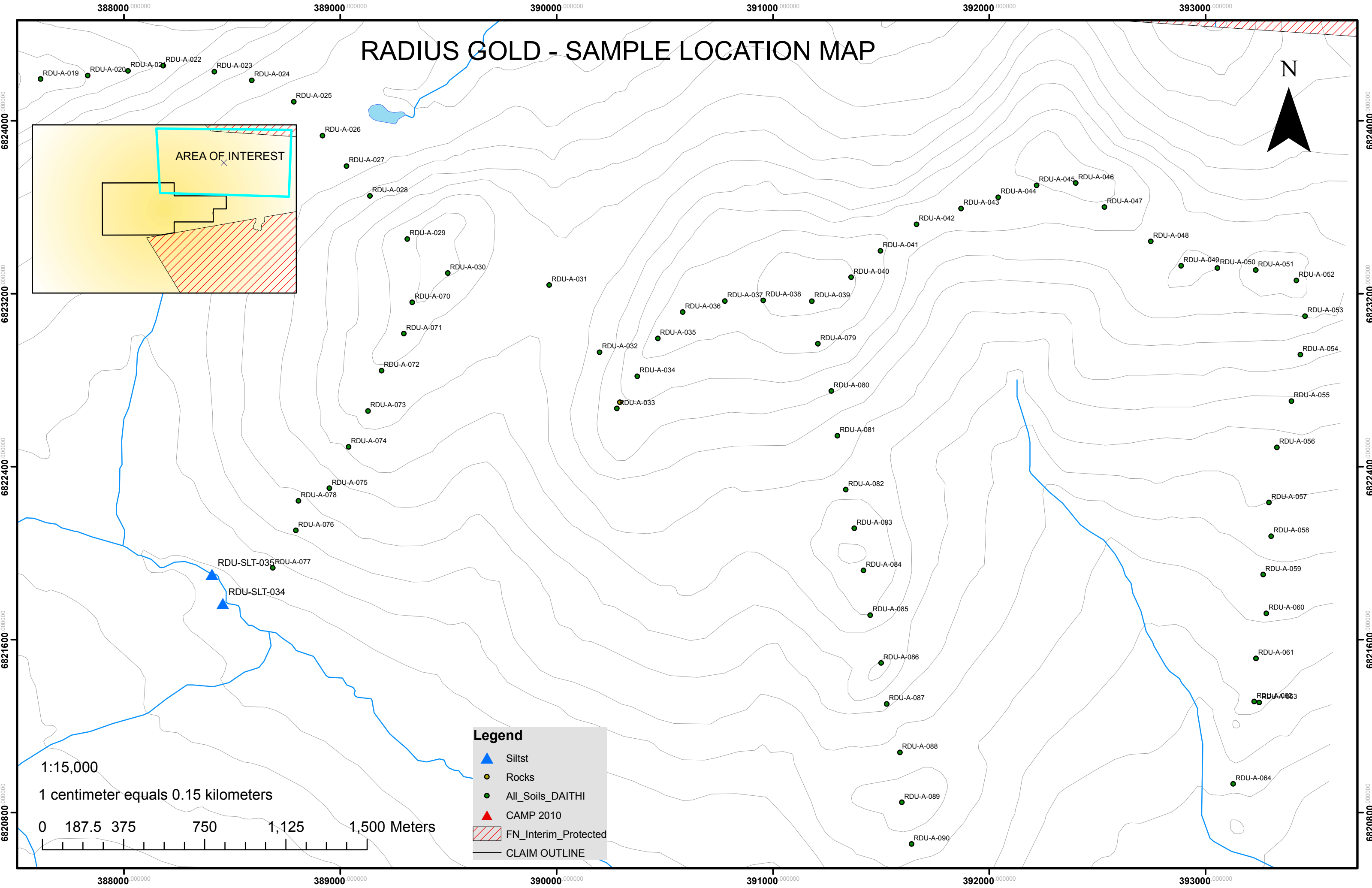


Legend

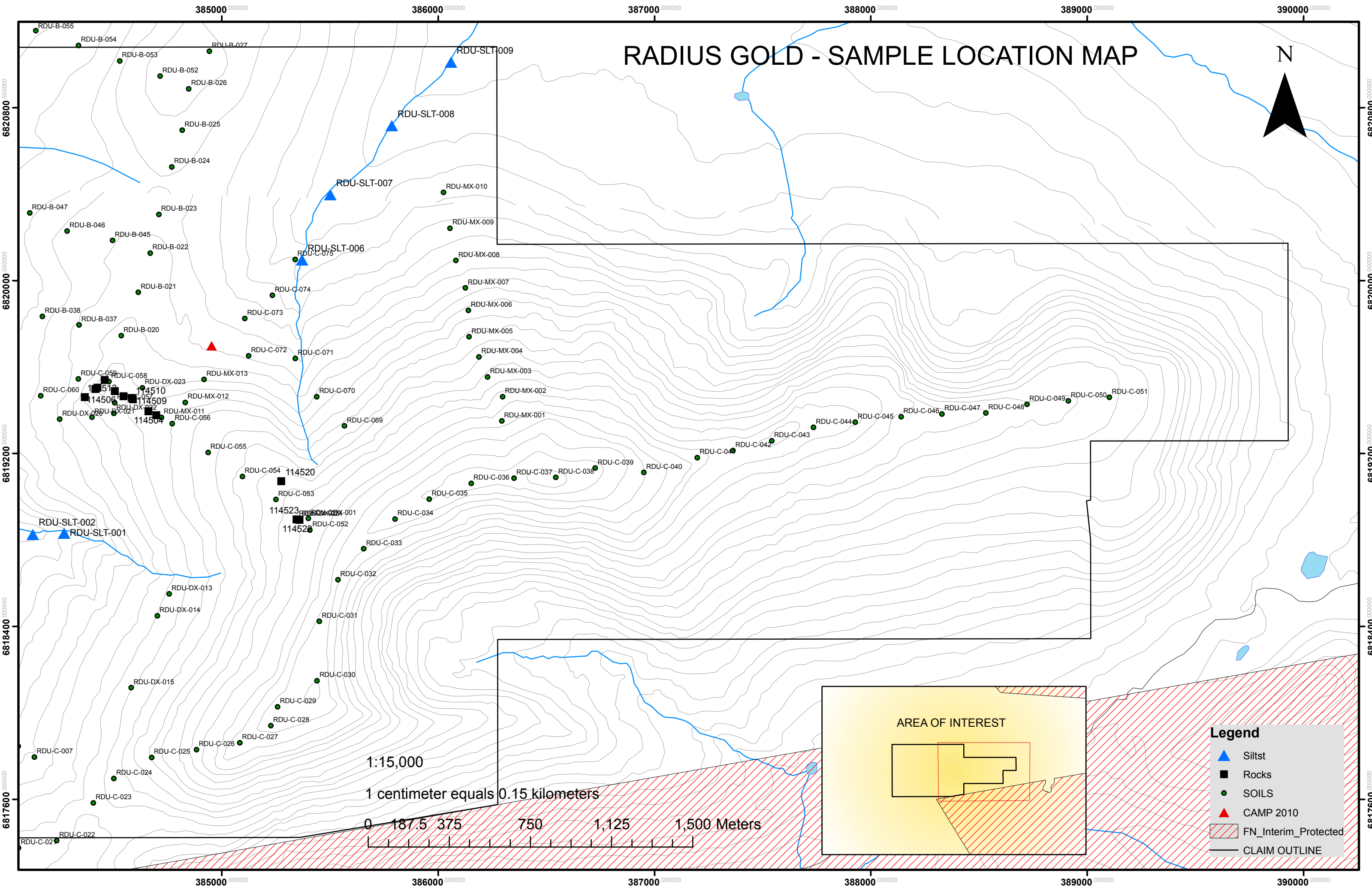
- Siltst
- Rocks
- All_Soils_DAITHI
- CAMP 2010
- FN_Interim_Protected
- CLAIM OUTLINE

1:15,000
1 centimeter equals 0.15 kilometers

0 187.5 375 750 1,125 1,500 Meters



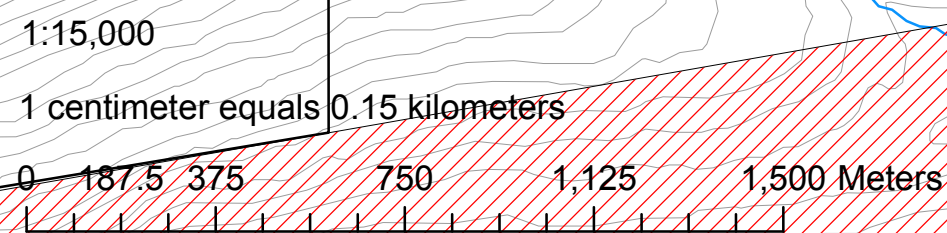
RADIUS GOLD - SAMPLE LOCATION MAP

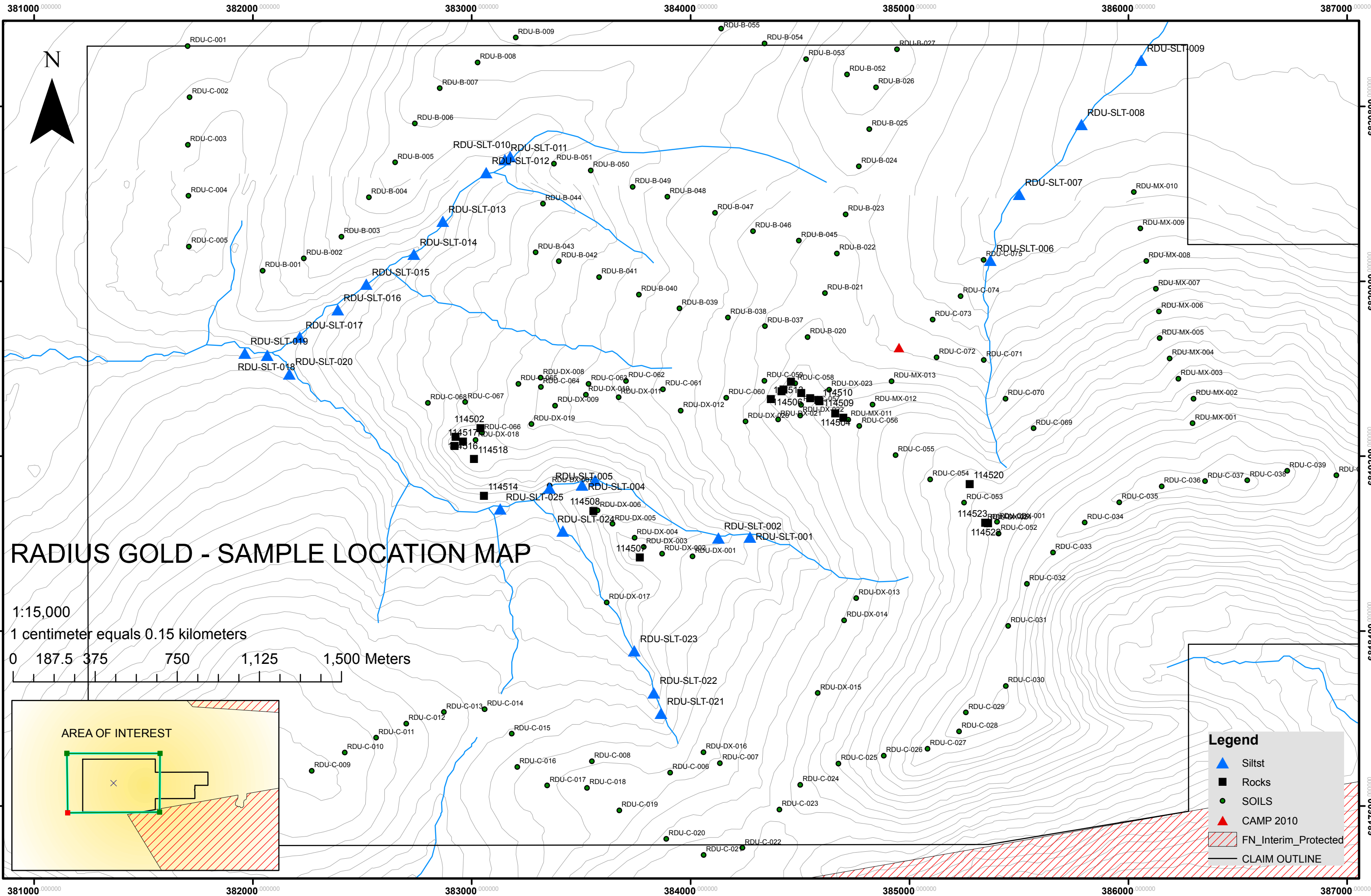


Legend

- Siltst
- Rocks
- SOILS
- CAMP 2010
- FN_Interim_Protected
- CLAIM OUTLINE

AREA OF INTEREST



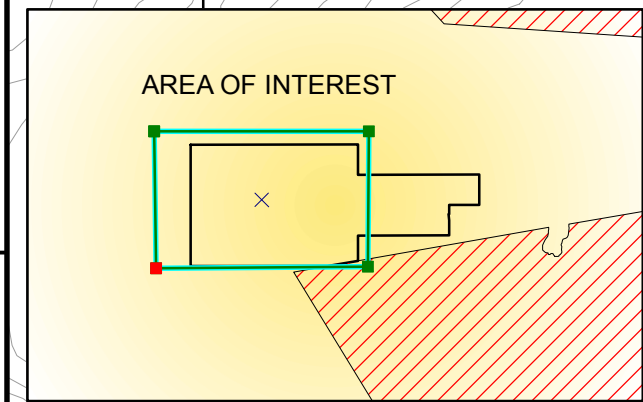


RADIUS GOLD - SAMPLE LOCATION MAP

1:15,000
 1 centimeter equals 0.15 kilometers

0 187.5 375 750 1,125 1,500 Meters

- Legend**
- ▲ Siltst
 - Rocks
 - SOILS
 - ▲ CAMP 2010
 - FN_Interim_Protected
 - CLAIM OUTLINE



APPENDIX B

2010 Certificates of Analysis



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Radius Gold Inc.
830 - 355 Burrard St.
Vancouver BC V6C 2G8 Canada

Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: September 07, 2010
Report Date: October 01, 2010
Page: 1 of 10

CERTIFICATE OF ANALYSIS

WHI10000417.1

CLIENT JOB INFORMATION

Project: Rivier
Shipment ID: 2010-XX
P.O. Number: NA-10337
Number of Samples: 267

SAMPLE DISPOSAL

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

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

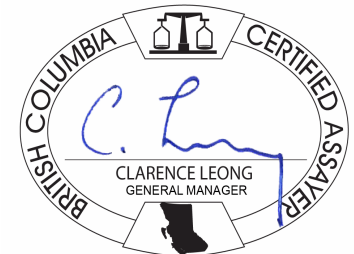
Invoice To: Radius Gold Inc.
830 - 355 Burrard St.
Vancouver BC V6C 2G8
Canada

CC: database backup
Simon Ridgway
Scott Turton

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, 1F05, and RJSV.

ADDITIONAL COMMENTS



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



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

www.acmelab.com

Client: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 2 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				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
RDU-A-001	Soil			1.50	19.48	17.40	65.1	68	59.7	17.1	523	4.21	20.8	0.8	5.6	5.7	16.9	0.20	0.96	0.49	44	0.19	0.059
RDU-A-002	Soil			1.25	23.85	19.57	89.5	17	40.8	22.2	842	5.40	16.8	1.1	2.8	7.7	24.8	0.22	0.30	0.44	40	0.26	0.082
RDU-A-003	Soil			1.57	32.75	22.23	140.9	106	43.4	17.1	933	4.55	22.7	1.5	2.4	4.7	99.2	0.95	0.28	0.37	40	1.37	0.086
RDU-A-004	Soil			0.87	36.28	19.23	110.2	122	58.9	25.3	644	4.78	28.3	1.8	1.5	6.7	107.4	0.30	0.30	0.48	51	1.01	0.082
RDU-A-005	Soil			0.74	55.32	9.41	90.7	82	62.7	21.3	598	4.12	11.6	0.9	3.9	7.2	81.2	0.25	0.28	0.45	47	0.78	0.073
RDU-A-006	Soil			0.71	48.13	15.73	68.2	117	67.4	34.4	1155	5.81	9.1	2.2	1.0	12.7	51.9	0.16	0.20	0.53	76	0.69	0.072
RDU-A-007	Soil			0.58	16.80	14.51	67.1	111	41.2	14.4	809	4.18	12.5	1.3	1.5	7.6	117.0	0.14	0.22	0.49	54	0.78	0.039
RDU-A-008	Soil			0.61	24.69	12.20	67.7	100	55.5	18.8	699	3.59	10.1	1.2	0.8	6.2	407.3	0.23	0.27	0.50	42	2.11	0.042
RDU-A-009	Soil			1.40	15.61	13.89	66.1	85	27.4	9.4	352	2.47	18.5	1.7	2.2	2.7	11.6	0.19	0.49	0.94	37	0.19	0.081
RDU-A-010	Soil			1.17	15.02	12.49	40.6	346	15.9	4.5	141	1.80	8.3	15.1	2.0	0.4	7.8	0.29	0.47	0.88	21	0.09	0.113
RDU-A-011	Soil			1.67	10.48	16.58	51.5	29	15.8	5.7	234	2.25	9.6	1.9	4.7	2.6	6.1	0.15	0.51	0.82	29	0.08	0.044
RDU-A-012	Soil			1.33	11.65	10.70	48.5	77	17.3	5.3	184	2.19	11.0	1.7	1.5	0.9	10.3	0.22	0.49	0.62	34	0.12	0.072
RDU-A-013	Soil			1.34	8.54	26.59	24.5	28	3.6	1.6	109	1.02	8.1	2.4	1.6	13.1	6.4	0.05	0.11	0.88	4	0.18	0.075
RDU-A-014	Soil			2.29	11.43	13.36	51.2	59	17.8	5.2	172	2.27	12.0	1.2	1.3	1.7	6.2	0.16	0.78	1.17	53	0.08	0.058
RDU-A-015	Soil			2.03	9.52	14.18	53.2	90	19.5	7.3	321	2.70	23.3	1.6	1.4	3.4	8.6	0.18	0.46	1.00	43	0.15	0.060
RDU-A-016	Soil			1.27	8.90	19.07	57.2	24	14.3	5.8	280	2.04	13.9	3.8	3.7	6.1	9.3	0.18	0.43	1.29	26	0.17	0.075
RDU-A-017	Soil			0.85	3.64	41.34	64.5	34	5.1	4.8	539	2.86	3.8	3.2	1.9	15.7	6.9	0.10	0.14	1.07	10	0.18	0.084
RDU-A-018	Soil			2.05	9.95	17.63	51.8	65	16.8	7.1	294	2.44	21.3	2.8	3.6	4.3	7.7	0.15	0.46	2.07	34	0.08	0.044
RDU-A-019	Soil			1.71	13.30	13.88	61.6	91	21.4	5.3	271	2.00	7.9	2.7	6.4	5.1	12.9	0.17	0.70	1.18	36	0.21	0.080
RDU-A-020	Soil			1.89	4.73	27.16	87.3	85	9.5	5.5	495	3.11	13.5	3.4	3.5	9.8	6.1	0.24	0.41	1.23	19	0.13	0.070
RDU-A-021	Soil			1.66	8.33	11.28	60.6	62	12.0	3.4	283	1.58	8.7	1.2	1.5	1.3	7.5	0.15	0.61	1.32	37	0.09	0.052
RDU-A-022	Soil			1.28	9.65	14.84	55.6	37	16.7	5.5	283	2.26	10.4	2.0	1.3	4.8	9.0	0.17	0.55	0.67	37	0.15	0.074
RDU-A-023	Soil			1.22	10.02	17.02	66.3	60	19.8	11.2	502	3.52	41.0	1.0	1.7	4.6	12.9	0.41	0.28	0.55	49	0.19	0.100
RDU-A-024	Soil			1.68	30.84	13.17	68.9	700	29.2	6.9	319	2.52	12.8	1.3	2.3	1.0	16.4	0.21	0.90	0.27	43	0.22	0.098
RDU-A-025	Soil			2.37	23.42	23.56	95.1	433	32.9	12.2	1054	3.62	29.9	9.6	19.9	1.1	20.0	0.34	0.77	0.98	42	0.29	0.143
RDU-A-026	Soil			1.51	28.49	10.05	93.9	264	34.4	8.6	443	1.93	11.2	0.8	1.9	4.4	26.2	0.73	1.19	0.15	34	0.34	0.123
RDU-A-027	Soil			1.01	14.94	14.53	61.0	55	25.2	8.2	398	2.19	7.6	2.1	1.5	8.2	19.2	0.21	0.47	1.35	34	0.30	0.090
RDU-A-028	Soil			1.25	8.08	26.32	68.1	103	12.3	5.5	521	2.10	4.5	5.6	1.3	15.4	25.8	0.14	0.26	3.72	24	0.45	0.104
RDU-A-029	Soil			2.46	14.97	25.26	70.2	54	17.0	7.6	405	2.59	7.7	2.8	1.4	6.2	12.3	0.12	0.32	4.69	34	0.14	0.042
RDU-A-030	Soil			1.92	11.37	24.38	62.8	56	14.3	6.6	440	2.17	5.9	2.2	1.4	9.0	10.8	0.10	0.31	4.72	32	0.21	0.085

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 2 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		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	0.01	0.02	0.02	5	0.1	0.02	0.1	0.02	0.02	
RDU-A-001	Soil	17.1	74.3	0.64	85.1	0.008	<1	1.48	0.005	0.10	0.4	3.1	0.07	<0.02	19	0.4	0.06	4.9	2.48	<0.1	<0.02
RDU-A-002	Soil	28.5	40.1	0.71	86.6	0.011	<1	1.51	0.007	0.06	0.2	4.8	0.08	<0.02	8	0.4	0.03	5.3	4.34	0.1	<0.02
RDU-A-003	Soil	21.9	47.1	0.76	86.0	0.024	<1	1.66	0.025	0.13	0.1	4.6	0.11	0.07	21	0.7	0.05	5.3	3.04	0.1	<0.02
RDU-A-004	Soil	31.9	59.0	1.25	76.3	0.084	<1	2.65	0.056	0.21	0.3	6.1	0.15	0.03	16	0.6	0.04	8.5	7.67	0.1	<0.02
RDU-A-005	Soil	24.5	60.9	1.13	114.4	0.071	1	2.80	0.066	0.35	0.5	5.9	0.33	<0.02	11	0.3	0.05	8.7	7.50	0.1	0.08
RDU-A-006	Soil	51.8	81.2	1.29	93.4	0.147	<1	2.69	0.052	0.29	0.2	7.4	0.27	<0.02	11	0.6	0.06	10.5	5.82	0.2	<0.02
RDU-A-007	Soil	28.7	65.6	1.16	84.0	0.102	<1	2.78	0.046	0.22	0.4	5.6	0.21	<0.02	22	0.4	0.04	9.3	6.61	0.2	<0.02
RDU-A-008	Soil	22.8	63.5	0.97	83.7	0.079	<1	3.18	0.152	0.26	0.7	4.0	0.26	0.06	13	0.3	0.03	10.2	6.23	0.1	<0.02
RDU-A-009	Soil	19.2	31.2	0.56	85.1	0.023	<1	1.38	0.007	0.10	3.4	1.9	0.17	<0.02	26	0.4	0.03	5.5	5.11	<0.1	<0.02
RDU-A-010	Soil	34.0	19.9	0.24	61.9	0.005	<1	1.20	0.007	0.06	0.9	0.5	0.13	0.09	54	0.8	0.03	4.0	2.64	<0.1	<0.02
RDU-A-011	Soil	16.3	20.6	0.28	47.7	0.014	<1	1.17	0.005	0.09	0.6	1.3	0.15	<0.02	30	0.4	<0.02	4.7	3.11	<0.1	<0.02
RDU-A-012	Soil	16.6	22.5	0.28	64.6	0.008	<1	1.21	0.005	0.08	0.6	0.9	0.14	0.03	32	0.4	<0.02	4.8	3.46	<0.1	<0.02
RDU-A-013	Soil	13.0	5.6	0.04	48.3	<0.001	<1	0.56	0.002	0.09	0.8	0.4	0.24	<0.02	9	0.1	<0.02	1.4	6.23	<0.1	<0.02
RDU-A-014	Soil	16.4	28.4	0.41	60.8	0.025	1	1.28	0.005	0.09	1.5	1.5	0.26	0.03	20	0.4	0.04	6.2	3.80	<0.1	<0.02
RDU-A-015	Soil	13.3	29.7	0.53	43.9	0.038	<1	1.19	0.006	0.08	1.7	2.0	0.14	<0.02	6	0.2	<0.02	6.1	2.99	<0.1	<0.02
RDU-A-016	Soil	21.2	16.9	0.29	69.8	0.011	<1	1.22	0.005	0.08	5.1	1.6	0.20	<0.02	11	0.4	0.02	3.8	4.08	<0.1	<0.02
RDU-A-017	Soil	22.0	6.7	0.29	56.6	0.002	<1	2.05	0.005	0.09	0.4	1.6	0.21	<0.02	10	0.4	<0.02	7.8	6.38	<0.1	0.07
RDU-A-018	Soil	18.9	21.6	0.43	65.6	0.016	<1	1.41	0.005	0.08	1.0	1.8	0.22	<0.02	26	0.3	0.04	4.8	3.69	<0.1	<0.02
RDU-A-019	Soil	22.2	24.5	0.43	86.0	0.033	<1	1.26	0.007	0.08	0.5	2.0	0.12	<0.02	28	0.4	0.02	3.8	2.29	<0.1	<0.02
RDU-A-020	Soil	20.4	12.5	0.20	66.9	0.003	<1	1.48	0.004	0.05	0.5	1.6	0.22	<0.02	18	0.3	<0.02	3.8	8.03	<0.1	0.03
RDU-A-021	Soil	15.3	16.3	0.15	78.0	0.025	<1	0.64	0.007	0.09	0.8	0.9	0.12	0.04	46	0.3	0.04	5.3	6.75	<0.1	<0.02
RDU-A-022	Soil	17.7	22.2	0.42	67.1	0.029	<1	1.30	0.006	0.08	1.2	2.1	0.20	<0.02	14	0.3	<0.02	5.5	5.82	<0.1	<0.02
RDU-A-023	Soil	13.4	32.1	0.65	46.7	0.072	<1	1.44	0.006	0.14	0.8	2.6	0.11	<0.02	18	0.2	0.02	6.0	3.91	<0.1	<0.02
RDU-A-024	Soil	29.3	38.2	0.43	683.0	0.006	<1	1.48	0.007	0.07	0.3	2.1	0.15	0.03	126	0.5	0.03	4.8	1.47	<0.1	<0.02
RDU-A-025	Soil	19.7	38.5	0.54	205.3	0.010	<1	1.83	0.007	0.10	2.5	1.7	0.21	0.05	59	0.7	0.04	5.4	3.28	<0.1	<0.02
RDU-A-026	Soil	18.4	23.7	0.44	325.1	0.017	2	0.86	0.007	0.08	0.2	2.5	0.12	<0.02	109	0.5	0.04	2.5	0.86	<0.1	0.04
RDU-A-027	Soil	30.0	28.5	0.51	132.8	0.043	<1	1.26	0.008	0.08	3.2	2.8	0.14	<0.02	14	0.2	0.03	4.4	3.03	<0.1	0.04
RDU-A-028	Soil	41.3	15.7	0.35	98.3	0.014	<1	1.01	0.009	0.15	7.5	3.5	0.20	<0.02	14	0.3	<0.02	4.3	8.24	<0.1	0.06
RDU-A-029	Soil	21.7	24.8	0.52	77.7	0.024	<1	1.86	0.008	0.18	9.4	2.9	0.28	<0.02	19	0.2	0.05	7.0	8.64	<0.1	<0.02
RDU-A-030	Soil	25.3	19.5	0.50	59.3	0.030	<1	1.46	0.007	0.13	9.2	2.9	0.18	<0.02	8	0.3	0.03	6.2	6.04	<0.1	0.03

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 2 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	Unit	MDL	1F15 Nb	1F15 Rb	1F15 Sn	1F15 Ta	1F15 Zr	1F15 Y	1F15 Ce	1F15 In	1F15 Re	1F15 Be	1F15 Li	1F15 Pd	1F15 Pt
		ppm		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02		0.1	0.1	0.05	0.1	0.01	0.1	0.1	0.02	1	0.1	0.1	10	2
RDU-A-001	Soil	0.56		11.9	0.9	<0.05	0.5	4.97	41.7	0.04	<1	0.6	25.9	<10	<2	
RDU-A-002	Soil	0.50		9.7	1.2	<0.05	0.7	8.11	68.6	0.04	<1	0.7	22.3	<10	<2	
RDU-A-003	Soil	1.10		18.4	1.0	<0.05	0.8	11.90	54.1	0.04	<1	0.6	29.0	<10	<2	
RDU-A-004	Soil	2.02		32.2	1.6	<0.05	0.8	18.65	65.3	0.04	<1	0.8	59.9	<10	<2	
RDU-A-005	Soil	0.39		41.2	1.4	<0.05	2.9	12.21	49.3	0.03	<1	0.8	51.4	<10	<2	
RDU-A-006	Soil	2.18		37.3	1.8	<0.05	1.2	17.45	101.6	0.05	<1	0.6	44.4	<10	<2	
RDU-A-007	Soil	2.22		32.7	1.1	<0.05	0.8	11.36	68.3	0.03	<1	1.1	59.1	<10	<2	
RDU-A-008	Soil	1.95		35.7	1.2	<0.05	0.7	10.01	49.0	0.03	<1	0.9	55.1	<10	<2	
RDU-A-009	Soil	0.86		20.1	1.3	<0.05	0.3	6.94	43.7	0.03	<1	0.8	36.2	<10	<2	
RDU-A-010	Soil	0.75		13.4	0.9	<0.05	<0.1	24.49	72.5	0.03	<1	1.2	16.7	<10	<2	
RDU-A-011	Soil	0.73		19.7	1.1	<0.05	0.1	6.89	36.1	0.03	<1	0.7	24.0	<10	<2	
RDU-A-012	Soil	0.58		14.8	1.1	<0.05	<0.1	5.95	36.0	<0.02	<1	0.6	23.1	<10	<2	
RDU-A-013	Soil	0.20		24.5	1.5	<0.05	0.2	12.12	52.6	<0.02	<1	1.0	2.2	<10	<2	
RDU-A-014	Soil	0.88		17.3	2.2	<0.05	0.3	4.01	35.2	<0.02	<1	0.4	19.8	<10	<2	
RDU-A-015	Soil	0.92		15.5	2.1	<0.05	0.5	5.56	29.6	<0.02	<1	0.5	18.6	<10	<2	
RDU-A-016	Soil	0.73		20.4	1.1	<0.05	0.2	11.42	45.6	0.02	<1	1.1	23.8	<10	<2	
RDU-A-017	Soil	0.57		24.6	2.9	<0.05	5.7	13.51	54.6	0.02	<1	3.3	49.6	<10	<2	
RDU-A-018	Soil	0.77		19.1	1.2	<0.05	0.3	7.11	40.5	0.02	<1	0.8	23.8	<10	<2	
RDU-A-019	Soil	0.80		12.1	0.8	<0.05	1.1	7.67	45.0	<0.02	<1	0.9	22.6	<10	<2	
RDU-A-020	Soil	0.77		13.6	1.3	<0.05	2.0	10.04	54.6	0.03	<1	2.4	20.9	<10	<2	
RDU-A-021	Soil	0.96		41.1	3.4	<0.05	0.5	3.08	33.0	<0.02	<1	0.6	7.3	<10	<2	
RDU-A-022	Soil	1.43		18.7	1.6	<0.05	0.9	5.91	39.3	<0.02	<1	0.9	31.4	<10	<2	
RDU-A-023	Soil	0.99		29.7	1.0	<0.05	1.3	5.16	31.4	0.02	<1	0.7	20.9	<10	<2	
RDU-A-024	Soil	0.49		12.9	1.0	<0.05	0.4	15.22	47.4	0.03	<1	0.6	14.4	<10	<2	
RDU-A-025	Soil	0.49		18.0	1.4	<0.05	0.3	9.88	52.9	0.03	<1	1.1	31.2	<10	<2	
RDU-A-026	Soil	0.28		6.5	0.5	<0.05	2.8	10.89	39.3	<0.02	<1	0.3	12.3	<10	<2	
RDU-A-027	Soil	0.59		13.7	1.0	<0.05	3.1	10.27	65.5	<0.02	<1	1.1	22.3	<10	<2	
RDU-A-028	Soil	0.95		25.5	2.3	<0.05	5.4	18.89	86.1	0.03	<1	2.8	25.4	<10	<2	
RDU-A-029	Soil	1.87		34.9	3.5	<0.05	0.8	7.74	47.1	0.05	<1	2.1	46.0	<10	<2	
RDU-A-030	Soil	1.31		22.7	2.8	<0.05	1.5	10.35	59.2	0.04	<1	1.7	41.5	<10	<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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 3 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				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
RDU-A-031	Soil			2.15	24.87	32.17	59.6	42	11.3	4.0	173	1.88	6.3	5.5	2.1	15.5	18.5	0.12	0.21	4.83	30	0.25	0.085
RDU-A-032	Soil			13.61	30.59	25.52	61.8	83	14.4	5.5	319	2.34	10.2	5.0	0.5	14.4	28.2	0.04	0.13	4.20	14	0.34	0.057
RDU-A-033	Soil			8.57	36.72	17.94	71.0	122	4.2	2.0	96	1.68	11.5	2.9	2.7	6.4	14.5	0.17	0.36	6.59	25	0.03	0.021
RDU-A-034	Soil			5.10	36.84	19.74	92.0	87	43.8	23.4	832	5.10	19.3	1.8	3.0	6.8	8.3	0.10	0.34	3.33	41	0.05	0.053
RDU-A-035	Soil			6.53	55.11	12.35	78.4	47	46.8	21.5	664	5.05	11.6	1.3	1.2	4.8	7.8	0.12	0.41	4.30	56	0.04	0.051
RDU-A-036	Soil			0.57	122.1	10.31	94.6	62	51.8	26.1	811	5.63	6.3	1.2	2.3	9.6	7.7	0.08	0.20	2.39	32	0.10	0.076
RDU-A-037	Soil			1.36	42.70	2.43	89.1	55	63.2	29.1	431	4.87	6.8	3.3	3.8	11.0	8.7	0.03	0.07	0.44	11	0.06	0.054
RDU-A-038	Soil			1.47	51.53	8.73	80.3	84	38.7	20.6	376	3.88	32.5	1.5	5.8	9.8	12.5	0.11	0.49	0.70	32	0.08	0.056
RDU-A-039	Soil			12.76	126.5	77.56	223.2	563	212.2	110.0	2415	5.69	132.1	3.2	3.0	7.5	48.1	4.44	0.40	1.22	69	0.85	0.411
RDU-A-040	Soil			2.92	39.86	11.96	106.5	131	38.3	27.3	1574	5.98	28.1	0.8	1.7	6.9	56.5	0.17	0.34	0.48	91	0.69	0.185
RDU-A-041	Soil			2.40	55.84	12.77	100.6	163	48.0	38.5	744	6.65	45.4	0.4	3.7	3.5	58.4	0.25	0.44	0.41	105	1.19	0.234
RDU-A-042	Soil			2.15	58.27	11.90	108.1	125	79.5	44.7	2356	9.94	22.8	0.4	1.8	4.6	33.8	0.14	0.42	0.18	119	0.83	0.210
RDU-A-043	Soil			1.38	99.97	13.47	97.7	190	212.3	65.2	1739	9.42	93.1	0.3	3.4	3.5	50.3	0.16	0.86	0.14	115	1.84	0.216
RDU-A-044	Soil			1.54	100.4	8.63	90.0	193	172.4	57.4	1715	8.97	110.8	0.4	5.5	3.6	36.4	0.12	1.04	0.15	84	2.09	0.236
RDU-A-045	Soil			1.56	79.72	9.05	102.3	202	147.3	50.1	899	7.46	63.3	0.5	5.1	4.2	29.0	0.19	1.04	0.15	76	1.29	0.235
RDU-A-046	Soil			2.14	70.95	14.93	111.5	615	167.0	48.2	2493	6.32	75.7	1.0	4.7	5.7	35.8	0.58	1.28	0.19	67	1.62	0.165
RDU-A-047	Soil			1.55	71.33	17.59	89.3	303	189.4	35.4	1084	4.92	399.8	0.6	9.3	4.4	49.6	0.34	1.56	0.14	56	3.03	0.165
RDU-A-048	Soil			8.01	132.1	20.48	257.5	1174	157.8	50.8	1691	8.54	254.4	1.9	24.0	3.9	39.6	1.84	4.14	0.20	71	0.89	0.368
RDU-A-049	Soil			2.76	70.09	14.34	91.0	313	80.5	19.9	349	3.96	51.9	0.9	2.4	1.6	32.1	0.73	1.47	0.34	89	0.49	0.181
RDU-A-050	Soil			4.12	97.70	42.81	103.9	684	107.7	24.9	1200	4.49	38.8	1.7	2.8	13.9	32.7	0.48	0.99	0.94	67	0.59	0.141
RDU-A-051	Soil			1.62	97.29	16.05	97.0	263	208.6	35.0	1107	5.69	246.1	1.0	10.1	6.5	44.0	0.19	1.91	0.29	91	0.88	0.138
RDU-A-052	Soil			0.30	16.65	4.91	33.3	154	1990	77.6	1129	3.19	8.9	0.2	9.0	1.1	4.7	0.03	1.04	0.07	28	0.08	0.035
RDU-A-053	Soil			0.30	18.23	3.70	28.0	81	2153	77.5	1085	2.50	10.5	0.3	3.6	1.2	4.7	0.04	1.83	0.06	23	0.07	0.024
RDU-A-054	Soil			0.70	36.97	9.81	69.1	145	382.4	23.8	379	3.57	43.1	0.9	2.1	2.6	25.3	0.33	2.43	0.21	71	0.40	0.124
RDU-A-055	Soil			0.95	49.33	9.32	89.7	162	81.3	24.6	595	4.87	30.0	0.7	1.5	1.0	61.2	0.12	1.07	0.20	174	1.05	0.328
RDU-A-056	Soil			0.89	60.64	8.31	87.8	58	91.6	23.7	455	3.92	23.2	0.7	9.5	2.6	51.1	0.21	0.79	0.26	123	0.86	0.171
RDU-A-057	Soil			0.47	51.81	7.84	50.0	16	100.5	24.9	405	3.44	24.8	0.5	0.6	2.9	49.4	0.04	0.31	0.12	107	0.83	0.170
RDU-A-058	Soil			0.80	56.96	11.21	92.1	49	70.0	20.5	390	3.39	96.9	0.7	0.4	2.9	45.4	0.15	0.58	0.25	94	0.83	0.160
RDU-A-059	Soil			0.09	136.2	3.96	19.4	156	60.0	22.8	156	1.65	2.7	0.3	0.8	0.6	23.8	<0.01	0.10	0.04	45	0.61	0.110
RDU-A-060	Soil			0.08	61.85	1.66	29.7	39	69.8	23.9	218	2.30	2.0	0.2	0.5	1.0	43.5	<0.01	0.07	0.03	71	0.72	0.070

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 3 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		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	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
RDU-A-031	Soil	37.0	19.1	0.41	148.5	0.014	<1	1.48	0.007	0.16	21.8	3.2	0.30	<0.02	6	0.4	<0.02	5.7	8.91	<0.1	0.13
RDU-A-032	Soil	28.1	18.8	0.27	160.1	0.002	<1	0.95	0.004	0.19	4.3	4.2	0.28	<0.02	6	0.2	<0.02	3.4	20.09	<0.1	0.08
RDU-A-033	Soil	21.1	6.9	0.09	50.4	0.006	1	0.78	0.003	0.08	17.3	1.0	0.26	<0.02	<5	0.1	<0.02	5.3	12.42	<0.1	<0.02
RDU-A-034	Soil	25.3	39.0	0.56	95.4	0.008	<1	2.17	0.004	0.22	2.5	3.6	0.48	<0.02	22	0.3	0.03	6.3	23.80	<0.1	<0.02
RDU-A-035	Soil	29.0	48.5	0.73	102.6	0.028	<1	2.24	0.007	0.24	2.0	3.9	0.45	0.03	19	0.4	0.04	7.1	17.77	<0.1	<0.02
RDU-A-036	Soil	33.9	25.5	0.53	97.2	0.003	<1	1.55	0.003	0.08	0.6	4.2	0.29	<0.02	5	0.5	0.03	5.3	12.36	<0.1	<0.02
RDU-A-037	Soil	38.9	18.0	0.51	45.5	0.002	2	1.17	0.003	0.04	0.3	1.7	0.05	0.03	12	0.6	<0.02	3.1	1.19	0.1	0.06
RDU-A-038	Soil	39.1	32.7	0.87	63.3	0.018	<1	1.89	0.004	0.04	0.3	2.2	0.06	0.02	15	0.4	<0.02	5.5	2.66	<0.1	0.04
RDU-A-039	Soil	82.2	29.8	1.03	183.1	0.012	1	2.06	0.004	0.07	0.3	3.5	0.15	0.03	33	3.3	0.12	5.8	3.72	0.2	0.09
RDU-A-040	Soil	28.2	28.8	1.75	151.7	0.022	1	2.95	0.006	0.06	0.3	6.9	0.09	0.03	22	0.4	0.03	11.0	2.35	<0.1	0.06
RDU-A-041	Soil	23.0	33.0	1.72	112.8	0.020	2	2.92	0.004	0.07	0.3	8.3	0.11	0.04	26	0.5	0.02	10.3	6.11	<0.1	0.03
RDU-A-042	Soil	46.6	80.4	1.86	179.1	0.013	<1	3.23	0.004	0.04	0.1	10.4	0.06	<0.02	33	0.6	0.03	11.4	2.99	0.1	0.04
RDU-A-043	Soil	27.9	215.1	1.83	99.2	0.013	1	2.58	0.004	0.05	0.1	12.9	0.05	0.04	25	0.6	0.04	9.0	2.50	<0.1	0.02
RDU-A-044	Soil	35.2	152.3	1.43	104.2	0.009	2	2.08	0.005	0.04	0.2	10.7	0.06	0.05	14	0.7	0.02	6.8	1.31	0.1	0.02
RDU-A-045	Soil	38.4	123.3	1.07	116.2	0.014	1	2.20	0.009	0.05	0.2	8.7	0.05	0.03	12	0.6	0.02	6.9	1.38	0.1	0.04
RDU-A-046	Soil	50.1	116.8	1.16	182.9	0.029	1	2.31	0.008	0.06	0.3	13.4	0.09	0.02	54	1.2	0.04	5.9	1.28	0.1	0.06
RDU-A-047	Soil	22.6	114.7	1.22	134.4	0.027	1	1.47	0.009	0.05	0.3	6.8	0.09	0.04	20	0.5	0.03	4.4	1.09	0.1	0.05
RDU-A-048	Soil	18.6	71.9	0.74	127.1	0.010	1	1.46	0.004	0.05	0.2	7.4	0.15	0.02	52	3.5	0.06	4.2	1.76	0.1	0.05
RDU-A-049	Soil	14.7	136.1	1.41	150.3	0.052	2	1.70	0.011	0.08	0.3	3.5	0.12	0.03	28	1.1	0.04	5.1	1.61	<0.1	<0.02
RDU-A-050	Soil	45.5	64.3	1.80	189.3	0.036	1	2.20	0.005	0.07	0.1	7.0	0.07	<0.02	37	1.2	0.07	5.4	1.45	<0.1	0.12
RDU-A-051	Soil	27.0	148.3	1.93	271.3	0.048	2	2.05	0.009	0.11	0.3	9.2	0.16	<0.02	21	0.7	0.04	5.4	4.07	<0.1	0.03
RDU-A-052	Soil	3.1	1338	18.08	52.9	0.013	76	0.43	0.006	0.03	0.6	6.1	0.03	0.04	28	0.3	0.03	1.2	0.38	<0.1	<0.02
RDU-A-053	Soil	4.4	1083	17.04	82.5	0.010	87	0.45	0.004	0.02	1.1	5.1	0.03	<0.02	18	0.3	<0.02	1.3	0.31	<0.1	<0.02
RDU-A-054	Soil	14.7	333.2	2.93	197.2	0.055	8	1.39	0.013	0.07	0.4	6.1	0.09	<0.02	22	0.4	0.03	4.0	1.42	<0.1	<0.02
RDU-A-055	Soil	12.7	142.6	2.26	973.0	0.070	2	2.08	0.018	0.10	0.2	5.4	0.14	0.03	9	0.4	<0.02	6.1	2.66	<0.1	<0.02
RDU-A-056	Soil	11.6	159.2	1.94	323.4	0.095	2	1.75	0.028	0.11	0.5	5.7	0.07	0.04	7	0.5	<0.02	5.6	1.73	<0.1	0.02
RDU-A-057	Soil	9.8	242.9	2.43	310.5	0.144	1	2.08	0.019	0.13	0.1	4.6	0.09	<0.02	<5	0.5	<0.02	5.3	1.79	<0.1	<0.02
RDU-A-058	Soil	11.1	206.3	1.91	223.9	0.109	2	1.79	0.016	0.13	0.2	4.2	0.07	0.06	9	0.8	0.02	5.0	2.07	<0.1	0.02
RDU-A-059	Soil	4.0	441.3	2.31	113.8	0.108	<1	1.43	0.004	0.14	<0.1	2.6	0.07	<0.02	<5	0.2	0.02	2.8	0.83	<0.1	0.03
RDU-A-060	Soil	5.4	366.4	3.71	233.3	0.164	<1	2.44	0.005	0.45	<0.1	4.0	0.09	<0.02	<5	0.2	<0.02	4.0	1.43	<0.1	<0.02

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 3 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	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	
RDU-A-031	Soil	1.57	35.6	2.6	<0.05	8.1	14.58	82.1	0.04	<1	2.3	43.6	<10	<2
RDU-A-032	Soil	0.60	33.1	4.1	<0.05	8.8	9.48	65.3	0.04	<1	2.6	19.6	<10	<2
RDU-A-033	Soil	1.08	27.8	2.9	<0.05	1.2	4.23	45.5	0.08	<1	0.8	6.4	<10	<2
RDU-A-034	Soil	0.98	40.4	2.7	<0.05	0.6	7.91	67.0	0.05	<1	2.1	55.6	<10	<2
RDU-A-035	Soil	1.00	40.3	2.2	<0.05	0.5	8.80	65.3	0.04	<1	1.5	63.4	<10	<2
RDU-A-036	Soil	0.19	16.3	1.2	<0.05	1.4	12.41	80.3	0.04	<1	1.5	47.3	<10	<2
RDU-A-037	Soil	0.05	5.6	0.5	<0.05	4.3	5.76	77.0	0.02	<1	0.4	23.6	<10	<2
RDU-A-038	Soil	0.40	7.2	0.6	<0.05	1.9	6.22	82.2	0.02	2	0.3	31.1	<10	<2
RDU-A-039	Soil	0.23	11.1	1.8	<0.05	3.4	30.68	348.4	0.08	<1	1.0	41.5	<10	4
RDU-A-040	Soil	0.52	9.6	1.9	<0.05	2.8	13.46	61.6	0.07	<1	0.8	64.0	<10	<2
RDU-A-041	Soil	0.63	11.0	1.3	<0.05	1.5	18.04	42.8	0.08	<1	1.2	67.5	<10	<2
RDU-A-042	Soil	0.21	6.8	0.8	<0.05	1.6	22.11	80.1	0.10	<1	0.8	46.3	<10	<2
RDU-A-043	Soil	0.22	5.3	0.8	<0.05	1.4	15.50	54.7	0.07	<1	0.7	38.6	<10	<2
RDU-A-044	Soil	0.22	4.5	0.5	<0.05	1.6	16.92	66.9	0.06	<1	0.5	33.3	<10	<2
RDU-A-045	Soil	0.31	5.6	0.5	<0.05	2.0	17.46	67.0	0.05	<1	0.5	29.7	<10	<2
RDU-A-046	Soil	0.44	7.2	0.7	<0.05	3.1	34.12	84.2	0.06	<1	0.6	24.3	<10	<2
RDU-A-047	Soil	0.37	5.8	0.6	<0.05	2.5	11.38	44.1	0.05	<1	0.4	24.3	<10	<2
RDU-A-048	Soil	0.17	7.4	0.9	<0.05	2.5	18.17	38.5	0.04	<1	0.5	21.6	<10	<2
RDU-A-049	Soil	0.31	10.6	0.6	<0.05	0.6	5.44	29.6	0.02	<1	0.4	20.2	<10	3
RDU-A-050	Soil	0.06	8.4	0.9	<0.05	10.1	31.87	73.2	0.04	<1	0.4	28.7	<10	3
RDU-A-051	Soil	0.18	18.0	1.2	<0.05	2.1	14.11	47.3	0.04	<1	0.7	20.6	<10	3
RDU-A-052	Soil	0.03	4.9	0.5	<0.05	0.6	1.88	6.4	<0.02	<1	0.1	3.5	<10	8
RDU-A-053	Soil	0.04	3.2	0.4	<0.05	0.6	2.76	7.6	<0.02	<1	<0.1	3.5	<10	4
RDU-A-054	Soil	0.42	10.2	0.7	<0.05	0.8	7.42	28.8	0.02	<1	0.4	14.7	<10	4
RDU-A-055	Soil	0.24	22.8	0.8	<0.05	0.3	5.01	26.0	0.03	<1	0.3	11.2	<10	2
RDU-A-056	Soil	0.46	15.2	1.4	<0.05	0.9	4.39	25.4	0.02	<1	0.3	17.3	<10	5
RDU-A-057	Soil	0.35	11.5	0.6	<0.05	0.8	4.86	23.8	<0.02	<1	0.4	20.4	14	6
RDU-A-058	Soil	0.51	23.6	0.6	<0.05	1.1	4.30	24.7	0.02	<1	0.3	16.7	<10	4
RDU-A-059	Soil	0.09	15.4	0.3	<0.05	0.6	1.82	5.5	<0.02	<1	<0.1	11.0	101	14
RDU-A-060	Soil	0.03	28.7	0.3	<0.05	0.7	1.47	17.5	<0.02	<1	0.2	17.6	33	12

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 4 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				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
RDU-A-061	Soil			0.41	154.8	6.24	59.3	66	35.5	29.2	293	5.92	6.3	0.8	1.8	2.2	77.2	0.09	0.17	0.16	260	1.62	0.576
RDU-A-062	Soil			0.53	83.43	5.03	57.9	107	27.5	26.6	420	4.23	6.5	0.5	1.0	1.4	62.9	<0.01	0.17	0.12	126	1.00	0.247
RDU-A-063	Soil			0.26	43.47	3.43	41.4	21	81.5	39.6	349	4.14	2.9	0.3	<0.2	1.0	40.3	<0.01	0.06	0.07	138	0.67	0.111
RDU-A-064	Soil			0.76	46.94	14.17	54.9	79	25.4	15.1	313	2.97	15.0	0.6	2.7	2.8	29.9	0.09	0.25	0.47	79	0.38	0.125
RDU-A-065	Soil			1.70	11.18	12.99	52.9	153	16.1	4.8	170	2.05	10.7	1.9	1.6	2.3	9.3	0.43	0.77	1.60	43	0.12	0.058
RDU-A-066	Soil			1.66	16.25	15.88	67.1	89	24.0	8.0	315	2.24	15.6	4.2	8.9	8.7	14.9	0.26	0.70	1.50	33	0.22	0.080
RDU-A-067	Soil			2.18	17.72	20.11	79.3	73	24.6	10.2	391	3.05	36.7	3.2	1.9	4.6	14.1	0.26	0.43	1.19	43	0.17	0.066
RDU-A-068	Soil			0.68	22.53	19.12	71.9	66	32.1	16.5	507	3.21	36.3	1.8	1.4	9.3	16.7	0.11	0.24	0.62	42	0.25	0.090
RDU-A-069	Soil			1.90	61.34	36.47	150.1	259	55.4	18.6	439	4.72	14.4	4.8	2.0	11.4	75.4	0.24	0.42	0.74	51	0.93	0.115
RDU-A-070	Soil			2.95	18.08	52.93	78.2	53	18.8	8.5	435	2.69	5.8	3.1	0.6	10.1	11.2	0.09	0.28	7.81	32	0.15	0.053
RDU-A-071	Soil			2.64	12.40	42.53	68.5	31	15.0	8.0	432	2.61	4.9	3.6	1.5	12.6	10.1	0.02	0.30	9.92	31	0.15	0.052
RDU-A-072	Soil			2.86	13.04	53.66	75.7	299	12.2	7.7	481	2.85	8.8	2.7	1.3	14.3	14.6	<0.01	0.17	29.12	31	0.21	0.062
RDU-A-073	Soil			2.30	6.80	37.09	65.1	63	11.8	5.9	307	2.89	3.8	2.5	8.4	10.8	9.9	0.08	0.27	2.92	29	0.13	0.060
RDU-A-074	Soil			1.44	24.00	28.42	71.6	75	40.8	17.0	646	4.00	19.1	2.7	3.3	10.8	30.7	0.10	0.25	2.55	41	0.42	0.028
RDU-A-075	Soil			1.21	33.33	37.60	160.2	99	65.4	30.4	1405	5.78	6.2	2.1	2.8	14.8	299.2	0.46	0.50	1.92	66	2.51	0.066
RDU-A-076	Soil			1.03	30.23	16.83	89.5	88	35.0	15.6	800	2.98	7.5	9.0	1.8	3.8	141.2	0.23	0.31	1.46	36	1.07	0.057
RDU-A-077	Soil			0.66	21.95	12.54	62.8	78	40.0	12.9	412	2.60	15.2	2.2	2.7	6.1	52.9	0.18	0.49	1.43	32	0.54	0.072
RDU-A-078	Soil			0.59	34.80	17.28	84.1	84	58.7	21.5	722	4.34	8.9	1.6	1.8	11.6	137.6	0.10	0.27	2.28	51	0.84	0.066
RDU-A-079	Soil			1.76	38.80	13.53	82.0	178	50.6	20.3	606	4.03	28.1	1.5	1.1	9.5	21.8	0.17	0.35	0.66	54	0.43	0.075
RDU-A-080	Soil			1.31	27.36	9.77	79.9	58	39.3	14.2	465	3.36	25.1	1.1	1.7	7.2	18.8	0.21	0.43	0.65	42	0.33	0.076
RDU-A-081	Soil			1.44	45.55	18.09	100.6	73	47.9	24.5	744	4.40	18.6	1.5	7.6	6.5	8.8	0.36	0.30	1.88	48	0.13	0.060
RDU-A-082	Soil			1.62	57.87	34.35	112.8	60	55.4	29.4	1148	4.43	22.9	1.4	1.3	8.1	11.9	0.26	0.34	2.64	53	0.18	0.086
RDU-A-083	Soil			3.29	51.97	21.61	98.2	132	53.1	28.7	1386	4.77	18.6	1.3	1.1	5.3	9.8	0.14	0.38	3.09	56	0.16	0.094
RDU-A-084	Soil			1.16	42.86	25.05	67.6	259	43.5	19.6	458	3.98	31.9	1.2	1.3	2.1	8.4	0.23	0.42	3.74	50	0.11	0.080
RDU-A-085	Soil			1.63	73.53	17.56	78.0	189	92.0	31.5	825	4.07	17.6	1.2	1.7	8.4	20.6	0.21	0.61	3.15	67	0.30	0.122
RDU-A-086	Soil			1.56	174.1	14.39	89.5	79	51.4	27.8	395	5.81	19.6	1.0	3.7	4.9	17.3	0.23	0.54	19.96	79	0.12	0.114
RDU-A-087	Soil			0.93	41.67	15.28	80.9	383	86.7	16.7	357	4.45	35.6	0.8	0.5	6.4	8.9	0.50	2.50	6.90	51	0.09	0.064
RDU-A-088	Soil			1.43	46.75	12.82	54.4	298	54.0	13.6	433	4.97	98.2	2.0	1.1	3.9	17.5	0.23	1.50	4.33	38	0.42	0.146
RDU-A-089	Soil			1.81	99.76	10.50	130.6	207	93.3	37.8	2703	8.55	23.1	0.8	1.1	7.6	42.7	0.22	0.92	3.51	87	0.90	0.271
RDU-A-090	Soil			2.55	54.48	10.10	92.1	217	43.2	30.7	1686	5.93	37.2	1.4	3.4	2.5	73.3	0.21	0.88	0.34	73	2.10	0.157

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 4 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		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	0.01	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
RDU-A-061	Soil	10.5	176.6	2.50	748.8	0.166	<1	2.21	0.017	0.92	0.2	4.7	0.33	0.02	8	0.8	0.03	6.2	2.08	0.2	<0.02
RDU-A-062	Soil	7.0	152.5	2.63	314.0	0.176	<1	2.20	0.019	0.34	<0.1	3.7	0.15	0.03	17	0.7	0.03	4.9	1.67	0.1	<0.02
RDU-A-063	Soil	4.0	259.8	4.81	1286	0.262	<1	3.81	0.027	1.97	<0.1	5.3	0.40	<0.02	<5	0.3	0.02	6.5	3.76	0.2	0.04
RDU-A-064	Soil	11.9	65.0	1.07	142.7	0.093	<1	1.51	0.016	0.21	0.6	3.1	0.17	0.02	9	0.4	0.03	5.9	2.67	<0.1	<0.02
RDU-A-065	Soil	12.6	23.8	0.26	111.6	0.039	<1	0.86	0.005	0.05	0.9	1.2	0.15	0.02	20	0.3	0.03	5.0	1.72	<0.1	<0.02
RDU-A-066	Soil	20.5	27.8	0.46	121.1	0.039	<1	1.12	0.006	0.07	4.7	2.1	0.14	<0.02	18	0.2	0.04	3.7	2.70	<0.1	<0.02
RDU-A-067	Soil	17.4	35.3	0.59	96.2	0.040	<1	1.52	0.007	0.09	2.3	2.6	0.17	<0.02	14	0.2	0.05	6.2	4.63	<0.1	<0.02
RDU-A-068	Soil	29.7	40.1	0.86	76.3	0.061	<1	1.80	0.004	0.09	0.7	3.3	0.14	<0.02	9	0.2	<0.02	5.4	2.71	<0.1	<0.02
RDU-A-069	Soil	39.0	61.3	0.69	171.5	0.025	2	2.14	0.013	0.24	0.9	9.1	0.23	0.05	42	0.9	0.04	6.6	8.20	<0.1	0.03
RDU-A-070	Soil	24.9	27.5	0.55	100.8	0.014	1	2.19	0.006	0.18	9.6	3.1	0.32	<0.02	19	0.2	0.03	6.4	9.14	<0.1	0.06
RDU-A-071	Soil	31.4	24.2	0.49	85.0	0.016	<1	1.95	0.004	0.15	10.0	3.3	0.29	<0.02	14	0.3	0.03	6.3	8.29	<0.1	0.03
RDU-A-072	Soil	27.1	20.5	0.50	148.6	0.007	<1	2.41	0.005	0.15	30.6	3.7	0.44	<0.02	23	0.3	0.07	7.6	11.17	<0.1	0.07
RDU-A-073	Soil	15.7	25.1	0.43	54.9	0.009	<1	1.39	0.005	0.15	4.6	2.1	0.22	<0.02	39	<0.1	<0.02	5.6	14.06	<0.1	0.07
RDU-A-074	Soil	23.6	55.9	0.88	97.9	0.051	1	2.20	0.006	0.25	5.9	4.0	0.38	<0.02	25	0.2	<0.02	7.5	12.47	0.1	0.04
RDU-A-075	Soil	56.0	104.2	1.15	106.0	0.056	<1	3.16	0.019	0.20	0.6	8.3	0.27	0.05	24	0.2	0.03	9.2	8.34	0.1	<0.02
RDU-A-076	Soil	22.6	51.3	0.68	114.0	0.041	2	1.97	0.046	0.14	1.3	3.5	0.16	0.05	30	0.7	0.10	6.3	11.75	<0.1	<0.02
RDU-A-077	Soil	21.0	42.8	0.63	94.3	0.038	<1	1.35	0.014	0.09	2.7	2.6	0.14	<0.02	17	0.2	0.08	4.5	3.29	0.1	<0.02
RDU-A-078	Soil	37.8	72.2	0.96	133.5	0.044	<1	3.34	0.047	0.14	1.7	5.8	0.25	0.03	20	<0.1	0.04	9.4	10.76	<0.1	0.03
RDU-A-079	Soil	51.2	52.4	1.47	205.7	0.042	1	2.50	0.008	0.25	0.3	5.0	0.26	0.03	24	0.4	<0.02	7.8	8.56	<0.1	0.09
RDU-A-080	Soil	30.8	38.5	1.07	139.0	0.033	2	2.00	0.007	0.10	0.4	2.9	0.14	<0.02	10	0.6	0.05	5.8	3.19	<0.1	<0.02
RDU-A-081	Soil	31.6	49.4	0.85	89.3	0.020	<1	2.08	0.004	0.09	1.2	2.8	0.19	<0.02	10	0.5	0.04	6.6	5.08	<0.1	<0.02
RDU-A-082	Soil	33.1	64.1	0.91	126.0	0.031	<1	2.17	0.005	0.13	2.6	3.6	0.27	<0.02	17	0.3	0.08	6.7	10.16	<0.1	<0.02
RDU-A-083	Soil	42.1	54.6	0.79	106.7	0.027	1	1.85	0.006	0.11	2.2	3.5	0.28	<0.02	17	0.4	0.05	6.1	10.48	<0.1	<0.02
RDU-A-084	Soil	27.8	46.9	0.59	74.5	0.020	<1	1.71	0.005	0.11	3.4	1.8	0.21	0.04	40	0.2	0.10	6.1	7.20	<0.1	<0.02
RDU-A-085	Soil	45.8	160.3	1.25	163.0	0.067	<1	2.57	0.006	0.15	17.0	3.7	0.53	<0.02	29	0.4	0.05	7.5	16.37	<0.1	0.02
RDU-A-086	Soil	28.1	54.7	0.92	85.0	0.036	<1	2.25	0.009	0.16	8.9	4.4	0.41	0.09	34	0.4	0.27	7.4	14.01	<0.1	<0.02
RDU-A-087	Soil	19.7	115.2	1.20	57.4	0.025	2	1.87	0.005	0.09	5.1	2.8	0.18	0.02	23	0.3	0.07	6.5	4.32	<0.1	<0.02
RDU-A-088	Soil	29.9	68.2	0.76	156.8	0.008	2	1.65	0.006	0.06	2.3	2.4	0.15	0.10	55	0.5	0.05	5.3	2.66	0.1	0.06
RDU-A-089	Soil	56.0	78.9	2.84	225.7	0.110	<1	3.74	0.006	0.68	0.3	7.0	1.59	0.02	21	0.6	<0.02	12.8	56.64	0.1	0.03
RDU-A-090	Soil	32.9	45.2	1.19	182.8	0.014	2	2.29	0.006	0.08	0.4	4.9	0.12	0.10	52	0.7	<0.02	7.6	2.36	<0.1	0.02

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 4 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	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	
RDU-A-061	Soil	0.21	104.2	0.7	<0.05	1.0	7.15	23.0	<0.02	<1	0.2	10.4	12	10
RDU-A-062	Soil	0.27	38.0	0.6	<0.05	0.7	3.06	14.9	<0.02	<1	0.1	9.5	449	42
RDU-A-063	Soil	0.06	95.7	0.7	<0.05	1.2	1.91	9.3	<0.02	<1	0.2	23.0	<10	16
RDU-A-064	Soil	0.52	33.4	1.4	<0.05	0.8	3.80	23.2	<0.02	<1	0.2	13.0	<10	4
RDU-A-065	Soil	0.81	12.6	1.5	<0.05	0.4	5.42	24.3	<0.02	<1	0.2	7.8	<10	<2
RDU-A-066	Soil	0.59	18.5	1.1	<0.05	0.7	9.12	40.1	0.03	<1	0.6	19.2	<10	<2
RDU-A-067	Soil	0.71	28.0	2.0	<0.05	0.6	6.79	35.0	0.02	<1	0.6	20.3	<10	<2
RDU-A-068	Soil	0.65	13.8	0.9	<0.05	1.1	9.23	64.4	0.03	<1	0.4	28.4	<10	<2
RDU-A-069	Soil	1.10	34.3	2.7	<0.05	1.5	25.21	64.1	0.06	<1	1.9	44.8	<10	<2
RDU-A-070	Soil	1.37	31.6	3.7	<0.05	1.9	8.98	50.3	0.06	<1	2.3	49.0	<10	<2
RDU-A-071	Soil	1.19	28.4	3.2	<0.05	1.9	10.30	59.3	0.05	<1	2.3	43.5	<10	<2
RDU-A-072	Soil	1.27	35.2	4.3	<0.05	4.6	9.88	55.0	0.08	<1	4.0	48.4	<10	<2
RDU-A-073	Soil	1.02	25.7	2.5	<0.05	4.1	5.86	33.0	0.03	<1	1.2	24.9	<10	<2
RDU-A-074	Soil	1.54	44.8	1.9	<0.05	1.7	6.90	47.9	0.06	<1	2.2	74.3	<10	<2
RDU-A-075	Soil	1.36	28.8	1.3	<0.05	1.3	18.58	155.0	0.05	<1	2.5	65.6	<10	<2
RDU-A-076	Soil	1.18	18.4	1.3	<0.05	1.0	9.32	52.5	0.03	1	1.0	42.5	<10	<2
RDU-A-077	Soil	0.88	17.4	0.7	<0.05	0.9	8.64	46.3	0.03	1	0.9	24.8	<10	<2
RDU-A-078	Soil	1.54	21.2	1.2	<0.05	1.7	13.23	80.0	0.05	1	1.1	49.3	<10	<2
RDU-A-079	Soil	0.68	28.7	1.7	<0.05	3.7	18.37	75.7	0.02	<1	0.7	47.0	<10	<2
RDU-A-080	Soil	0.55	13.9	0.9	<0.05	1.5	9.03	67.5	0.04	<1	0.6	32.2	<10	<2
RDU-A-081	Soil	0.45	14.7	1.0	<0.05	0.5	8.54	60.0	0.03	<1	1.1	45.8	<10	<2
RDU-A-082	Soil	0.46	21.4	1.8	<0.05	0.8	10.24	69.7	0.05	<1	1.0	52.6	<10	<2
RDU-A-083	Soil	0.43	20.2	1.7	<0.05	0.3	12.90	79.0	0.03	<1	1.2	46.7	<10	<2
RDU-A-084	Soil	0.61	15.0	1.5	<0.05	0.2	7.64	53.3	0.03	<1	0.7	35.1	<10	<2
RDU-A-085	Soil	1.15	38.6	1.9	<0.05	1.6	10.20	78.1	0.04	<1	1.5	67.4	<10	<2
RDU-A-086	Soil	0.71	26.3	3.5	<0.05	1.0	8.51	47.2	0.12	<1	1.7	54.1	<10	<2
RDU-A-087	Soil	0.66	21.6	1.2	<0.05	1.0	4.85	36.3	0.04	1	0.4	38.1	<10	<2
RDU-A-088	Soil	0.47	11.4	1.2	<0.05	1.4	14.33	51.6	0.03	<1	0.6	22.5	<10	<2
RDU-A-089	Soil	1.06	108.8	12.3	<0.05	1.6	26.83	79.8	0.18	<1	0.8	57.5	<10	<2
RDU-A-090	Soil	0.68	12.7	2.8	<0.05	1.0	18.63	56.6	0.06	<1	0.4	29.0	<10	<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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 5 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
RDU-A-091	Soil			1.32	35.81	14.00	77.9	236	41.4	17.2	519	3.53	79.6	1.7	3.4	5.8	25.3	0.23	0.51	0.44	32	0.55	0.104
RDU-A-092	Soil			0.40	16.29	8.62	40.2	116	87.6	11.5	344	1.72	14.8	1.5	2.2	3.4	29.6	0.11	1.23	0.30	26	0.46	0.051
RDU-A-093	Soil			1.49	9.39	15.16	47.6	127	38.0	8.2	205	2.68	24.1	0.9	0.4	5.6	8.2	0.15	1.38	0.76	50	0.07	0.028
RDU-A-094	Soil			0.79	25.71	17.36	71.0	75	63.3	13.9	447	2.96	31.3	1.0	0.6	6.8	15.6	0.22	0.81	0.51	40	0.23	0.066
RDU-B-001	Soil			1.19	34.13	15.38	77.2	254	55.3	19.6	1327	3.45	17.3	2.4	1.9	3.3	85.9	0.61	1.05	0.34	32	1.51	0.125
RDU-B-002	Soil			2.93	35.99	14.89	117.1	331	39.5	10.0	476	2.31	12.8	1.0	2.8	5.7	35.8	0.70	1.90	0.20	39	0.47	0.090
RDU-B-003	Soil			0.75	58.59	56.18	141.9	223	106.1	33.9	644	4.44	50.7	0.9	3.1	12.1	108.2	0.18	4.17	0.88	16	3.35	0.097
RDU-B-004	Soil			2.41	28.95	14.66	100.2	300	43.6	13.3	374	2.81	18.3	0.8	3.9	4.7	14.8	0.41	1.79	0.26	54	0.16	0.063
RDU-B-005	Soil			0.24	81.62	12.79	128.7	48	176.0	63.3	2486	8.20	3.0	0.3	0.4	7.0	51.8	0.12	0.17	0.08	193	0.93	0.292
RDU-B-006	Soil			3.17	20.01	15.68	95.4	220	32.4	10.1	419	3.14	48.2	0.7	3.0	5.4	5.9	0.29	1.75	0.32	39	0.05	0.073
RDU-B-007	Soil			1.74	12.30	21.29	45.3	86	18.8	6.1	187	2.01	17.5	0.4	0.7	3.6	7.1	0.23	0.94	0.19	34	0.07	0.043
RDU-B-008	Soil			2.33	39.14	23.59	109.8	292	48.0	16.8	389	3.44	17.5	1.0	<0.2	11.3	18.4	0.13	0.37	0.22	49	0.38	0.043
RDU-B-009	Soil			1.20	46.93	12.18	76.2	62	55.3	28.3	1089	4.56	7.3	0.7	1.4	5.5	10.1	0.07	0.42	0.33	59	0.14	0.081
RDU-B-010	Soil			0.64	43.80	9.80	77.8	36	75.0	27.0	1227	3.35	5.5	0.7	2.0	8.7	15.6	0.06	0.33	0.23	38	0.26	0.076
RDU-B-011	Soil			3.24	53.09	27.75	114.9	36	58.4	40.6	3146	7.20	4.2	2.0	1.5	9.8	10.0	0.10	0.30	0.41	113	0.21	0.105
RDU-B-012	Soil			0.71	48.87	11.29	80.3	62	58.3	31.1	1794	3.97	4.5	1.7	1.5	9.8	11.7	0.08	0.38	0.36	33	0.13	0.065
RDU-B-013	Soil			1.91	190.9	4.67	92.0	81	101.6	49.8	3194	12.73	2.3	0.6	0.7	4.4	18.5	0.24	0.21	0.05	72	0.76	0.191
RDU-B-014	Soil			4.21	100.7	9.11	75.8	78	109.0	44.6	2440	9.29	6.7	0.7	1.8	5.9	20.2	0.17	0.56	0.13	58	0.67	0.181
RDU-B-015	Soil			1.36	37.56	6.08	37.9	78	49.4	17.4	844	3.74	6.3	0.4	2.0	1.1	23.4	0.13	0.31	0.12	37	0.70	0.135
RDU-B-016	Soil			1.05	61.95	8.17	100.5	22	46.5	23.3	730	5.24	3.2	1.1	1.2	12.8	8.9	0.19	0.18	3.05	24	0.17	0.079
RDU-B-017	Soil			2.02	39.19	10.51	75.4	47	64.8	21.4	571	5.04	10.6	0.6	2.5	6.2	16.6	0.15	0.42	0.29	66	0.39	0.095
RDU-B-018	Soil			1.13	26.66	6.83	54.8	96	37.7	12.2	368	3.14	6.5	0.5	1.9	1.2	7.8	0.11	0.35	0.18	43	0.12	0.085
RDU-B-019	Soil			1.25	34.37	12.97	80.8	43	52.7	23.5	942	5.08	23.8	0.7	1.0	7.0	19.3	0.19	0.51	0.31	65	0.37	0.145
RDU-B-020	Soil			2.29	18.93	35.24	76.8	201	32.4	11.7	517	2.26	50.0	0.9	1.2	13.1	29.0	0.35	1.06	0.16	15	0.42	0.092
RDU-B-021	Soil			1.19	14.14	29.05	51.2	99	36.9	8.3	303	2.71	23.6	0.8	1.4	8.7	12.7	0.09	0.84	0.12	34	0.20	0.088
RDU-B-022	Soil			1.45	10.11	20.67	55.3	51	25.7	6.6	238	2.96	25.2	0.6	0.8	4.4	8.1	0.18	0.82	0.15	47	0.12	0.070
RDU-B-023	Soil			4.00	49.96	31.41	163.4	281	74.2	17.8	777	3.76	113.7	1.3	0.3	13.3	22.5	0.58	0.65	0.42	36	0.39	0.117
RDU-B-024	Soil			2.01	27.16	24.78	110.1	128	69.8	15.4	502	3.81	47.5	0.9	1.9	5.1	11.6	0.36	1.15	0.22	59	0.18	0.099
RDU-B-025	Soil			1.35	34.42	20.52	81.1	108	48.8	19.9	440	3.51	24.8	0.8	0.6	9.3	29.4	0.19	0.35	0.22	40	0.66	0.083
RDU-B-026	Soil			0.52	12.21	9.58	84.1	27	41.8	19.1	808	3.41	2.1	1.0	1.0	19.0	8.7	0.03	0.06	0.23	16	0.10	0.041

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 5 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		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	0.01	0.02	0.02	5	0.1	0.02	0.1	0.02	0.02	
RDU-A-091	Soil	19.3	43.7	0.58	153.6	0.017	<1	1.22	0.006	0.07	0.5	3.2	0.09	0.02	24	0.6	<0.02	3.9	1.61	<0.1	0.04
RDU-A-092	Soil	13.3	94.1	0.92	122.0	0.030	2	0.98	0.015	0.06	0.7	2.0	0.09	0.03	26	0.4	<0.02	3.1	1.21	<0.1	0.04
RDU-A-093	Soil	13.8	52.5	0.48	63.7	0.040	<1	1.39	0.007	0.05	1.3	1.7	0.11	<0.02	23	0.2	0.07	6.6	1.83	<0.1	0.04
RDU-A-094	Soil	18.7	61.3	0.82	113.1	0.043	<1	1.71	0.007	0.09	0.7	2.7	0.16	<0.02	14	0.2	0.04	5.1	2.18	<0.1	<0.02
RDU-B-001	Soil	34.3	49.4	0.52	394.4	0.008	2	1.27	0.009	0.06	0.2	2.9	0.07	0.07	73	0.5	<0.02	3.5	1.22	<0.1	0.06
RDU-B-002	Soil	23.4	28.3	0.47	278.2	0.008	2	1.00	0.007	0.09	<0.1	2.7	0.13	<0.02	136	0.7	0.09	2.8	0.78	<0.1	0.04
RDU-B-003	Soil	52.9	30.1	0.34	125.8	0.002	2	0.67	0.005	0.08	0.2	3.7	0.08	0.09	50	0.5	0.10	1.5	2.31	<0.1	0.08
RDU-B-004	Soil	22.4	44.1	0.51	327.2	0.010	2	1.40	0.004	0.08	0.1	2.4	0.15	<0.02	74	0.5	0.06	3.9	1.41	<0.1	0.03
RDU-B-005	Soil	110.6	331.8	6.02	230.9	0.206	<1	5.88	0.005	0.76	<0.1	26.0	0.13	<0.02	18	0.2	<0.02	19.0	10.81	<0.1	<0.02
RDU-B-006	Soil	33.3	25.2	0.18	67.0	0.018	1	0.68	0.003	0.07	0.4	1.2	0.10	<0.02	20	0.5	0.06	3.8	1.98	<0.1	<0.02
RDU-B-007	Soil	23.8	25.4	0.23	91.5	0.017	2	0.80	0.005	0.12	0.2	1.1	0.08	<0.02	35	0.2	0.04	3.2	1.44	<0.1	<0.02
RDU-B-008	Soil	42.7	30.7	0.64	355.5	0.011	<1	1.51	0.004	0.08	<0.1	5.2	0.13	<0.02	30	0.6	0.07	4.3	3.17	<0.1	0.04
RDU-B-009	Soil	44.1	69.1	1.19	148.2	0.011	<1	2.10	0.003	0.05	0.1	4.4	0.07	0.02	19	0.2	<0.02	6.7	2.87	<0.1	0.02
RDU-B-010	Soil	39.6	88.4	1.11	259.2	0.021	<1	1.70	0.003	0.05	<0.1	4.6	0.05	<0.02	23	0.3	0.07	5.1	2.41	<0.1	0.03
RDU-B-011	Soil	54.5	65.3	0.58	398.0	0.008	3	1.78	0.004	0.05	<0.1	16.1	0.05	<0.02	22	0.4	<0.02	5.6	6.44	<0.1	<0.02
RDU-B-012	Soil	77.9	31.5	0.23	101.6	0.021	<1	0.61	0.004	0.05	<0.1	6.1	0.03	<0.02	23	<0.1	0.05	2.1	5.32	<0.1	<0.02
RDU-B-013	Soil	27.9	131.0	1.02	128.5	0.003	<1	2.07	0.004	0.03	<0.1	10.7	<0.02	0.06	18	0.4	0.03	6.9	1.24	<0.1	<0.02
RDU-B-014	Soil	32.2	97.9	1.03	131.7	0.005	<1	1.89	0.003	0.03	<0.1	7.6	0.03	0.03	11	0.5	0.05	6.1	0.73	<0.1	0.03
RDU-B-015	Soil	15.4	51.2	0.61	71.6	0.008	1	1.32	0.018	0.02	<0.1	3.1	0.03	0.05	20	0.6	<0.02	4.1	0.76	<0.1	0.02
RDU-B-016	Soil	47.5	38.8	0.88	60.7	0.002	<1	1.96	0.005	0.06	<0.1	2.9	0.03	<0.02	6	0.3	<0.02	6.0	2.93	0.1	<0.02
RDU-B-017	Soil	26.1	103.1	1.08	91.6	0.007	<1	2.03	0.004	0.04	0.1	4.9	0.04	<0.02	8	0.4	0.04	6.8	1.17	<0.1	0.03
RDU-B-018	Soil	17.0	51.3	0.63	61.4	0.005	<1	1.37	0.008	0.03	<0.1	1.9	0.04	<0.02	14	0.4	0.02	4.8	0.89	<0.1	<0.02
RDU-B-019	Soil	26.6	58.5	1.27	105.2	0.043	<1	2.20	0.006	0.08	0.1	4.6	0.07	<0.02	9	0.5	<0.02	6.5	2.27	<0.1	<0.02
RDU-B-020	Soil	29.7	13.2	0.09	217.2	<0.001	3	0.39	0.003	0.21	0.2	3.4	0.12	0.04	19	0.5	<0.02	1.0	20.09	<0.1	0.03
RDU-B-021	Soil	31.6	40.7	0.35	208.2	0.009	2	0.72	0.004	0.14	0.3	3.2	0.12	<0.02	15	0.5	0.02	2.4	4.66	<0.1	<0.02
RDU-B-022	Soil	29.4	46.4	0.65	101.2	0.019	2	1.27	0.004	0.11	0.4	3.1	0.12	<0.02	18	0.5	0.02	4.3	2.82	<0.1	<0.02
RDU-B-023	Soil	40.6	43.8	0.82	186.9	<0.001	1	1.38	0.003	0.10	0.1	3.9	0.11	<0.02	7	0.7	0.08	4.1	7.62	0.1	0.04
RDU-B-024	Soil	25.2	74.5	1.01	162.1	0.012	1	1.74	0.005	0.06	0.2	4.3	0.12	<0.02	13	0.6	0.03	5.5	2.21	<0.1	<0.02
RDU-B-025	Soil	39.9	43.7	1.29	177.7	0.005	2	1.93	0.005	0.06	0.1	4.4	0.05	0.02	13	0.6	<0.02	5.9	1.70	<0.1	0.06
RDU-B-026	Soil	71.6	27.6	0.69	141.1	0.008	<1	1.47	0.003	0.06	<0.1	3.6	0.03	<0.02	6	0.3	0.03	4.5	3.13	0.1	<0.02

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 5 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	10	2	
RDU-A-091	Soil	0.50	11.5	0.7	<0.05	1.6	9.40	38.4	<0.02	<1	0.5	18.0	<10	<2
RDU-A-092	Soil	0.73	9.1	0.4	<0.05	1.3	5.68	25.3	<0.02	<1	0.3	12.4	<10	<2
RDU-A-093	Soil	1.07	11.9	1.8	<0.05	1.7	3.20	27.8	<0.02	<1	0.4	20.9	<10	<2
RDU-A-094	Soil	0.61	14.5	0.8	<0.05	0.6	6.62	40.1	0.02	<1	0.9	23.5	<10	<2
RDU-B-001	Soil	0.48	6.8	0.8	<0.05	2.7	14.08	61.9	0.04	<1	0.8	16.2	<10	<2
RDU-B-002	Soil	0.27	7.3	0.7	<0.05	2.2	10.45	43.0	0.03	<1	0.8	14.6	<10	<2
RDU-B-003	Soil	0.10	7.5	0.8	<0.05	7.0	13.25	95.2	0.03	<1	0.8	6.6	<10	2
RDU-B-004	Soil	0.39	12.7	0.6	<0.05	1.1	5.56	41.9	0.02	<1	0.6	20.4	<10	<2
RDU-B-005	Soil	0.22	33.1	0.7	<0.05	1.0	16.81	234.0	0.13	<1	2.4	74.1	<10	<2
RDU-B-006	Soil	0.48	13.1	0.8	<0.05	1.1	3.13	62.6	<0.02	<1	0.3	5.3	<10	<2
RDU-B-007	Soil	0.44	11.7	1.6	<0.05	0.4	2.95	48.9	<0.02	1	0.2	8.1	<10	<2
RDU-B-008	Soil	0.16	7.8	0.5	<0.05	4.4	19.01	77.7	<0.02	1	0.9	15.9	<10	<2
RDU-B-009	Soil	0.27	7.3	0.6	<0.05	0.9	11.14	96.4	0.04	1	0.5	20.5	<10	<2
RDU-B-010	Soil	0.19	6.3	0.4	<0.05	0.8	9.67	84.7	0.03	<1	0.3	17.1	<10	<2
RDU-B-011	Soil	0.11	8.3	3.0	<0.05	0.9	19.15	127.4	0.05	<1	1.3	18.8	<10	<2
RDU-B-012	Soil	0.06	5.5	2.1	<0.05	<0.1	17.62	138.5	0.04	<1	0.6	5.4	<10	<2
RDU-B-013	Soil	0.04	3.1	0.6	<0.05	0.3	19.85	52.6	0.06	<1	0.4	17.1	<10	<2
RDU-B-014	Soil	0.18	3.4	1.2	<0.05	1.5	15.55	63.3	0.03	<1	0.3	15.5	<10	<2
RDU-B-015	Soil	0.30	3.3	0.3	<0.05	0.9	9.65	30.0	0.03	<1	0.4	10.5	<10	<2
RDU-B-016	Soil	0.09	7.3	1.2	<0.05	1.2	6.96	99.9	0.03	<1	0.4	25.0	<10	<2
RDU-B-017	Soil	0.40	5.6	0.6	<0.05	1.3	6.64	61.9	0.03	<1	0.5	21.6	<10	<2
RDU-B-018	Soil	0.16	4.4	0.7	<0.05	0.2	4.73	38.1	<0.02	<1	0.3	13.8	<10	<2
RDU-B-019	Soil	0.42	8.9	0.6	<0.05	1.2	9.08	67.2	0.03	<1	0.6	27.8	<10	<2
RDU-B-020	Soil	0.05	10.7	1.4	<0.05	2.6	11.17	64.4	<0.02	<1	0.6	3.4	<10	<2
RDU-B-021	Soil	0.24	10.3	0.5	<0.05	0.3	9.60	69.4	<0.02	<1	0.5	8.2	<10	<2
RDU-B-022	Soil	0.35	12.4	1.0	<0.05	0.2	5.59	64.6	<0.02	<1	0.3	13.3	<10	<2
RDU-B-023	Soil	0.02	7.6	1.7	<0.05	4.9	12.48	83.7	0.02	<1	0.5	16.5	<10	<2
RDU-B-024	Soil	0.47	8.4	1.6	<0.05	0.6	7.79	65.3	0.03	<1	0.5	21.6	<10	<2
RDU-B-025	Soil	0.27	6.4	0.9	<0.05	2.3	16.77	89.7	0.02	<1	0.5	25.0	<10	<2
RDU-B-026	Soil	0.04	6.0	1.5	<0.05	2.4	15.37	174.2	<0.02	<1	0.3	20.5	<10	<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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 6 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				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
RDU-B-027	Soil			0.83	42.55	11.37	81.7	29	38.9	24.1	788	4.64	4.8	0.5	0.6	12.0	9.4	0.09	0.19	0.16	62	0.24	0.084
RDU-B-028	Soil			1.25	31.42	15.57	106.1	27	39.8	17.1	903	4.88	9.5	1.1	0.5	9.8	6.5	0.05	0.15	0.38	44	0.12	0.072
RDU-B-029	Soil			1.13	37.63	16.73	89.3	76	48.9	19.5	877	4.82	9.1	0.8	0.6	6.9	8.9	0.10	0.27	0.28	45	0.16	0.110
RDU-B-030	Soil			1.69	49.99	14.37	123.9	155	69.4	25.4	1125	5.71	7.2	0.8	1.3	10.2	18.5	0.36	0.43	0.23	63	0.46	0.156
RDU-B-031	Soil			1.28	82.95	2.95	67.2	61	204.2	49.2	1194	6.83	1.2	0.4	1.6	3.4	250.3	0.05	0.11	0.04	72	7.10	0.184
RDU-B-032	Soil			2.75	46.96	22.09	96.2	49	86.9	39.1	1557	8.86	32.4	1.3	0.9	6.9	11.5	0.24	0.47	0.38	54	0.18	0.145
RDU-B-033	Soil			1.32	42.71	16.11	103.6	38	70.0	29.7	1196	6.22	27.0	0.9	0.6	12.1	11.5	0.09	0.19	0.30	54	0.19	0.115
RDU-B-034	Soil			2.21	48.78	18.54	123.1	70	70.7	31.2	1632	7.13	13.7	1.1	4.6	10.1	23.0	0.11	0.29	0.56	92	0.37	0.180
RDU-B-035	Soil			3.24	47.18	9.77	79.5	89	54.5	29.4	1050	5.25	6.9	0.8	1.3	10.2	86.3	0.22	0.33	0.22	45	3.63	0.149
RDU-B-036	Soil			1.10	48.64	16.02	97.3	50	53.6	23.5	1057	4.77	4.3	1.1	3.9	12.7	12.6	0.13	0.19	0.39	49	0.28	0.077
RDU-B-037	Soil			2.16	37.95	18.81	125.7	54	89.8	47.1	1747	5.83	93.6	1.7	1.1	6.1	6.9	0.45	1.23	0.64	22	0.08	0.052
RDU-B-038	Soil			1.06	33.75	12.77	104.4	173	99.2	22.1	1353	4.12	22.1	1.9	2.3	6.8	21.1	0.37	0.57	0.33	23	0.30	0.066
RDU-B-039	Soil			1.16	34.27	9.46	52.3	262	51.5	17.5	511	3.48	164.1	2.1	4.7	12.9	20.4	0.20	0.64	0.42	5	0.14	0.042
RDU-B-040	Soil			17.88	101.3	36.70	144.7	663	58.0	23.5	857	5.85	355.6	3.3	21.9	2.6	38.5	1.21	8.83	0.35	28	0.19	0.182
RDU-B-041	Soil			4.32	59.31	20.02	126.2	413	56.4	13.4	568	3.40	150.5	1.5	17.3	7.0	24.3	0.84	6.19	0.24	36	0.25	0.094
RDU-B-042	Soil			31.23	274.0	67.68	134.4	1867	23.5	8.1	177	7.05	355.3	8.0	9.8	7.7	259.8	2.90	15.55	0.34	41	0.26	1.777
RDU-B-043	Soil			1.37	23.21	14.83	89.6	234	30.0	10.3	328	3.09	300.6	0.9	98.5	5.0	10.2	0.21	2.03	0.30	20	0.07	0.037
RDU-B-044	Soil			1.68	33.12	19.61	96.2	184	60.2	16.3	685	3.24	43.6	1.0	3.6	6.6	26.5	0.38	1.49	0.20	41	0.38	0.129
RDU-B-045	Soil			1.40	13.40	15.25	64.5	71	34.3	8.6	271	3.20	25.1	0.7	6.4	1.6	10.7	0.16	0.98	0.14	55	0.16	0.084
RDU-B-046	Soil			1.07	14.62	22.49	62.0	69	36.0	8.2	367	2.15	19.9	0.9	1.9	6.9	14.6	0.30	0.88	0.12	32	0.21	0.088
RDU-B-047	Soil			1.11	13.42	13.25	45.5	29	36.4	6.4	224	2.09	18.0	0.7	2.7	3.7	11.8	0.18	0.82	0.15	35	0.16	0.070
RDU-B-048	Soil			1.49	50.46	6.41	132.4	89	23.8	37.5	1501	11.17	12.3	0.8	1.4	5.9	52.6	0.16	0.28	0.02	206	0.87	0.285
RDU-B-049	Soil			1.29	15.12	40.47	44.0	132	30.6	8.7	382	1.92	43.6	0.7	2.8	8.0	13.4	0.19	1.15	0.13	19	0.18	0.069
RDU-B-050	Soil			1.43	16.80	18.87	65.1	54	32.0	9.0	282	2.25	19.3	0.8	5.9	5.8	12.6	0.26	1.21	0.16	37	0.19	0.081
RDU-B-051	Soil			1.18	22.44	17.05	57.6	72	30.8	10.6	382	2.41	45.8	1.0	9.7	7.4	12.3	0.20	1.06	0.23	37	0.18	0.075
RDU-B-052	Soil			2.91	80.65	27.95	110.1	91	50.4	29.8	1776	4.55	26.4	2.3	5.8	16.4	36.9	0.42	0.15	0.42	36	1.04	0.060
RDU-B-053	Soil			1.30	61.49	33.65	87.7	143	53.0	20.9	887	3.35	24.8	1.7	5.7	9.3	46.3	0.45	0.36	0.36	44	1.09	0.084
RDU-B-054	Soil			2.37	68.89	30.71	128.4	139	65.2	27.2	906	4.85	26.2	1.8	2.3	14.8	23.5	0.33	0.40	0.47	59	0.42	0.102
RDU-B-055	Soil			1.81	36.30	21.62	75.8	69	51.5	18.3	389	3.10	13.3	2.1	2.8	10.4	17.9	0.21	0.43	0.24	42	0.39	0.078
RDU-B-056	Soil			2.64	30.62	29.30	87.9	346	38.4	19.7	478	2.11	23.0	3.8	3.5	10.8	15.5	0.65	0.95	0.18	26	0.26	0.092

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 6 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		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	0.02	
RDU-B-027	Soil	24.6	44.7	1.30	84.0	0.005	1	2.32	0.004	0.03	<0.1	7.0	<0.02	<0.02	<5	0.5	<0.02	9.3	1.33	<0.1	0.03
RDU-B-028	Soil	37.1	44.4	1.11	98.2	0.005	<1	2.51	0.004	0.04	<0.1	4.3	0.03	<0.02	12	0.4	<0.02	8.3	1.34	<0.1	0.06
RDU-B-029	Soil	51.6	53.9	1.18	124.5	0.006	<1	2.37	0.004	0.04	<0.1	3.7	0.05	<0.02	14	0.5	<0.02	7.8	1.63	0.1	0.04
RDU-B-030	Soil	40.1	80.0	1.18	131.0	0.008	2	2.34	0.005	0.05	<0.1	6.7	0.03	<0.02	15	0.6	0.02	7.8	1.41	0.1	0.08
RDU-B-031	Soil	17.9	183.5	1.46	53.7	0.002	<1	1.65	0.004	0.03	<0.1	8.2	<0.02	<0.02	12	0.5	<0.02	5.5	2.19	<0.1	<0.02
RDU-B-032	Soil	29.3	66.2	0.89	100.5	0.004	<1	2.10	0.004	0.02	0.1	4.9	0.05	0.02	9	0.7	0.03	7.1	1.55	0.1	0.03
RDU-B-033	Soil	46.9	68.4	1.42	83.2	0.004	<1	2.77	0.004	0.04	<0.1	4.8	0.04	<0.02	6	0.5	<0.02	8.6	0.95	0.1	0.06
RDU-B-034	Soil	39.7	77.6	1.60	115.5	0.003	<1	2.58	0.005	0.04	<0.1	9.3	0.02	0.02	11	0.6	<0.02	10.1	1.98	0.1	0.04
RDU-B-035	Soil	36.6	38.0	0.93	98.4	0.002	1	1.52	0.004	0.07	<0.1	4.9	0.03	<0.02	<5	0.7	<0.02	5.5	5.04	0.1	0.05
RDU-B-036	Soil	50.6	59.0	1.09	110.5	0.004	1	2.22	0.005	0.04	<0.1	6.8	0.03	<0.02	18	0.5	0.02	7.1	1.60	0.1	0.04
RDU-B-037	Soil	16.2	90.8	0.86	41.4	0.004	1	1.72	0.004	0.04	0.2	2.2	0.04	0.02	18	0.9	<0.02	5.1	4.35	<0.1	0.03
RDU-B-038	Soil	31.3	80.2	0.42	188.5	<0.001	2	0.74	0.005	0.06	<0.1	5.0	0.05	<0.02	24	0.7	<0.02	2.7	6.22	0.1	0.06
RDU-B-039	Soil	40.9	8.0	0.07	252.4	<0.001	2	0.22	0.004	0.06	<0.1	2.4	0.03	<0.02	8	0.8	0.04	0.9	3.49	<0.1	0.06
RDU-B-040	Soil	15.4	30.9	0.21	219.8	0.005	3	0.65	0.008	0.08	0.4	2.5	0.17	0.07	49	5.1	0.11	1.9	3.44	<0.1	<0.02
RDU-B-041	Soil	22.2	44.0	0.53	319.9	0.033	2	0.94	0.007	0.06	0.3	4.1	0.09	<0.02	55	1.3	0.04	3.2	1.36	<0.1	<0.02
RDU-B-042	Soil	14.8	17.0	0.10	459.6	0.008	3	0.52	0.007	0.12	0.5	3.9	0.36	0.26	163	13.2	0.33	1.7	1.86	<0.1	<0.02
RDU-B-043	Soil	25.5	21.3	0.20	180.8	0.005	2	0.68	0.005	0.06	0.3	2.1	0.08	<0.02	38	0.6	0.02	2.0	2.33	<0.1	<0.02
RDU-B-044	Soil	32.7	62.3	0.79	246.7	0.032	3	1.24	0.007	0.12	0.2	4.0	0.11	<0.02	35	0.8	<0.02	4.4	3.42	<0.1	<0.02
RDU-B-045	Soil	24.1	47.7	0.75	132.7	0.015	2	1.37	0.004	0.08	0.2	2.9	0.11	<0.02	18	0.5	<0.02	5.0	2.33	<0.1	<0.02
RDU-B-046	Soil	28.4	34.8	0.40	235.5	0.027	2	0.88	0.005	0.13	0.2	2.3	0.10	<0.02	13	0.5	0.03	2.8	2.03	<0.1	<0.02
RDU-B-047	Soil	20.7	45.4	0.43	120.8	0.025	2	1.04	0.005	0.08	0.2	1.8	0.11	<0.02	18	0.6	<0.02	3.1	1.64	<0.1	<0.02
RDU-B-048	Soil	42.3	22.3	2.12	1165	0.316	1	4.24	0.006	2.23	<0.1	19.9	1.35	<0.02	15	1.0	<0.02	15.6	32.12	0.3	<0.02
RDU-B-049	Soil	25.6	26.7	0.28	187.1	0.008	2	0.82	0.004	0.18	0.2	1.9	0.14	<0.02	22	0.5	<0.02	2.2	8.61	<0.1	<0.02
RDU-B-050	Soil	24.1	33.4	0.48	114.4	0.028	2	1.11	0.005	0.08	0.2	2.4	0.10	<0.02	26	0.5	<0.02	3.3	1.65	<0.1	<0.02
RDU-B-051	Soil	30.3	35.1	0.49	147.3	0.036	1	1.06	0.004	0.08	0.2	2.5	0.09	<0.02	44	<0.1	0.03	3.3	1.23	<0.1	0.03
RDU-B-052	Soil	69.6	33.5	0.70	195.2	0.001	<1	1.46	0.004	0.05	<0.1	7.2	0.04	0.09	43	0.2	0.09	4.6	1.26	<0.1	0.09
RDU-B-053	Soil	52.1	45.7	0.97	179.1	0.005	1	1.56	0.004	0.05	<0.1	6.1	0.04	0.10	49	0.6	0.07	5.0	1.07	<0.1	0.12
RDU-B-054	Soil	58.4	58.8	1.18	198.8	0.006	<1	2.00	0.003	0.06	<0.1	7.2	0.03	0.03	27	0.2	0.07	6.7	1.99	<0.1	0.07
RDU-B-055	Soil	37.6	59.4	0.76	290.2	0.010	<1	1.39	0.004	0.08	0.1	4.1	0.09	<0.02	13	<0.1	0.06	4.4	1.45	<0.1	<0.02
RDU-B-056	Soil	45.3	33.4	0.40	317.2	0.004	<1	0.97	0.004	0.14	0.1	3.9	0.09	0.06	36	0.6	0.04	2.9	1.53	0.1	0.03

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 6 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	Unit	MDL	1F15 Nb	1F15 Rb	1F15 Sn	1F15 Ta	1F15 Zr	1F15 Y	1F15 Ce	1F15 In	1F15 Re	1F15 Be	1F15 Li	1F15 Pd	1F15 Pt
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
				0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
RDU-B-027	Soil			0.10	4.3	0.7	<0.05	1.7	13.81	118.8	0.02	<1	0.3	31.5	<10	<2
RDU-B-028	Soil			0.23	6.4	0.6	<0.05	2.0	12.61	76.3	0.02	<1	0.3	34.4	<10	<2
RDU-B-029	Soil			0.20	7.4	0.6	<0.05	1.7	14.74	112.6	0.03	<1	0.4	27.9	<10	<2
RDU-B-030	Soil			0.19	5.4	0.5	<0.05	3.6	16.34	83.0	0.03	<1	0.4	27.9	<10	<2
RDU-B-031	Soil			0.04	3.5	0.5	<0.05	0.5	12.48	41.1	0.04	<1	0.4	10.6	<10	3
RDU-B-032	Soil			0.29	5.0	0.9	<0.05	1.2	9.83	73.1	0.04	<1	0.4	26.2	<10	<2
RDU-B-033	Soil			0.15	5.5	0.3	<0.05	2.2	9.78	109.6	0.04	<1	0.5	37.7	<10	<2
RDU-B-034	Soil			0.05	3.8	0.8	<0.05	2.4	15.90	84.2	0.06	<1	0.5	40.2	<10	<2
RDU-B-035	Soil			0.06	5.5	0.5	<0.05	3.6	14.14	77.8	0.04	<1	0.5	14.6	<10	<2
RDU-B-036	Soil			0.21	6.2	0.8	<0.05	1.9	17.92	122.3	0.04	<1	0.5	29.2	<10	<2
RDU-B-037	Soil			0.17	5.0	0.8	<0.05	2.4	2.95	35.2	0.03	<1	0.4	28.3	<10	<2
RDU-B-038	Soil			0.09	7.4	1.1	<0.05	2.8	7.22	65.3	0.02	<1	0.3	8.7	<10	<2
RDU-B-039	Soil			0.04	4.3	0.3	<0.05	4.1	5.80	82.5	<0.02	<1	0.4	0.9	<10	<2
RDU-B-040	Soil			0.27	9.4	0.7	<0.05	0.3	8.75	32.3	0.04	2	0.5	5.9	<10	<2
RDU-B-041	Soil			0.46	7.0	0.8	<0.05	1.5	12.88	46.8	0.02	<1	0.5	10.2	<10	<2
RDU-B-042	Soil			0.15	10.4	0.5	<0.05	1.5	10.23	30.2	0.08	<1	0.4	3.0	19	4
RDU-B-043	Soil			0.25	9.2	0.5	<0.05	0.4	4.46	53.1	0.03	<1	0.4	6.0	<10	<2
RDU-B-044	Soil			0.68	12.7	0.9	<0.05	1.1	12.56	68.5	0.02	<1	0.6	17.4	<10	<2
RDU-B-045	Soil			0.27	10.9	0.5	<0.05	0.1	6.83	49.6	0.02	<1	0.4	13.0	<10	<2
RDU-B-046	Soil			0.32	9.7	0.5	<0.05	0.4	8.98	60.8	<0.02	<1	0.4	10.4	<10	<2
RDU-B-047	Soil			0.62	9.5	0.5	<0.05	0.4	6.03	43.1	<0.02	1	0.4	11.8	<10	<2
RDU-B-048	Soil			0.30	170.8	0.9	<0.05	0.8	51.52	95.0	0.09	<1	0.8	40.9	<10	<2
RDU-B-049	Soil			0.20	12.0	0.7	<0.05	0.2	9.00	56.5	<0.02	<1	0.2	9.4	<10	<2
RDU-B-050	Soil			0.57	8.4	1.2	<0.05	0.7	7.25	50.8	<0.02	<1	0.3	13.2	<10	<2
RDU-B-051	Soil			0.51	7.6	0.5	<0.05	1.0	10.62	59.3	0.03	<1	0.5	13.0	<10	<2
RDU-B-052	Soil			0.10	4.4	0.7	<0.05	4.0	30.75	114.1	0.05	<1	0.6	17.5	<10	<2
RDU-B-053	Soil			0.30	4.7	0.6	<0.05	5.0	27.21	87.1	0.03	<1	0.8	18.3	<10	<2
RDU-B-054	Soil			0.28	5.4	1.1	<0.05	4.5	24.13	113.2	0.05	<1	0.5	24.2	<10	<2
RDU-B-055	Soil			0.21	6.5	0.5	<0.05	1.3	10.71	79.3	0.02	<1	0.4	16.6	<10	<2
RDU-B-056	Soil			0.19	9.6	0.7	<0.05	1.1	18.02	80.4	0.02	<1	0.4	11.0	<10	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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 7 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				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
RDU-B-057	Soil			1.93	64.85	15.77	110.6	159	58.7	18.2	957	3.24	12.2	1.1	4.1	10.0	23.9	0.54	1.05	0.32	53	0.36	0.090
RDU-B-058	Soil			1.38	49.27	13.84	81.9	146	43.8	14.1	725	2.79	10.3	1.0	4.0	6.5	22.1	0.32	0.88	0.29	47	0.34	0.092
RDU-BDX-001	Soil			1.64	26.62	14.78	74.8	27	47.6	21.2	835	4.18	11.9	0.7	1.6	6.7	10.9	0.08	0.44	0.33	56	0.23	0.052
RDU-C-001	Soil			1.83	14.37	34.86	46.7	88	21.1	8.4	358	1.98	55.5	0.9	1.9	3.3	9.6	0.24	0.67	0.32	19	0.14	0.070
RDU-C-002	Soil			1.63	28.25	21.37	74.1	362	44.8	14.1	520	2.95	74.6	1.7	3.4	7.9	27.8	0.33	1.14	0.30	30	0.53	0.105
RDU-C-003	Soil			1.93	28.05	22.58	87.3	213	35.1	9.2	325	2.40	32.5	1.1	4.0	6.4	20.9	0.27	0.99	0.30	34	0.41	0.075
RDU-C-004	Soil			1.10	10.25	14.32	34.1	99	18.4	8.5	293	2.08	26.9	1.6	2.5	5.7	16.8	0.07	0.55	0.25	31	0.35	0.064
RDU-C-005	Soil			1.65	32.23	15.59	89.0	417	40.8	13.9	466	2.59	19.2	1.2	3.6	7.2	16.6	0.39	3.96	0.26	40	0.23	0.095
RDU-C-006	Soil			1.32	11.73	31.64	101.1	74	10.5	6.5	526	1.67	62.5	1.1	4.6	7.1	12.8	0.80	0.25	0.31	12	0.26	0.084
RDU-C-007	Soil			1.94	18.71	29.44	151.9	116	14.2	14.9	831	3.63	72.0	1.8	7.3	4.3	16.6	1.05	0.33	0.28	21	0.30	0.126
RDU-C-008	Soil			0.80	8.44	14.73	27.3	165	5.1	2.8	122	1.17	12.2	1.3	1.9	0.3	10.0	0.07	0.16	0.22	22	0.19	0.073
RDU-C-009	Soil			1.01	31.57	23.56	91.0	18	51.9	19.6	660	4.71	17.9	0.9	1.8	8.9	12.1	0.07	1.39	0.34	37	0.15	0.072
RDU-C-010	Soil			1.08	43.34	30.17	88.5	26	53.4	22.4	819	4.23	17.5	1.3	4.7	8.8	11.8	0.09	0.84	0.32	38	0.17	0.076
RDU-C-011	Soil			1.29	33.11	17.73	87.1	63	47.6	19.6	718	3.64	21.6	1.2	3.9	5.2	12.5	0.17	0.94	0.29	38	0.19	0.082
RDU-C-012	Soil			1.20	29.25	15.68	70.7	94	33.3	11.4	578	3.09	326.7	1.5	23.5	1.2	8.7	0.21	1.33	0.28	29	0.08	0.066
RDU-C-013	Soil			17.44	108.4	53.13	76.2	1094	37.6	12.1	514	4.92	264.0	4.0	50.4	4.7	67.5	0.23	6.70	0.44	38	0.06	0.128
RDU-C-014	Soil			2.37	59.06	22.74	103.4	120	82.4	25.4	743	5.16	380.9	1.5	29.7	7.2	7.0	0.30	3.05	0.36	36	0.03	0.066
RDU-C-015	Soil			0.76	93.39	44.35	78.6	805	170.2	64.0	2318	9.99	661.0	1.4	99.4	3.8	18.1	0.18	4.54	0.31	14	0.38	0.171
RDU-C-016	Soil			1.79	72.99	31.01	108.7	874	45.3	22.1	756	4.57	1661	0.9	73.4	4.4	17.7	0.38	1.72	0.65	13	0.14	0.067
RDU-C-017	Soil			2.33	13.51	13.98	76.1	43	28.2	18.1	1013	4.16	23.1	0.8	8.3	9.4	14.7	0.13	0.23	0.46	26	0.29	0.051
RDU-C-018	Soil			2.03	20.83	19.60	885.9	178	25.8	12.3	684	3.13	52.9	2.3	4.9	9.2	13.3	12.56	0.64	0.44	18	0.29	0.124
RDU-C-019	Soil			1.75	8.55	19.40	50.4	99	8.5	6.5	309	2.52	123.0	1.4	4.3	4.3	10.5	0.34	0.30	0.37	21	0.23	0.112
RDU-C-020	Soil			2.52	16.26	11.98	65.1	14	13.9	21.0	1212	5.75	27.3	2.6	1.1	4.6	5.3	0.25	0.23	0.27	21	0.13	0.095
RDU-C-021	Soil			3.75	20.12	37.90	538.4	204	19.6	15.0	1650	3.84	164.5	3.4	30.8	16.5	11.7	16.02	1.02	1.25	8	0.23	0.100
RDU-C-022	Soil			2.14	14.76	22.46	167.5	65	33.2	27.5	1158	5.61	82.9	1.2	4.5	1.2	8.5	1.51	0.47	0.42	16	0.21	0.149
RDU-C-023	Soil			1.41	13.92	35.29	137.1	135	14.1	10.6	757	2.44	80.3	1.7	6.7	5.9	17.5	0.84	0.31	0.34	20	0.34	0.096
RDU-C-024	Soil			2.27	16.67	33.51	132.5	344	20.4	12.3	636	3.09	85.4	2.4	427.0	8.0	17.4	0.43	0.43	0.51	34	0.26	0.083
RDU-C-025	Soil			5.61	21.50	50.36	39.2	91	31.6	7.1	155	1.18	55.9	2.5	6.0	13.8	9.3	0.12	0.41	0.47	8	0.11	0.051
RDU-C-026	Soil			1.73	15.34	37.90	15.0	94	4.6	3.5	99	1.09	34.9	2.4	5.6	2.8	16.1	0.09	0.37	0.71	6	0.07	0.062
RDU-C-027	Soil			1.71	16.80	33.94	62.4	54	24.2	7.6	199	2.24	29.5	0.8	2.4	4.8	12.6	0.22	0.81	0.24	37	0.18	0.070

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 7 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		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	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	
RDU-B-057	Soil	34.0	52.4	0.81	237.8	0.056	2	1.63	0.010	0.15	0.2	5.0	0.11	<0.02	58	<0.1	0.09	4.8	1.39	<0.1	0.11
RDU-B-058	Soil	31.8	39.2	0.60	217.4	0.055	<1	1.21	0.010	0.09	0.2	3.9	0.08	<0.02	34	0.1	0.03	3.8	1.18	<0.1	<0.02
RDU-BDX-001	Soil	30.5	63.9	0.88	105.1	0.019	<1	1.78	0.003	0.04	0.2	3.6	0.06	<0.02	11	<0.1	0.07	6.1	2.05	<0.1	<0.02
RDU-C-001	Soil	22.4	22.3	0.21	115.5	0.006	<1	0.70	0.004	0.09	0.3	0.8	0.09	<0.02	14	0.2	<0.02	2.3	1.57	<0.1	<0.02
RDU-C-002	Soil	29.8	40.5	0.47	189.2	0.022	<1	0.99	0.007	0.13	0.4	2.7	0.10	<0.02	59	0.3	0.03	2.9	1.86	<0.1	<0.02
RDU-C-003	Soil	25.1	33.2	0.42	425.0	0.013	<1	1.19	0.005	0.13	0.3	2.8	0.13	<0.02	94	<0.1	0.03	3.1	1.45	<0.1	<0.02
RDU-C-004	Soil	24.5	25.3	0.36	229.5	0.034	<1	1.03	0.004	0.18	0.4	1.8	0.15	<0.02	18	<0.1	0.03	3.2	2.22	<0.1	<0.02
RDU-C-005	Soil	25.0	39.3	0.53	213.5	0.018	<1	1.30	0.004	0.08	0.4	2.6	0.18	<0.02	80	0.4	0.04	3.3	1.03	<0.1	0.04
RDU-C-006	Soil	33.7	9.3	0.13	137.1	0.003	<1	0.65	0.004	0.21	<0.1	1.3	0.09	<0.02	12	<0.1	<0.02	1.5	2.47	<0.1	<0.02
RDU-C-007	Soil	20.9	10.8	0.21	156.6	0.005	<1	0.77	0.004	0.19	<0.1	3.0	0.09	<0.02	15	<0.1	0.02	2.0	3.30	<0.1	<0.02
RDU-C-008	Soil	19.4	6.7	0.11	102.4	0.006	<1	0.75	0.012	0.12	0.1	0.4	0.11	0.04	26	<0.1	0.04	2.7	4.35	<0.1	<0.02
RDU-C-009	Soil	48.9	68.7	0.86	54.9	0.039	<1	1.84	0.003	0.04	0.2	2.3	0.07	<0.02	16	<0.1	0.04	5.8	2.63	<0.1	<0.02
RDU-C-010	Soil	55.1	66.4	0.85	77.3	0.045	<1	1.91	0.004	0.04	0.2	2.5	0.07	<0.02	22	0.2	0.05	5.7	2.46	<0.1	<0.02
RDU-C-011	Soil	35.7	48.5	0.67	76.6	0.036	<1	1.75	0.005	0.06	0.3	2.3	0.07	<0.02	25	0.2	0.07	4.9	2.12	<0.1	<0.02
RDU-C-012	Soil	33.4	33.9	0.40	85.9	0.012	<1	1.31	0.005	0.04	0.2	1.1	0.10	0.03	26	0.2	0.02	4.0	2.42	<0.1	<0.02
RDU-C-013	Soil	30.9	24.7	0.26	138.5	0.009	<1	0.98	0.005	0.07	0.3	2.4	0.16	0.06	56	2.1	0.28	2.9	2.90	<0.1	<0.02
RDU-C-014	Soil	38.9	70.1	0.48	132.5	0.016	<1	1.50	0.003	0.06	0.4	3.9	0.12	<0.02	34	0.2	0.07	4.3	3.11	<0.1	<0.02
RDU-C-015	Soil	16.4	31.6	0.21	116.4	0.004	<1	0.73	0.007	0.07	0.9	5.6	0.06	0.05	46	0.4	0.02	2.0	3.01	<0.1	<0.02
RDU-C-016	Soil	18.9	22.4	0.13	155.6	0.004	<1	0.60	0.004	0.08	0.3	1.7	0.09	0.05	27	0.8	0.10	2.1	4.52	<0.1	<0.02
RDU-C-017	Soil	40.8	25.9	0.48	177.1	0.003	<1	1.58	0.004	0.05	0.1	2.1	0.09	<0.02	12	0.2	0.03	6.1	3.31	<0.1	<0.02
RDU-C-018	Soil	29.9	19.0	0.23	109.1	0.009	<1	0.61	0.003	0.17	0.2	2.8	0.08	<0.02	112	0.2	0.03	1.5	1.91	<0.1	0.03
RDU-C-019	Soil	26.3	13.2	0.22	105.4	0.003	<1	1.03	0.003	0.12	0.2	1.5	0.15	<0.02	25	0.2	0.03	2.5	2.13	<0.1	0.02
RDU-C-020	Soil	17.9	7.1	0.04	88.1	0.001	<1	0.88	0.002	0.13	0.2	3.4	0.24	<0.02	7	<0.1	0.02	1.8	4.49	<0.1	0.16
RDU-C-021	Soil	40.0	4.5	0.04	165.0	0.001	<1	0.35	0.003	0.27	0.2	3.3	0.19	<0.02	18	0.3	0.05	1.0	6.38	<0.1	0.15
RDU-C-022	Soil	9.7	7.4	0.15	66.4	0.005	<1	0.78	0.003	0.11	0.1	2.1	0.10	0.03	18	0.4	<0.02	2.0	2.08	<0.1	<0.02
RDU-C-023	Soil	22.3	14.0	0.36	134.3	0.005	1	1.04	0.017	0.15	0.1	2.5	0.10	<0.02	16	0.4	0.03	2.7	3.09	<0.1	<0.02
RDU-C-024	Soil	34.8	22.7	0.43	201.3	0.007	<1	1.43	0.005	0.21	0.3	2.7	0.18	0.03	33	0.4	<0.02	4.1	8.13	<0.1	0.03
RDU-C-025	Soil	43.0	9.2	0.06	146.2	0.002	<1	0.55	0.004	0.25	0.1	0.8	0.16	<0.02	28	0.2	<0.02	1.1	8.28	<0.1	<0.02
RDU-C-026	Soil	20.0	4.5	0.04	60.5	0.002	<1	0.43	0.003	0.21	0.1	0.4	0.17	0.06	27	<0.1	<0.02	1.1	4.79	<0.1	<0.02
RDU-C-027	Soil	28.7	26.0	0.38	80.2	0.031	<1	1.11	0.005	0.10	0.3	1.6	0.12	0.03	32	0.4	0.04	3.7	2.75	<0.1	<0.02

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 7 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	Unit	MDL	1F15 Nb	1F15 Rb	1F15 Sn	1F15 Ta	1F15 Zr	1F15 Y	1F15 Ce	1F15 In	1F15 Re	1F15 Be	1F15 Li	1F15 Pd	1F15 Pt
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
				0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
RDU-B-057	Soil			0.21	9.3	1.0	<0.05	6.5	13.05	61.7	0.03	<1	0.9	20.6	<10	2
RDU-B-058	Soil			0.39	7.1	1.6	<0.05	1.1	12.56	56.9	0.02	<1	0.3	13.6	<10	<2
RDU-BDX-001	Soil			0.40	7.1	0.8	<0.05	0.5	7.08	61.3	<0.02	<1	0.4	21.7	<10	<2
RDU-C-001	Soil			0.25	11.1	1.3	<0.05	0.5	5.98	44.4	<0.02	<1	0.3	12.1	<10	<2
RDU-C-002	Soil			0.55	12.3	1.0	<0.05	1.8	14.95	55.5	0.02	<1	0.6	18.4	<10	<2
RDU-C-003	Soil			0.38	12.9	2.0	<0.05	0.7	12.50	47.6	<0.02	<1	0.8	20.8	<10	<2
RDU-C-004	Soil			0.50	24.7	0.4	<0.05	0.9	8.46	50.2	<0.02	<1	0.8	19.6	<10	<2
RDU-C-005	Soil			0.42	9.0	0.6	<0.05	2.0	8.28	49.5	<0.02	<1	0.5	17.6	<10	<2
RDU-C-006	Soil			0.13	11.4	0.5	<0.05	0.3	13.32	63.0	<0.02	<1	0.5	13.4	<10	<2
RDU-C-007	Soil			0.13	13.0	0.9	<0.05	0.4	17.72	37.2	0.04	<1	0.6	19.1	<10	<2
RDU-C-008	Soil			0.11	17.2	0.7	<0.05	0.2	7.75	30.1	<0.02	<1	0.6	7.9	<10	<2
RDU-C-009	Soil			0.98	7.2	0.5	<0.05	1.5	4.41	91.8	<0.02	<1	0.2	32.4	<10	<2
RDU-C-010	Soil			0.77	6.9	0.8	<0.05	1.1	6.30	106.2	0.03	<1	0.5	31.9	<10	<2
RDU-C-011	Soil			0.57	8.0	0.5	<0.05	0.7	5.60	66.6	0.03	<1	0.6	29.1	<10	<2
RDU-C-012	Soil			0.21	8.0	1.0	<0.05	0.5	4.34	60.4	<0.02	<1	0.4	17.0	<10	<2
RDU-C-013	Soil			0.26	9.6	0.4	<0.05	0.8	7.28	54.6	0.02	<1	0.4	12.7	<10	3
RDU-C-014	Soil			0.49	11.1	0.8	<0.05	0.8	8.75	73.7	0.03	<1	0.7	19.4	<10	2
RDU-C-015	Soil			0.09	7.2	0.8	<0.05	1.0	12.61	29.8	0.04	<1	0.4	10.8	18	<2
RDU-C-016	Soil			0.13	10.4	1.0	<0.05	0.4	3.67	35.1	0.02	<1	0.3	6.2	<10	2
RDU-C-017	Soil			0.26	7.5	0.9	<0.05	0.8	3.20	79.4	0.02	<1	0.3	20.5	<10	<2
RDU-C-018	Soil			0.23	10.2	0.8	<0.05	1.7	18.27	57.5	0.04	<1	0.7	10.3	<10	<2
RDU-C-019	Soil			0.19	14.5	0.4	<0.05	0.7	9.77	51.1	0.03	<1	0.4	16.0	<10	<2
RDU-C-020	Soil			0.12	11.8	0.5	<0.05	2.3	9.63	35.1	0.03	<1	0.8	6.4	<10	<2
RDU-C-021	Soil			0.08	14.8	0.6	<0.05	9.7	30.78	65.5	0.03	<1	1.9	5.7	<10	<2
RDU-C-022	Soil			0.12	9.8	0.6	<0.05	0.2	9.79	22.3	0.03	<1	0.6	11.9	<10	<2
RDU-C-023	Soil			0.14	14.6	0.6	<0.05	0.7	13.24	41.0	0.03	<1	0.7	32.1	<10	<2
RDU-C-024	Soil			0.44	25.9	1.1	<0.05	1.1	14.63	58.6	0.02	<1	0.8	28.3	<10	<2
RDU-C-025	Soil			0.32	20.7	0.6	<0.05	0.6	10.11	81.2	<0.02	<1	0.6	10.1	<10	<2
RDU-C-026	Soil			0.40	18.8	1.0	<0.05	0.6	5.10	38.9	<0.02	<1	0.3	4.6	<10	<2
RDU-C-027	Soil			0.79	11.1	0.5	<0.05	0.6	6.18	54.8	<0.02	<1	0.7	14.3	<10	<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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 8 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				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
RDU-C-028	Soil			1.61	24.99	15.36	106.2	256	20.0	18.3	1075	4.41	31.8	0.9	5.9	0.7	12.0	0.66	0.42	0.13	135	0.23	0.200
RDU-C-029	Soil			1.40	17.49	5.22	39.8	66	16.8	25.2	1147	5.29	48.1	1.0	2.6	1.8	19.4	0.16	0.17	0.15	6	0.82	0.109
RDU-C-030	Soil			1.58	11.49	20.72	110.3	47	13.1	21.9	1677	5.60	14.7	2.3	2.7	3.6	28.2	0.30	0.33	0.16	139	0.59	0.116
RDU-C-031	Soil			2.13	18.95	57.83	273.2	162	13.6	13.8	861	4.01	239.8	1.3	9.2	8.8	26.2	1.12	0.59	0.12	14	0.43	0.130
RDU-C-032	Soil			1.56	12.06	6.44	31.0	49	16.8	22.0	1825	6.00	7.4	0.7	0.9	5.1	35.6	0.14	0.12	0.04	15	1.60	0.164
RDU-C-033	Soil			4.58	35.64	43.40	413.1	312	49.3	11.5	262	3.46	58.6	2.3	2.1	3.5	8.0	0.54	0.50	0.43	13	0.13	0.096
RDU-C-034	Soil			4.66	31.14	28.67	145.6	385	41.9	9.8	537	3.27	28.6	2.0	1.6	0.6	9.3	0.34	0.47	0.30	25	0.04	0.128
RDU-C-035	Soil			2.95	30.38	29.91	118.0	336	48.2	13.4	1068	4.21	2.8	2.2	1.2	7.2	17.6	0.59	0.22	0.29	11	0.30	0.083
RDU-C-036	Soil			1.50	25.60	37.79	71.5	59	27.3	12.4	733	3.21	9.1	0.8	2.1	1.4	9.3	0.12	0.71	0.32	38	0.10	0.059
RDU-C-037	Soil			1.67	27.61	14.68	78.5	44	31.0	12.2	617	3.83	3.1	1.1	2.5	3.0	17.1	0.09	0.37	0.22	21	0.03	0.090
RDU-C-038	Soil			1.58	12.85	17.40	73.4	85	17.9	5.7	283	2.11	9.4	0.8	3.0	0.3	11.3	0.50	0.63	0.18	33	0.13	0.081
RDU-C-039	Soil			3.04	28.08	25.99	188.2	189	43.5	20.5	827	4.19	14.0	2.2	2.1	5.3	32.2	0.70	0.45	0.21	90	0.32	0.131
RDU-C-040	Soil			2.56	30.66	16.83	155.3	239	41.6	10.4	387	3.28	18.6	1.6	2.7	7.4	27.6	0.45	0.47	0.23	46	0.25	0.109
RDU-C-041	Soil			1.11	25.41	10.34	113.1	45	49.5	19.9	888	5.01	8.2	1.3	1.1	9.6	5.9	0.04	0.14	0.33	18	0.03	0.044
RDU-C-042	Soil			1.03	23.29	17.25	89.2	35	32.8	14.1	688	3.64	8.7	1.0	1.4	5.3	7.0	0.14	0.44	0.29	31	0.07	0.039
RDU-C-043	Soil			1.18	29.27	24.15	101.8	93	46.4	20.3	759	3.80	7.8	1.1	2.0	6.7	8.3	0.14	0.46	0.28	29	0.12	0.063
RDU-C-044	Soil			0.90	24.51	16.91	90.9	46	34.3	14.6	608	3.62	7.7	0.8	1.2	6.4	8.5	0.12	0.44	0.25	35	0.13	0.055
RDU-C-045	Soil			1.33	23.77	21.54	85.9	54	30.5	16.7	675	3.88	14.2	0.9	1.5	3.9	7.3	0.14	0.52	0.30	48	0.10	0.057
RDU-C-046	Soil			1.07	33.58	18.68	97.0	178	32.0	14.1	553	3.23	18.9	1.8	1.8	6.4	36.1	0.24	0.36	0.24	38	0.72	0.091
RDU-C-047	Soil			1.08	22.38	12.37	84.8	78	35.3	15.3	655	3.84	11.5	0.9	1.2	7.4	13.4	0.17	0.26	0.14	30	0.25	0.082
RDU-C-048	Soil			1.30	21.63	28.45	74.1	80	29.8	15.4	732	3.47	16.2	1.0	1.6	4.5	7.5	0.18	0.47	0.34	43	0.10	0.058
RDU-C-049	Soil			0.99	47.98	12.97	114.4	216	54.1	23.1	1149	4.35	19.0	0.8	2.2	12.2	11.8	0.40	0.36	0.30	29	0.26	0.066
RDU-C-050	Soil			1.68	70.31	9.93	101.9	133	61.4	50.2	1917	9.44	50.9	0.4	0.9	4.7	24.6	0.27	0.27	0.09	80	0.69	0.211
RDU-C-051	Soil			2.11	49.19	7.46	85.5	167	75.1	29.6	1251	5.55	9.1	0.7	3.2	4.7	31.7	0.32	0.47	0.13	76	0.81	0.197
RDU-C-052	Soil			2.51	27.30	22.67	149.3	179	25.7	12.5	294	4.21	12.4	2.0	1.4	9.3	20.7	0.64	0.38	0.20	71	0.38	0.140
RDU-C-053	Soil			0.92	18.86	6.50	57.4	161	1288	51.3	785	3.80	471.5	0.6	6.4	1.8	18.0	0.26	7.91	0.09	39	0.25	0.043
RDU-C-054	Soil			0.62	14.35	4.02	37.9	71	1161	41.4	479	2.76	5.3	0.4	4.3	2.2	9.3	0.14	0.51	0.07	33	0.19	0.023
RDU-C-055	Soil			0.74	33.11	5.99	69.1	170	893.5	43.8	1061	4.83	89.4	0.5	7.1	0.6	30.5	0.38	10.35	0.09	68	0.71	0.090
RDU-C-056	Soil			1.04	25.50	13.09	50.2	339	433.8	33.4	800	3.77	200.2	0.9	8.4	1.6	10.1	0.23	6.62	0.17	38	0.15	0.109
RDU-C-057	Soil			0.44	19.28	21.68	62.8	1483	2478	120.2	1283	6.77	540.7	0.2	41.6	0.5	11.7	0.52	11.19	0.05	43	0.17	0.046

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 8 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	Unit	MDL	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15		
				La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
				ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
				0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02		
RDU-C-028	Soil			9.1	29.7	0.88	91.4	0.004	<1	1.87	0.005	0.06	0.1	4.6	0.06	0.15	89	0.4	0.02	7.8	2.90	<0.1	<0.02
RDU-C-029	Soil			13.4	5.0	0.10	55.0	0.002	<1	0.26	0.003	0.13	<0.1	4.2	0.08	<0.02	24	0.6	<0.02	0.7	1.34	0.1	0.08
RDU-C-030	Soil			22.8	20.4	1.41	122.8	0.067	1	2.43	0.004	0.18	<0.1	9.7	0.25	0.04	23	0.6	<0.02	9.9	8.41	<0.1	<0.02
RDU-C-031	Soil			28.8	8.4	0.24	119.3	0.002	<1	0.68	0.004	0.14	<0.1	3.0	0.12	0.05	25	0.9	0.02	1.9	4.33	<0.1	0.02
RDU-C-032	Soil			16.1	5.2	0.43	75.5	0.002	<1	0.60	0.004	0.09	<0.1	3.3	0.04	0.10	10	0.6	<0.02	1.6	2.41	<0.1	<0.02
RDU-C-033	Soil			42.8	18.3	0.25	35.9	0.001	<1	0.70	0.003	0.05	<0.1	0.6	0.05	0.03	34	1.3	0.07	1.8	1.92	0.1	0.04
RDU-C-034	Soil			32.5	22.5	0.17	55.1	0.002	<1	0.74	0.005	0.05	0.2	0.3	0.08	0.09	63	1.1	0.06	2.8	1.95	0.1	<0.02
RDU-C-035	Soil			42.7	13.8	0.21	57.8	0.001	<1	0.53	0.003	0.06	<0.1	1.9	0.04	0.02	37	1.1	0.02	1.5	0.95	<0.1	0.09
RDU-C-036	Soil			26.8	26.4	0.56	79.7	0.013	<1	1.58	0.005	0.05	0.2	1.2	0.07	0.04	45	0.6	<0.02	5.0	1.57	0.1	<0.02
RDU-C-037	Soil			38.5	33.9	0.69	41.8	0.003	<1	1.85	0.005	0.04	<0.1	0.9	0.04	0.06	37	0.6	0.02	5.8	2.32	0.1	0.06
RDU-C-038	Soil			17.9	20.4	0.28	97.7	0.009	<1	1.01	0.006	0.12	0.2	0.5	0.10	0.04	46	0.5	<0.02	3.4	1.70	<0.1	<0.02
RDU-C-039	Soil			30.0	32.7	1.00	124.0	0.018	<1	1.96	0.007	0.07	0.1	7.0	0.05	<0.02	14	0.6	<0.02	6.6	1.81	<0.1	0.02
RDU-C-040	Soil			35.3	20.4	0.61	112.3	0.012	<1	1.25	0.006	0.07	0.2	3.6	0.07	0.03	14	0.8	0.04	3.8	2.55	<0.1	0.04
RDU-C-041	Soil			50.2	40.4	0.94	55.3	0.002	<1	2.22	0.003	0.06	<0.1	1.8	0.04	0.02	10	0.5	0.02	6.7	3.16	0.1	0.14
RDU-C-042	Soil			35.2	33.0	0.78	66.3	0.022	<1	1.91	0.004	0.04	0.3	1.9	0.07	<0.02	14	0.4	<0.02	5.6	1.23	<0.1	<0.02
RDU-C-043	Soil			35.2	33.8	0.80	72.1	0.017	<1	2.02	0.005	0.05	0.2	2.2	0.07	<0.02	29	0.6	<0.02	6.2	1.52	<0.1	0.03
RDU-C-044	Soil			33.9	31.5	0.79	67.6	0.020	<1	1.87	0.004	0.04	0.2	2.4	0.05	<0.02	9	0.4	<0.02	5.6	1.78	0.1	<0.02
RDU-C-045	Soil			21.0	38.3	0.92	70.5	0.028	<1	2.08	0.005	0.05	0.4	2.8	0.07	<0.02	29	0.5	0.04	6.4	1.65	<0.1	<0.02
RDU-C-046	Soil			45.8	33.2	1.13	104.3	0.014	<1	1.85	0.006	0.05	0.2	3.8	0.04	0.05	29	0.8	<0.02	6.0	1.18	0.1	0.06
RDU-C-047	Soil			54.1	27.6	0.89	82.4	0.012	<1	1.56	0.004	0.04	0.1	2.9	0.04	<0.02	20	0.6	<0.02	4.7	0.89	<0.1	<0.02
RDU-C-048	Soil			30.8	36.6	0.92	81.4	0.019	<1	1.88	0.005	0.05	0.5	3.1	0.08	0.02	39	0.5	0.03	5.7	1.92	<0.1	<0.02
RDU-C-049	Soil			44.6	37.2	1.08	168.8	0.007	<1	2.14	0.004	0.05	<0.1	3.4	0.03	<0.02	19	0.5	<0.02	6.0	1.75	0.1	0.15
RDU-C-050	Soil			54.7	7.8	2.05	48.7	0.006	<1	3.67	0.005	0.02	<0.1	7.2	<0.02	<0.02	23	0.8	<0.02	11.6	0.42	0.2	0.03
RDU-C-051	Soil			34.7	104.0	1.40	107.9	0.014	1	2.42	0.008	0.04	0.1	8.2	0.04	0.04	29	0.8	<0.02	7.9	0.74	<0.1	0.03
RDU-C-052	Soil			35.2	16.2	0.71	142.9	0.010	1	1.61	0.004	0.10	<0.1	5.8	0.08	0.04	18	1.1	0.04	6.0	2.78	0.1	0.07
RDU-C-053	Soil			9.0	847.2	8.59	148.5	0.013	14	0.78	0.008	0.05	0.3	6.3	0.23	0.04	68	0.6	0.03	2.2	4.97	<0.1	0.03
RDU-C-054	Soil			7.7	890.3	11.05	62.4	0.023	51	0.73	0.012	0.04	0.4	5.8	0.04	0.02	12	0.5	0.04	2.0	1.82	<0.1	0.02
RDU-C-055	Soil			6.9	476.9	2.37	181.0	0.008	5	1.19	0.007	0.05	0.7	7.0	0.11	0.08	50	0.6	<0.02	3.5	6.77	<0.1	<0.02
RDU-C-056	Soil			8.6	564.6	2.76	196.5	0.005	5	0.87	0.006	0.07	0.5	6.1	0.10	0.07	37	0.6	0.03	2.4	3.72	<0.1	0.05
RDU-C-057	Soil			2.4	1607	11.87	130.1	0.004	44	0.71	0.003	0.03	0.6	13.8	0.08	0.03	63	0.4	<0.02	1.4	3.19	0.2	<0.02

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 8 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	
RDU-C-028	Soil	0.28	9.7	1.4	<0.05	0.4	6.92	21.5	0.05	<1	0.4	22.0	<10	<2
RDU-C-029	Soil	0.09	11.8	0.3	<0.05	0.8	13.64	31.3	<0.02	1	0.3	3.2	<10	<2
RDU-C-030	Soil	1.31	27.2	1.0	<0.05	1.2	13.63	69.5	0.05	<1	0.6	37.2	<10	<2
RDU-C-031	Soil	0.13	10.5	0.7	<0.05	1.1	14.19	61.6	0.03	<1	0.3	5.7	<10	<2
RDU-C-032	Soil	0.06	5.6	0.9	<0.05	0.8	12.30	35.8	<0.02	<1	0.1	4.2	<10	<2
RDU-C-033	Soil	0.05	4.6	1.3	<0.05	1.8	6.98	90.6	<0.02	<1	0.2	8.3	<10	2
RDU-C-034	Soil	0.07	6.1	4.0	<0.05	0.5	5.08	70.2	<0.02	<1	0.1	4.1	<10	<2
RDU-C-035	Soil	0.05	4.1	1.0	<0.05	4.7	14.81	83.9	<0.02	1	0.2	3.8	<10	<2
RDU-C-036	Soil	0.38	6.6	0.8	<0.05	0.4	4.52	67.6	<0.02	<1	0.3	19.8	<10	<2
RDU-C-037	Soil	0.19	6.1	1.1	<0.05	2.6	4.19	89.3	<0.02	<1	0.2	24.8	<10	<2
RDU-C-038	Soil	0.27	11.5	1.0	<0.05	0.1	4.88	38.8	<0.02	2	0.3	10.2	<10	<2
RDU-C-039	Soil	0.22	5.7	0.6	<0.05	1.5	14.28	66.5	0.03	<1	0.4	22.9	<10	2
RDU-C-040	Soil	0.25	5.2	0.6	<0.05	2.8	11.74	71.7	0.03	<1	0.2	12.6	<10	<2
RDU-C-041	Soil	0.14	7.7	0.4	<0.05	4.4	7.40	123.5	<0.02	<1	0.3	28.3	<10	<2
RDU-C-042	Soil	0.42	6.8	0.6	<0.05	0.8	7.31	84.8	<0.02	<1	0.3	27.8	<10	<2
RDU-C-043	Soil	0.41	7.7	0.6	<0.05	1.3	10.17	113.9	0.02	<1	0.2	28.7	<10	<2
RDU-C-044	Soil	0.49	5.7	0.6	<0.05	1.3	9.99	83.4	<0.02	<1	0.3	21.5	<10	<2
RDU-C-045	Soil	0.58	7.9	0.6	<0.05	0.4	6.59	57.5	0.03	<1	0.3	23.7	<10	<2
RDU-C-046	Soil	0.52	6.0	1.1	<0.05	3.0	18.85	70.1	0.04	<1	0.5	19.8	<10	<2
RDU-C-047	Soil	0.24	5.2	0.5	<0.05	0.8	18.91	109.1	<0.02	<1	0.4	15.5	<10	<2
RDU-C-048	Soil	0.49	9.1	1.0	<0.05	0.6	9.23	118.1	0.03	<1	0.3	22.9	<10	<2
RDU-C-049	Soil	0.25	4.6	0.6	<0.05	10.4	12.13	94.6	<0.02	1	0.5	26.0	<10	<2
RDU-C-050	Soil	0.08	1.5	0.7	<0.05	1.4	21.54	114.4	0.07	<1	0.3	37.5	<10	<2
RDU-C-051	Soil	0.42	4.3	0.4	<0.05	1.7	14.54	79.0	0.04	<1	0.3	26.2	<10	<2
RDU-C-052	Soil	0.66	10.7	0.6	<0.05	4.0	16.78	81.6	0.03	<1	0.5	21.7	<10	<2
RDU-C-053	Soil	0.26	5.7	0.4	<0.05	1.0	4.54	18.7	<0.02	1	0.6	22.7	<10	3
RDU-C-054	Soil	0.24	4.1	0.4	<0.05	1.2	3.51	16.1	<0.02	1	<0.1	7.1	<10	7
RDU-C-055	Soil	0.35	6.5	0.7	<0.05	0.7	8.06	16.0	<0.02	<1	0.9	12.5	<10	3
RDU-C-056	Soil	0.35	11.0	1.2	<0.05	1.5	6.03	19.9	<0.02	<1	0.4	9.8	<10	<2
RDU-C-057	Soil	0.06	3.7	0.3	<0.05	0.4	2.71	4.9	<0.02	1	0.8	21.5	<10	5

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 9 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				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
RDU-C-058	Soil			0.06	4.21	1.35	19.3	23	2763	126.3	237	4.57	34.9	<0.1	2.2	<0.1	3.1	0.02	12.08	<0.02	31	0.04	0.002
RDU-C-059	Soil			2.23	77.04	10.40	87.7	1184	456.9	29.7	1190	4.86	1357	0.8	111.1	3.4	42.0	0.30	26.48	0.16	23	0.58	0.072
RDU-C-060	Soil			0.77	133.7	23.21	148.4	1305	967.5	64.9	2090	7.32	3390	0.4	141.2	0.9	84.4	0.57	124.1	0.11	45	1.50	0.054
RDU-C-061	Soil			2.08	26.57	20.19	75.4	175	88.8	18.9	394	4.27	450.4	0.9	13.8	5.3	16.6	0.23	7.82	0.21	31	0.22	0.052
RDU-C-062	Soil			1.54	25.23	11.81	59.5	268	1199	60.5	836	4.45	203.2	0.6	16.2	3.4	13.1	0.32	6.64	0.15	58	0.18	0.047
RDU-C-063	Soil			2.90	39.14	23.54	91.1	588	476.3	26.5	588	3.96	486.4	0.8	35.6	3.7	12.5	0.37	12.96	0.27	38	0.10	0.055
RDU-C-064	Soil			1.76	15.46	18.93	71.6	117	136.8	18.0	544	2.91	208.1	0.6	11.1	2.8	12.9	0.51	9.01	0.34	37	0.11	0.044
RDU-C-065	Soil			4.88	62.69	23.02	113.3	1138	209.0	19.1	572	4.22	323.3	1.8	16.2	6.5	21.6	0.72	7.05	0.52	46	0.35	0.084
RDU-C-066	Soil			3.35	32.23	21.01	104.0	210	156.6	30.4	715	5.45	363.9	0.9	22.7	1.3	9.5	0.70	14.35	0.51	35	0.10	0.084
RDU-C-067	Soil			3.44	51.18	49.11	116.7	2272	88.8	19.1	843	4.84	1131	1.2	120.8	5.0	10.8	0.73	26.44	0.36	32	0.12	0.083
RDU-C-068	Soil			1.56	32.42	15.42	97.1	277	246.4	19.0	504	2.65	438.5	0.9	83.3	5.8	30.0	0.48	19.46	0.27	37	0.43	0.085
RDU-C-069	Soil			1.74	42.91	15.82	117.3	32	41.6	19.2	876	3.76	10.3	1.4	1.1	12.1	12.2	0.20	0.27	0.30	38	0.20	0.087
RDU-C-070	Soil			2.10	51.75	24.15	88.2	634	71.3	15.9	678	3.62	242.8	1.6	21.6	8.9	13.9	0.23	3.71	0.30	15	0.24	0.100
RDU-C-071	Soil			2.43	50.44	20.58	111.3	183	47.1	20.5	1162	4.10	14.0	1.5	2.2	11.6	13.8	0.28	0.37	0.38	35	0.24	0.080
RDU-C-072	Soil			2.61	71.04	94.27	197.5	3090	111.3	27.4	834	4.56	1041	1.7	51.1	15.9	16.4	1.36	6.19	0.35	15	0.29	0.084
RDU-C-073	Soil			2.65	38.61	21.20	96.1	313	104.7	17.5	679	3.54	152.3	1.6	9.9	8.4	13.6	0.34	2.22	0.23	33	0.22	0.073
RDU-C-074	Soil			3.70	65.71	44.36	197.4	298	115.1	46.0	1174	5.33	101.9	1.4	1.6	8.3	15.2	0.73	0.92	0.32	78	0.32	0.132
RDU-C-075	Soil			1.84	35.56	32.62	124.1	95	60.2	21.4	679	3.90	20.3	1.0	1.0	8.7	11.3	0.36	0.61	0.25	49	0.22	0.100
RDU-CDX-001	Soil			3.24	23.85	24.78	121.3	161	25.1	15.2	1003	3.78	27.0	2.3	0.3	9.6	15.6	0.28	0.34	0.27	43	0.33	0.109
RDU-MX-001	Soil			1.41	28.34	24.51	113.0	89	45.7	18.9	1001	3.97	9.8	1.1	0.7	8.6	13.8	0.28	0.26	0.31	35	0.27	0.081
RDU-MX-002	Soil			1.64	25.32	28.23	85.2	32	31.2	15.4	632	3.97	7.6	0.7	<0.2	4.4	4.7	0.16	0.44	0.29	48	0.05	0.048
RDU-MX-003	Soil			3.28	41.60	27.93	138.2	51	35.9	24.5	2033	7.76	1.9	1.8	0.8	10.3	39.6	0.35	0.13	0.16	155	0.60	0.194
RDU-MX-004	Soil			1.69	65.48	82.57	135.9	237	43.3	38.5	3178	6.18	2.6	2.4	3.7	16.1	30.0	0.31	0.15	1.97	94	0.55	0.104
RDU-MX-005	Soil			0.72	44.76	60.50	129.7	63	45.7	25.3	1403	5.26	1.3	0.9	<0.2	18.3	8.7	0.11	0.04	0.44	47	0.23	0.069
RDU-MX-006	Soil			0.88	55.00	65.21	117.1	65	53.4	29.4	1430	5.52	2.3	1.3	<0.2	17.0	4.5	0.08	0.15	0.67	57	0.10	0.068
RDU-MX-007	Soil			0.87	49.76	28.91	119.7	96	51.1	23.2	1152	5.62	2.7	1.6	<0.2	20.5	7.4	0.03	0.09	0.46	40	0.12	0.053
RDU-MX-008	Soil			0.64	71.54	25.84	100.0	97	103.5	34.1	988	5.22	11.1	0.9	0.3	15.6	22.4	0.18	0.15	0.40	56	0.46	0.110
RDU-MX-009	Soil			3.15	88.54	15.10	89.7	78	122.6	55.5	3896	10.09	5.5	0.8	0.3	7.5	34.2	0.25	0.31	0.21	47	0.73	0.108
RDU-MX-010	Soil			2.11	90.13	17.56	105.0	86	106.1	39.7	2074	8.53	5.7	1.0	<0.2	9.4	23.4	0.18	0.26	0.22	70	0.62	0.156
RDU-MX-011	Soil			1.03	51.97	29.59	103.0	3804	110.2	45.2	2247	11.60	2678	0.6	418.7	1.4	30.1	0.37	33.28	0.11	55	0.30	0.047

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 9 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		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	0.02	
RDU-C-058	Soil	<0.5	2693	20.21	11.9	0.003	71	0.38	0.002	<0.01	<0.1	10.5	<0.02	<0.02	<5	0.4	<0.02	0.9	1.27	0.2	<0.02
RDU-C-059	Soil	11.7	129.0	1.56	183.7	<0.001	9	0.51	0.004	0.11	0.7	8.7	0.22	0.04	51	0.8	0.05	1.2	10.43	<0.1	0.03
RDU-C-060	Soil	4.9	196.0	2.61	308.4	<0.001	7	1.14	0.004	0.17	1.0	20.0	0.55	0.04	98	0.6	0.04	2.2	19.22	0.1	0.03
RDU-C-061	Soil	20.9	77.3	0.52	312.6	0.002	<1	1.09	0.003	0.05	0.5	3.3	0.13	<0.02	15	1.0	0.05	2.9	2.22	<0.1	<0.02
RDU-C-062	Soil	14.2	613.2	5.48	298.8	0.007	3	1.36	0.005	0.06	2.1	8.1	0.13	<0.02	48	0.6	0.03	3.4	10.21	<0.1	<0.02
RDU-C-063	Soil	15.0	156.2	1.63	327.0	0.002	2	1.06	0.005	0.08	0.5	4.3	0.14	0.03	83	0.8	0.03	3.0	1.79	0.1	0.04
RDU-C-064	Soil	14.9	95.6	0.58	301.0	0.009	1	0.87	0.005	0.04	0.6	2.0	0.11	<0.02	33	<0.1	<0.02	3.1	1.18	<0.1	<0.02
RDU-C-065	Soil	28.2	89.9	0.88	341.0	0.005	1	1.67	0.008	0.07	0.3	6.4	0.17	0.04	109	1.1	0.06	4.2	3.21	<0.1	0.10
RDU-C-066	Soil	21.1	110.7	0.68	96.9	0.009	1	1.17	0.005	0.04	0.7	1.5	0.12	<0.02	26	1.4	0.09	3.8	2.49	<0.1	<0.02
RDU-C-067	Soil	19.1	51.3	0.42	162.7	0.007	1	1.04	0.004	0.05	0.4	3.9	0.11	0.03	95	1.3	0.07	2.5	1.44	<0.1	<0.02
RDU-C-068	Soil	17.6	58.4	1.11	177.6	0.033	2	0.97	0.009	0.08	0.4	3.4	0.12	<0.02	60	0.2	0.05	3.3	0.99	<0.1	0.07
RDU-C-069	Soil	51.3	34.5	0.78	65.5	0.009	<1	1.59	0.005	0.04	<0.1	3.1	0.02	<0.02	6	0.2	0.02	4.8	1.15	<0.1	0.10
RDU-C-070	Soil	31.4	45.9	0.20	184.5	0.003	2	0.49	0.004	0.07	0.3	2.8	0.06	<0.02	6	0.2	0.05	1.4	1.73	<0.1	0.03
RDU-C-071	Soil	55.8	43.1	0.80	136.4	0.004	<1	1.85	0.006	0.08	<0.1	4.0	0.06	0.04	28	0.3	0.08	5.8	2.40	<0.1	0.19
RDU-C-072	Soil	27.8	51.6	0.41	133.9	0.002	2	0.47	0.004	0.07	0.5	4.8	0.07	0.03	23	0.5	0.05	1.2	2.95	<0.1	0.09
RDU-C-073	Soil	27.3	76.0	0.57	137.2	0.020	3	0.71	0.004	0.06	0.3	4.0	0.11	<0.02	19	0.4	0.02	2.2	4.60	<0.1	0.04
RDU-C-074	Soil	40.6	111.7	1.42	157.9	0.008	1	1.83	0.003	0.05	0.3	10.0	0.07	<0.02	22	0.5	0.06	5.7	1.85	<0.1	0.05
RDU-C-075	Soil	30.2	46.6	0.75	68.6	0.023	<1	1.55	0.003	0.06	0.1	3.4	0.08	<0.02	25	0.1	0.05	5.1	1.45	<0.1	0.06
RDU-CDX-001	Soil	32.3	17.3	0.48	122.5	0.003	<1	1.14	0.003	0.07	<0.1	3.7	0.06	0.03	22	0.7	<0.02	3.7	2.48	<0.1	0.12
RDU-MX-001	Soil	38.6	51.2	0.92	163.0	0.010	1	1.89	0.005	0.07	<0.1	3.1	0.07	0.03	19	0.3	0.03	5.8	2.28	<0.1	0.11
RDU-MX-002	Soil	25.0	35.5	0.71	49.8	0.030	<1	1.72	0.003	0.07	0.2	2.5	0.08	0.02	23	<0.1	0.04	6.5	2.16	<0.1	<0.02
RDU-MX-003	Soil	76.2	66.8	1.53	57.9	0.013	1	3.56	0.005	0.06	<0.1	16.5	<0.02	<0.02	33	0.2	<0.02	16.7	1.07	0.2	0.06
RDU-MX-004	Soil	149.3	40.1	1.35	84.1	0.008	<1	3.17	0.005	0.08	<0.1	8.8	0.03	0.04	39	0.2	0.09	10.2	4.14	0.2	0.06
RDU-MX-005	Soil	69.9	51.9	1.32	51.1	0.010	<1	2.81	0.003	0.07	<0.1	4.7	<0.02	<0.02	<5	<0.1	<0.02	9.2	1.66	0.2	0.10
RDU-MX-006	Soil	76.5	60.1	1.32	61.9	0.007	1	2.91	0.004	0.04	<0.1	5.8	0.03	0.03	38	<0.1	0.02	8.6	2.35	0.2	0.07
RDU-MX-007	Soil	107.2	53.1	1.24	70.0	0.003	<1	2.98	0.005	0.05	<0.1	4.4	0.03	0.03	28	<0.1	<0.02	8.5	2.84	<0.1	0.09
RDU-MX-008	Soil	72.7	140.7	2.13	88.1	0.015	<1	2.88	0.003	0.04	<0.1	7.2	0.03	<0.02	15	0.3	0.02	9.4	2.00	0.1	0.10
RDU-MX-009	Soil	49.4	101.1	0.92	249.7	0.004	1	1.70	0.004	0.03	<0.1	8.1	<0.02	0.05	17	0.5	0.03	5.3	0.79	<0.1	0.07
RDU-MX-010	Soil	47.3	111.8	1.34	129.4	0.005	<1	2.62	0.004	0.03	<0.1	8.2	0.02	0.03	24	0.3	0.04	8.8	1.23	0.1	0.06
RDU-MX-011	Soil	6.1	46.2	0.79	248.6	<0.001	7	0.51	0.003	0.07	1.3	21.1	0.28	0.05	91	0.6	0.08	1.4	13.87	<0.1	<0.02

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 9 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	Unit	MDL	1F15 Nb	1F15 Rb	1F15 Sn	1F15 Ta	1F15 Zr	1F15 Y	1F15 Ce	1F15 In	1F15 Re	1F15 Be	1F15 Li	1F15 Pd	1F15 Pt
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
				0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
RDU-C-058	Soil			<0.02	0.5	0.4	<0.05	0.2	0.42	0.7	<0.02	<1	0.3	58.1	<10	11
RDU-C-059	Soil			0.12	11.1	1.1	<0.05	1.8	8.69	26.6	0.03	2	1.0	3.0	10	3
RDU-C-060	Soil			0.04	22.8	0.6	<0.05	1.0	10.86	11.8	0.05	<1	1.5	14.6	12	5
RDU-C-061	Soil			0.31	8.8	0.6	<0.05	1.2	5.09	46.7	0.03	<1	0.6	12.5	<10	<2
RDU-C-062	Soil			0.30	8.9	1.2	<0.05	0.8	7.03	31.8	0.02	1	0.8	23.0	<10	2
RDU-C-063	Soil			0.28	10.4	0.8	<0.05	1.7	7.71	33.7	0.02	2	0.5	14.8	<10	<2
RDU-C-064	Soil			0.36	8.9	1.1	<0.05	0.6	3.05	28.1	0.03	<1	0.3	10.0	<10	3
RDU-C-065	Soil			0.37	8.5	1.0	<0.05	2.8	16.82	52.6	0.07	<1	1.0	21.5	<10	<2
RDU-C-066	Soil			0.20	8.5	1.0	<0.05	0.3	4.73	42.5	0.03	<1	0.4	14.2	<10	<2
RDU-C-067	Soil			0.42	8.4	0.6	<0.05	0.9	8.55	39.8	0.04	<1	0.4	13.6	<10	<2
RDU-C-068	Soil			0.36	6.6	1.0	<0.05	3.5	9.36	31.8	0.03	<1	0.7	13.8	<10	<2
RDU-C-069	Soil			0.10	3.3	0.7	<0.05	4.2	10.06	102.7	0.03	<1	0.3	21.9	<10	<2
RDU-C-070	Soil			0.38	6.1	1.2	<0.05	1.8	12.02	56.5	0.02	<1	0.5	5.4	<10	<2
RDU-C-071	Soil			0.14	5.6	1.5	<0.05	5.3	11.25	98.8	0.03	<1	0.6	24.9	<10	2
RDU-C-072	Soil			0.13	5.3	1.2	<0.05	7.2	13.10	50.6	0.03	<1	0.4	5.9	<10	<2
RDU-C-073	Soil			0.31	6.2	0.8	<0.05	2.1	9.40	50.2	<0.02	<1	<0.1	8.0	<10	2
RDU-C-074	Soil			0.09	4.9	1.1	<0.05	2.5	15.11	69.9	0.04	<1	0.2	21.2	<10	<2
RDU-C-075	Soil			0.34	5.8	0.8	<0.05	2.8	8.28	59.5	0.03	<1	0.3	19.1	<10	<2
RDU-CDX-001	Soil			0.25	7.7	1.1	<0.05	4.8	11.66	59.4	<0.02	<1	0.2	14.1	<10	<2
RDU-MX-001	Soil			0.30	6.7	0.9	<0.05	4.4	7.74	74.2	<0.02	<1	0.5	27.9	<10	<2
RDU-MX-002	Soil			0.37	6.9	1.4	<0.05	0.4	5.57	67.0	0.02	<1	0.3	21.1	<10	<2
RDU-MX-003	Soil			0.13	2.6	1.0	<0.05	4.5	38.74	119.3	0.10	<1	0.5	41.7	<10	<2
RDU-MX-004	Soil			0.13	6.0	2.6	<0.05	3.4	36.55	199.4	0.06	<1	0.7	42.0	<10	<2
RDU-MX-005	Soil			0.04	4.1	0.4	<0.05	5.7	24.75	139.0	0.03	<1	0.2	36.2	<10	2
RDU-MX-006	Soil			0.20	5.1	0.7	<0.05	2.4	18.31	163.5	0.04	<1	0.3	38.4	<10	<2
RDU-MX-007	Soil			0.11	6.5	0.4	<0.05	3.7	24.78	139.4	0.06	<1	0.5	39.8	<10	<2
RDU-MX-008	Soil			0.22	4.0	0.6	<0.05	4.5	28.22	108.6	0.05	<1	0.2	32.7	<10	<2
RDU-MX-009	Soil			0.11	2.9	0.6	<0.05	1.6	19.05	83.5	0.06	<1	0.5	19.0	<10	<2
RDU-MX-010	Soil			0.12	3.7	0.7	<0.05	3.5	19.90	82.0	0.07	<1	0.4	28.8	<10	<2
RDU-MX-011	Soil			0.05	9.0	0.5	<0.05	0.9	11.73	10.6	0.08	<1	1.6	4.1	<10	<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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 10 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				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
RDU-MX-012	Soil			0.56	64.82	8.49	81.6	209	68.6	23.5	1212	4.58	102.9	0.4	8.6	1.8	18.8	0.17	3.69	0.12	80	0.52	0.056
RDU-MX-013	Soil			1.50	73.29	35.36	99.1	3703	105.6	16.2	687	3.13	676.9	1.3	77.9	7.2	19.5	0.39	15.77	0.26	23	0.30	0.080
RDU-DX-001	Soil			4.09	53.83	30.96	91.0	1185	46.6	12.1	548	3.20	117.8	2.2	10.0	5.6	14.7	0.48	3.95	0.33	28	0.18	0.105
RDU-DX-002	Soil			1.70	24.34	21.51	88.1	196	49.4	13.4	554	2.67	106.7	2.0	7.9	8.1	17.1	0.36	1.98	0.28	31	0.27	0.097
RDU-DX-003	Soil			1.21	42.28	30.99	101.8	1316	520.7	37.9	831	4.06	310.3	1.0	30.9	5.8	18.4	0.45	22.65	0.28	37	0.32	0.072
RDU-DX-004	Soil			0.89	89.24	15.85	98.1	8042	810.2	53.8	1040	5.38	1606	0.8	163.3	4.5	34.3	0.40	89.46	0.19	45	0.44	0.031
RDU-DX-005	Soil			1.41	62.96	18.74	90.9	689	282.3	33.2	750	4.45	380.4	0.9	30.5	6.8	13.3	0.30	17.64	0.24	36	0.21	0.029
RDU-DX-006	Soil			1.07	116.5	30.77	82.3	1159	224.4	38.4	1571	6.26	774.0	1.0	42.5	5.8	25.9	0.34	6.23	0.22	44	0.43	0.059
RDU-DX-007	Soil			1.41	27.89	17.42	85.2	370	307.2	29.2	518	3.47	189.6	1.3	11.1	2.0	16.7	0.42	4.28	0.21	29	0.23	0.093
RDU-DX-008	Soil			2.23	18.51	18.48	91.2	112	115.4	21.5	629	4.05	144.6	0.9	2.8	2.7	9.9	0.84	5.99	0.26	42	0.13	0.086
RDU-DX-009	Soil			2.14	46.83	18.22	109.3	690	511.6	34.8	633	4.11	412.2	1.2	34.7	6.0	23.3	0.69	23.67	0.23	42	0.29	0.085
RDU-DX-010	Soil			1.48	32.18	15.82	84.7	550	540.0	37.6	628	3.74	252.2	1.0	25.6	4.3	15.5	0.39	7.16	0.20	39	0.19	0.080
RDU-DX-011	Soil			0.62	12.40	7.99	45.5	132	526.5	31.4	182	2.17	30.1	0.5	6.0	3.5	11.3	0.16	2.36	0.11	28	0.15	0.043
RDU-DX-012	Soil			1.42	23.81	14.49	71.6	337	670.7	35.6	766	3.81	448.4	0.8	10.9	3.2	15.2	0.50	41.39	0.22	41	0.20	0.044
RDU-DX-013	Soil			1.09	31.56	10.57	125.1	128	38.5	16.9	811	3.69	61.9	2.0	1.8	6.2	7.7	0.77	0.89	0.36	15	0.12	0.060
RDU-DX-014	Soil			1.33	21.49	19.09	77.9	219	25.8	13.6	856	3.15	310.5	2.5	25.2	3.8	11.7	0.41	0.88	0.38	25	0.19	0.100
RDU-DX-015	Soil			1.42	17.18	29.45	45.5	199	16.5	12.0	398	3.19	117.7	3.5	5.0	9.6	17.2	0.39	0.41	0.50	18	0.33	0.136
RDU-DX-016	Soil			1.48	14.38	30.60	78.4	42	20.0	11.7	453	2.80	71.1	1.5	2.2	7.1	14.3	0.56	0.49	0.36	26	0.24	0.127
RDU-DX-017	Soil			1.16	26.00	21.14	154.2	597	53.7	18.3	1563	3.97	103.4	2.6	244.5	3.6	21.3	2.02	1.36	0.37	35	0.38	0.158
RDU-DX-018	Soil			1.53	21.39	16.74	67.6	207	672.7	38.2	606	3.78	405.9	0.6	23.0	3.7	9.3	0.51	98.08	0.23	40	0.08	0.048
RDU-DX-019	Soil			2.54	27.11	15.91	89.6	168	124.3	19.3	437	3.34	165.2	0.8	9.8	4.7	11.5	0.70	7.44	0.26	46	0.12	0.068
RDU-DX-020	Soil			0.70	25.32	8.03	62.6	229	1120	49.9	437	3.72	146.7	0.7	14.6	2.3	16.6	0.38	26.43	0.13	39	0.32	0.054
RDU-DX-021	Soil			0.79	18.96	9.74	55.5	96	972.2	60.1	1065	4.49	92.8	0.6	1.5	1.7	11.1	0.43	13.96	0.16	42	0.17	0.044
RDU-DX-022	Soil			1.01	28.30	10.07	61.6	201	1588	68.9	904	4.84	73.3	0.9	2.6	2.6	13.5	0.39	8.17	0.16	42	0.14	0.045
RDU-DX-023	Soil			0.56	84.30	6.60	81.3	182	301.3	54.4	1230	5.99	128.5	0.3	4.6	1.9	23.4	0.24	6.39	0.08	116	0.89	0.089
RDU-DX-024	Soil			1.29	96.37	14.11	81.4	702	60.5	18.2	1298	3.15	216.2	0.7	33.6	3.1	21.9	0.22	21.39	0.23	20	0.28	0.061
RDU-DX-025	Soil			1.45	75.51	15.82	93.3	647	57.4	19.6	1026	3.46	226.6	1.0	34.2	3.9	26.1	0.22	18.20	0.21	30	0.29	0.069



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

www.acmelab.com

Client: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 10 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		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	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	
RDU-MX-012	Soil	11.5	82.6	1.44	130.6	0.002	3	1.79	0.004	0.04	0.2	12.4	0.04	0.05	33	0.2	0.06	5.3	7.94	<0.1	0.03
RDU-MX-013	Soil	19.9	104.1	0.67	215.4	0.005	3	0.58	0.004	0.09	0.3	3.7	0.06	0.03	36	0.4	0.08	1.7	2.56	<0.1	0.12
RDU-DX-001	Soil	25.0	34.5	0.37	110.3	0.022	<1	0.90	0.004	0.10	0.3	2.6	0.11	<0.02	16	0.9	0.06	2.6	2.01	<0.1	<0.02
RDU-DX-002	Soil	26.6	37.9	0.47	145.5	0.033	1	0.95	0.005	0.13	0.2	3.0	0.12	<0.02	18	0.3	<0.02	3.0	2.73	<0.1	0.03
RDU-DX-003	Soil	17.6	388.5	1.76	140.3	0.017	3	0.96	0.005	0.11	0.4	7.1	0.18	<0.02	103	0.6	0.03	2.9	4.35	<0.1	0.04
RDU-DX-004	Soil	14.7	170.4	1.40	137.5	0.006	6	0.97	0.005	0.11	0.8	14.4	0.31	0.03	214	0.4	0.02	2.5	12.39	<0.1	0.06
RDU-DX-005	Soil	22.0	126.2	0.97	223.5	0.007	2	1.10	0.005	0.05	0.4	8.1	0.14	<0.02	123	0.5	0.03	2.6	1.64	0.1	0.03
RDU-DX-006	Soil	19.2	100.4	0.65	260.6	0.005	2	1.25	0.005	0.05	0.4	8.6	0.11	<0.02	53	0.4	<0.02	3.2	2.24	<0.1	0.02
RDU-DX-007	Soil	21.4	299.1	2.23	182.5	0.009	3	0.90	0.005	0.07	0.5	3.2	0.09	<0.02	52	0.5	0.04	2.4	2.87	<0.1	<0.02
RDU-DX-008	Soil	15.4	143.3	0.72	294.2	0.008	<1	1.37	0.004	0.05	0.4	2.6	0.13	<0.02	22	0.4	<0.02	4.4	2.07	<0.1	<0.02
RDU-DX-009	Soil	19.0	236.7	2.15	252.8	0.010	3	1.04	0.005	0.09	1.1	6.8	0.12	<0.02	120	0.3	0.10	2.8	1.90	<0.1	0.08
RDU-DX-010	Soil	17.3	477.5	2.27	260.2	0.008	3	1.17	0.004	0.05	0.3	6.1	0.09	0.02	66	0.4	0.07	3.0	3.69	<0.1	0.08
RDU-DX-011	Soil	12.3	313.0	3.00	112.8	0.024	4	0.81	0.008	0.04	0.4	3.7	0.05	<0.02	24	0.3	<0.02	2.2	2.03	<0.1	<0.02
RDU-DX-012	Soil	12.3	203.3	2.36	194.2	0.019	4	0.98	0.009	0.06	0.9	5.4	0.25	0.03	77	0.3	0.04	2.9	1.45	<0.1	0.04
RDU-DX-013	Soil	18.8	35.8	0.56	86.5	0.006	<1	1.35	0.004	0.07	0.2	2.0	0.07	<0.02	22	0.3	0.04	3.7	2.82	<0.1	0.05
RDU-DX-014	Soil	23.2	17.8	0.32	137.8	0.013	2	1.01	0.005	0.14	0.2	2.6	0.13	0.02	15	0.5	0.02	3.2	3.82	<0.1	0.03
RDU-DX-015	Soil	24.7	11.0	0.21	182.9	0.003	1	1.04	0.006	0.23	0.1	3.4	0.16	0.03	23	0.4	<0.02	2.5	5.59	<0.1	0.12
RDU-DX-016	Soil	23.3	17.6	0.35	54.8	0.019	<1	0.97	0.003	0.12	0.2	2.1	0.10	<0.02	11	0.4	0.02	2.9	3.17	<0.1	<0.02
RDU-DX-017	Soil	24.4	51.5	0.39	229.9	0.004	<1	0.99	0.004	0.10	0.3	4.8	0.09	0.03	26	0.6	<0.02	2.7	2.81	<0.1	0.04
RDU-DX-018	Soil	13.9	310.7	1.66	253.0	0.006	4	1.22	0.005	0.05	0.9	4.7	0.32	<0.02	146	0.4	0.03	3.5	2.85	<0.1	0.05
RDU-DX-019	Soil	17.8	95.8	0.74	267.5	0.009	2	1.56	0.005	0.06	0.3	2.8	0.13	<0.02	36	0.9	0.02	4.0	2.14	<0.1	0.02
RDU-DX-020	Soil	10.8	489.8	4.18	135.5	0.021	8	0.93	0.009	0.04	0.7	9.3	0.13	0.04	90	0.4	<0.02	2.7	1.83	<0.1	0.03
RDU-DX-021	Soil	10.2	429.6	3.47	142.6	0.019	5	0.94	0.008	0.04	0.6	8.7	0.09	0.04	39	0.3	<0.02	2.6	1.22	<0.1	<0.02
RDU-DX-022	Soil	12.4	741.0	5.03	155.4	0.019	18	0.85	0.009	0.05	0.9	8.6	0.07	0.03	50	0.5	<0.02	2.4	2.83	0.1	0.05
RDU-DX-023	Soil	14.3	230.1	2.52	171.7	0.004	4	2.09	0.005	0.09	0.4	24.5	0.11	<0.02	20	0.4	<0.02	5.3	21.18	<0.1	0.04
RDU-DX-024	Soil	15.3	21.9	0.58	196.7	0.003	3	0.61	0.005	0.09	0.4	5.0	0.09	0.03	33	0.4	0.05	1.7	4.07	<0.1	0.07
RDU-DX-025	Soil	18.1	20.8	0.76	234.4	0.004	5	0.83	0.004	0.09	0.4	5.4	0.08	0.03	43	0.6	0.03	2.3	5.18	<0.1	0.10



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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 10 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI10000417.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	10	2	
RDU-MX-012	Soil	0.07	7.0	0.9	<0.05	0.8	13.31	27.9	0.05	<1	0.5	17.5	<10	<2
RDU-MX-013	Soil	0.39	7.8	1.0	<0.05	3.7	11.15	37.0	0.03	<1	0.3	5.8	<10	<2
RDU-DX-001	Soil	0.30	11.2	0.6	<0.05	0.7	9.41	47.4	<0.02	<1	0.6	14.8	<10	2
RDU-DX-002	Soil	0.28	11.5	0.5	<0.05	1.6	12.55	51.8	<0.02	<1	0.6	18.1	11	<2
RDU-DX-003	Soil	0.28	11.1	0.7	<0.05	2.4	10.70	34.8	<0.02	<1	0.5	16.7	<10	<2
RDU-DX-004	Soil	0.26	10.9	0.6	<0.05	2.1	11.07	29.0	0.04	<1	1.4	14.3	<10	3
RDU-DX-005	Soil	0.31	7.9	1.0	<0.05	1.3	10.56	45.4	<0.02	<1	0.6	11.4	<10	3
RDU-DX-006	Soil	0.32	7.8	0.8	<0.05	1.0	11.52	37.3	0.04	<1	0.6	14.7	<10	2
RDU-DX-007	Soil	0.14	9.4	0.6	<0.05	0.3	9.69	43.2	<0.02	<1	0.3	13.4	<10	<2
RDU-DX-008	Soil	0.38	9.0	0.9	<0.05	0.2	5.32	33.9	0.03	<1	0.4	24.1	<10	<2
RDU-DX-009	Soil	0.29	8.3	0.7	<0.05	2.8	10.76	36.9	0.03	<1	0.9	15.4	<10	<2
RDU-DX-010	Soil	0.25	7.7	1.0	<0.05	2.4	9.36	32.4	0.03	<1	0.4	15.7	<10	4
RDU-DX-011	Soil	0.27	5.2	1.2	<0.05	1.2	4.11	23.4	<0.02	2	0.2	12.6	<10	<2
RDU-DX-012	Soil	0.55	7.6	1.4	<0.05	1.5	6.13	25.2	<0.02	1	0.8	12.5	<10	<2
RDU-DX-013	Soil	0.14	7.4	0.5	<0.05	1.4	5.05	34.6	<0.02	<1	0.3	18.8	<10	<2
RDU-DX-014	Soil	0.25	17.5	0.7	<0.05	1.0	9.50	44.9	<0.02	<1	0.5	14.6	<10	<2
RDU-DX-015	Soil	0.38	18.5	0.5	<0.05	3.9	18.18	53.0	0.03	<1	0.6	16.1	<10	<2
RDU-DX-016	Soil	0.44	12.1	0.4	<0.05	0.7	9.94	46.8	0.03	<1	0.4	28.0	<10	<2
RDU-DX-017	Soil	0.16	11.8	0.6	<0.05	1.4	19.37	49.8	0.03	1	0.7	21.5	<10	<2
RDU-DX-018	Soil	0.29	8.4	0.9	<0.05	1.5	4.96	27.7	0.03	<1	1.0	19.3	<10	<2
RDU-DX-019	Soil	0.39	10.5	0.7	<0.05	1.1	5.39	38.0	0.03	1	0.6	25.9	<10	<2
RDU-DX-020	Soil	0.47	6.1	0.7	<0.05	1.2	5.69	20.3	<0.02	<1	0.8	12.9	<10	4
RDU-DX-021	Soil	0.40	6.0	0.9	<0.05	0.6	4.44	20.8	<0.02	1	0.7	11.0	<10	<2
RDU-DX-022	Soil	0.29	6.3	0.9	<0.05	1.3	8.28	19.8	<0.02	<1	0.9	14.5	<10	<2
RDU-DX-023	Soil	0.07	12.7	0.6	<0.05	1.1	15.99	26.6	0.04	<1	0.7	34.9	<10	<2
RDU-DX-024	Soil	0.15	8.0	1.5	<0.05	2.7	6.91	34.6	0.02	<1	0.5	7.0	<10	<2
RDU-DX-025	Soil	0.18	8.3	1.1	<0.05	4.0	8.78	35.9	0.03	<1	0.6	10.0	<10	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: **Radius Gold Inc.**
830 - 355 Burrard St.
Vancouver BC V6C 2G8 Canada

Project: Rivier
Report Date: October 01, 2010

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

WHI10000417.1

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																					
RDU-A-010	Soil	1.17	15.02	12.49	40.6	346	15.9	4.5	141	1.80	8.3	15.1	2.0	0.4	7.8	0.29	0.47	0.88	21	0.09	0.113
REP RDU-A-010	QC	1.23	14.83	12.86	39.0	341	16.2	4.6	153	1.83	8.9	15.3	1.8	0.3	8.3	0.28	0.48	0.90	22	0.09	0.119
RDU-A-028	Soil	1.25	8.08	26.32	68.1	103	12.3	5.5	521	2.10	4.5	5.6	1.3	15.4	25.8	0.14	0.26	3.72	24	0.45	0.104
REP RDU-A-028	QC	1.26	7.35	26.55	61.6	99	11.7	5.3	515	2.04	4.3	5.7	2.0	15.3	25.4	0.13	0.24	3.48	24	0.44	0.096
RDU-A-041	Soil	2.40	55.84	12.77	100.6	163	48.0	38.5	744	6.65	45.4	0.4	3.7	3.5	58.4	0.25	0.44	0.41	105	1.19	0.234
REP RDU-A-041	QC	2.50	58.64	13.19	108.0	166	49.7	39.0	786	6.76	46.3	0.5	3.7	3.8	57.5	0.32	0.45	0.43	107	1.20	0.241
RDU-A-056	Soil	0.89	60.64	8.31	87.8	58	91.6	23.7	455	3.92	23.2	0.7	9.5	2.6	51.1	0.21	0.79	0.26	123	0.86	0.171
REP RDU-A-056	QC	0.81	56.65	8.30	79.9	50	85.7	22.4	444	3.80	21.7	0.7	0.9	2.4	48.6	0.22	0.75	0.24	118	0.84	0.165
RDU-A-073	Soil	2.30	6.80	37.09	65.1	63	11.8	5.9	307	2.89	3.8	2.5	8.4	10.8	9.9	0.08	0.27	2.92	29	0.13	0.060
REP RDU-A-073	QC	2.35	6.84	37.05	64.2	63	12.2	5.6	312	2.93	4.2	2.4	7.9	10.6	10.3	0.11	0.33	2.73	29	0.11	0.060
RDU-A-091	Soil	1.32	35.81	14.00	77.9	236	41.4	17.2	519	3.53	79.6	1.7	3.4	5.8	25.3	0.23	0.51	0.44	32	0.55	0.104
REP RDU-A-091	QC	1.50	36.91	14.93	79.2	230	42.5	18.2	548	3.77	83.9	1.7	3.1	5.9	26.7	0.20	0.52	0.45	34	0.58	0.109
RDU-B-024	Soil	2.01	27.16	24.78	110.1	128	69.8	15.4	502	3.81	47.5	0.9	1.9	5.1	11.6	0.36	1.15	0.22	59	0.18	0.099
REP RDU-B-024	QC	1.93	26.60	24.09	103.2	131	73.0	17.4	520	3.89	45.7	0.9	4.7	5.0	11.3	0.34	1.12	0.21	60	0.18	0.092
RDU-B-040	Soil	17.88	101.3	36.70	144.7	663	58.0	23.5	857	5.85	355.6	3.3	21.9	2.6	38.5	1.21	8.83	0.35	28	0.19	0.182
REP RDU-B-040	QC	16.83	97.85	34.29	142.8	645	55.9	23.1	773	5.69	344.0	3.2	18.9	2.7	35.0	1.16	8.36	0.32	26	0.17	0.157
RDU-B-053	Soil	1.30	61.49	33.65	87.7	143	53.0	20.9	887	3.35	24.8	1.7	5.7	9.3	46.3	0.45	0.36	0.36	44	1.09	0.084
REP RDU-B-053	QC	1.33	60.61	34.29	85.6	157	51.6	21.3	878	3.39	25.0	1.7	3.8	9.3	47.2	0.47	0.36	0.35	44	1.09	0.083
RDU-C-024	Soil	2.27	16.67	33.51	132.5	344	20.4	12.3	636	3.09	85.4	2.4	427.0	8.0	17.4	0.43	0.43	0.51	34	0.26	0.083
REP RDU-C-024	QC	2.25	16.88	34.95	140.5	357	19.7	11.8	647	3.09	86.7	2.5	309.1	8.3	17.5	0.40	0.40	0.52	34	0.28	0.088
RDU-C-045	Soil	1.33	23.77	21.54	85.9	54	30.5	16.7	675	3.88	14.2	0.9	1.5	3.9	7.3	0.14	0.52	0.30	48	0.10	0.057
REP RDU-C-045	QC	1.30	22.56	20.55	86.4	49	29.4	15.7	652	3.78	14.0	0.9	3.3	3.9	7.2	0.14	0.48	0.29	47	0.09	0.054
RDU-C-055	Soil	0.74	33.11	5.99	69.1	170	893.5	43.8	1061	4.83	89.4	0.5	7.1	0.6	30.5	0.38	10.35	0.09	68	0.71	0.090
REP RDU-C-055	QC	0.79	35.14	6.56	77.0	191	933.4	49.0	1119	4.98	98.5	0.5	6.9	0.7	33.9	0.40	11.35	0.10	71	0.74	0.092
RDU-C-070	Soil	2.10	51.75	24.15	88.2	634	71.3	15.9	678	3.62	242.8	1.6	21.6	8.9	13.9	0.23	3.71	0.30	15	0.24	0.100
REP RDU-C-070	QC	2.18	51.73	23.26	89.7	634	67.4	15.2	673	3.57	241.1	1.6	21.0	8.5	13.8	0.26	3.80	0.29	15	0.24	0.094
RDU-DX-006	Soil	1.07	116.5	30.77	82.3	1159	224.4	38.4	1571	6.26	774.0	1.0	42.5	5.8	25.9	0.34	6.23	0.22	44	0.43	0.059
REP RDU-DX-006	QC	1.06	116.4	30.85	87.1	1171	223.6	38.6	1555	6.29	771.4	1.0	44.4	5.8	26.1	0.40	6.38	0.22	44	0.43	0.058



Acme Analytical Laboratories (Vancouver) Ltd.

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

www.acmelab.com

Client: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

WHI10000417.1

Method	Analyte	Unit	MDL	1F15 La	1F15 Cr	1F15 Mg	1F15 Ba	1F15 Ti	1F15 B	1F15 Al	1F15 Na	1F15 K	1F15 W	1F15 Sc	1F15 Ti	1F15 S	1F15 Hg	1F15 Se	1F15 Te	1F15 Ga	1F15 Cs	1F15 Ge	1F15 Hf
				ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
				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																							
RDU-A-010	Soil			34.0	19.9	0.24	61.9	0.005	<1	1.20	0.007	0.06	0.9	0.5	0.13	0.09	54	0.8	0.03	4.0	2.64	<0.1	<0.02
REP RDU-A-010	QC			34.1	20.6	0.25	63.5	0.006	<1	1.24	0.007	0.07	0.7	0.5	0.14	0.09	44	0.7	0.03	4.0	2.80	<0.1	<0.02
RDU-A-028	Soil			41.3	15.7	0.35	98.3	0.014	<1	1.01	0.009	0.15	7.5	3.5	0.20	<0.02	14	0.3	<0.02	4.3	8.24	<0.1	0.06
REP RDU-A-028	QC			41.3	15.9	0.33	97.9	0.014	<1	0.98	0.009	0.15	7.5	3.4	0.20	<0.02	13	0.2	<0.02	4.1	8.29	0.1	0.07
RDU-A-041	Soil			23.0	33.0	1.72	112.8	0.020	2	2.92	0.004	0.07	0.3	8.3	0.11	0.04	26	0.5	0.02	10.3	6.11	<0.1	0.03
REP RDU-A-041	QC			24.2	35.4	1.77	113.5	0.022	1	3.01	0.004	0.08	0.3	8.9	0.12	0.04	32	0.4	<0.02	10.5	6.36	<0.1	0.03
RDU-A-056	Soil			11.6	159.2	1.94	323.4	0.095	2	1.75	0.028	0.11	0.5	5.7	0.07	0.04	7	0.5	<0.02	5.6	1.73	<0.1	0.02
REP RDU-A-056	QC			10.7	152.6	1.85	294.8	0.093	2	1.69	0.028	0.11	0.3	5.6	0.07	0.03	9	0.5	0.03	5.4	1.64	<0.1	0.02
RDU-A-073	Soil			15.7	25.1	0.43	54.9	0.009	<1	1.39	0.005	0.15	4.6	2.1	0.22	<0.02	39	<0.1	<0.02	5.6	14.06	<0.1	0.07
REP RDU-A-073	QC			17.3	25.3	0.44	58.0	0.014	<1	1.38	0.005	0.16	5.2	2.1	0.23	<0.02	26	0.5	0.11	5.5	17.55	<0.1	0.06
RDU-A-091	Soil			19.3	43.7	0.58	153.6	0.017	<1	1.22	0.006	0.07	0.5	3.2	0.09	0.02	24	0.6	<0.02	3.9	1.61	<0.1	0.04
REP RDU-A-091	QC			21.2	46.5	0.62	166.0	0.019	<1	1.30	0.006	0.08	0.4	3.0	0.10	0.03	37	0.5	0.04	3.9	1.73	<0.1	0.03
RDU-B-024	Soil			25.2	74.5	1.01	162.1	0.012	1	1.74	0.005	0.06	0.2	4.3	0.12	<0.02	13	0.6	0.03	5.5	2.21	<0.1	<0.02
REP RDU-B-024	QC			24.5	75.4	1.02	161.4	0.013	2	1.75	0.004	0.06	0.2	4.2	0.12	<0.02	13	0.6	0.03	5.3	2.21	<0.1	<0.02
RDU-B-040	Soil			15.4	30.9	0.21	219.8	0.005	3	0.65	0.008	0.08	0.4	2.5	0.17	0.07	49	5.1	0.11	1.9	3.44	<0.1	<0.02
REP RDU-B-040	QC			13.0	29.5	0.18	204.9	0.004	2	0.61	0.007	0.07	0.3	2.3	0.16	0.07	45	4.9	0.10	1.7	2.99	<0.1	<0.02
RDU-B-053	Soil			52.1	45.7	0.97	179.1	0.005	1	1.56	0.004	0.05	<0.1	6.1	0.04	0.10	49	0.6	0.07	5.0	1.07	<0.1	0.12
REP RDU-B-053	QC			53.5	46.8	1.00	184.3	0.005	2	1.58	0.004	0.05	<0.1	6.1	0.04	0.10	49	0.4	0.03	5.0	1.19	<0.1	0.10
RDU-C-024	Soil			34.8	22.7	0.43	201.3	0.007	<1	1.43	0.005	0.21	0.3	2.7	0.18	0.03	33	0.4	<0.02	4.1	8.13	<0.1	0.03
REP RDU-C-024	QC			35.3	22.3	0.45	205.5	0.007	<1	1.42	0.005	0.22	0.2	2.9	0.20	0.03	33	0.4	0.02	4.2	8.46	<0.1	0.03
RDU-C-045	Soil			21.0	38.3	0.92	70.5	0.028	<1	2.08	0.005	0.05	0.4	2.8	0.07	<0.02	29	0.5	0.04	6.4	1.65	<0.1	<0.02
REP RDU-C-045	QC			20.4	36.4	0.89	68.0	0.027	<1	2.01	0.004	0.05	0.5	2.8	0.07	<0.02	22	0.5	<0.02	6.2	1.63	<0.1	<0.02
RDU-C-055	Soil			6.9	476.9	2.37	181.0	0.008	5	1.19	0.007	0.05	0.7	7.0	0.11	0.08	50	0.6	<0.02	3.5	6.77	<0.1	<0.02
REP RDU-C-055	QC			7.4	499.0	2.47	197.3	0.008	5	1.22	0.008	0.05	0.8	7.9	0.13	0.09	60	0.5	0.03	3.7	7.16	<0.1	0.03
RDU-C-070	Soil			31.4	45.9	0.20	184.5	0.003	2	0.49	0.004	0.07	0.3	2.8	0.06	<0.02	6	0.2	0.05	1.4	1.73	<0.1	0.03
REP RDU-C-070	QC			32.4	44.6	0.20	189.0	0.003	1	0.49	0.003	0.07	0.3	2.7	0.06	<0.02	22	0.3	0.06	1.5	1.76	<0.1	0.05
RDU-DX-006	Soil			19.2	100.4	0.65	260.6	0.005	2	1.25	0.005	0.05	0.4	8.6	0.11	<0.02	53	0.4	<0.02	3.2	2.24	<0.1	0.02
REP RDU-DX-006	QC			18.5	98.5	0.65	263.5	0.005	<1	1.22	0.005	0.05	0.4	8.7	0.12	<0.02	49	0.5	0.05	3.2	2.23	<0.1	0.02

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 1 of 2 Part 3

QUALITY CONTROL REPORT

WHI10000417.1

Method	Analyte	Unit	MDL	1F15 Nb	1F15 Rb	1F15 Sn	1F15 Ta	1F15 Zr	1F15 Y	1F15 Ce	1F15 In	1F15 Re	1F15 Be	1F15 Li	1F15 Pd	1F15 Pt
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
				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																
RDU-A-010	Soil			0.75	13.4	0.9	<0.05	<0.1	24.49	72.5	0.03	<1	1.2	16.7	<10	<2
REP RDU-A-010	QC			0.77	13.7	1.0	<0.05	<0.1	24.96	74.8	0.03	<1	1.3	17.8	<10	<2
RDU-A-028	Soil			0.95	25.5	2.3	<0.05	5.4	18.89	86.1	0.03	<1	2.8	25.4	<10	<2
REP RDU-A-028	QC			0.92	25.2	2.3	<0.05	5.4	18.87	83.9	0.03	<1	2.7	26.2	<10	<2
RDU-A-041	Soil			0.63	11.0	1.3	<0.05	1.5	18.04	42.8	0.08	<1	1.2	67.5	<10	<2
REP RDU-A-041	QC			0.64	11.7	1.3	<0.05	1.6	18.56	45.8	0.08	<1	1.1	69.5	<10	<2
RDU-A-056	Soil			0.46	15.2	1.4	<0.05	0.9	4.39	25.4	0.02	<1	0.3	17.3	<10	5
REP RDU-A-056	QC			0.48	14.7	1.3	<0.05	0.9	4.20	23.8	<0.02	<1	0.3	16.1	<10	5
RDU-A-073	Soil			1.02	25.7	2.5	<0.05	4.1	5.86	33.0	0.03	<1	1.2	24.9	<10	<2
REP RDU-A-073	QC			1.19	28.1	2.3	<0.05	4.1	5.75	36.1	0.02	1	1.3	23.0	<10	5
RDU-A-091	Soil			0.50	11.5	0.7	<0.05	1.6	9.40	38.4	<0.02	<1	0.5	18.0	<10	<2
REP RDU-A-091	QC			0.58	12.1	0.7	<0.05	1.6	10.07	40.0	0.02	2	0.5	18.4	<10	<2
RDU-B-024	Soil			0.47	8.4	1.6	<0.05	0.6	7.79	65.3	0.03	<1	0.5	21.6	<10	<2
REP RDU-B-024	QC			0.45	8.3	1.6	<0.05	0.5	7.66	64.3	0.03	<1	0.7	19.4	<10	<2
RDU-B-040	Soil			0.27	9.4	0.7	<0.05	0.3	8.75	32.3	0.04	2	0.5	5.9	<10	<2
REP RDU-B-040	QC			0.19	8.4	0.8	<0.05	0.3	8.21	27.9	0.03	<1	0.5	4.7	<10	2
RDU-B-053	Soil			0.30	4.7	0.6	<0.05	5.0	27.21	87.1	0.03	<1	0.8	18.3	<10	<2
REP RDU-B-053	QC			0.27	4.7	0.5	<0.05	4.4	27.34	89.5	0.04	<1	0.5	17.5	<10	3
RDU-C-024	Soil			0.44	25.9	1.1	<0.05	1.1	14.63	58.6	0.02	<1	0.8	28.3	<10	<2
REP RDU-C-024	QC			0.50	26.2	1.2	<0.05	1.3	15.18	59.5	0.02	<1	1.5	28.5	<10	<2
RDU-C-045	Soil			0.58	7.9	0.6	<0.05	0.4	6.59	57.5	0.03	<1	0.3	23.7	<10	<2
REP RDU-C-045	QC			0.55	7.6	0.5	<0.05	0.5	6.48	55.4	0.03	<1	0.2	24.3	<10	<2
RDU-C-055	Soil			0.35	6.5	0.7	<0.05	0.7	8.06	16.0	<0.02	<1	0.9	12.5	<10	3
REP RDU-C-055	QC			0.38	6.9	0.6	<0.05	0.8	8.86	16.8	0.03	<1	1.1	13.9	<10	2
RDU-C-070	Soil			0.38	6.1	1.2	<0.05	1.8	12.02	56.5	0.02	<1	0.5	5.4	<10	<2
REP RDU-C-070	QC			0.30	6.4	1.1	<0.05	1.9	11.82	60.3	0.03	<1	0.4	5.4	<10	3
RDU-DX-006	Soil			0.32	7.8	0.8	<0.05	1.0	11.52	37.3	0.04	<1	0.6	14.7	<10	2
REP RDU-DX-006	QC			0.33	7.7	0.7	<0.05	1.2	11.99	36.1	0.04	<1	0.9	14.2	<10	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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

WHI10000417.1

		1F15 Mo ppm 0.01	1F15 Cu ppm 0.01	1F15 Pb ppm 0.01	1F15 Zn ppm 0.1	1F15 Ag ppb 2	1F15 Ni ppm 0.1	1F15 Co ppm 0.1	1F15 Mn ppm 1	1F15 Fe % 0.01	1F15 As ppm 0.1	1F15 U ppm 0.1	1F15 Au ppb 0.2	1F15 Th ppm 0.1	1F15 Sr ppm 0.5	1F15 Cd ppm 0.01	1F15 Sb ppm 0.02	1F15 Bi ppm 0.02	1F15 V ppm 2	1F15 Ca % 0.01	1F15 P % 0.001
RDU-DX-018	Soil	1.53	21.39	16.74	67.6	207	672.7	38.2	606	3.78	405.9	0.6	23.0	3.7	9.3	0.51	98.08	0.23	40	0.08	0.048
REP RDU-DX-018	QC	1.49	20.21	16.27	68.8	220	668.5	36.3	605	3.72	403.2	0.6	25.1	3.6	9.3	0.50	96.79	0.23	41	0.08	0.046
Reference Materials																					
STD DS7	Standard	18.83	101.4	66.02	368.4	916	50.9	8.2	546	2.24	49.4	4.7	67.9	4.4	66.8	6.19	6.13	4.55	79	0.91	0.080
STD DS7	Standard	21.06	100.8	64.56	385.4	964	54.1	8.1	593	2.29	50.7	4.8	80.9	4.5	78.7	6.37	6.00	4.51	83	0.97	0.079
STD DS7	Standard	19.96	102.2	63.35	402.7	988	54.5	8.1	609	2.37	50.7	4.3	71.4	4.2	70.4	5.80	5.37	4.34	83	0.98	0.079
STD DS7	Standard	21.22	97.27	64.11	409.0	1030	53.8	8.2	616	2.38	50.3	4.5	70.7	4.2	77.9	6.12	5.56	4.28	85	1.02	0.077
STD DS7	Standard	21.37	112.8	76.26	388.0	942	58.8	9.8	596	2.34	45.5	5.2	123.6	4.8	66.8	5.81	5.84	4.95	82	0.94	0.067
STD DS7	Standard	21.65	114.6	73.39	388.7	957	59.2	9.3	612	2.32	45.6	5.0	76.2	4.8	68.4	5.73	5.73	4.96	81	0.94	0.070
STD DS7	Standard	21.47	112.2	75.02	388.4	1017	60.4	10.1	603	2.37	45.8	5.3	137.6	4.9	66.9	5.67	5.92	4.92	83	0.95	0.069
STD DS7	Standard	20.62	105.5	69.21	403.6	1003	55.7	9.2	615	2.35	52.4	4.9	63.4	4.6	72.6	6.67	6.15	4.85	81	0.97	0.081
STD DS7	Standard	20.48	108.0	70.86	390.2	984	55.7	9.3	588	2.29	49.7	4.8	72.8	4.7	67.5	6.10	6.17	4.73	75	0.90	0.077
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	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 01, 2010

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

WHI10000417.1

		1F15 La ppm 0.5	1F15 Cr ppm 0.5	1F15 Mg % 0.01	1F15 Ba ppm 0.5	1F15 Ti % 0.001	1F15 B ppm 1	1F15 Al % 0.01	1F15 Na % 0.001	1F15 K % 0.01	1F15 W ppm 0.1	1F15 Sc ppm 0.1	1F15 Ti ppm 0.02	1F15 S % 0.02	1F15 Hg ppb 5	1F15 Se ppm 0.1	1F15 Te ppm 0.02	1F15 Ga ppm 0.1	1F15 Cs ppm 0.02	1F15 Ge ppm 0.1	1F15 Hf ppm 0.02
RDU-DX-018	Soil	13.9	310.7	1.66	253.0	0.006	4	1.22	0.005	0.05	0.9	4.7	0.32	<0.02	146	0.4	0.03	3.5	2.85	<0.1	0.05
REP RDU-DX-018	QC	14.0	298.6	1.63	250.0	0.007	4	1.21	0.005	0.05	0.9	4.7	0.30	<0.02	132	0.5	0.06	3.6	2.96	<0.1	0.04
Reference Materials																					
STD DS7	Standard	12.0	167.0	0.96	376.2	0.104	39	0.92	0.084	0.42	3.8	2.3	3.88	0.19	212	3.0	1.31	4.4	6.13	0.1	0.12
STD DS7	Standard	13.4	186.3	1.00	401.2	0.107	42	0.99	0.102	0.42	3.6	2.5	4.12	0.20	228	3.4	1.32	4.7	6.20	0.1	0.11
STD DS7	Standard	12.4	197.5	1.04	355.7	0.103	41	1.00	0.096	0.44	3.5	2.6	4.18	0.20	220	3.2	1.26	4.6	6.18	<0.1	0.11
STD DS7	Standard	13.1	204.4	1.05	392.3	0.114	43	1.04	0.099	0.44	3.8	2.7	4.19	0.20	218	3.6	1.40	5.0	6.23	<0.1	0.11
STD DS7	Standard	13.9	214.6	1.03	356.3	0.123	38	1.01	0.078	0.45	3.9	2.2	4.43	0.21	246	3.4	1.35	4.5	6.40	<0.1	0.10
STD DS7	Standard	13.1	206.8	1.01	350.4	0.121	37	0.98	0.081	0.44	3.6	2.2	4.07	0.20	206	3.7	1.19	4.6	6.17	<0.1	0.10
STD DS7	Standard	13.3	207.7	1.04	357.7	0.123	35	1.01	0.078	0.46	3.8	2.3	4.29	0.21	223	3.2	1.26	4.3	6.32	0.2	0.13
STD DS7	Standard	13.2	184.5	1.06	384.6	0.121	40	1.03	0.091	0.45	3.7	2.8	4.01	0.20	218	3.2	1.25	4.7	6.27	0.1	0.11
STD DS7	Standard	13.7	201.5	1.04	387.7	0.121	37	0.99	0.090	0.43	3.8	2.5	3.95	0.19	220	3.0	1.40	4.3	6.23	<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
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
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



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: **Radius Gold Inc.**
830 - 355 Burrard St.
Vancouver BC V6C 2G8 Canada

Project: Rivier

Report Date: October 01, 2010

Page: 2 of 2 Part 3

QUALITY CONTROL REPORT

WHI10000417.1

		1F15 Nb ppm 0.02	1F15 Rb ppm 0.1	1F15 Sn ppm 0.1	1F15 Ta ppm 0.05	1F15 Zr ppm 0.1	1F15 Y ppm 0.01	1F15 Ce ppm 0.1	1F15 In ppm 0.02	1F15 Re ppb 1	1F15 Be ppm 0.1	1F15 Li ppm 0.1	1F15 Pd ppb 10	1F15 Pt ppb 2
RDU-DX-018	Soil	0.29	8.4	0.9	<0.05	1.5	4.96	27.7	0.03	<1	1.0	19.3	<10	<2
REP RDU-DX-018	QC	0.31	8.6	1.0	<0.05	1.6	4.93	27.8	<0.02	<1	0.9	19.8	<10	2
Reference Materials														
STD DS7	Standard	0.58	33.1	5.2	<0.05	5.1	5.50	34.4	1.61	3	1.8	26.3	80	39
STD DS7	Standard	0.68	34.5	5.0	<0.05	4.8	6.59	40.0	1.56	4	1.4	26.7	83	44
STD DS7	Standard	0.53	33.2	4.4	<0.05	5.4	5.85	39.9	1.43	1	1.7	29.0	102	43
STD DS7	Standard	0.66	34.6	4.7	<0.05	5.7	6.69	40.3	1.49	5	1.9	31.9	90	42
STD DS7	Standard	0.45	34.6	4.4	<0.05	5.1	5.80	38.4	1.54	3	1.1	27.1	76	43
STD DS7	Standard	0.51	32.7	4.6	<0.05	5.3	5.62	38.1	1.60	2	1.5	27.5	85	43
STD DS7	Standard	0.51	34.2	4.6	<0.05	5.3	5.60	38.6	1.58	5	1.9	27.2	78	40
STD DS7	Standard	0.52	35.9	5.3	<0.05	5.0	5.92	37.9	1.69	4	1.5	29.6	60	39
STD DS7	Standard	0.60	32.8	4.8	<0.05	5.0	5.89	38.4	1.54	2	1.8	26.7	77	44
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
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
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Radius Gold Inc.**
830 - 355 Burrard St.
Vancouver BC V6C 2G8 Canada

Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: September 07, 2010
Report Date: September 21, 2010
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI10000418.1

CLIENT JOB INFORMATION

Project: Rivier
Shipment ID: 2010-XX
P.O. Number: NA-10337
Number of Samples: 34

SAMPLE DISPOSAL

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

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

Invoice To: Radius Gold Inc.
830 - 355 Burrard St.
Vancouver BC V6C 2G8
Canada

CC: database backup
Simon Ridgway
Scott Turton

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	34	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	34	Dry at 60C			WHI
1F05	32	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
RJSV	34	Saving all or part of Soil Reject			WHI

ADDITIONAL COMMENTS



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



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

www.acmelab.com

Client: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: September 21, 2010

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

WHI10000418.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		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
RDU-SLT-001	Silt	1.65	34.87	23.92	114.4	640	526.8	35.5	825	4.10	423.5	1.0	22.7	4.2	27.8	0.83	8.03	0.23	22	0.50	0.113
RDU-SLT-002	Silt	3.71	35.35	25.97	104.8	502	570.7	36.1	923	4.18	356.0	1.2	98.4	4.6	27.1	0.77	8.15	0.22	23	0.51	0.106
RDU-SLT-003	Silt	1.84	32.48	27.80	92.8	471	649.7	37.1	650	3.95	226.3	1.0	13.0	4.5	24.7	0.65	6.27	0.24	27	0.44	0.105
RDU-SLT-004	Silt	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
RDU-SLT-005	Silt	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
RDU-SLT-006	Silt	4.04	58.51	29.41	143.8	395	114.0	23.7	693	4.01	162.2	1.6	9.1	8.1	32.0	0.82	4.46	0.27	24	0.55	0.118
RDU-SLT-007	Silt	3.96	56.69	37.96	145.6	401	102.1	23.4	963	4.50	167.3	2.1	8.2	6.8	28.3	0.98	3.51	0.25	26	0.49	0.109
RDU-SLT-008	Silt	3.44	41.01	27.89	121.6	184	88.5	22.5	1033	4.43	146.7	1.1	3.0	7.0	24.5	0.66	2.12	0.24	30	0.46	0.102
RDU-SLT-009	Silt	2.26	44.00	29.89	128.6	237	89.6	24.5	931	4.60	91.5	1.2	3.6	7.2	30.3	0.66	1.93	0.23	35	0.55	0.119
RDU-SLT-010	Silt	1.31	22.53	18.12	112.6	100	45.0	17.1	816	2.90	28.9	1.3	1.2	4.9	29.9	0.69	1.06	0.16	33	0.49	0.109
RDU-SLT-011	Silt	1.44	26.20	20.52	120.7	144	48.9	15.8	693	2.89	26.5	1.5	5.5	4.2	36.0	0.69	1.31	0.22	34	0.60	0.112
RDU-SLT-012	Silt	1.30	24.70	18.07	119.5	147	52.6	15.3	562	2.86	26.7	1.1	2.5	4.7	34.6	0.68	1.11	0.18	32	0.60	0.114
RDU-SLT-013	Silt	1.63	34.43	17.84	139.3	248	60.7	14.6	538	2.63	26.1	1.3	2.8	3.4	54.7	1.22	1.15	0.18	30	0.96	0.134
RDU-SLT-014	Silt	5.21	65.00	25.13	581.9	328	144.3	38.4	1812	6.05	90.3	2.0	4.1	5.6	47.8	4.24	7.44	0.20	46	0.70	0.192
RDU-SLT-015	Silt	3.34	51.12	24.68	220.9	426	95.8	20.2	785	3.76	116.0	1.4	7.2	4.9	58.4	1.75	5.65	0.21	38	1.08	0.153
RDU-SLT-016	Silt	3.32	46.76	21.23	205.0	354	98.3	20.9	912	4.07	176.9	1.3	7.2	5.2	51.7	1.72	7.27	0.20	36	1.01	0.143
RDU-SLT-017	Silt	1.48	36.86	15.06	116.1	274	40.0	11.5	527	2.18	13.9	0.9	13.6	4.8	61.7	1.03	1.45	0.22	36	0.99	0.138
RDU-SLT-018	Silt	2.24	38.78	20.30	149.7	327	140.9	18.9	839	3.18	124.3	1.3	8.8	4.3	35.3	1.69	3.66	0.23	24	0.60	0.125
RDU-SLT-019	Silt	2.92	41.46	24.70	149.3	291	160.7	21.5	940	3.76	155.4	1.5	6.6	5.3	25.6	1.56	4.43	0.23	22	0.42	0.120
RDU-SLT-020	Silt	1.97	40.93	19.44	139.9	598	169.9	21.8	859	3.71	152.8	1.4	10.7	4.8	23.7	1.48	3.95	0.25	22	0.40	0.116
RDU-SLT-021	Silt	2.42	19.70	31.21	209.1	191	38.4	13.4	734	3.03	129.3	2.4	6.4	6.7	18.1	3.04	0.66	0.39	20	0.32	0.135
RDU-SLT-022	Silt	1.50	23.45	25.31	203.9	193	38.0	14.8	755	3.04	116.6	2.1	9.2	6.6	19.1	2.75	0.72	0.40	19	0.33	0.136
RDU-SLT-023	Silt	2.04	32.40	25.13	165.6	293	74.3	20.8	939	3.79	129.8	1.9	8.4	6.1	19.3	2.04	1.61	0.33	24	0.35	0.128
RDU-SLT-024	Silt	1.67	28.51	23.53	164.2	225	72.4	19.1	898	3.50	124.2	1.7	6.2	5.3	20.0	1.99	1.80	0.33	21	0.37	0.131
RDU-SLT-025	Silt	2.10	29.58	25.29	151.1	272	182.7	21.1	953	3.56	144.9	1.5	7.1	5.2	20.4	1.58	2.76	0.25	21	0.38	0.111
RDU-SLT-026	Silt	1.38	19.63	16.05	91.6	97	37.8	13.9	1850	3.01	76.4	2.1	18.9	6.1	37.1	0.51	0.51	0.45	29	0.54	0.105
RDU-SLT-027	Silt	2.64	19.46	25.72	83.7	77	45.6	15.6	2366	3.22	113.6	3.9	1.7	8.3	41.5	0.44	0.29	0.44	32	0.59	0.103
RDU-SLT-028	Silt	2.56	18.07	23.25	103.3	111	56.9	16.1	2139	3.31	56.7	1.4	0.3	6.0	34.0	0.72	1.05	0.45	32	0.52	0.101
RDU-SLT-029	Silt	2.11	19.09	22.59	100.9	91	62.6	15.6	1873	3.05	61.8	1.2	3.0	6.2	35.6	0.60	2.02	0.46	30	0.57	0.107
RDU-SLT-030	Silt	1.77	17.46	17.11	106.1	87	53.1	17.6	3851	3.68	74.2	1.2	2.5	6.0	40.2	0.65	0.63	0.35	29	0.56	0.103

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: September 21, 2010

Page: 2 of 3 Part 2

CERTIFICATE OF ANALYSIS

WHI10000418.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		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	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	
RDU-SLT-001	Silt	14.1	257.4	2.74	96.2	0.005	7	0.46	0.005	0.06	0.7	4.1	0.07	0.04	45	0.8	0.08	1.3	6.32	<0.1	0.04
RDU-SLT-002	Silt	15.9	319.4	3.14	112.1	0.008	11	0.57	0.007	0.09	0.7	4.4	0.08	0.04	42	1.1	0.03	1.6	6.44	<0.1	<0.02
RDU-SLT-003	Silt	17.4	371.9	3.57	136.2	0.014	12	0.78	0.006	0.09	0.8	4.5	0.08	0.04	61	1.6	0.04	2.0	8.28	<0.1	0.04
RDU-SLT-004	Silt	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
RDU-SLT-005	Silt	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
RDU-SLT-006	Silt	24.8	65.0	0.86	120.1	0.003	6	0.53	0.004	0.07	0.4	3.5	0.06	0.08	15	1.3	0.10	1.8	3.57	<0.1	0.04
RDU-SLT-007	Silt	21.7	52.5	0.68	128.7	0.002	2	0.60	0.003	0.06	0.3	3.8	0.05	0.04	18	1.1	0.03	2.1	1.95	<0.1	0.05
RDU-SLT-008	Silt	21.6	59.6	0.80	131.9	0.005	2	1.00	0.003	0.05	0.2	3.9	0.03	<0.02	11	0.6	0.05	3.4	1.04	<0.1	0.05
RDU-SLT-009	Silt	29.4	61.9	0.83	126.4	0.005	2	1.21	0.005	0.06	0.2	4.3	0.04	0.03	11	0.9	0.06	3.9	1.84	<0.1	0.06
RDU-SLT-010	Silt	25.2	39.8	0.59	229.0	0.017	2	1.04	0.006	0.10	0.1	3.2	0.06	0.03	18	0.9	0.02	3.4	5.21	<0.1	<0.02
RDU-SLT-011	Silt	27.4	45.8	0.61	240.6	0.021	3	1.12	0.007	0.11	0.2	3.2	0.07	0.04	39	1.3	0.03	3.7	6.09	<0.1	<0.02
RDU-SLT-012	Silt	26.4	50.1	0.62	231.7	0.018	2	1.05	0.006	0.10	0.2	3.1	0.07	0.04	38	1.2	<0.02	3.2	6.10	<0.1	<0.02
RDU-SLT-013	Silt	26.1	60.1	0.67	273.0	0.018	4	1.07	0.009	0.11	0.2	3.5	0.07	0.07	87	2.6	<0.02	3.1	6.99	<0.1	<0.02
RDU-SLT-014	Silt	26.8	78.0	0.65	268.6	0.008	3	0.76	0.005	0.08	0.6	6.8	0.08	0.04	59	1.7	0.03	2.7	5.68	<0.1	0.05
RDU-SLT-015	Silt	24.6	79.4	0.93	305.3	0.019	4	0.90	0.007	0.10	0.5	4.7	0.08	0.05	241	2.0	0.08	3.0	5.45	<0.1	<0.02
RDU-SLT-016	Silt	22.1	73.0	0.97	249.8	0.013	4	0.78	0.008	0.08	0.4	4.5	0.07	0.04	70	1.5	0.04	2.8	3.87	<0.1	0.04
RDU-SLT-017	Silt	16.9	37.7	0.70	305.5	0.023	3	0.90	0.008	0.09	0.2	2.7	0.12	0.04	129	1.1	0.04	2.9	7.62	<0.1	0.06
RDU-SLT-018	Silt	16.8	79.1	0.90	169.6	0.011	5	0.76	0.007	0.09	0.3	3.3	0.06	0.04	56	1.5	0.07	2.5	3.74	<0.1	0.04
RDU-SLT-019	Silt	17.0	96.4	1.03	125.1	0.008	4	0.77	0.005	0.10	0.3	3.5	0.04	0.02	24	1.2	0.04	2.4	2.94	<0.1	0.03
RDU-SLT-020	Silt	16.4	103.3	1.04	123.6	0.008	4	0.78	0.004	0.10	1.5	3.2	0.04	0.03	25	1.2	0.04	2.5	3.41	<0.1	0.03
RDU-SLT-021	Silt	20.5	32.0	0.34	76.3	0.008	2	0.62	0.003	0.11	0.2	2.6	0.06	<0.02	9	0.4	0.02	2.0	2.63	<0.1	0.02
RDU-SLT-022	Silt	21.1	25.5	0.35	78.1	0.009	1	0.64	0.003	0.11	0.2	2.4	0.06	0.02	6	0.5	0.03	2.0	2.27	<0.1	0.02
RDU-SLT-023	Silt	19.9	58.9	0.58	85.0	0.007	1	0.86	0.003	0.11	0.2	3.3	0.06	0.03	13	0.5	0.04	2.9	2.38	<0.1	0.03
RDU-SLT-024	Silt	17.9	51.8	0.58	88.3	0.006	2	0.80	0.004	0.10	0.2	3.1	0.06	0.04	12	0.8	0.02	2.6	2.66	<0.1	0.02
RDU-SLT-025	Silt	17.4	110.0	1.10	108.5	0.007	4	0.75	0.005	0.13	0.3	3.4	0.07	0.03	36	0.9	0.03	2.4	3.31	<0.1	<0.02
RDU-SLT-026	Silt	21.0	39.9	0.67	166.0	0.029	2	1.08	0.011	0.09	0.7	2.6	0.10	0.04	16	0.9	<0.02	3.7	1.93	<0.1	<0.02
RDU-SLT-027	Silt	25.8	59.3	0.80	142.1	0.048	2	1.28	0.016	0.14	1.3	3.0	0.17	0.04	12	0.9	0.03	4.4	2.76	<0.1	<0.02
RDU-SLT-028	Silt	19.9	57.7	0.75	213.7	0.030	5	1.06	0.012	0.09	0.7	2.8	0.09	0.04	6	0.8	<0.02	3.6	1.49	<0.1	<0.02
RDU-SLT-029	Silt	20.4	61.9	0.71	207.0	0.028	4	1.05	0.011	0.09	0.8	2.7	0.08	0.04	21	0.8	0.08	3.6	1.65	<0.1	<0.02
RDU-SLT-030	Silt	20.5	43.8	0.72	304.5	0.024	4	1.04	0.007	0.08	0.7	2.8	0.09	0.03	15	0.8	0.04	3.7	1.50	<0.1	<0.02

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: September 21, 2010

Page: 2 of 3 Part 3

CERTIFICATE OF ANALYSIS

WHI10000418.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	
RDU-SLT-001	Silt	0.11	5.6	2.6	<0.05	1.4	9.38	27.6	0.02	1	0.4	6.7	<10	<2
RDU-SLT-002	Silt	0.15	7.3	7.7	<0.05	1.7	9.29	30.9	<0.02	<1	0.3	9.5	<10	<2
RDU-SLT-003	Silt	0.19	8.2	8.5	<0.05	1.7	9.89	33.3	<0.02	<1	0.4	13.3	<10	2
RDU-SLT-004	Silt	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
RDU-SLT-005	Silt	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
RDU-SLT-006	Silt	0.10	5.2	0.7	<0.05	4.2	9.78	49.3	0.03	<1	0.2	8.1	<10	<2
RDU-SLT-007	Silt	0.09	4.0	1.2	<0.05	3.1	11.01	41.1	0.02	2	0.3	8.6	<10	<2
RDU-SLT-008	Silt	0.37	2.9	4.0	<0.05	3.9	9.53	42.1	<0.02	2	0.2	13.6	<10	<2
RDU-SLT-009	Silt	0.15	4.9	2.7	<0.05	3.0	12.34	54.9	<0.02	1	0.2	15.6	<10	<2
RDU-SLT-010	Silt	0.27	9.6	1.1	<0.05	0.6	11.13	49.3	0.02	<1	0.4	16.7	<10	<2
RDU-SLT-011	Silt	0.38	11.2	2.4	<0.05	0.5	12.75	51.7	<0.02	<1	0.4	17.5	<10	<2
RDU-SLT-012	Silt	0.47	10.9	1.3	<0.05	0.7	12.12	48.6	0.02	<1	0.4	16.3	<10	<2
RDU-SLT-013	Silt	0.56	10.6	2.8	<0.05	0.9	14.39	43.9	<0.02	2	0.4	14.7	<10	<2
RDU-SLT-014	Silt	0.19	9.2	1.9	<0.05	1.7	13.87	52.7	0.05	1	0.8	9.8	<10	<2
RDU-SLT-015	Silt	0.40	9.8	5.4	<0.05	3.5	12.76	45.6	<0.02	6	0.6	12.9	<10	<2
RDU-SLT-016	Silt	0.31	7.4	2.9	<0.05	2.1	10.94	41.3	0.03	2	0.7	11.7	<10	<2
RDU-SLT-017	Silt	0.68	9.5	0.9	<0.05	3.7	10.04	32.9	0.02	2	0.6	14.9	<10	<2
RDU-SLT-018	Silt	0.27	7.4	4.1	<0.05	1.5	9.50	32.7	<0.02	<1	0.4	15.1	<10	<2
RDU-SLT-019	Silt	0.16	6.8	6.0	<0.05	2.0	9.02	34.3	<0.02	2	0.3	15.8	<10	2
RDU-SLT-020	Silt	0.17	6.8	2.9	<0.05	1.5	9.02	33.6	<0.02	1	0.5	16.8	<10	<2
RDU-SLT-021	Silt	0.14	8.9	3.9	<0.05	1.2	16.93	41.6	<0.02	<1	0.5	21.2	<10	<2
RDU-SLT-022	Silt	0.14	8.5	0.6	<0.05	1.1	15.82	42.5	<0.02	<1	0.4	20.9	<10	<2
RDU-SLT-023	Silt	0.10	8.4	3.7	<0.05	1.6	12.72	40.7	<0.02	<1	0.4	21.5	<10	<2
RDU-SLT-024	Silt	0.12	7.7	3.3	<0.05	1.5	11.69	37.1	<0.02	<1	0.4	20.4	<10	<2
RDU-SLT-025	Silt	0.15	9.1	6.7	<0.05	1.8	10.84	35.1	<0.02	2	0.5	17.7	<10	<2
RDU-SLT-026	Silt	0.46	13.2	2.9	<0.05	0.6	10.46	42.0	<0.02	<1	0.5	19.8	<10	<2
RDU-SLT-027	Silt	0.56	20.0	9.2	<0.05	0.3	13.33	52.4	<0.02	<1	0.5	25.4	<10	<2
RDU-SLT-028	Silt	0.53	11.1	8.5	<0.05	1.4	9.25	40.7	<0.02	<1	0.7	17.0	<10	<2
RDU-SLT-029	Silt	0.50	12.1	7.7	<0.05	1.3	9.20	40.5	<0.02	1	0.5	18.1	<10	<2
RDU-SLT-030	Silt	0.48	9.1	4.4	<0.05	1.7	8.82	41.0	<0.02	<1	0.4	16.9	<10	<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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: September 21, 2010

Page: 3 of 3 Part 1

CERTIFICATE OF ANALYSIS

WHI10000418.1

Method	1F15	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	
RDU-SLT-031	Silt	1.79	18.87	16.77	109.5	85	50.1	17.2	3153	3.73	86.5	1.3	2.5	5.9	41.1	0.59	0.74	0.46	32	0.57	0.102
RDU-SLT-032	Silt	1.73	18.46	16.32	102.7	64	48.8	17.4	3729	3.87	72.1	1.1	0.6	6.5	37.2	0.52	0.61	0.30	32	0.54	0.103
RDU-SLT-034	Silt	1.99	24.88	20.12	113.5	91	66.7	22.1	2479	4.11	60.7	1.6	2.0	6.7	40.5	0.65	1.00	0.26	33	0.46	0.103
RDU-SLT-035	Silt	2.04	24.92	20.46	133.4	118	79.9	25.7	5366	4.75	66.4	1.3	1.6	6.6	51.0	0.92	1.01	0.31	36	0.57	0.111



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: Radius Gold Inc.
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
Report Date: September 21, 2010

Page: 3 of 3 Part 2

CERTIFICATE OF ANALYSIS

WHI10000418.1

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	
RDU-SLT-031	Silt	20.0	39.4	0.72	267.6	0.022	2	1.10	0.009	0.07	0.7	3.0	0.07	0.03	12	0.6	<0.02	3.9	1.52	<0.1	0.02
RDU-SLT-032	Silt	19.8	42.1	0.76	279.6	0.026	3	1.09	0.007	0.07	0.5	3.0	0.07	0.03	<5	0.7	0.02	4.1	1.30	<0.1	<0.02
RDU-SLT-034	Silt	23.9	54.9	0.72	202.3	0.014	1	1.23	0.011	0.06	0.4	3.4	0.05	<0.02	10	0.5	<0.02	4.3	1.82	<0.1	0.04
RDU-SLT-035	Silt	24.7	53.4	0.82	370.7	0.016	2	1.32	0.011	0.07	0.5	3.4	0.07	0.03	12	0.7	0.04	4.7	1.53	<0.1	0.06



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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: September 21, 2010

Page: 3 of 3 Part 3

CERTIFICATE OF ANALYSIS

WHI10000418.1

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	
RDU-SLT-031	Silt	0.37	8.6	4.1	<0.05	1.2	8.98	39.3	<0.02	<1	0.5	17.8	<10	<2
RDU-SLT-032	Silt	0.42	8.3	4.3	<0.05	1.9	8.42	38.6	0.02	<1	0.4	17.3	<10	<2
RDU-SLT-034	Silt	0.23	6.4	3.9	<0.05	2.2	8.49	47.7	0.02	<1	0.3	19.3	<10	<2
RDU-SLT-035	Silt	0.34	7.1	3.6	<0.05	2.5	9.53	49.2	<0.02	<1	0.4	18.9	<10	<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: Radius Gold Inc.
830 - 355 Burrard St.
Vancouver BC V6C 2G8 Canada

Project: Rivier

Report Date: September 21, 2010

Page: 1 of 1 **Part** 1

QUALITY CONTROL REPORT

WHI10000418.1

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																					
RDU-SLT-015	Silt	3.34	51.12	24.68	220.9	426	95.8	20.2	785	3.76	116.0	1.4	7.2	4.9	58.4	1.75	5.65	0.21	38	1.08	0.153
REP RDU-SLT-015	QC	3.25	52.28	26.03	237.0	452	99.2	21.2	810	3.91	120.8	1.4	8.3	5.1	60.8	1.89	5.80	0.22	41	1.12	0.162
RDU-SLT-034	Silt	1.99	24.88	20.12	113.5	91	66.7	22.1	2479	4.11	60.7	1.6	2.0	6.7	40.5	0.65	1.00	0.26	33	0.46	0.103
REP RDU-SLT-034	QC	2.02	26.61	21.55	121.3	109	70.7	23.7	2654	4.41	63.0	1.2	0.7	7.2	45.8	0.70	1.13	0.29	34	0.50	0.110
Reference Materials																					
STD DS7	Standard	19.02	102.7	65.22	359.6	881	52.7	8.6	552	2.13	46.2	4.6	61.0	4.3	68.4	6.03	5.54	4.43	72	0.88	0.072
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



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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: September 21, 2010

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

WHI10000418.1

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																					
RDU-SLT-015	Silt	24.6	79.4	0.93	305.3	0.019	4	0.90	0.007	0.10	0.5	4.7	0.08	0.05	241	2.0	0.08	3.0	5.45	<0.1	<0.02
REP RDU-SLT-015	QC	25.6	82.4	0.97	322.3	0.020	6	0.94	0.008	0.11	0.4	5.1	0.10	0.05	132	2.2	0.02	3.2	5.79	<0.1	0.06
RDU-SLT-034	Silt	23.9	54.9	0.72	202.3	0.014	1	1.23	0.011	0.06	0.4	3.4	0.05	<0.02	10	0.5	<0.02	4.3	1.82	<0.1	0.04
REP RDU-SLT-034	QC	25.8	56.3	0.74	229.8	0.018	2	1.27	0.013	0.07	0.4	3.4	0.06	0.02	15	0.7	0.08	4.6	2.18	<0.1	0.05
Reference Materials																					
STD DS7	Standard	12.4	182.9	0.92	352.7	0.115	37	0.89	0.088	0.40	3.2	2.4	3.78	0.18	206	2.9	1.19	4.2	5.77	0.1	0.07
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



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: Radius Gold Inc.
830 - 355 Burrard St.
Vancouver BC V6C 2G8 Canada

Project: Rivier

Report Date: September 21, 2010

Page: 1 of 1 **Part** 3

QUALITY CONTROL REPORT

WHI10000418.1

Method		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														
RDU-SLT-015	Silt	0.40	9.8	5.4	<0.05	3.5	12.76	45.6	<0.02	6	0.6	12.9	<10	<2
REP RDU-SLT-015	QC	0.44	10.2	5.3	<0.05	1.8	12.94	48.3	0.04	1	0.4	13.7	<10	<2
RDU-SLT-034	Silt	0.23	6.4	3.9	<0.05	2.2	8.49	47.7	0.02	<1	0.3	19.3	<10	<2
REP RDU-SLT-034	QC	0.34	7.5	4.7	<0.05	2.5	9.34	51.5	<0.02	1	0.2	19.2	<10	<2
Reference Materials														
STD DS7	Standard	0.72	32.3	4.5	<0.05	4.3	5.88	35.8	1.48	3	1.5	24.4	57	41
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



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

www.acmelab.com

Client: **Radius Gold Inc.**
830 - 355 Burrard St.
Vancouver BC V6C 2G8 Canada

Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: September 07, 2010
Report Date: October 13, 2010
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI10000419.1

CLIENT JOB INFORMATION

Project: Rivier
Shipment ID: 2010-XX
P.O. Number: NA-10337
Number of Samples: 22

SAMPLE DISPOSAL

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

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

Invoice To: Radius Gold Inc.
830 - 355 Burrard St.
Vancouver BC V6C 2G8
Canada

CC: Simon Ridgway
database backup
Scott Turton

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	22	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01	22	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1D01	22	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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

www.acmelab.com

Client: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 13, 2010

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI10000419.1

Method	WGHT	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	
114501	Rock	1.79	<2	<1	24	<3	9	<0.3	1260	50	315	2.45	<2	<2	<2	142	0.6	5	<3	19	2.03
114502	Rock	1.20	17	<1	5	<3	4	<0.3	719	32	462	2.41	697	<2	<2	10	<0.5	75	<3	9	0.33
114503	Rock	0.96	<2	<1	1	<3	12	<0.3	39	<1	180	0.71	9	<2	<2	215	<0.5	<3	<3	2	6.99
114504	Rock	0.65	24	<1	2	<3	16	<0.3	898	47	320	3.03	575	<2	<2	9	0.5	8	<3	9	0.09
114505	Rock	0.68	137	<1	5	6	3	0.4	1340	51	549	2.88	555	<2	<2	207	0.6	18	<3	8	1.76
114506	Rock	0.45	<2	<1	2	<3	6	<0.3	2163	124	729	5.71	181	<2	<2	1	1.1	5	<3	18	0.01
114507	Rock	0.70	<2	<1	1	3	<1	0.6	970	34	700	3.73	402	<2	<2	24	<0.5	39	<3	9	0.92
114508	Rock	0.80	11	<1	3	<3	3	1.4	1112	52	641	4.03	1043	<2	<2	41	0.8	106	<3	13	1.39
114509	Rock	0.79	<2	<1	<1	<3	<1	<0.3	1501	50	548	3.26	12	<2	<2	18	0.6	<3	<3	12	0.42
114510	Rock	0.81	55	<1	3	<3	22	<0.3	509	25	758	2.30	283	<2	<2	615	0.6	<3	<3	7	10.05
114511	Rock	0.66	3	<1	8	<3	<1	<0.3	749	37	426	2.39	52	<2	<2	64	<0.5	9	<3	10	0.95
114512	Rock	0.53	4	<1	14	<3	3	<0.3	1251	50	618	3.58	152	<2	<2	38	0.7	46	<3	12	0.80
114513	Rock	1.34	6	<1	26	<3	3	0.7	689	42	615	3.22	189	<2	<2	37	0.7	21	<3	11	1.02
114514	Rock	0.61	21	<1	3	<3	11	<0.3	1011	45	361	3.25	268	<2	<2	19	0.5	32	<3	9	0.12
114515	Rock	0.60	176	<1	2	<3	1	<0.3	1323	61	766	2.93	1042	<2	<2	18	<0.5	38	<3	7	0.60
114516	Rock	0.98	52	<1	<1	<3	2	<0.3	965	54	375	2.96	303	<2	<2	136	0.7	8	<3	7	0.66
114517	Rock	0.99	15	<1	4	<3	<1	<0.3	1038	43	451	2.65	390	<2	<2	10	<0.5	66	<3	13	0.34
114518	Rock	0.93	27	<1	4	<3	<1	<0.3	1288	62	155	3.93	728	<2	<2	12	0.6	70	<3	13	0.21
114520	Rock	1.15	<2	<1	<1	<3	5	<0.3	1693	92	256	4.80	5	<2	<2	1	0.8	<3	<3	17	0.19
114521	Rock	0.81	<2	<1	<1	<3	1	<0.3	473	21	676	2.41	70	<2	<2	26	<0.5	6	<3	5	0.44
114522	Rock	0.60	<2	<1	1	<3	<1	0.4	385	16	1151	1.51	424	<2	<2	442	<0.5	60	<3	5	8.53
114523	Rock	0.93	31	<1	11	<3	19	0.6	7	<1	132	0.44	254	<2	<2	101	<0.5	6	<3	<1	1.99



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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 13, 2010

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

WHI10000419.1

Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Sc	Ga	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	5	5	
114501	Rock	<0.001	2	699	13.45	26	<0.001	<20	0.40	<0.01	0.03	<2	<0.05	13	<5
114502	Rock	<0.001	<1	203	7.91	12	<0.001	<20	0.03	<0.01	0.01	<2	0.30	<5	<5
114503	Rock	<0.001	<1	9	4.56	5	<0.001	<20	0.01	<0.01	<0.01	<2	<0.05	<5	<5
114504	Rock	<0.001	2	253	14.31	23	<0.001	<20	0.02	<0.01	0.01	<2	0.06	<5	<5
114505	Rock	0.001	2	408	14.80	101	<0.001	<20	0.02	<0.01	<0.01	4	0.08	<5	<5
114506	Rock	<0.001	2	1434	17.03	6	0.001	134	0.13	<0.01	<0.01	<2	<0.05	7	<5
114507	Rock	<0.001	1	229	11.77	11	<0.001	<20	<0.01	<0.01	<0.01	<2	0.09	<5	<5
114508	Rock	<0.001	2	465	13.55	44	<0.001	<20	0.03	<0.01	<0.01	<2	0.28	<5	<5
114509	Rock	<0.001	2	619	14.13	9	<0.001	<20	0.14	<0.01	<0.01	<2	<0.05	5	<5
114510	Rock	<0.001	1	182	7.35	20	<0.001	<20	0.20	<0.01	0.03	<2	<0.05	<5	<5
114511	Rock	<0.001	2	175	14.27	14	<0.001	<20	0.03	<0.01	0.02	<2	<0.05	<5	<5
114512	Rock	<0.001	2	286	15.02	21	<0.001	<20	0.06	<0.01	0.03	<2	<0.05	6	<5
114513	Rock	<0.001	2	310	13.80	19	<0.001	<20	0.05	<0.01	0.03	<2	<0.05	7	<5
114514	Rock	<0.001	3	260	14.94	11	<0.001	<20	0.02	<0.01	0.02	<2	<0.05	<5	<5
114515	Rock	<0.001	2	226	14.82	12	<0.001	<20	0.02	<0.01	<0.01	<2	0.33	7	<5
114516	Rock	<0.001	2	162	14.57	11	<0.001	<20	0.02	<0.01	0.01	<2	0.11	<5	<5
114517	Rock	<0.001	2	361	12.83	23	<0.001	<20	0.04	<0.01	0.02	<2	0.08	5	<5
114518	Rock	<0.001	2	478	13.28	36	<0.001	<20	0.05	<0.01	0.02	2	0.44	9	<5
114520	Rock	<0.001	1	896	12.19	27	0.002	<20	0.33	<0.01	<0.01	<2	<0.05	<5	<5
114521	Rock	<0.001	1	112	7.69	6	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<5	<5
114522	Rock	<0.001	<1	194	5.33	11	<0.001	<20	0.05	<0.01	0.03	<2	<0.05	<5	<5
114523	Rock	<0.001	<1	4	1.35	9	<0.001	<20	0.02	<0.01	0.01	<2	<0.05	<5	<5



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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

www.acmelab.com

Client: **Radius Gold Inc.**
830 - 355 Burrard St.
Vancouver BC V6C 2G8 Canada

Project: Rivier

Report Date: October 13, 2010

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

WHI10000419.1

Method	WGHT	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	
Reference Materials																					
STD DS7	Standard		19	109	62	393	0.8	51	8	609	2.29	47	<2	5	71	5.6	4	5	76	0.93	
STD OREAS45PA	Standard		<1	598	15	116	0.3	307	103	1070	16.00	4	<2	7	13	1.2	<3	<3	214	0.24	
STD OXC72	Standard	207																			
STD OXC72	Standard	202																			
STD OXC72	Standard	199																			
STD OXC72	Standard	191																			
STD OXH66	Standard	1303																			
STD OXH66	Standard	1234																			
STD OXH66	Standard	1259																			
STD OXH66	Standard	1307																			
STD DS7 Expected			21	109	71	411	0.9	56	10	627	2.39	48	0.07	4	68	6.4	5	5	84	0.93	
STD OREAS45PA Expected			0.9	600	19	119	0.3	281	104	1130	16.559	4.2	0.043	6	14	0.09	0.13	0.18	221	0.2411	
STD OXH66 Expected		1285																			
STD OXC72 Expected		205																			
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01	
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
Prep Wash																					
G1	Prep Blank	<2	<1	2	<3	42	<0.3	<1	2	576	1.93	<2	<2	5	57	<0.5	<3	<3	34	0.49	
G1	Prep Blank	<2	<1	2	<3	43	<0.3	<1	3	543	1.95	<2	<2	6	59	<0.5	<3	<3	35	0.49	

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: **Radius Gold Inc.**
 830 - 355 Burrard St.
 Vancouver BC V6C 2G8 Canada

Project: Rivier
 Report Date: October 13, 2010

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

WHI10000419.1

Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Sc	Ga
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	5	5
Reference Materials															
STD DS7	Standard	0.070	12	195	1.01	404	0.114	32	1.00	0.09	0.45	<2	0.18	<5	<5
STD OREAS45PA	Standard	0.033	15	841	0.10	181	0.131	<20	3.52	<0.01	0.07	<2	<0.05	53	16
STD OXC72	Standard														
STD OXC72	Standard														
STD OXC72	Standard														
STD OXC72	Standard														
STD OXH66	Standard														
STD OXH66	Standard														
STD OXH66	Standard														
STD OXH66	Standard														
STD DS7 Expected		0.08	13	179	1.05	410	0.124	39	0.959	0.073	0.44	4	0.19		
STD OREAS45PA Expected		0.034	16.2	873	0.095	187	0.124		3.34	0.011	0.0665	0.011	0.03		
STD OXH66 Expected															
STD OXC72 Expected															
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<5	<5
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
Prep Wash															
G1	Prep Blank	0.069	14	2	0.44	111	0.118	<20	0.82	0.09	0.42	<2	<0.05	<5	<5
G1	Prep Blank	0.069	14	2	0.43	107	0.110	<20	0.81	0.10	0.42	<2	<0.05	<5	5

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.