

**GEOCHEMICAL REPORT ON THE LEOTA - MB (MINNIE BELL) CLAIMS,
DAWSON MINING DISTRICT, YUKON TERRITORY**

Claim Names and Grant Numbers: Leota MB 11, MB13, MB15, MB19, MB21 to 24 and MB 26
YC63911, YC63913, YC63915, YC63921, YC63922, YC63923, YC63924

NTS Map Sheet 115 O 15

Latitude N63° 54' 04.8", Longitude W138° 35' 32.0"

UTM Coordinates 618163E, 7088250N, Zone 7, NAD83

Dawson Mining District

Registered owners: Mark Pocklington and Ross Weitzel

Work performed: September 12 - 20, 2011

for

Goldbank Mining Corp.

by

Bohumil (Boris) Molak, PhD., P.Geo (BC)

Nathan Boylen &

Kevin Cooper

Date: March 16, 2012

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1. INTRODUCTION

The Leota Claim Block is situated approximately 45 km east-southeast of Dawson City, Yukon Territory and consists of 1018 contiguous, un-surveyed Quartz mining claims covering an area of over 210 square kilometers. The claim block occurs in the Dawson Mining District within the historical Klondike Goldfields. The property owners are M. Pocklington (50%) of Edmonton, Alberta and R. Weitzel (50%) of Whitehorse, Yukon. Goldbank Mining Corporation (Goldbank) of Vancouver, BC, optioned the claims from owners and as the date of this report acquired a 75 % interest in the Leota Property. In 2010 Goldbank entered into another option agreement with T. McMahon whereby it acquired interest in the Hasenfuss claims adjoining the Leota claims in the southwest and including a historical gold prospect Alphonse.

The soil sampling program on the Leota MB 11, 13, 15, 19, 21 to 24 and 26 (Minnie Bell) claims was carried out from September 12 to September 20, 2011 (Figs. 1, 2). The objectives were to detect precious and base metal anomalies in the soil as the indicators of *in situ* mineralization. The grid lines were oriented east - west to intersect the previously run spur lines where a few anomalous gold values were reported. A GPS unit was used to locate stations and record coordinates. A total of 294 soil samples were collected from the “C” soil horizon using a Dutch auger. The samples were prepared for analysis at the Acme Analytical Laboratories Ltd. prep facility in Dawson City and sent to AcmeLab in Vancouver for analysis.

A distinct, roughly north – south trending gold anomaly was detected near the centre of the grid. It occurs near the top of a topographic elevation and appears to be associated with the erosion resistant rocks. The anomaly is interpreted to indicate auriferous vein(s), a stringer zone or a zone of silicification. Another conspicuous anomaly made up of overlapping chromium-nickel-cobalt-magnesium values stretches from the northwest corner of the grid southeastwards. This multi-elemental, chromium group elements anomaly indicates an ultramafic body, which does not crop out at the surface and is not shown on existing geological maps. Gold does not correlate either spatially or statistically with any of the chromium group elements. While the gold anomaly tends to occupy higher ground, the chromium group element anomaly tends to follow a subdued topography, which may be associated with a fault or a thrust zone.

1.1. Location, Access and Topography

MB 11 – 26 claims are situated in the easternmost part of the Leota Claim Block (LCB), which stretches from 25 to 50 kilometers east to southeast of Dawson City, Yukon Territory. It is bordered in the north and east by the Klondike River and Minnie Bell Creek and in the south by the Hunker and Dominion Creeks and forms the eastern part of the historical Klondike Goldfields. LCB comprises 1018 claims covering an area of more than 210 sq. km. Access to the MB 11- 26 (Minnie Bell) claims from Dawson City is by Klondike HW 2 and by a well maintained dirt road that branches off the HW about 50 km east of Dawson and initially follows the eastern bank of the Allgold creek. Topography on the MB claims is gently rolling with the altitudes ranging from 570 meters at the Minnie Bell creek to 700 meters above sea level in the northwest.

1.2.The Claims

Table 1: Claim Status (Grouping Certificate HD03048).

Grant Number	Claim Name	Claim Owner	Expiry Date
YC63911	Leota MB 11	M. Pocklington (50%), R. Weitzel (50%)	2011-10-31
YC63913	Leota MB 13	M. Pocklington (50%), R. Weitzel (50%)	2011-10-31
YC63915	Leota MB 15	M. Pocklington (50%), R. Weitzel (50%)	2011-10-31
YC63919	Leota MB 19	M. Pocklington (50%), R. Weitzel (50%)	2011-10-31
YC63921	Leota MB 21	M. Pocklington (50%), R. Weitzel (50%)	2011-10-31
YC63922	Leota MB 22	M. Pocklington (50%), R. Weitzel (50%)	2011-10-31
YC63923	Leota MB 23	M. Pocklington (50%), R. Weitzel (50%)	2011-10-31
YC63924	Leota MB 24	M. Pocklington (50%), R. Weitzel (50%)	2011-10-31
YC63926	Leota MB 26	M. Pocklington (50%), R. Weitzel (50%)	2011-10-31

1.3. Terms of Reference

This report summarizes the results of a soil sampling program that was conducted on the selected MB (Minnie Bell) claims in September 2011. The objective was to follow up on the previous spur survey, which detected isolated gold anomalies. For parts of this report the writer has relied on the Technical Report by C. H. Ash (2010), on the Yukon Exploration and Geological Services Division assessment and open file reports, on the geo-scientific publications and the Yukon Department of Energy, Mines and Resources (YDEMR) Internet applications. The information reported by other experts who are not qualified persons for this report are quoted in the Referen-



Fig. 1: Index map with location of MB (Minnie Bell) Claims

ces chapter and are to the best of the writer's knowledge and experience correct and suitable for inclusion in this report. Claim descriptions provided herein have been excerpted from the YDEMR electronic application and relate to the status as of February 14, 2012. Item 2011 Geochemical Survey Expenses was prepared by Goldbank Mining Corp.

2. PREVIOUS EXPLORATION

The Minnie Bell Creek area received little prospecting and exploration work in the past. Early prospectors and miners focused more on the nearby Allgold Creek and on the Dominion Creek areas situated a few kilometers west and south. Yukon Geological Survey geologists mapped and investigated the broader area since the first half of the past century. Bostock (1942) completed a geological map at 1:250,000 scale, Debicki and co-workers (1985) mapped the area south and east of Dawson City at 1:50,000 scale and Mortensen (1996) completed the map at 1:50,000 scale covering the NTS maps 115 O/13, 14 and parts of 115 O/15 and 16. Gordey and Makepeace (2003) prepared a geological compilation of the entire Yukon and Gordey and Ryan

(2005) released a geological compilation for the Stewart River map sheet (115N&O) based on mapping conducted by themselves, Mortensen and others (Minfile 115 O 159). The geological maps included in the publications by MacKenzie et al (2007, 2008) are based on the Mortensen map (1996), where the Minnie Bell Creek area forms its easternmost part.

Ash (2006) mapped the area underlying the placer-rich portion of the Klondike goldfields to the immediate east of the Leota property area and noted that remnants of ophiolitic rocks form erosional remnants that are locally preserved on the high ground, often as isolated klippe. In his opinion, the gold mineralization at Lone Star and White are consistently localized within the suture zone between the hanging wall ophiolitic rocks and the footwall plutonic rocks (Ash, 2006; Doherty and Ash, 2005). Work on the Leota property further strengthened his belief that the lode gold mineralization in the Klondike region is structurally and lithologically controlled and spatially associated with the ophiolitic rocks (Ash, 2010).

3. REGIONAL GEOLOGY

The area is situated on the southwest side of the Tintina Trench within the Yukon – Tanana Terrane. The Klondike Goldfield is made up of meta-sedimentary and meta-igneous units belonging to Klondike Schist and Finlayson Assemblages and lesser amount of low-grade metamorphosed ultramafic rocks of the Slide Mountain Terrane (Mortensen in: MacKenzie et al, 2008). Regional scale thrust faulting in the Early Jurassic stacked these rocks into a series of thrust slices that are locally separated by lenses of sheared ultramafic rocks. They were then uplifted through the brittle-ductile transition in the Jurassic and unconformably overlain by locally derived sedimentary and volcanogenic rocks in the Late Cretaceous (Mortensen, 1996). The Klondike Goldfield was then offset approximately 450 km along the Tintina fault (Gabrielse et al., 2006). Erosion and minor uplift continued in the Late tertiary and resulted in the deposition of the Pliocene White Channel Gravels and their contained gold deposits (Lowey, 2005).

4. LOCAL GEOLOGY AND MINERALIZATION

The Minnie Bell Creek area is located on the east side of Allgold Creek, approximately 55 km southeast of Dawson City (Fig. 1). According to Debicki (1985), the area is underlain by various facies of quartzo-feldspathic schistose rocks of Triassic or older age. According to Mortensen (1996), the Minnie Bell Creek area is made up of Nasina Assemblage of Late (?) Devonian to Early Mississippian age, comprising medium to coarse grained mica schist, commonly garnetiferous, with amphibolite and minor quartzite and conglomerate. Locally garnetiferous, biotite-quartz-muscovite schist that occurs between the mouths of Allgold and Minnie Bell creeks is interpreted to be a higher-grade equivalent of the Nasina assemblage. In the geological map compiled by Gordie and Makepeace (2003) the Nasina assemblage (DMN1) comprises dark grey to black, fine grained graphitic and non-graphitic quartzite, grey micaceous quartzite and quartz muscovite ($\pm$ chlorite, $\pm$ feldspar augen) schist, locally garnetiferous; minor graphitic stretched metaconglomerate and metagrit. In the maps presented in the MacKenzie et al (2007, 2008) publications the Minnie Bell Creek area is underlain by the Finlayson Assemblage of Devonian to Mississippian age.

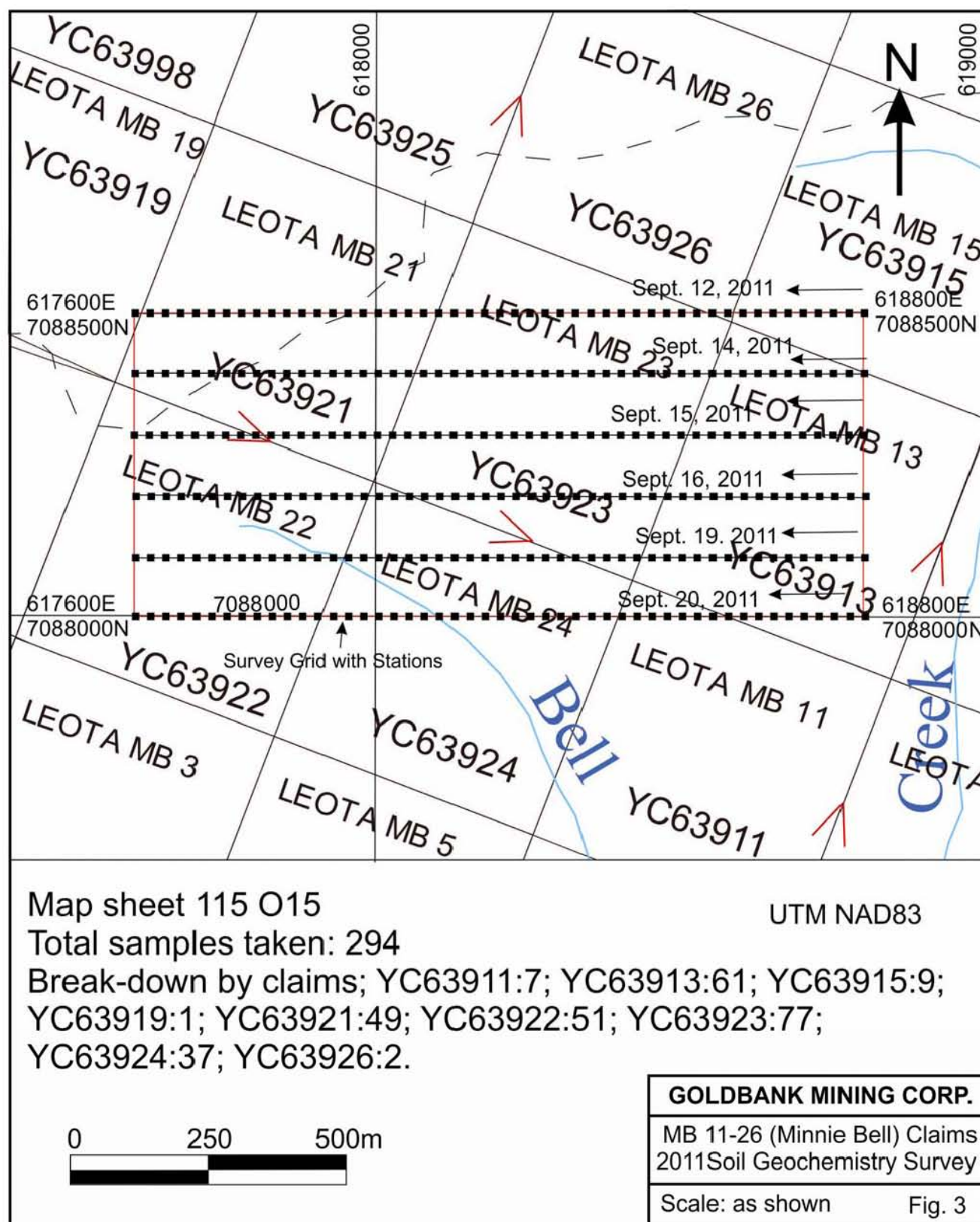
5. 2011 SOIL GEOCHEMISTRY SURVEY

The soil sampling program on the Leota MB 11, 13, 15, 19, 21 to 24 and 26 (Minnie Bell) claims was carried out intermittently from September 12 to September 20, 2011 (Figs. 1, 2, 3). The objectives of the program were to detect precious and base metal anomalies in the “C” soil horizon and to use them as guidance for further work. The grid was designed to cover the area where previous spur line detected anomalous gold values (Ash, 2010) and to construct maps of mono-elemental or multi-elemental anomalies. The writer of this report supervised the survey.

The samples were collected from “C” soil horizon using a Dutch auger. The samples were transferred into pre-numbered Kraft paper bags, closed and sealed with flagging tape. Each station was marked with a pre-numbered flag. A GPS unit was used to locate stations and record coordinates. A total of 294 soil samples were collected. The writer kept samples in a



Fig. 2: Map showing MB (Minnie Bell) claims and the 2011 soil survey grid (red rectangle).



safe place throughout the survey and personally dispatched the samples to Acme Analytical Laboratories Ltd. (AcmeLabs) prep facility in Dawson City. After preparation, the pulps were sent to AcmeLabs in Vancouver for analysis.

6. SAMPLE PREPARATION, ANALYSIS AND QUALITY ASSURANCE

AcmeLabs conducts the sample preparation and analyses in accordance with generally accepted analytical laboratory principles and practices. The samples are prepared by drying at 60° C and sieving 100g to -80 mesh (code SS80) and the analysis is performed on a 30 g pulp using Aqua Regia digestion and Ultratrace ICP-MS analysis (code 1F06) for 53 elements. The AcmeLabs assay certificates and the analytical QA check-ups are attached at the back of this report. Basic assay statistics and correlation matrix for selected elements are listed in tables 2 and 3 below.

Table 2: Basic Statistics

Basic Statistics	Gold	Silver	Copper	Chromium
average	6.188362	56.66041	25.65966	36.17235
min	<0.2	<2	5.73	7.1
max	463	219	150.15	287.7
median	2.6	49	23.87	27.3
standard deviation	34.0677	38.25227	13.46835	31.25633
75 percentile	3.7	73	29.36	34
90 percentile	4.88	109.8	39.064	69.6
95 percentile	6.36	133.8	43.428	96.58
98 percentile	16.764	150.68	60.2532	127.532
99 percentile	49.48	178.92	67.7592	154.908
ave + stand. dev.	40.26	94.91	39.13	67.43
ave + 2 stand. dev.	74.32	133.16	52.6	98.69
ave +3 stand. dev	108.39	171.42	66.06	129.94

Note: Au, Ag in ppb, Cu, Cr in ppm; yellow – fairly anomalous; orange – anomalous; red – highly anomalous.

The statistics and the diagrams for precious and base metals, chromium, nickel and other elements were prepared using the Excel program. The contouring and 3D surface mapping was made using the Surfer program of Golden Software Inc.

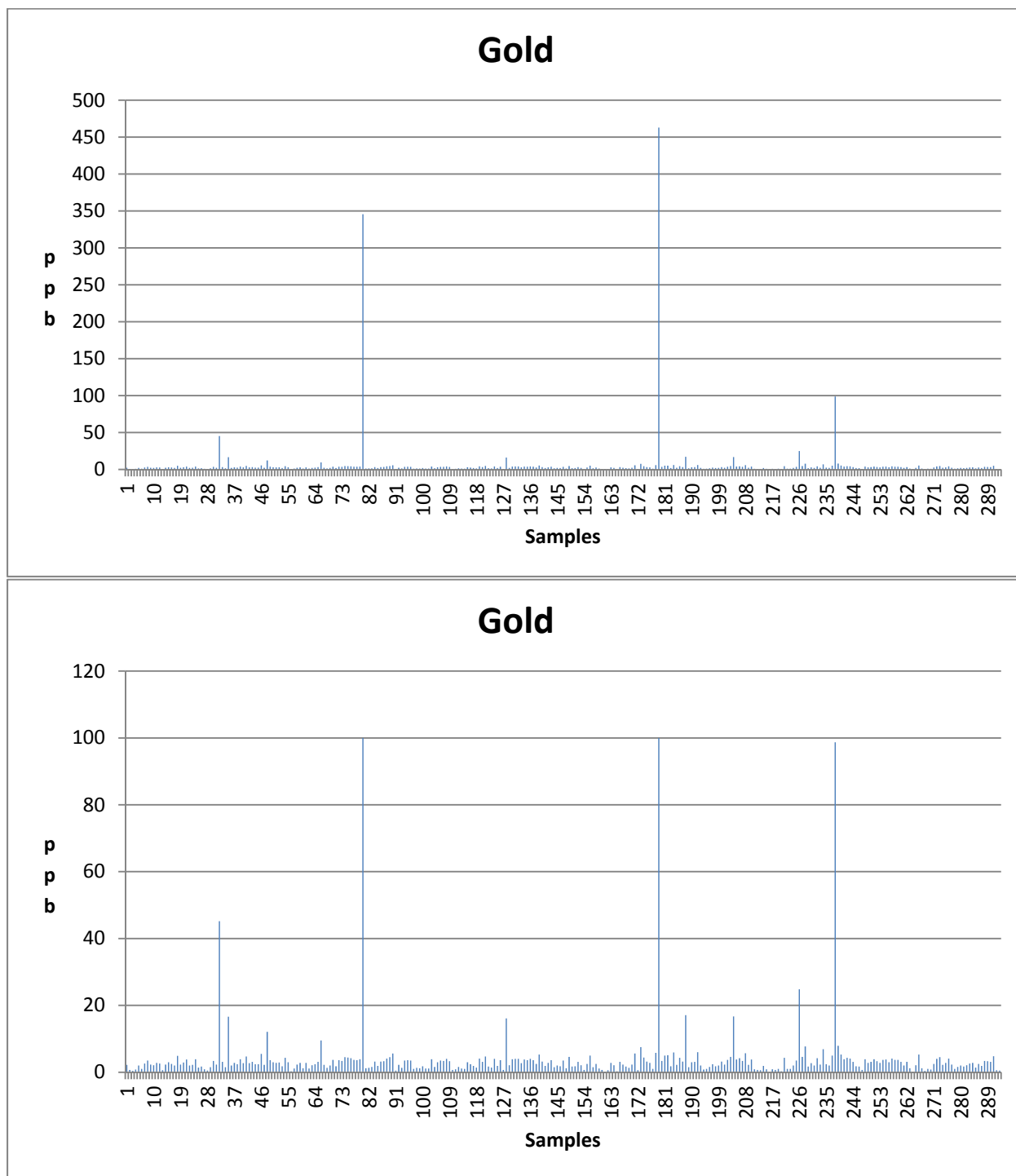


Fig. 4 a, b: Graphs for gold; gold values 345.6 and 463 ppb in the graph “b” (down) reduced to 100 ppb to better visualize the low gold values.

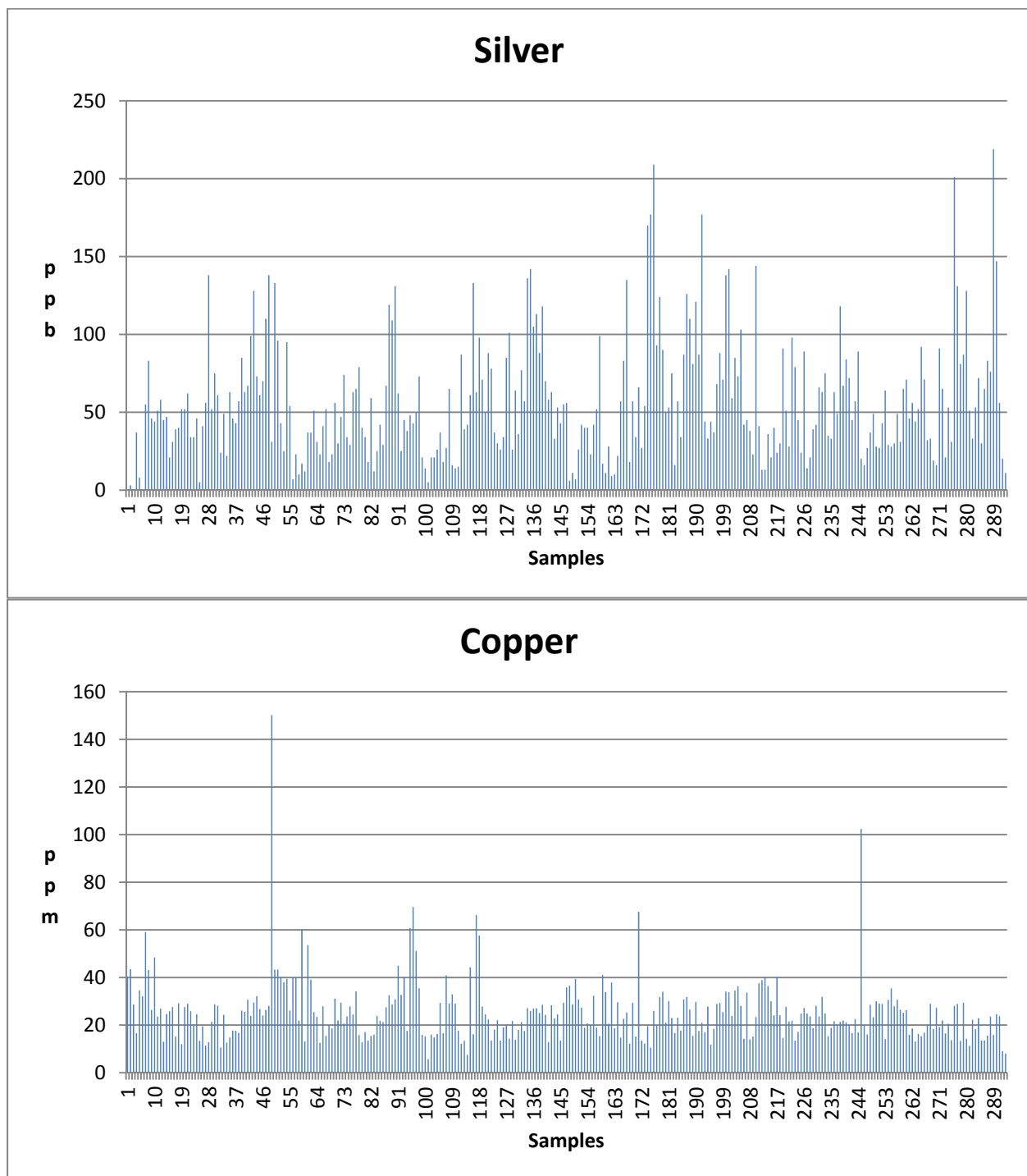


Fig. 5 a, b: Graphs for silver and copper; silver values <2 replaced by 0.5.

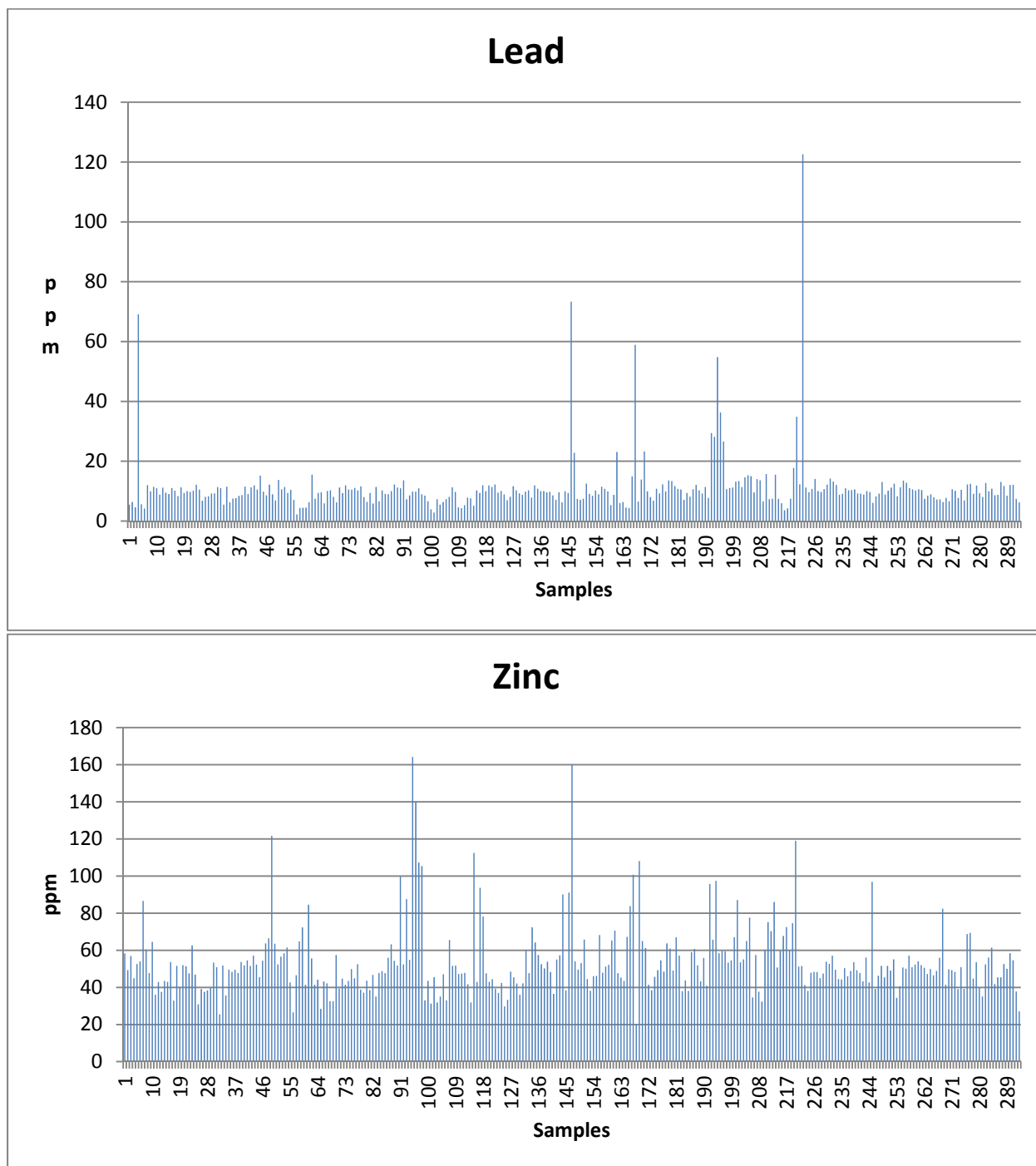


Fig. 6 a, b: Graphs for lead and zinc.

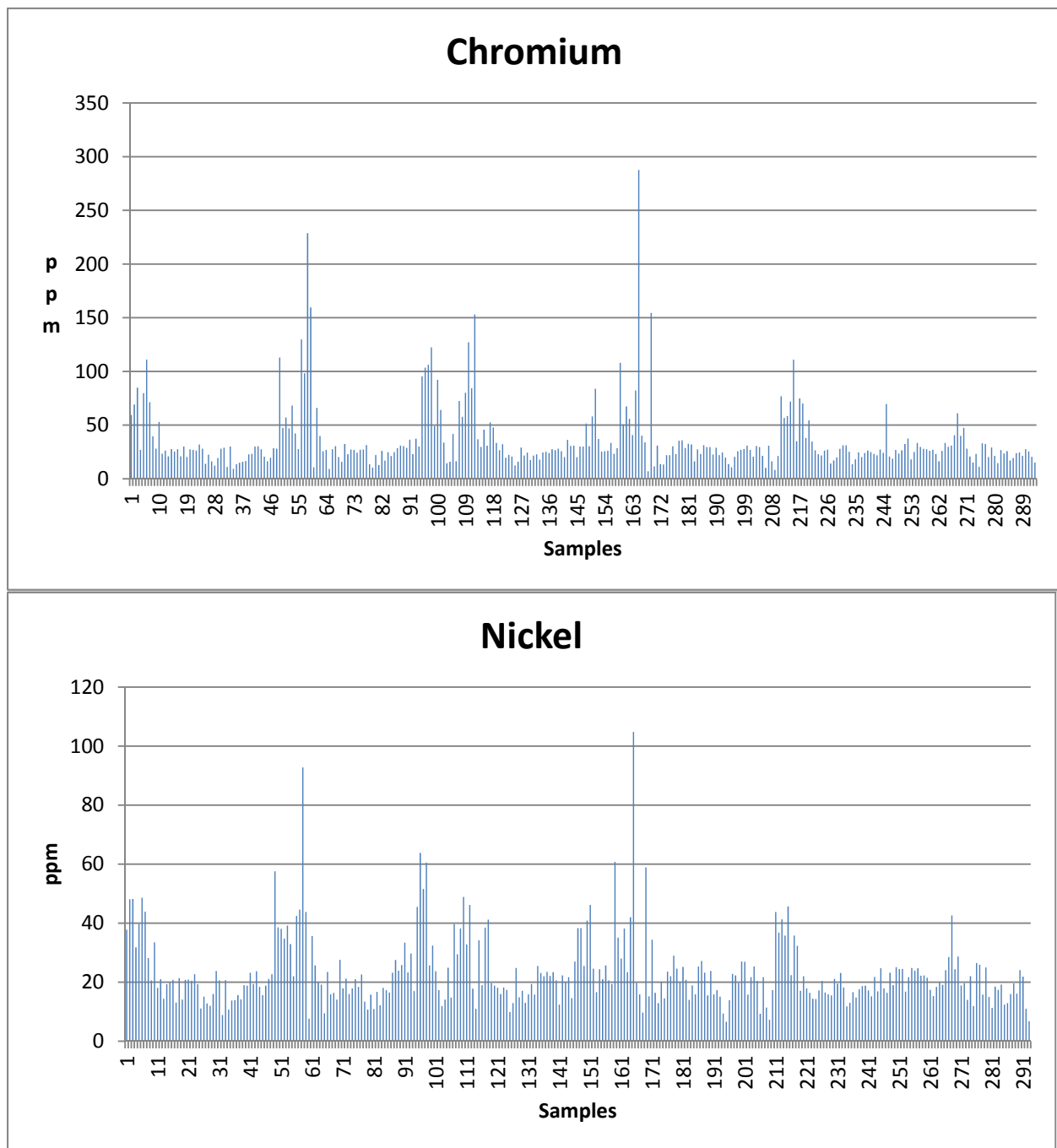


Fig. 7 a, b: Graphs for chromium and nickel.

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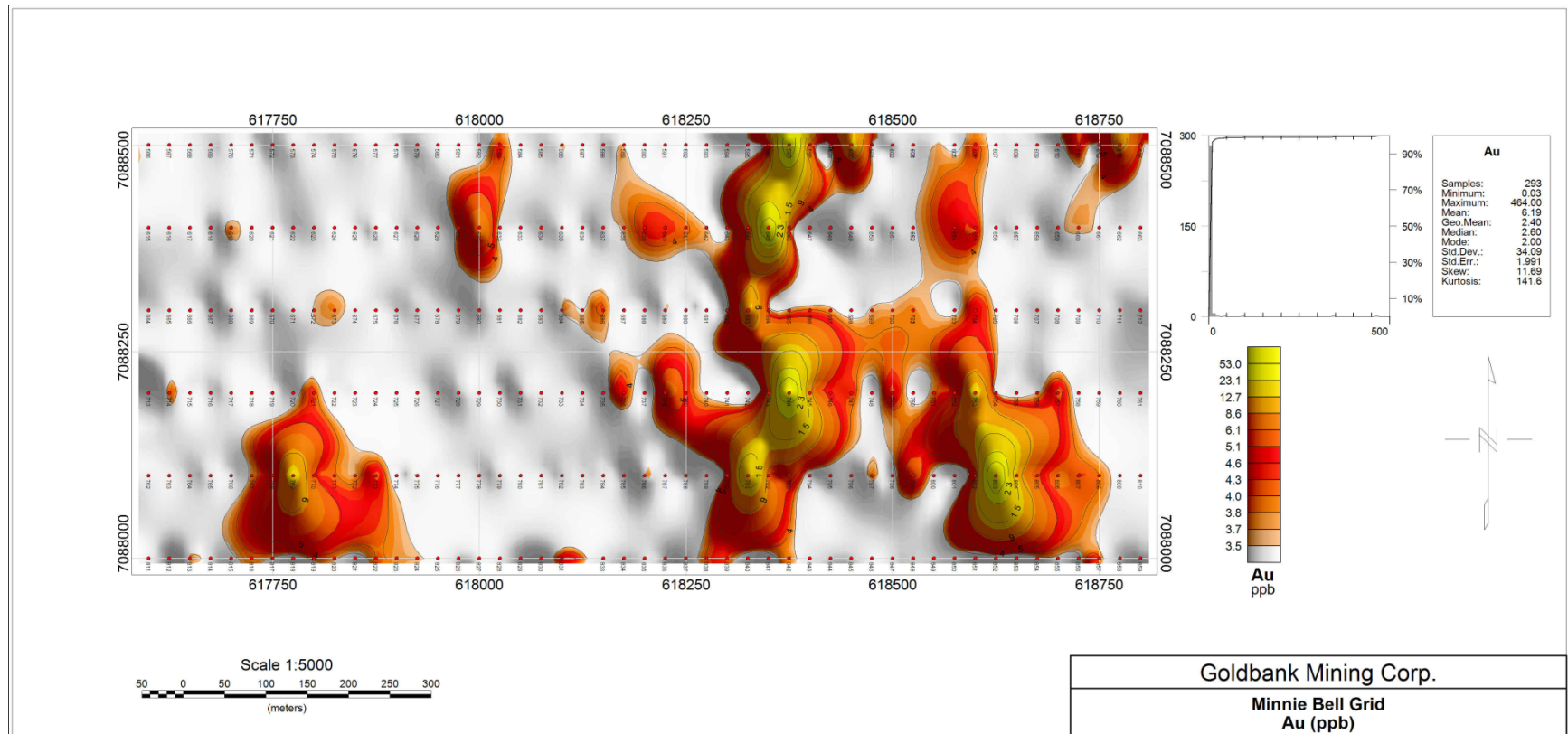


Fig. 8: MB 11 – 26 (Minnie Bell) claims. Gold in “C” soil horizon.

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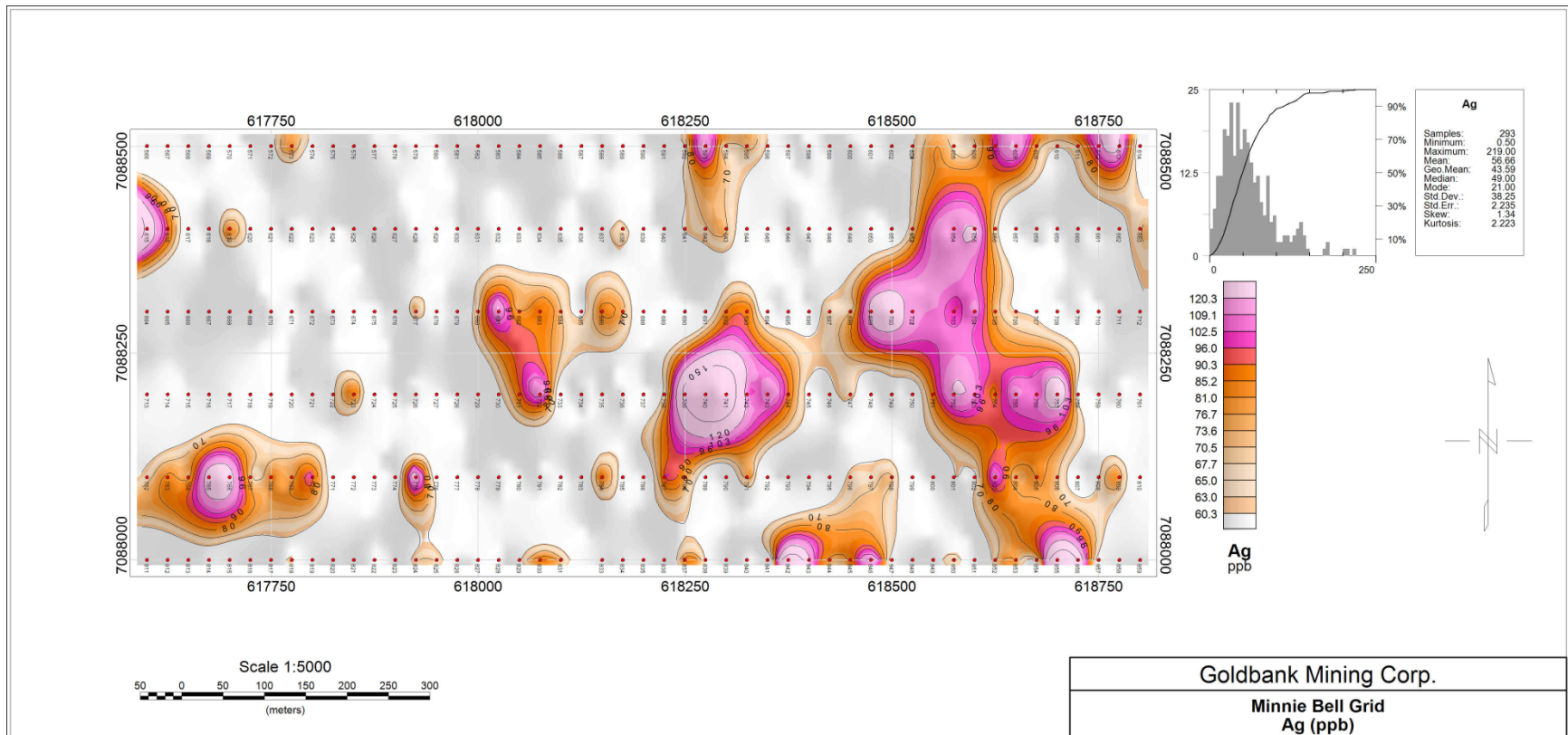


Fig. 9: MB 11 – 26 (Minnie Bell) claims. Silver in “C” soil horizon.

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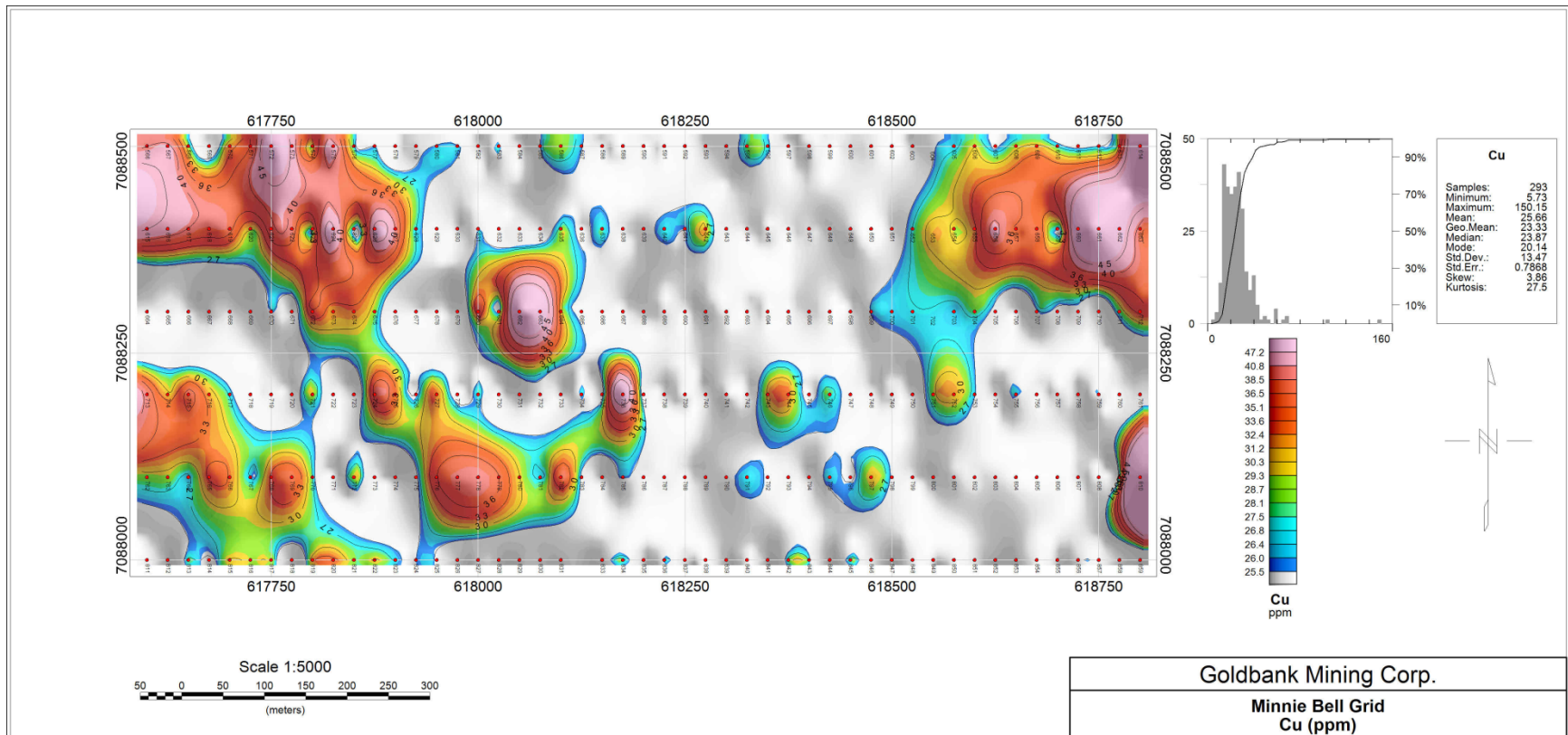


Fig. 10: MB 11 – 26 (Minnie Bell) claims. Copper in “C” soil horizon.

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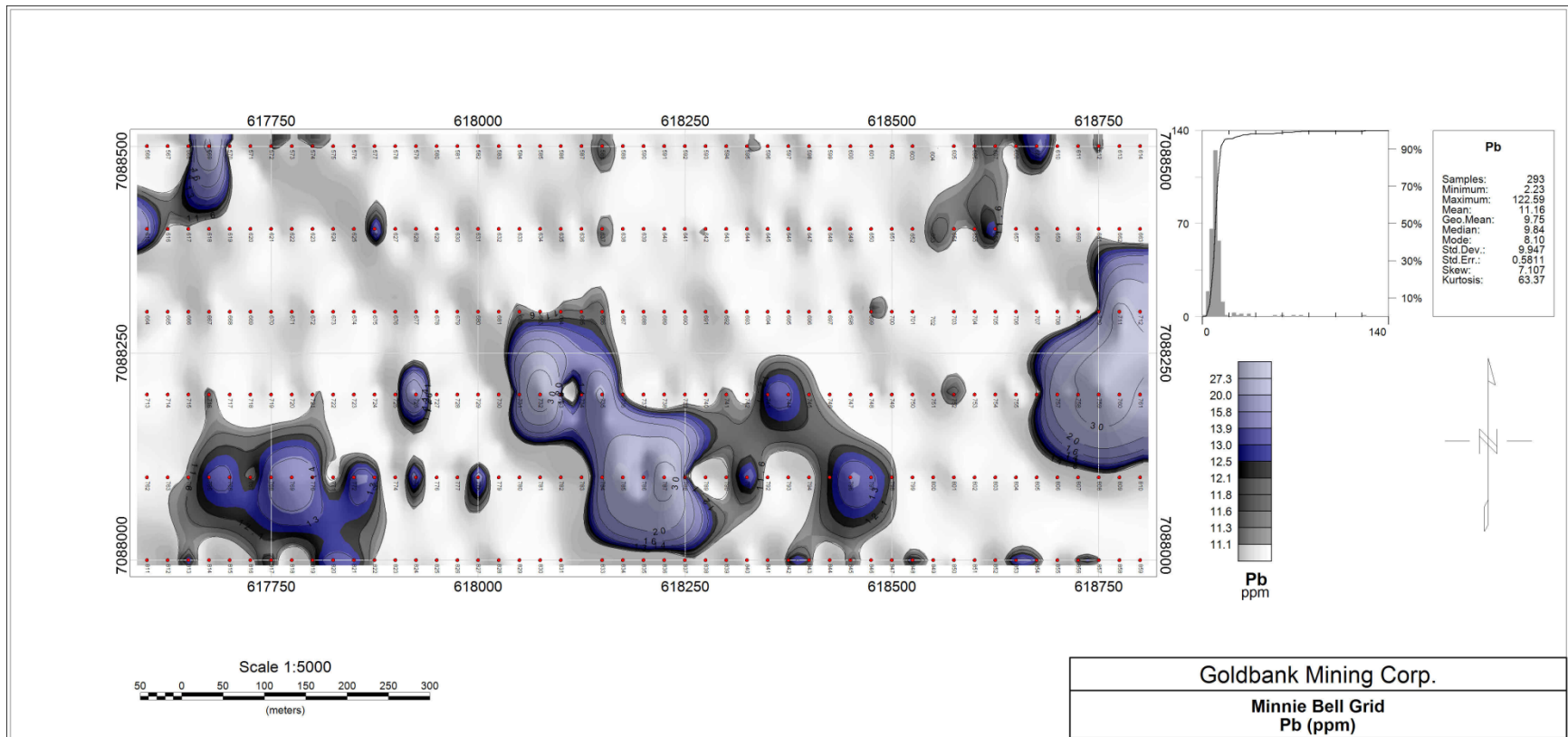


Fig. 11: MB 11 – 26 (Minnie Bell) claims. Lead in “C” soil horizon.

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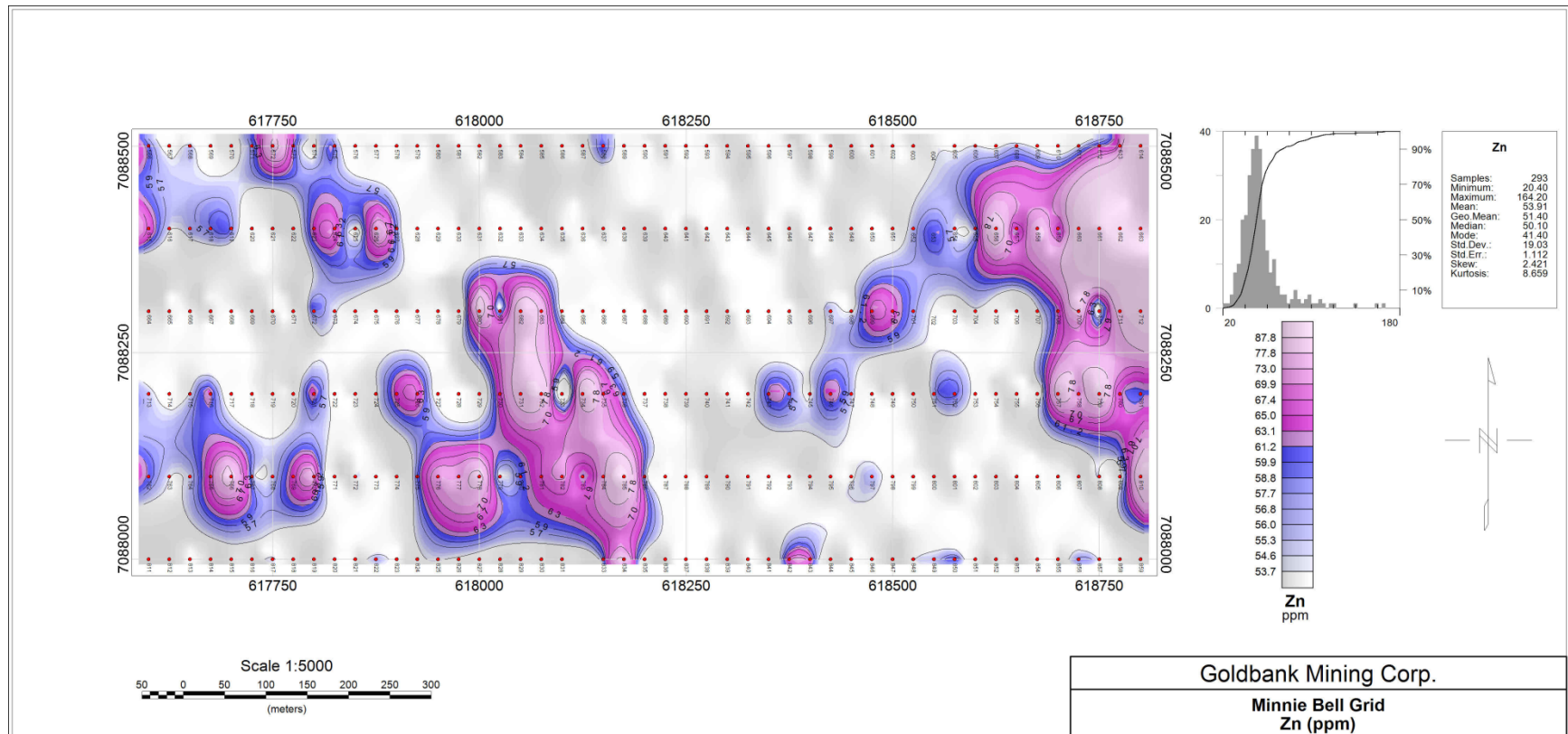


Fig. 12: MB 11 – 26 (Minnie Bell) claims. Zinc in “C” soil horizon.

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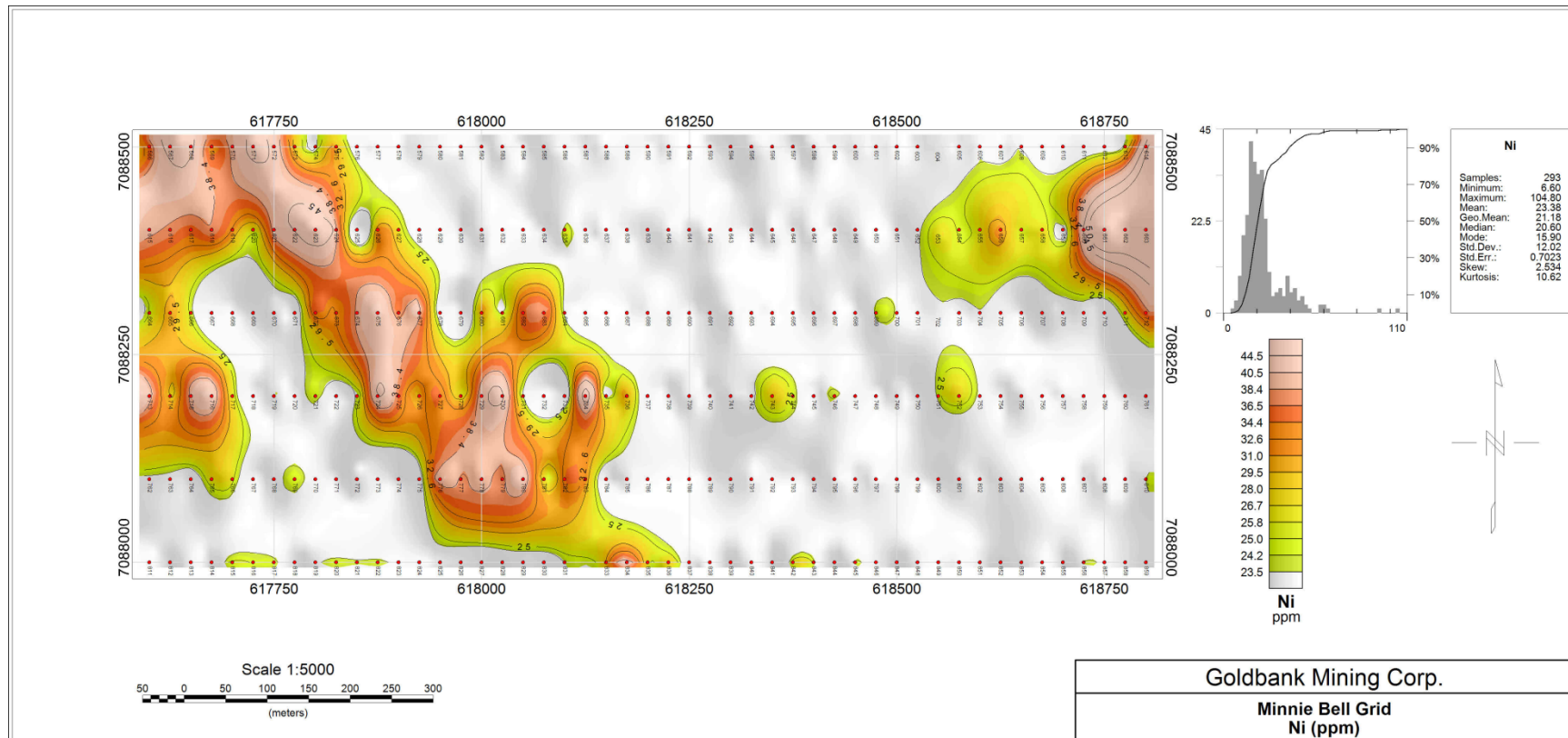


Fig. 13: MB 11 – 26 (Minnie Bell) claims. Nickel in “C” soil horizon.

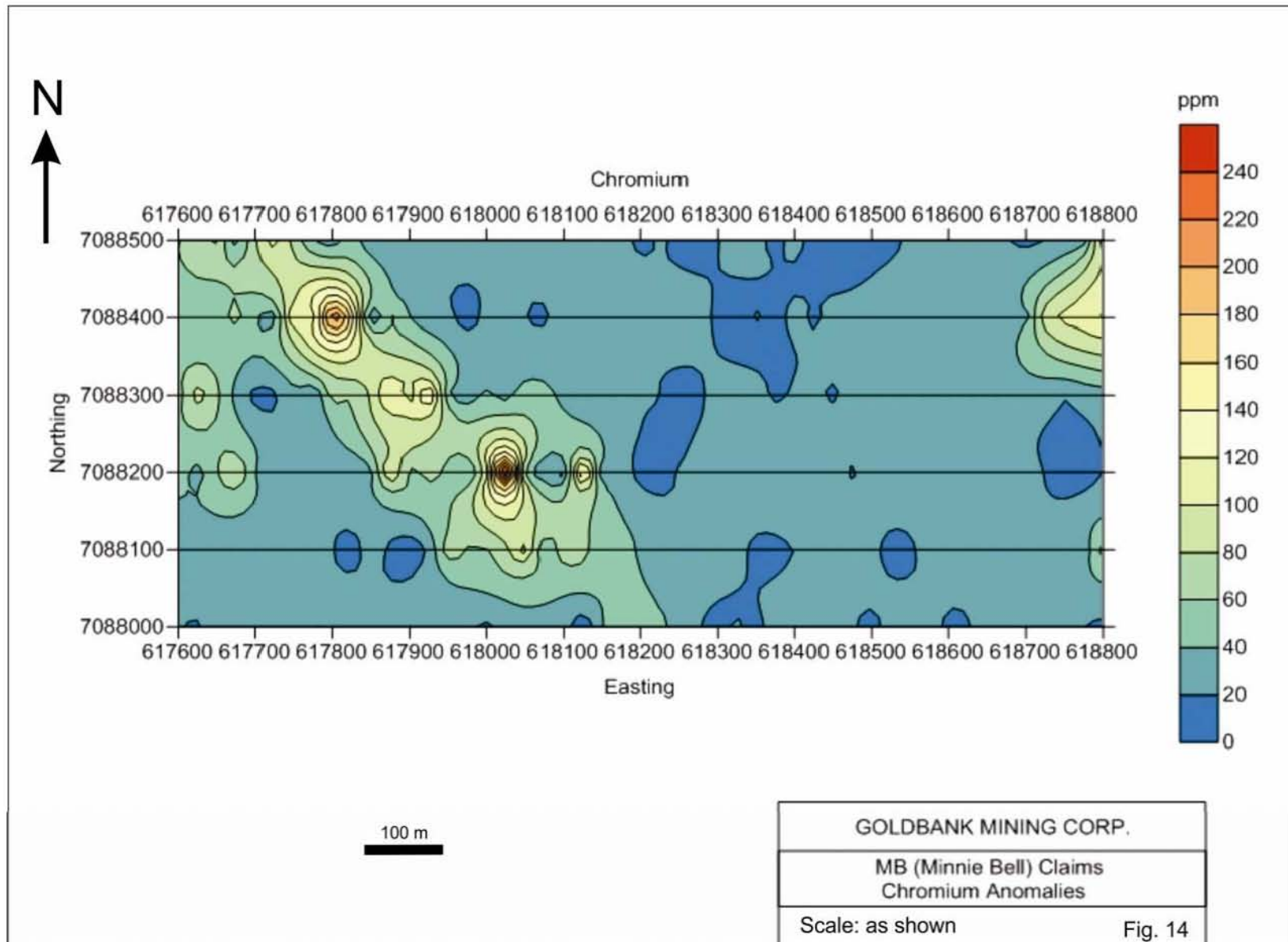
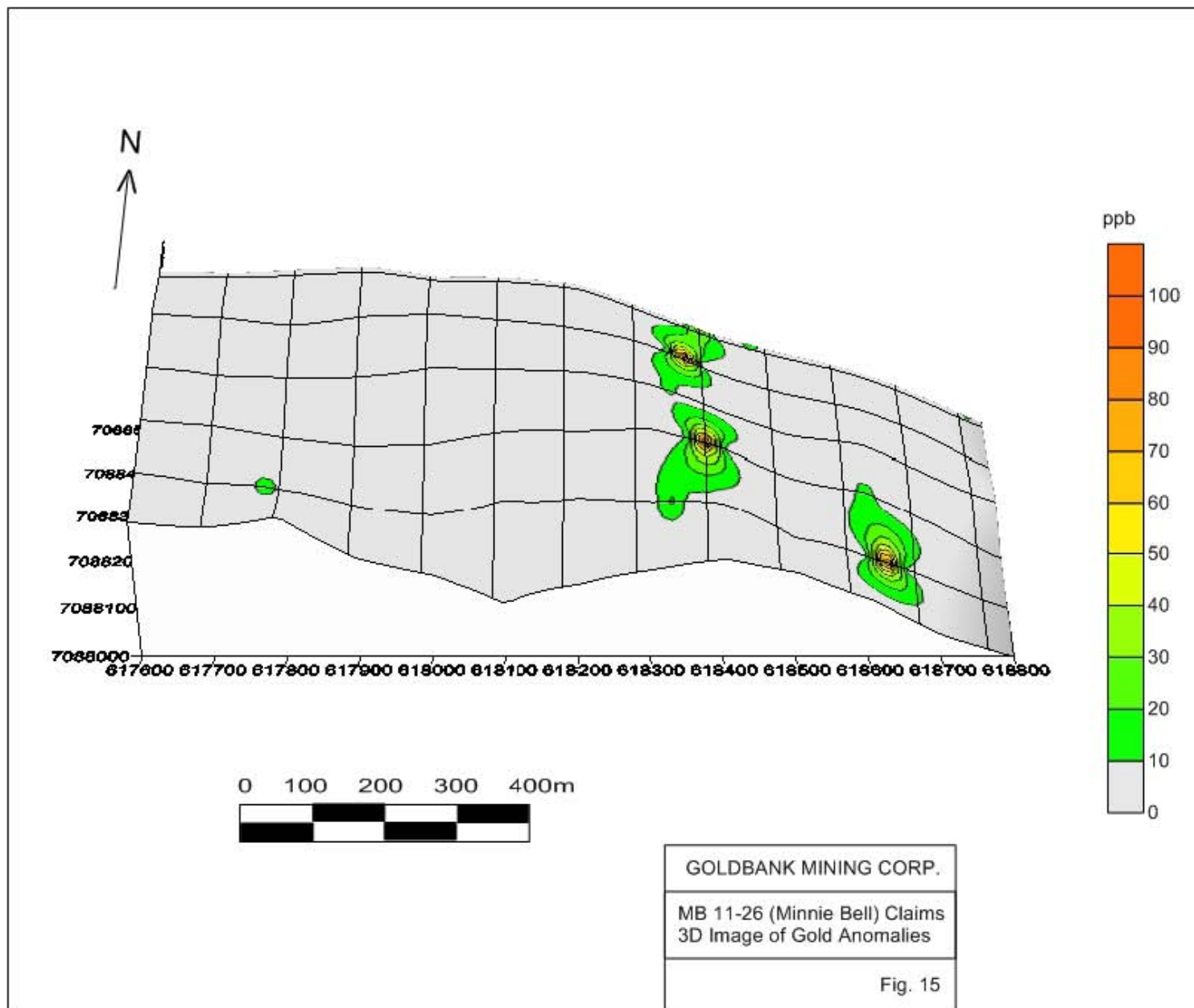


Fig. 14: MB 11 – 26 (Minnie Bell) claims. Chromium in “C” soil horizon.



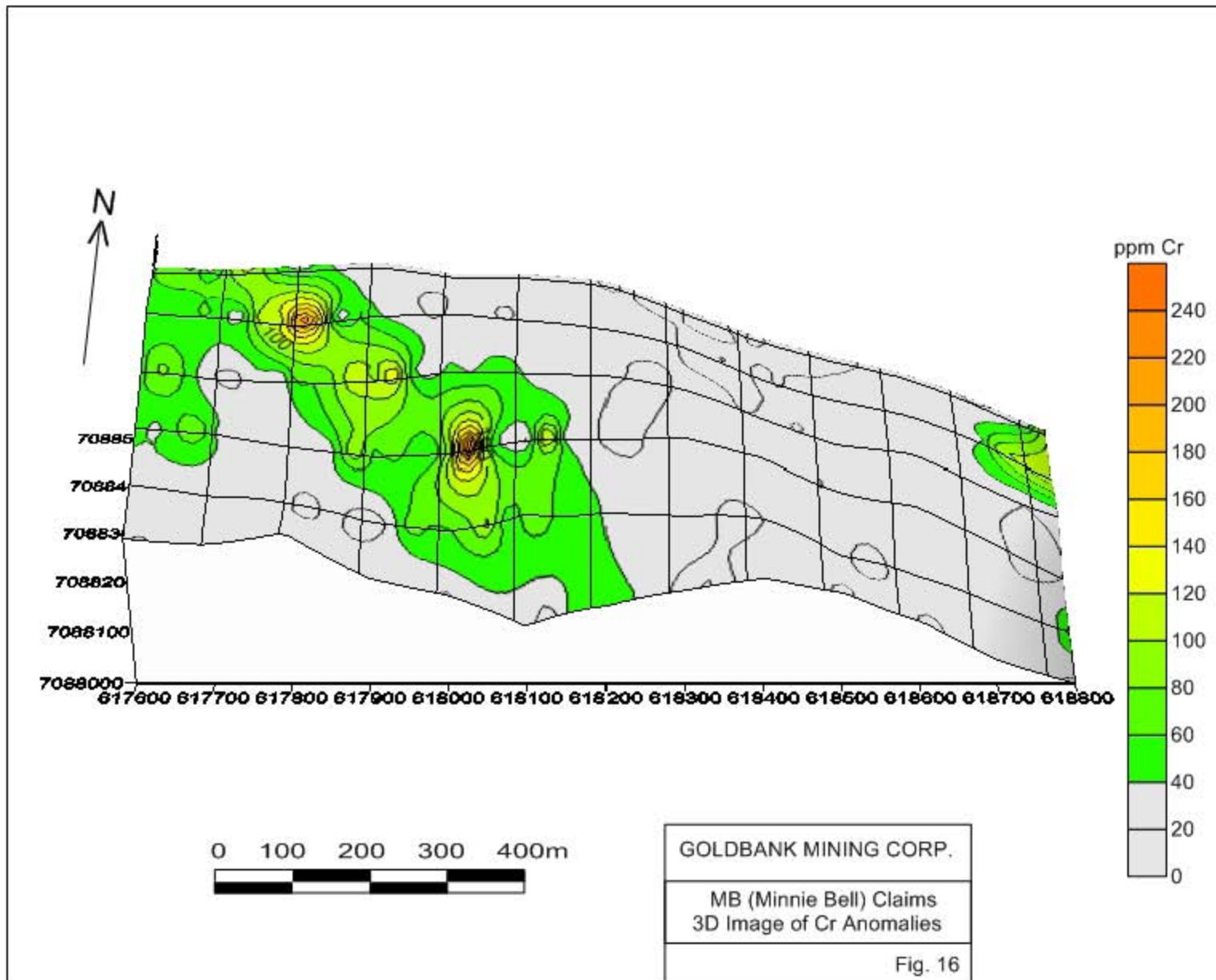


Table 3: Correlation Matrix

	Au	Ag	As	Cu	Pb	Zn	Ni	Co	Cr
Au	1								
Ag	0.0521	1							
As	0.076095	0.313571	1						
Cu	0.002583	-0.01994	0.220237	1					
Pb	-0.00048	0.184042	0.199881	-0.00123	1				
Zn	-0.00974	0.184769	0.29127	0.625495	0.262445	1			
Ni	-0.03565	-0.09842	-0.06447	0.560252	-0.08108	0.519047	1		
Co	-0.03233	-0.08023	-0.15185	0.468625	-0.09096	0.45654	0.859224	1	
Cr	-0.03648	-0.17594	-0.20358	0.401314	-0.11384	0.382101	0.913283	0.855894	1

Most assays for DS8 standard for gold, silver, copper, lead, zinc, arsenic, chromium, nickel, magnesium, mercury, molybdenum and bismuth (Figs. 17 – 22) fall within ± 2 standard deviations, except in one case for lead, zinc, chromium and magnesium each, as shown graphically in Figs. 18 to 21. The blanks assayed for this group of samples fall all below detection limit for each element.

The check-up assay results for the original vs repeat assays for gold, silver, copper, lead, zinc, and chromium are shown in the graphs in Figs. 23 to 28. The following correlation coefficients were obtained:

Table 4: Correlation Coefficients

Au	Ag	Cu	Pb	Zn	Cr
-0.17225	0.816642	0.999541	0.999725	0.998407	0.999189

Correlation coefficient for gold in the originals vs repeats is negative indicating strong nugget effect, particularly in the samples 597, 754 and 774. The sample 597 gave 45.2 ppb Au in the original, and 1.8 ppb Au in the repeat. The samples 754 and 774, on the other hand, yielded 1.5 ppb Au and 2.2 ppb Au in the originals, but 456.2 ppb (!) Au and 32 ppb Au values in their repeats, respectively. The same samples however have the original assay values for copper, lead, zinc and chromium highly compatible with their repeats, as demonstrated by very high correlation coefficients (Table 4). These elements therefore are not affected by nugget effects. Correlation between the original vs repeat assays for silver is not as high as for the base metals indicating that a weak nugget effect may also occur.

In conclusion we can state that the gold assays for soil samples from the Minnie Bell area are affected by strong nugget effect. The assays for other elements however are reproducible, which indicates that AcmeLabs applied due care during the preparation process and analysis, but the routine homogenization process is not good enough to achieve desirable homogeneity and even distribution of the gold particles in the pulps. Therefore, a preparation method should be sought in the future to obtain reasonable homogeneity of pulps and a good reproducibility of the assays.

7. CONCLUSIONS AND RECOMMENDATIONS

Objectives of the 2011 soil geochemistry survey on MB 11 to 26 (Minnie Bell) claims were to follow up on the previous spur soil sampling reported by Ash (2010) and to file work with the YDEMR. One of the previously completed spur lines detected four anomalous gold values ranging from 6.7 to 77.6 ppb and two of them were further tested by short perpendicular soil grids. The assays however were not available at the time of the report (Ash, 2010, p. 64). Goldbank's grid was designed to cover the western slopes of the Minnie Bell Creek including the site of the strongest gold anomaly reported by Ash (2010). The whole grid area is underlain by gneissic units of the Pelly Gneiss Suite.

Although no mafic/ultramafic rocks were previously reported on the MB claims, our soil geochemistry results indicate that such rocks (ophiolite?) do exist in the area. The overlapping Cr, Ni, Co, Mg and Fe anomalies referred to further as the chromium group anomalies indicate such bodies do occur in the western and eastern parts of the survey grid and the largest of them forms a belt stretching from the northwestern corner of the grid southeastwards and remains open in both directions (see Figs. 8, 15). This multi-elemental anomaly follows a depression-like topography, which may be controlled by a parallel fault or a thrust zone. A smaller chromium group anomaly occurs in the northeastern corner of the grid. Neither of chromium group elements spatially or statistically correlates with gold (Figs. 13, 14, Table 3).

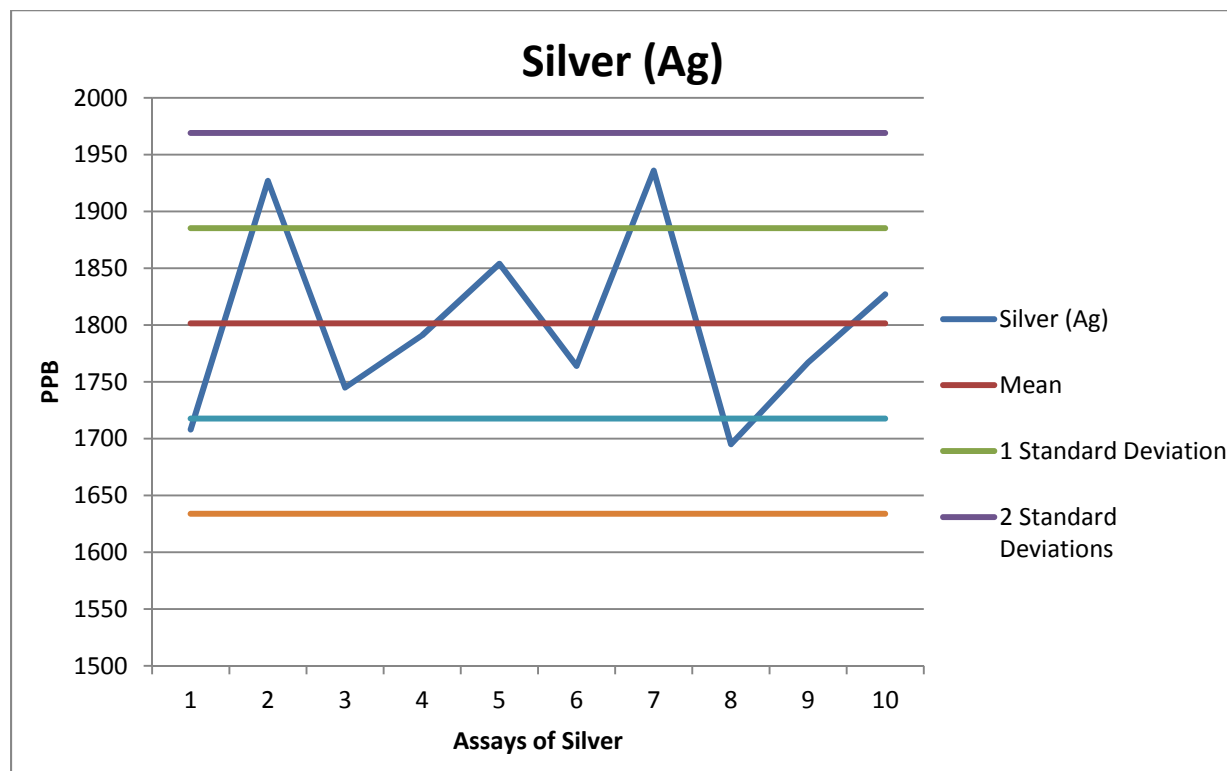
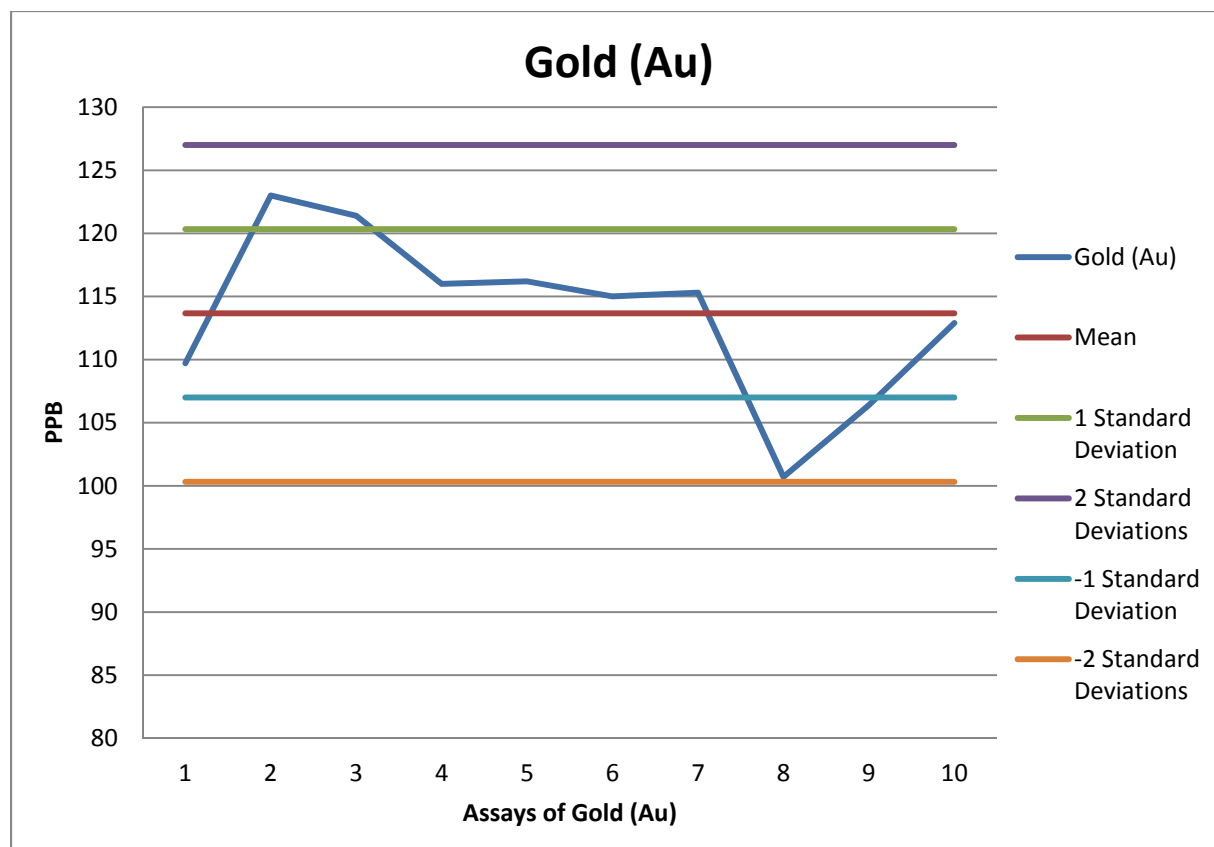


Fig. 17 a, b: DS8 Standard for Gold and Silver

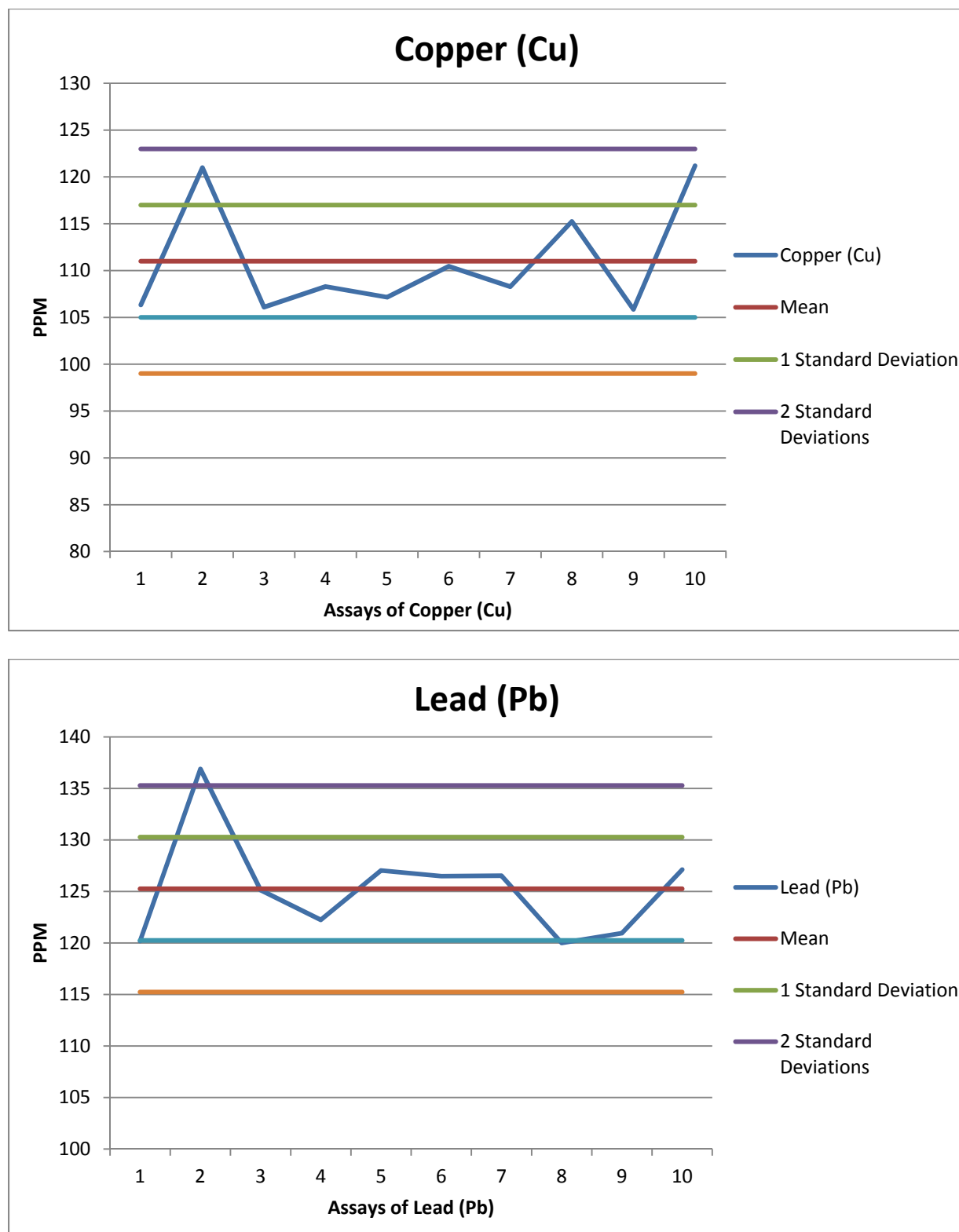


Fig. 18 a, b: DS8 Standard for Copper and Lead

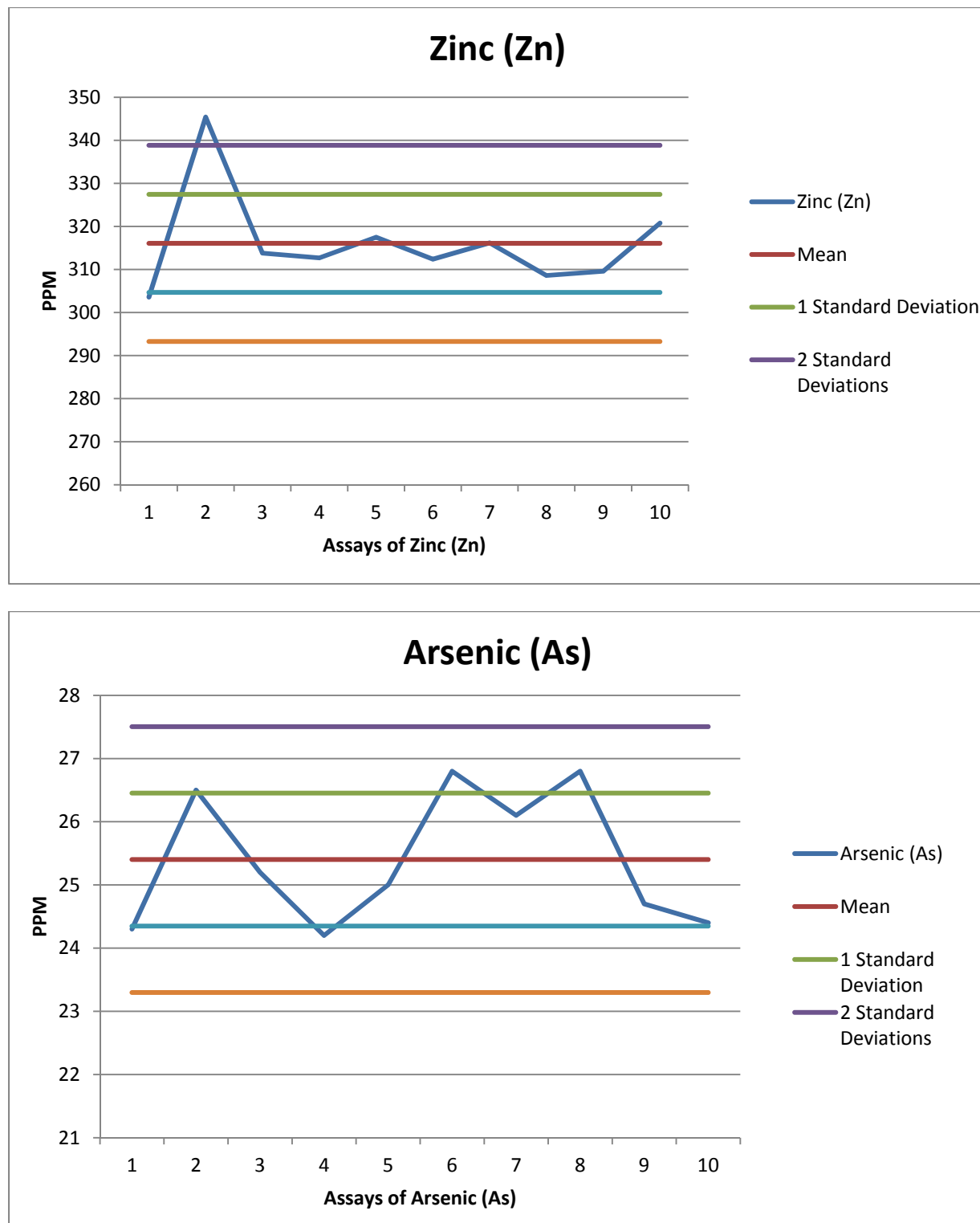


Fig. 19 a, b: DS8 Standard for Zinc and Arsenic

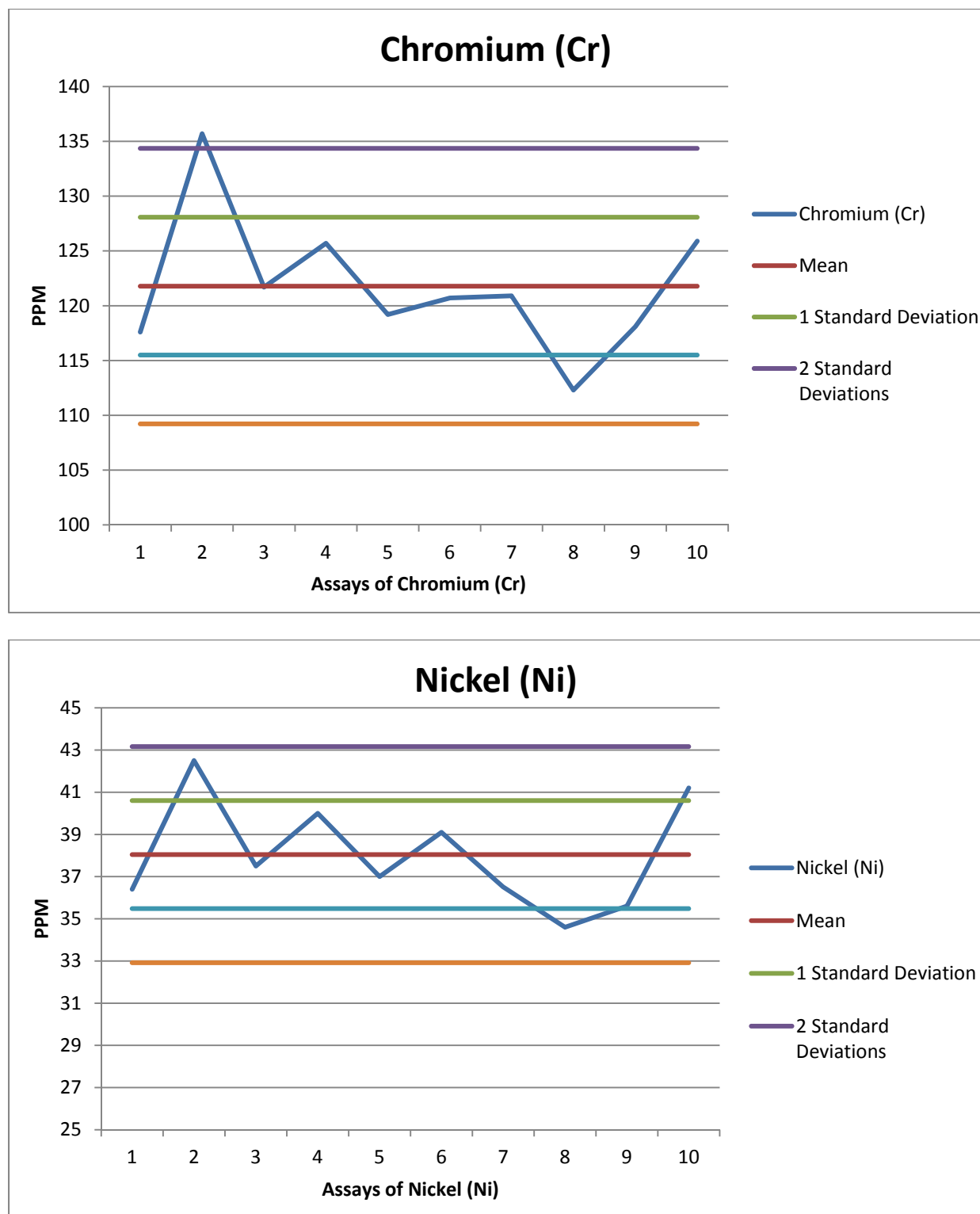


Fig. 20 a, b: DS8 Standard for Chromium and Nickel

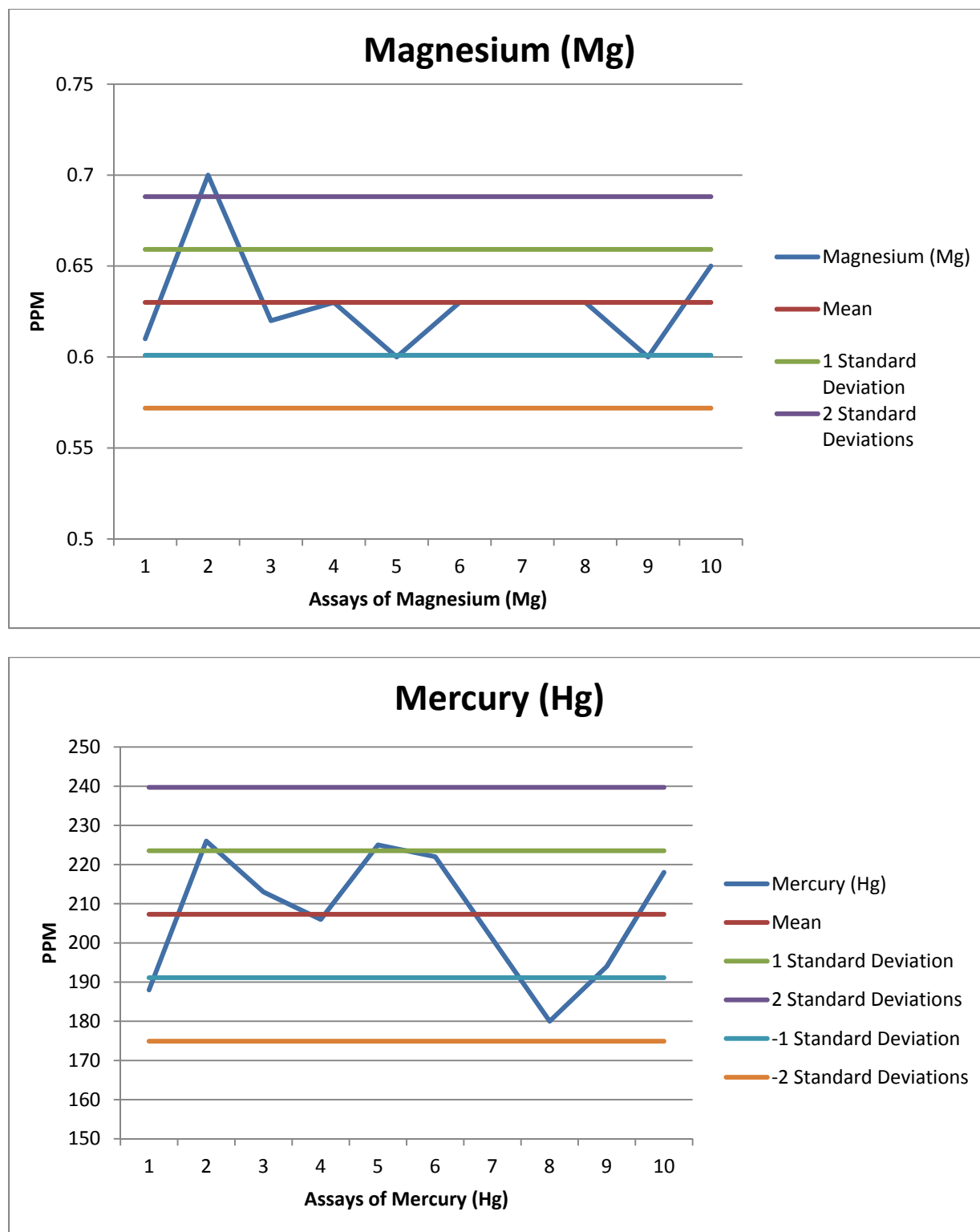


Fig. 21 a, b: DS8 Standard for Magnesium and Mercury

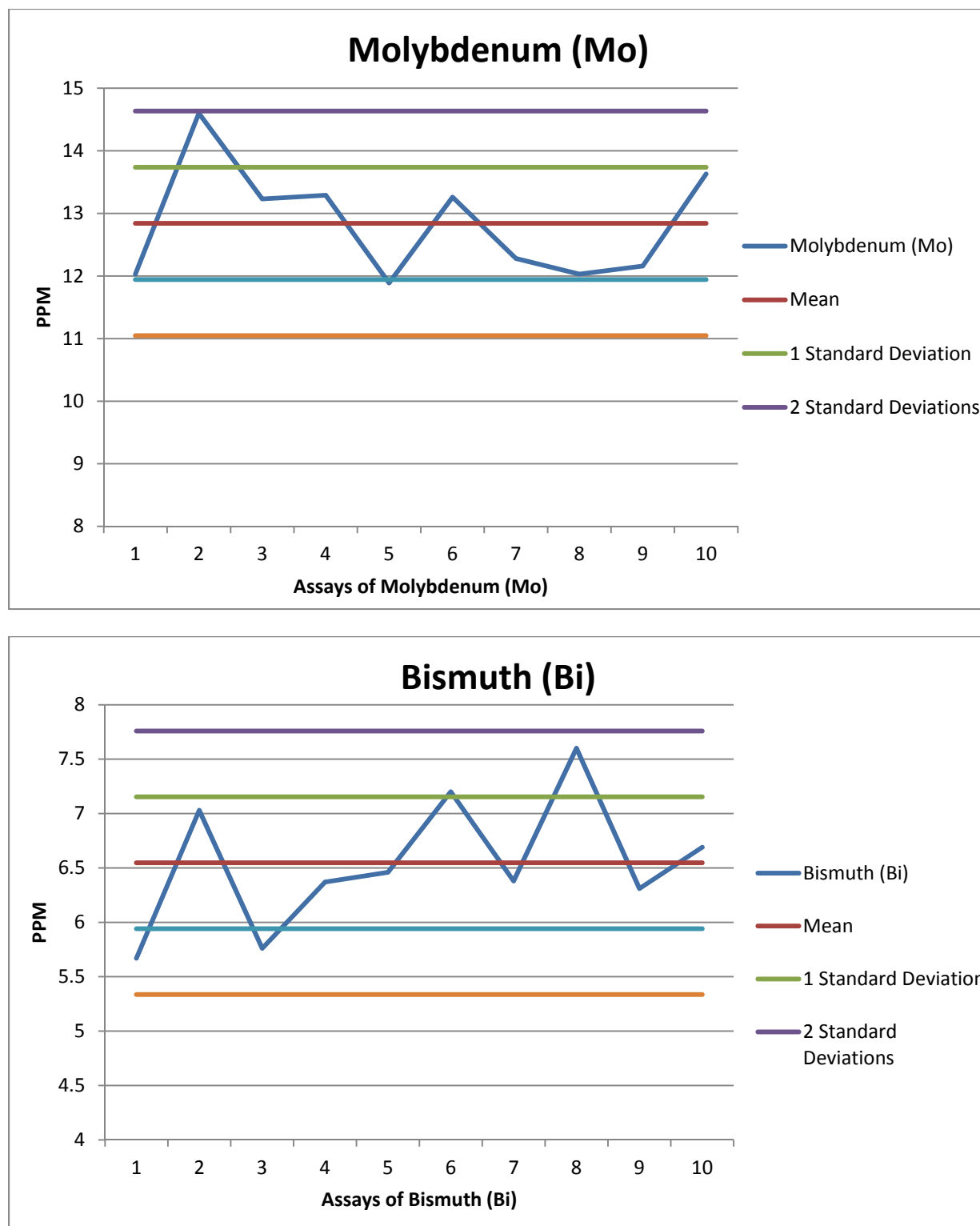


Fig. 22 a, b: DS8 Standard for Molybdenum and Bismuth

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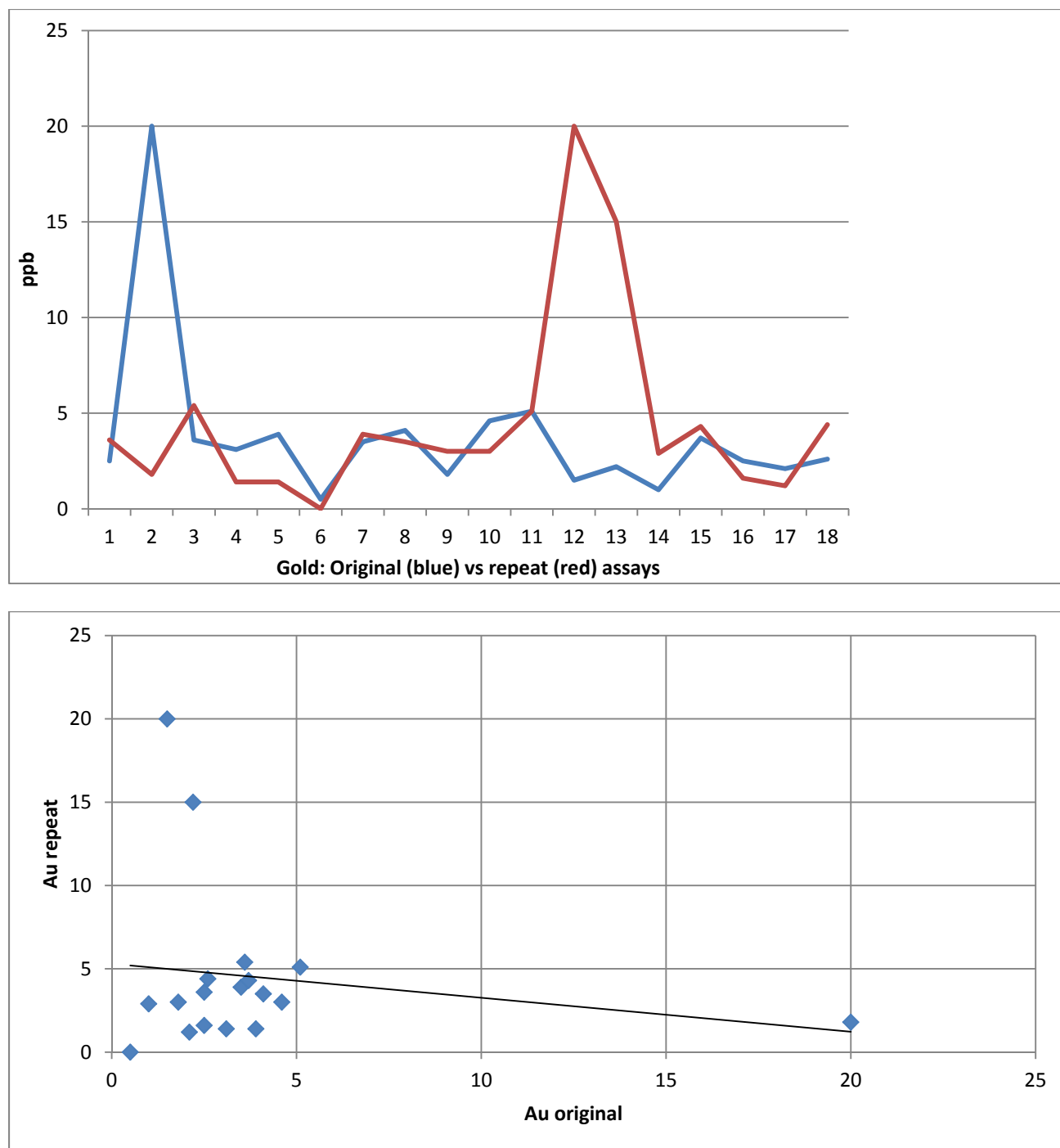


Fig. 23 a, b: Gold – Comparison of Original vs Repeat Assays; correlation coefficient -0.17225. Note: In graph “a”, the original sample 597 has the value 45.2 ppb replaced with 20 ppb and the repeat samples 754 and 774 have the values 453.2 ppb and 32 ppb replaced with 20 and 15 ppb, respectively. The value <0.2 ppb in sample 656 is replaced with 0.003 ppb Au.

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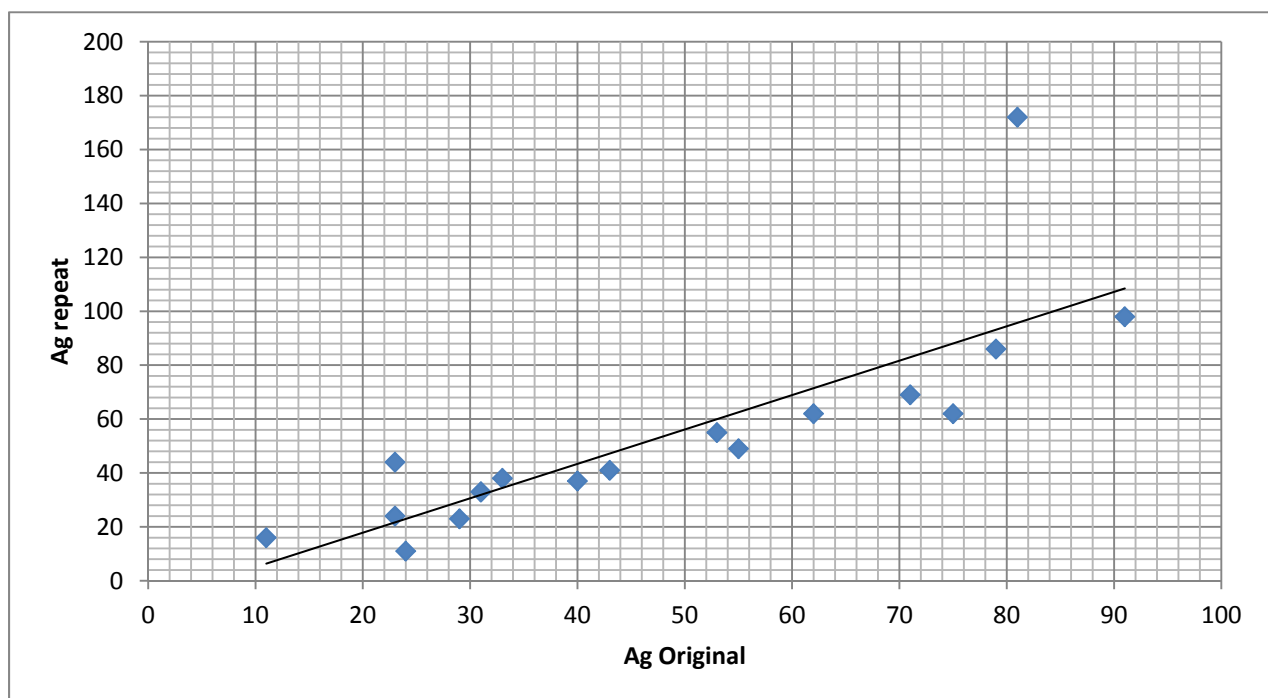
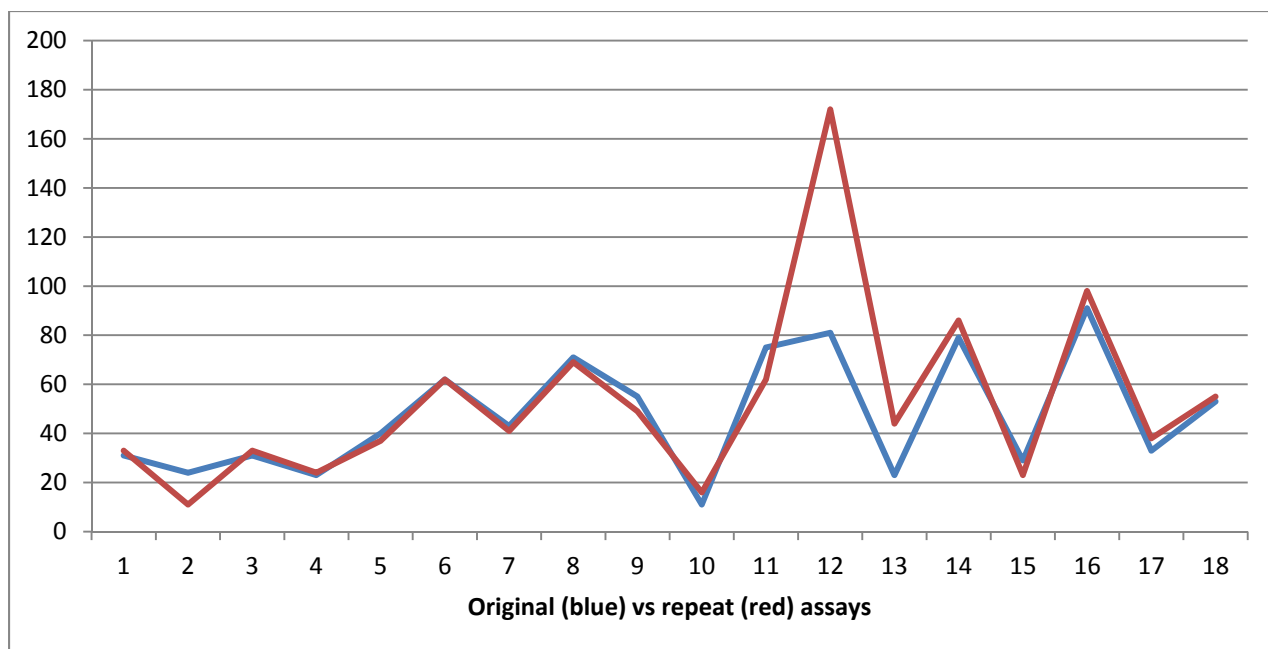


Fig. 24 a, b: Silver–Comparison of Original vs Repeat Assays; Correlation Coefficient 0.816642

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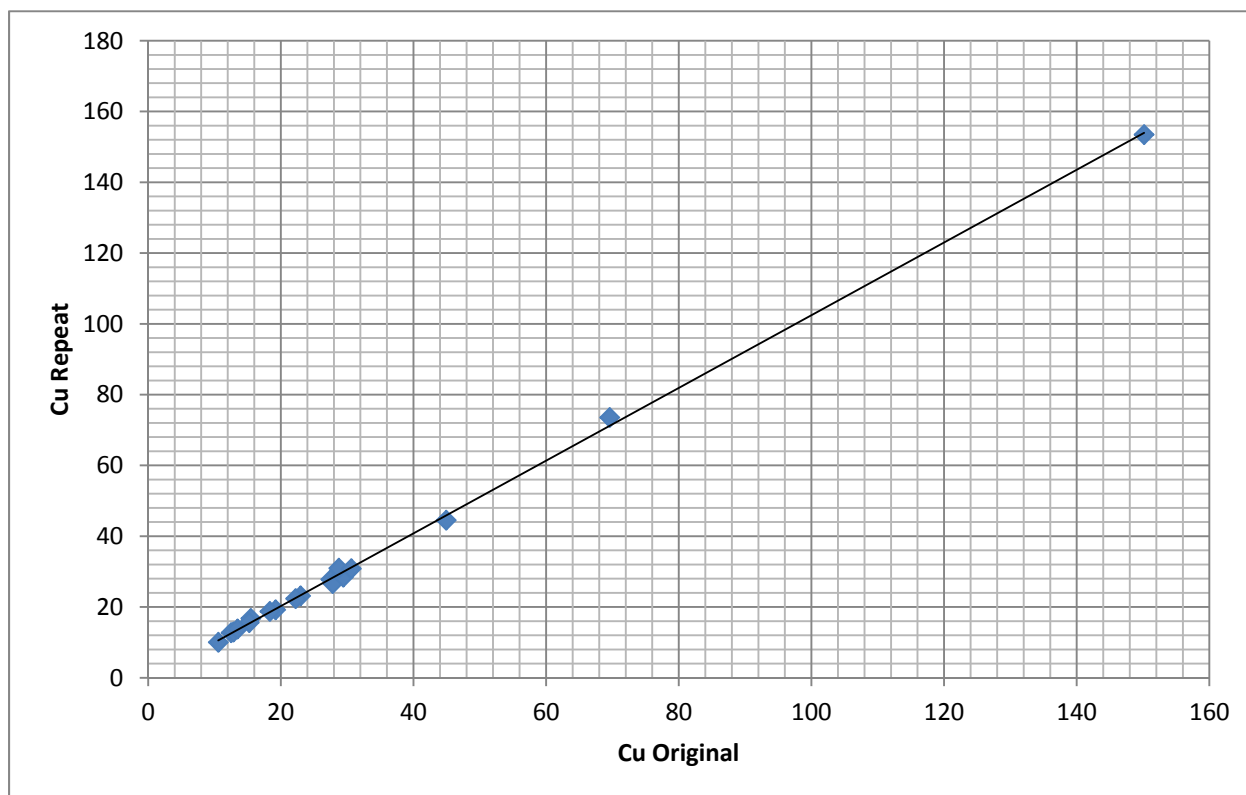
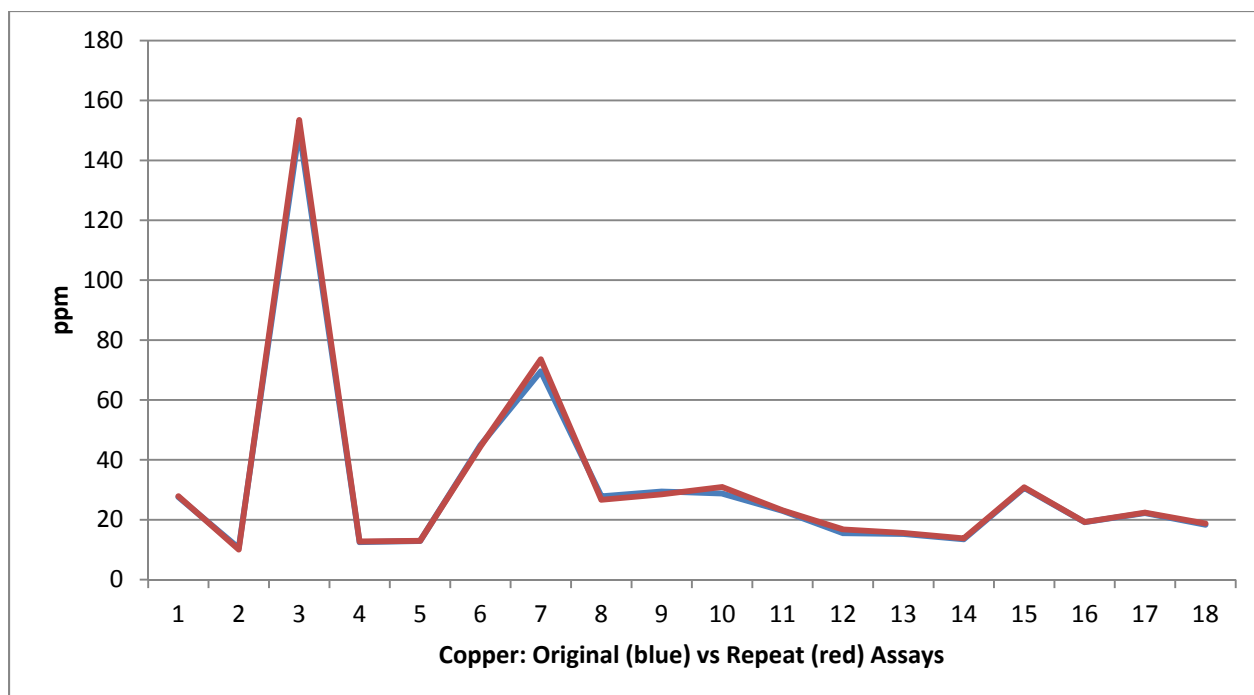


Fig. 25 a, b: Copper–Comparison of Original vs Repeat Assays; correlation coefficient 0.999541

Geochemical Report on the Leota –MB (Minnie Bell) Claims

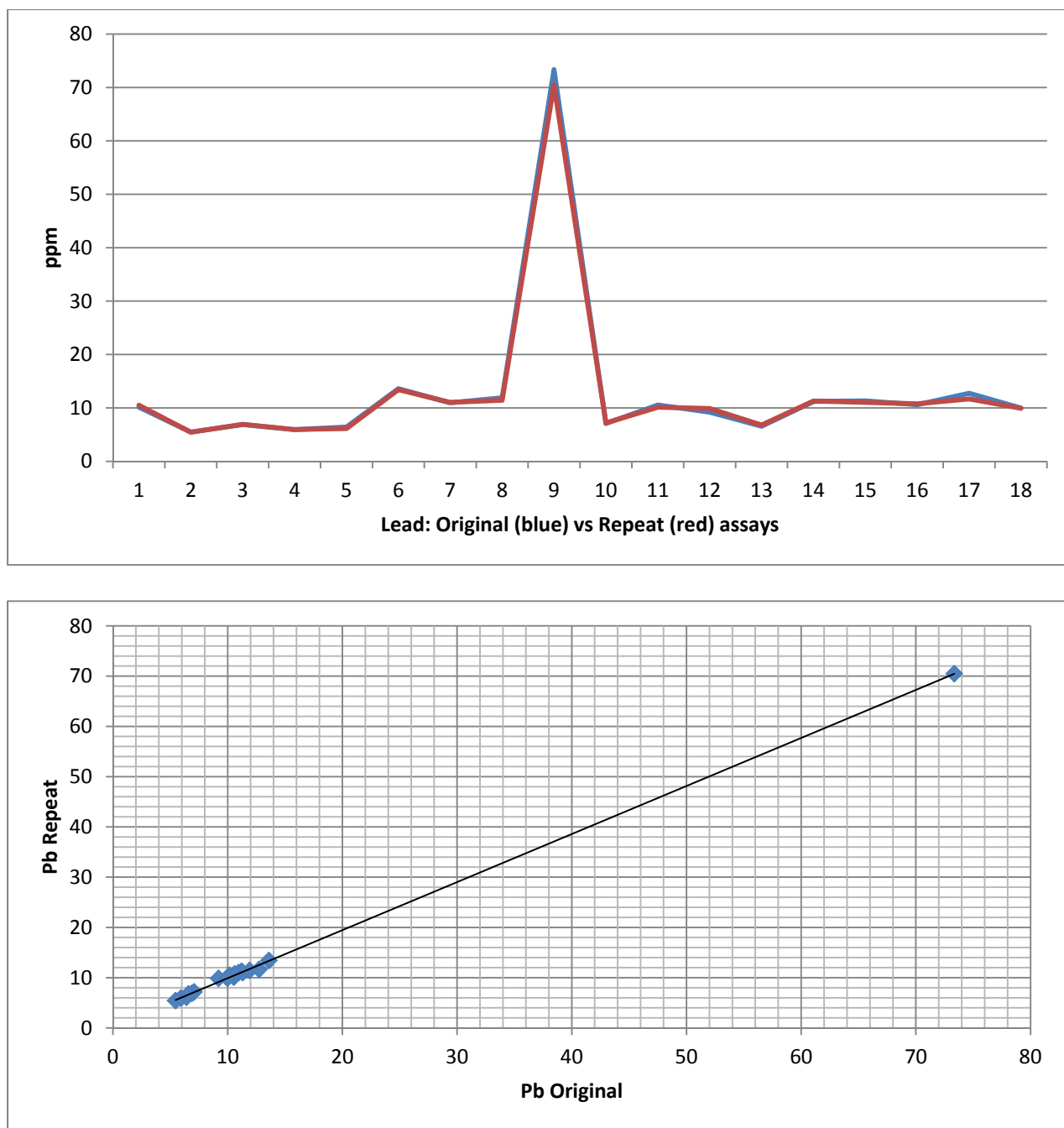


Fig. 26 a, b: Lead-Comparison of Original vs Repeat Assays; Correlation Coefficient 0.999725

Geochemical Report on the Leota –MB (Minnie Bell) Claims

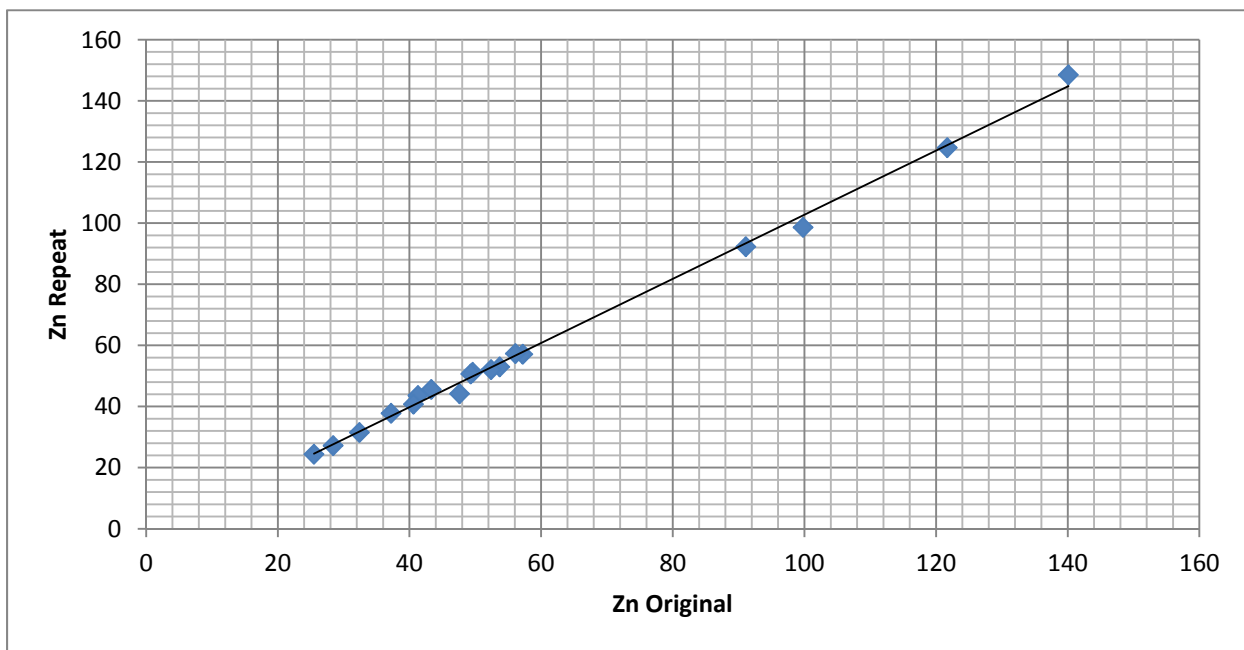
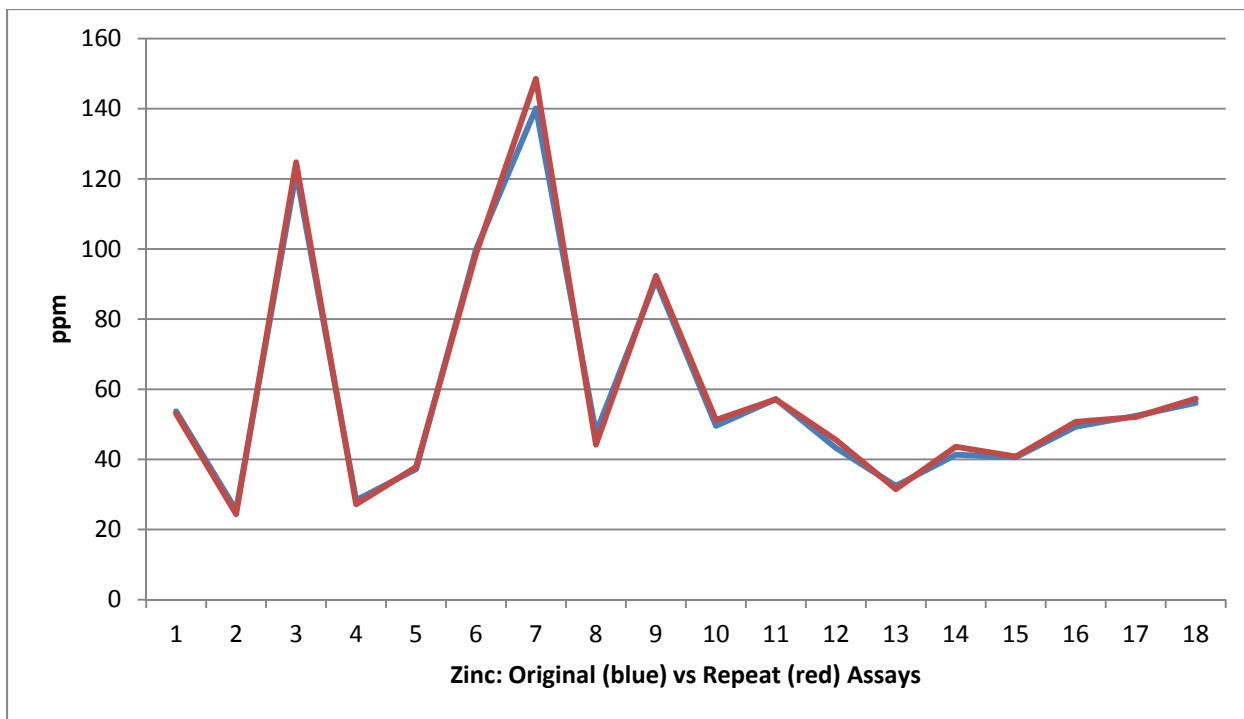


Fig. 27 a, b: Zinc – Comparison of Original vs Repeat Assays; Correlation Coefficient 0.998407

Geochemical Report on the Leota –MB (Minnie Bell) Claims

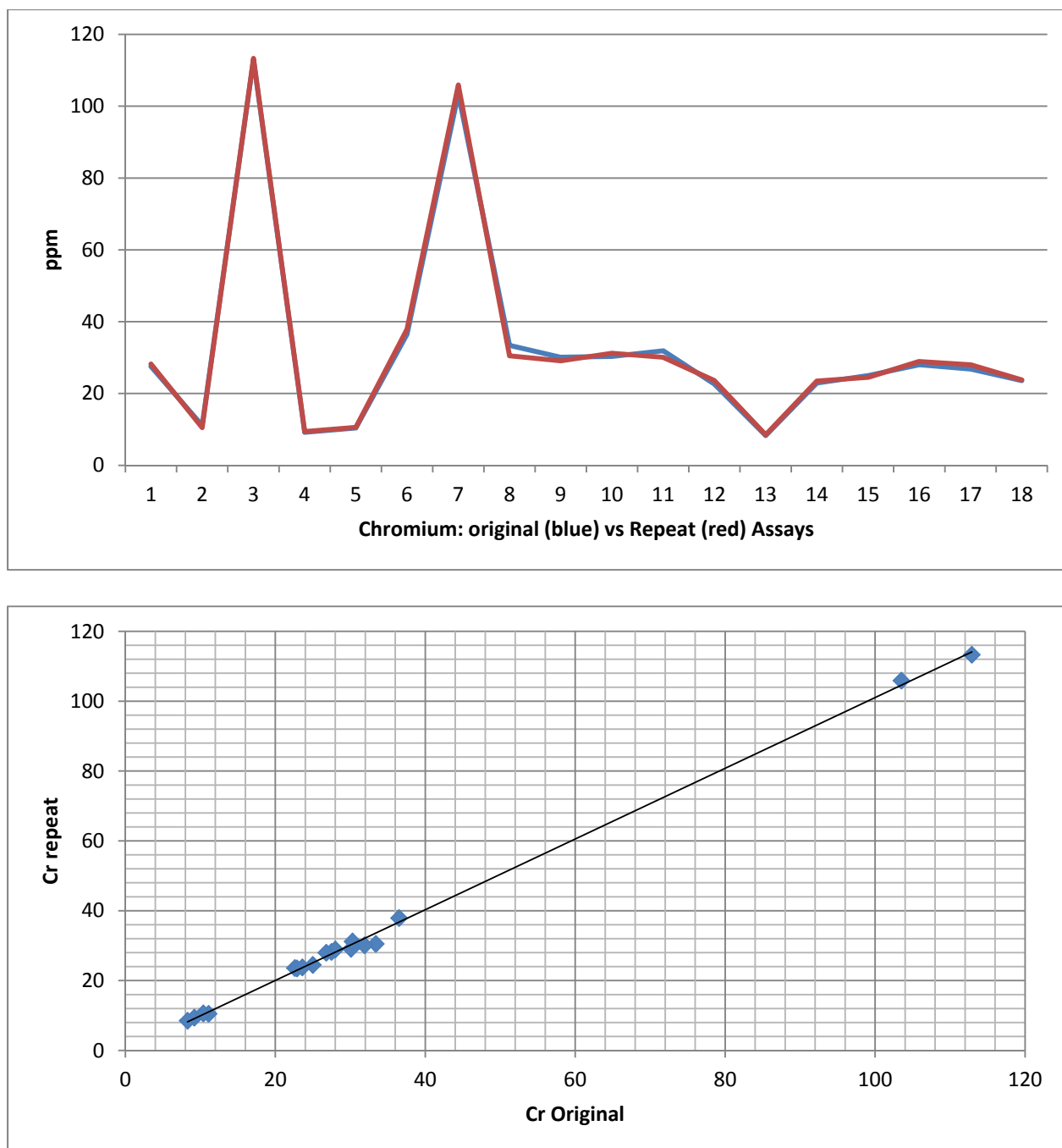


Fig. 28 a, b: Chromium–Comparison of Original vs Repeat Assays; Correlation Coefficient 0.999189.

There are three gold anomalies within the grid, the largest being situated near the top of a northwest – southeast striking elevation, several hundred meters east of the main chromium group anomaly. It strikes roughly north – south and two smaller, isolated gold anomalies occur east and west of the main gold anomaly (Figs. 8 and 15).

Higher ground topography appears to reflect more erosion-resistant bedrock, such as quartz veins, stringers or a zone of silicification. This type of rocks is expected to occur below the soil at the site of the main gold anomaly. The anomaly includes two extreme values of 345.6 and 463 ppb Au, which may reflect richer pockets within the zone. A repeat assay of sample 754 returned 453.2 ppb gold and the repeat of sample 774 gave 32 ppb gold indicating gold-bearing quartz veins striking north are present in the area. No statistical correlations were found between gold and any of the chromium group elements. Copper somewhat spatially correlates with the chromium group, but statistical correlations are less distinct except for the pair copper – nickel, where the coefficient 0.560252 suggests that 31 % of the Cu and Ni values co-vary. This spatial correlation may indicate a common occurrence of the ore minerals such as chalcopyrite and pentlandite, both typical for non-altered ultramafic rocks.

The soil anomalies for selected elements are shown on the anomaly maps and 3D images in Figs. 8 to 16. Since the gold anomalies neither spatially nor statistically correlate with the chromium group anomalies, it is tempting to assume that there is no genetic association between them in the underlying rocks and/or structures. Ash (2010) postulated erosional remnants of the ophiolitic rocks that are locally preserved on the high ground, often as isolated klippe. Ash and Doherty (2006) reported gold mineralization at the Lone Star and White is consistently localized within the suture zones between the hanging wall ophiolitic rocks and the footwall plutonic rocks. In the Minnie Bell survey area however, the indicated ultramafic body appears to occupy a fault-controlled structure conformable with general trend, which may have been altered and hydrothermally affected and lost its magnetic susceptibility. This would explain why it was not detected by the historical magnetic surveys and remained concealed until our soil survey. However, if such regolith is present in the area it does not appear to contain anomalous gold, as might be expected for an altered ultramafic (ophiolitic) rock.

The main gold anomaly stretching from is recommended for further testing. The area should be searched for outcrops and trenching is recommended across the gold anomalies to expose, sample and log the underlying bedrock in detail. The sample preparation and analysis should be conducted in such a way as to prevent nugget effects.

8. 2011 EXPLORATION EXPENSES

Geologist (10 days @ \$ 600)	6000.00
Assistants (2 x 10 days x 300)	6000.00
Truck (Mileage, gas, oil)	2000.00
Accommodation, food	2600.00
Mob/demob	1000.00
Assays (294 samples)	8820.00
Digitization, report	4000.00
HST 12%	<u>3650.40</u>
Total:	34070.40

9. REFERENCES

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10. STATEMENT OF QUALIFICATIONS

I, Bohumil (Boris) Molak, Ph.D., P.Geo., do hereby certify that:

1. I am a self-employed Geoscientist residing at 108-5140 Sanders Street, Burnaby, BC., V5H 1T2, Canada.
2. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (License No. 28600) in good standing.
3. I graduated from the Comenius University of Czechoslovakia with a Bachelor of Science (Mgr.) in Economic Geology in 1970. From the same university I obtained in 1980 the degree Master of Science in Economic Geology (RNDr.) and in 1990 the degree Doctor of Philosophy (CSc.). I have practiced my profession continuously since 1970.
4. My geological practice includes research, prospecting, and exploration for precious, base, ferrous and other metals in Slovakia, Zambia, Cuba, Guinea, Canada, Chile and Argentina.
5. Since July 2003 until present I am a self-employed geo-scientist.
6. I conducted the field work and supervised the exploration program on the MB Claims from September 12 to September 20, 2011.
7. I am responsible for all but item 2011 Expenditure of Work in this report. The sources of all information not based on personal examination are quoted in the References Chapter.
8. As of the date of this Statement I am not aware of any material fact or material change with respect to the subject matter of this report that is not reflected in this report, the omission of which would make the report misleading.
9. I am independent of Goldbank Mining Corp.

Dated at Vancouver, BC, Canada, this 16th day of March, 2012.

APPENDIX I

MB 11 – 26 (Minnie Bell) Claims, Sample Numbers and UTM Coordinates

Geochemical Report on the Leota –MB (Minnie Bell) Claims

Minnie Bell – Soil Samples and UTM Co-ordinates

Line 1			Line 2			Line 3			Line 4			Line 5			Line 6		
#	Easting	Northing	#	Easting	Northing	#	Easting	Northing	#	Easting	Northing	#	Easting	Northing	#	Easting	Northing
566	617600	7088500	615	617600	7088400	664	617600	7088300	713	617600	7088200	762	617600	7088100	811	617600	7088000
567	617625	7088500	616	617625	7088400	665	617625	7088300	714	617625	7088200	763	617625	7088100	812	617625	7088000
568	617650	7088500	617	617650	7088400	666	617650	7088300	715	617650	7088200	764	617650	7088100	813	617650	7088000
569	617675	7088500	618	617675	7088400	667	617675	7088300	716	617675	7088200	765	617675	7088100	814	617675	7088000
570	617700	7088500	619	617700	7088400	668	617700	7088300	717	617700	7088200	766	617700	7088100	815	617700	7088000
571	617725	7088500	620	617725	7088400	669	617725	7088300	718	617725	7088200	767	617725	7088100	816	617725	7088000
572	617750	7088500	621	617750	7088400	670	617750	7088300	719	617750	7088200	768	617750	7088100	817	617750	7088000
573	617775	7088500	622	617775	7088400	671	617775	7088300	720	617775	7088200	769	617775	7088100	818	617775	7088000
574	617800	7088500	623	617800	7088400	672	617800	7088300	721	617800	7088200	770	617800	7088100	819	617800	7088000
575	617825	7088500	624	617825	7088400	673	617825	7088300	722	617825	7088200	771	617825	7088100	820	617825	7088000
576	617850	7088500	625	617850	7088400	674	617850	7088300	723	617850	7088200	772	617850	7088100	821	617850	7088000
577	617875	7088500	626	617875	7088400	675	617875	7088300	724	617875	7088200	773	617875	7088100	822	617875	7088000
578	617900	7088500	627	617900	7088400	676	617900	7088300	725	617900	7088200	774	617900	7088100	823	617900	7088000
579	617925	7088500	628	617925	7088400	677	617925	7088300	726	617925	7088200	775	617925	7088100	824	617925	7088000
580	617950	7088500	629	617950	7088400	678	617950	7088300	727	617950	7088200	776	617950	7088100	825	617950	7088000
581	617975	7088500	630	617975	7088400	679	617975	7088300	728	617975	7088200	777	617975	7088100	826	617975	7088000
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585	618075	7088500	634	618075	7088400	683	618075	7088300	732	618075	7088200	781	618075	7088100	830	618075	7088000
586	618100	7088500	635	618100	7088400	684	618100	7088300	733	618100	7088200	782	618100	7088100	831	618100	7088000
587	618125	7088500	636	618125	7088400	685	618125	7088300	734	618125	7088200	783	618125	7088100	832	618125	7088000
588	618150	7088500	637	618150	7088400	686	618150	7088300	735	618150	7088200	784	618150	7088100	833	618150	7088000
589	618175	7088500	638	618175	7088400	687	618175	7088300	736	618175	7088200	785	618175	7088100	834	618175	7088000
590	618200	7088500	639	618200	7088400	688	618200	7088300	737	618200	7088200	786	618200	7088100	835	618200	7088000
591	618225	7088500	640	618225	7088400	689	618225	7088300	738	618225	7088200	787	618225	7088100	836	618225	7088000
592	618250	7088500	641	618250	7088400	690	618250	7088300	739	618250	7088200	788	618250	7088100	837	618250	7088000
593	618275	7088500	642	618275	7088400	691	618275	7088300	740	618275	7088200	789	618275	7088100	838	618275	7088000
594	618300	7088500	643	618300	7088400	692	618300	7088300	741	618300	7088200	790	618300	7088100	839	618300	7088000
595	618325	7088500	644	618325	7088400	693	618325	7088300	742	618325	7088200	791	618325	7088100	840	618325	7088000
596	618350	7088500	645	618350	7088400	694	618350	7088300	743	618350	7088200	792	618350	7088100	841	618350	7088000
597	618375	7088500	646	618375	7088400	695	618375	7088300	744	618375	7088200	793	618375	7088100	842	618375	7088000
598	618400	7088500	647	618400	7088400	696	618400	7088300	745	618400	7088200	794	618400	7088100	843	618400	7088000

Geochemical Report on the Leota –MB (Minnie Bell) Claims

599	618425	7088500	648	618425	7088400	697	618425	7088300	746	618425	7088200	795	618425	7088100	944	618425	7088000
600	618450	7088500	649	618450	7088400	698	618450	7088300	747	618450	7088200	796	618450	7088100	845	618450	7088000
601	618475	7088500	650	618475	7088400	699	618475	7088300	748	618475	7088200	797	618475	7088100	846	618475	7088000
602	618500	7088500	651	618500	7088400	700	618500	7088300	749	618500	7088200	798	618500	7088100	847	618500	7088000
603	618525	7088500	652	618525	7088400	701	618525	7088300	750	618525	7088200	799	618525	7088100	848	618525	7088000
604	618525	7088500	653	618525	7088400	702	618525	7088300	751	618550	7088200	800	618550	7088100	849	618550	7088000
605	618575	7088500	654	618575	7088400	703	618575	7088300	752	618575	7088200	801	618575	7088100	850	618575	7088000
606	618600	7088500	655	618600	7088400	704	618600	7088300	753	618600	7088200	802	618600	7088100	851	618600	7088000
607	618625	7088500	656	618625	7088400	705	618625	7088300	754	618625	7088200	803	618625	7088100	852	618625	7088000
608	618650	7088500	657	618650	7088400	706	618650	7088300	755	618650	7088200	804	618650	7088100	853	618650	7088000
609	618675	7088500	658	618675	7088400	707	618675	7088300	756	618675	7088200	805	618675	7088100	854	618675	7088000
610	618700	7088500	659	618700	7088400	708	618700	7088300	757	618700	7088200	806	618700	7088100	855	618700	7088000
611	618725	7088500	660	618725	7088400	709	618725	7088300	758	618725	7088200	807	618725	7088100	856	618725	7088000
612	618750	7088500	661	618750	7088400	710	618750	7088300	759	618750	7088200	808	618750	7088100	857	618750	7088000
613	618775	7088500	662	618775	7088400	711	618775	7088300	760	618775	7088200	809	618775	7088100	858	618775	7088000
614	618800	7088500	663	618800	7088400	712	618800	7088300	761	618800	7088200	810	618800	7088100	859	618800	7088000

Appendix II

Assay Certificates, Standards, Repeats, Blanks



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Northern Dancer
PO Box 2662
Garibaldi Highlands BC V0N1T0 Canada

Submitted By: Dwayne Kress
Receiving Lab: Canada-Dawson City
Received: September 23, 2011
Report Date: November 10, 2011
Page: 1 of 11

CERTIFICATE OF ANALYSIS

DAW11000438.1

CLIENT JOB INFORMATION

Project: Leota MB
Shipment ID: NA
P.O. Number
Number of Samples: 294

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

Invoice To: Goldbank Mining Corp.
605 - 889 West Pender St.
Vancouver BC V6C 3B2
Canada

CC: Bohumil (Boris) Molak

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	294	Dry at 60C			VAN
SS80	294	Dry at 60C sieve 100g to -80 mesh			VAN
1F03	293	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

ADDITIONAL COMMENTS



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



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Northern Dancer
PO Box 2662
Garibaldi Highlands BC V0N1T0 Canada

Project: Leota MB
Report Date: November 10, 2011

Page: 2 of 11 **Part** 1

CERTIFICATE OF ANALYSIS

DAW11000438.1

	Method	Analyte	Unit	MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	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	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
566	Soil																							
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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Northern Dancer**
PO Box 2662
Garibaldi Highlands BC V0N1T0 Canada

Project: Leota MB
Report Date: November 10, 2011

Page: 2 of 11 Part 2

CERTIFICATE OF ANALYSIS

DAW11000438.1

	Method Analyte Unit MDL	1F30 La ppm	1F30 Cr ppm	1F30 Mg %	1F30 Ba ppm	1F30 Ti %	1F30 B ppm	1F30 Al %	1F30 Na %	1F30 K %	1F30 W ppm	1F30 Sc ppm	1F30 Ti ppm	1F30 S %	1F30 Hg ppb	1F30 Se ppm	1F30 Te ppm	1F30 Ga 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
566	Soil	24.7	59.4	1.26	171.6	0.146	1	2.52	0.003	0.53	<0.1	4.5	0.37	<0.02	<5	0.2	0.03	9.2
567	Soil	39.8	69.2	1.14	136.3	0.049	1	2.73	0.002	0.17	<0.1	4.5	0.14	<0.02	7	0.2	0.06	8.0
568	Soil	9.9	84.9	1.36	166.5	0.097	<1	2.85	0.003	0.55	<0.1	4.5	0.26	<0.02	<5	0.1	0.05	9.6
569	Soil	7.3	26.9	0.30	90.2	0.041	2	1.56	0.001	0.03	0.1	2.4	0.05	<0.02	6	0.2	0.04	3.0
570	Soil	12.2	79.7	1.30	216.8	0.090	1	1.96	0.006	0.26	<0.1	5.1	0.13	<0.02	19	<0.1	<0.02	6.2
571	Soil	8.7	111.1	1.79	447.3	0.123	<1	2.53	0.006	0.48	<0.1	5.6	0.18	<0.02	<5	0.2	<0.02	6.7
572	Soil	21.9	71.3	1.12	617.2	0.069	<1	2.32	0.004	0.13	<0.1	6.8	0.17	<0.02	18	0.2	0.03	6.2
573	Soil	12.7	39.6	0.67	383.9	0.045	<1	1.85	0.010	0.04	<0.1	4.1	0.05	<0.02	50	0.3	<0.02	4.9
574	Soil	14.2	28.0	0.41	291.2	0.050	<1	1.68	0.010	0.05	<0.1	3.7	0.07	<0.02	30	0.2	<0.02	4.7
575	Soil	18.4	53.0	0.76	533.5	0.083	<1	2.22	0.009	0.07	<0.1	5.8	0.10	<0.02	38	0.1	0.04	6.2
576	Soil	15.2	23.4	0.36	359.0	0.068	<1	1.33	0.011	0.04	<0.1	3.0	0.06	<0.02	15	<0.1	0.04	3.8
577	Soil	13.9	26.3	0.38	395.1	0.079	<1	1.96	0.010	0.04	<0.1	3.7	0.07	<0.02	35	0.2	0.04	5.5
578	Soil	9.7	20.9	0.30	243.2	0.021	<1	1.45	0.005	0.05	0.2	1.6	0.07	<0.02	29	0.1	0.03	4.4
579	Soil	14.1	27.7	0.38	376.2	0.031	<1	1.49	0.006	0.03	<0.1	3.9	0.07	<0.02	34	0.3	<0.02	4.1
580	Soil	16.2	25.4	0.33	305.9	0.047	<1	1.56	0.005	0.03	<0.1	3.7	0.06	<0.02	34	0.1	0.03	4.3
581	Soil	14.5	27.5	0.44	384.6	0.047	<1	1.59	0.009	0.04	0.1	3.7	0.06	<0.02	42	0.2	<0.02	4.4
582	Soil	11.4	20.9	0.32	266.0	0.031	<1	1.20	0.005	0.02	0.1	2.4	0.05	<0.02	22	0.1	0.03	3.4
583	Soil	16.3	30.1	0.42	364.7	0.041	<1	1.74	0.006	0.04	<0.1	5.1	0.08	<0.02	54	0.3	0.04	4.8
584	Soil	9.8	20.4	0.28	177.6	0.025	<1	1.41	0.004	0.03	0.1	1.8	0.08	<0.02	20	<0.1	<0.02	4.1
585	Soil	13.8	27.4	0.42	414.6	0.051	1	1.49	0.010	0.04	0.2	3.7	0.06	<0.02	30	0.2	<0.02	4.0
586	Soil	14.1	26.9	0.42	401.8	0.041	<1	1.48	0.009	0.05	0.1	3.6	0.06	<0.02	31	<0.1	0.02	4.1
587	Soil	13.7	26.3	0.40	326.1	0.044	<1	1.58	0.008	0.04	0.1	3.4	0.06	<0.02	30	0.3	0.03	4.2
588	Soil	12.3	32.0	0.44	297.2	0.048	<1	2.17	0.007	0.05	0.1	2.9	0.09	<0.02	15	0.2	0.03	5.7
589	Soil	15.6	28.0	0.41	359.8	0.040	<1	1.70	0.007	0.04	<0.1	4.2	0.07	<0.02	23	0.2	0.02	4.5
590	Soil	12.5	14.0	0.24	185.9	0.021	<1	0.76	0.003	0.03	<0.1	1.3	0.04	<0.02	6	<0.1	0.02	2.2
591	Soil	13.1	22.5	0.36	243.4	0.057	<1	1.39	0.009	0.04	0.1	2.7	0.05	<0.02	21	<0.1	<0.02	3.6
592	Soil	9.9	16.2	0.23	162.4	0.030	<1	0.93	0.004	0.03	0.2	1.2	0.05	<0.02	19	0.2	<0.02	2.9
593	Soil	10.9	12.3	0.19	231.6	0.023	<1	0.82	0.005	0.04	0.2	1.1	0.08	<0.02	14	0.1	<0.02	3.0
594	Soil	15.8	19.4	0.32	270.2	0.047	<1	1.12	0.007	0.03	0.2	2.4	0.07	<0.02	26	0.3	<0.02	3.6
595	Soil	14.8	28.0	0.39	359.2	0.050	2	1.65	0.009	0.05	0.2	3.5	0.06	<0.02	39	0.2	<0.02	4.7



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	Method	Analyte	Unit	MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30				
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
					ppm	ppm	ppm	ppm	ppb	ppm	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	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
596	Soil	16.1	28.9	0.41	381.4	0.052	<1	1.73	0.009	0.04	0.2	3.9	0.05	<0.02	38	0.4	<0.02
597	Soil	9.2	11.1	0.16	118.9	0.023	<1	0.60	0.003	0.03	<0.1	1.0	0.04	<0.02	11	<0.1	<0.02
598	Soil	11.0	30.0	0.39	194.7	0.037	<1	2.02	0.006	0.04	0.1	2.6	0.08	<0.02	19	0.1	<0.02
599	Soil	10.2	9.3	0.17	106.7	0.012	<1	0.56	0.002	0.03	0.1	1.0	0.05	<0.02	7	<0.1	<0.02
600	Soil	15.9	13.6	0.25	142.1	0.017	<1	0.75	0.004	0.05	0.2	1.3	0.07	<0.02	30	<0.1	<0.02
601	Soil	15.2	15.0	0.25	157.6	0.025	<1	0.88	0.004	0.04	0.1	1.6	0.05	<0.02	32	0.1	<0.02
602	Soil	17.8	15.8	0.30	165.6	0.030	1	0.97	0.004	0.05	0.2	1.7	0.10	<0.02	20	0.2	<0.02
603	Soil	16.8	16.6	0.27	130.7	0.031	<1	0.95	0.003	0.05	0.2	1.6	0.07	<0.02	23	0.2	<0.02
604	Soil	17.4	22.8	0.31	214.5	0.042	<1	1.54	0.006	0.05	0.2	3.0	0.07	<0.02	55	0.3	<0.02
605	Soil	18.6	23.3	0.36	262.9	0.056	<1	1.29	0.010	0.05	0.2	2.9	0.06	<0.02	24	0.1	0.02
606	Soil	19.0	30.1	0.42	375.1	0.057	<1	1.67	0.009	0.05	0.2	4.4	0.07	<0.02	52	0.5	<0.02
607	Soil	17.2	30.3	0.41	307.6	0.052	<1	1.71	0.007	0.04	0.2	3.7	0.07	<0.02	32	0.2	0.03
608	Soil	17.6	27.6	0.43	421.8	0.050	<1	1.58	0.010	0.05	0.2	3.8	0.06	<0.02	42	0.3	<0.02
609	Soil	30.8	20.6	0.31	313.5	0.034	<1	1.32	0.004	0.08	0.1	3.0	0.14	<0.02	28	0.2	<0.02
610	Soil	19.8	16.3	0.27	216.1	0.028	<1	0.84	0.002	0.06	0.1	2.4	0.09	<0.02	25	<0.1	<0.02
611	Soil	19.7	19.6	0.32	198.7	0.031	<1	0.99	0.004	0.06	0.1	2.5	0.08	<0.02	34	0.2	<0.02
612	Soil	17.7	28.4	0.38	285.0	0.038	<1	1.52	0.007	0.06	0.2	2.9	0.09	<0.02	39	0.2	<0.02
613	Soil	12.4	28.0	0.54	222.7	0.037	<1	1.38	0.008	0.04	0.1	3.2	0.05	<0.02	42	0.4	<0.02
614	Soil	4.5	112.9	2.08	312.6	0.061	<1	3.01	<0.001	0.01	<0.1	12.3	<0.02	<0.02	18	0.2	0.12
615	Soil	22.8	47.4	0.70	428.3	0.067	<1	2.43	0.007	0.06	0.1	5.8	0.09	<0.02	48	0.3	<0.02
616	Soil	23.9	57.1	0.86	463.0	0.085	<1	2.51	0.009	0.06	0.1	6.1	0.09	<0.02	46	0.4	0.03
617	Soil	20.1	46.9	0.63	325.1	0.068	<1	2.17	0.006	0.05	0.1	5.5	0.08	<0.02	39	0.2	<0.02
618	Soil	28.4	68.2	1.06	309.9	0.090	<1	2.32	0.003	0.07	0.1	5.7	0.08	<0.02	30	0.3	<0.02
619	Soil	19.0	42.2	0.65	298.1	0.072	<1	1.92	0.008	0.06	<0.1	4.9	0.08	<0.02	26	0.3	<0.02
620	Soil	12.8	27.7	0.43	270.3	0.039	<1	1.20	0.006	0.03	0.1	3.4	0.04	<0.02	42	0.3	<0.02
621	Soil	5.2	129.8	1.22	142.9	0.105	<1	1.86	0.002	0.18	0.1	2.7	0.07	<0.02	5	<0.1	<0.02
622	Soil	12.3	98.2	1.24	213.3	0.084	<1	2.15	0.007	0.12	<0.1	6.5	0.09	<0.02	15	0.3	<0.02
623	Soil	19.0	228.8	4.16	272.0	0.018	<1	4.81	<0.001	0.05	<0.1	16.8	0.03	<0.02	29	0.2	<0.02
624	Soil	19.0	159.6	2.07	322.1	0.020	<1	3.27	0.005	0.18	<0.1	17.5	0.08	<0.02	37	0.2	<0.02
625	Soil	96.2	10.7	0.20	144.6	0.034	<1	0.95	0.002	0.17	<0.1	4.0	0.09	<0.02	12	0.3	<0.02



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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		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
626	Soil	0.62	53.58	15.47	84.6	37	35.6	13.8	630	3.91	6.0	2.0	2.8	13.2	27.8	0.09	0.40	0.23	71	0.45
627	Soil	0.58	39.10	7.47	55.6	37	25.7	8.6	220	2.46	5.3	0.6	1.1	4.6	9.3	0.06	0.40	0.14	48	0.11
628	Soil	0.79	25.42	9.39	41.4	51	20.0	7.4	176	2.01	8.3	0.8	2.1	4.8	13.4	0.04	0.71	0.17	40	0.13
629	Soil	0.88	23.44	9.62	44.1	31	19.2	7.7	151	2.29	9.6	0.5	2.4	3.8	11.4	0.07	0.66	0.17	48	0.10
630	Soil	0.38	12.51	5.92	28.4	23	9.5	3.6	67	0.99	4.2	0.3	3.1	3.4	4.3	0.04	0.45	0.10	14	0.03
631	Soil	0.91	27.91	10.04	43.2	41	23.5	11.1	243	2.37	8.7	0.9	9.5	4.9	15.8	0.07	0.61	0.15	52	0.15
632	Soil	0.86	15.51	10.26	42.2	52	15.9	7.4	170	2.34	8.5	0.6	2.2	4.0	7.5	0.05	0.48	0.17	53	0.06
633	Soil	0.60	20.03	8.10	32.6	18	16.4	6.4	97	1.55	7.0	0.4	1.3	3.5	6.9	0.05	0.53	0.16	28	0.06
634	Soil	0.49	18.61	6.29	32.6	23	14.1	4.8	104	1.35	5.3	1.0	2.0	4.2	7.9	0.04	0.49	0.11	24	0.07
635	Soil	0.92	31.13	11.22	57.5	56	27.6	9.3	248	2.68	12.5	1.0	3.7	5.8	16.4	0.08	0.88	0.21	49	0.18
636	Soil	0.81	21.95	9.35	39.5	30	17.9	8.2	201	2.00	8.5	0.6	1.8	4.1	8.7	0.08	0.66	0.17	38	0.06
637	Soil	0.91	29.41	11.91	44.7	47	21.2	9.1	231	2.32	8.9	0.8	3.6	5.1	19.5	0.05	0.74	0.19	49	0.21
638	Soil	1.01	20.61	10.54	41.4	74	16.0	7.5	216	2.38	11.6	1.0	3.4	4.2	16.1	0.06	0.67	0.22	43	0.18
639	Soil	0.88	23.64	10.50	43.5	34	17.9	7.5	142	2.23	10.4	0.4	4.5	4.1	9.4	0.10	0.85	0.22	43	0.07
640	Soil	0.97	27.84	11.07	49.9	29	21.0	8.6	210	2.33	11.0	0.9	4.4	4.7	19.9	0.06	0.89	0.22	45	0.17
641	Soil	0.81	24.42	10.22	44.9	63	18.4	8.0	183	2.46	11.6	0.6	4.2	4.1	19.0	0.05	0.75	0.20	46	0.21
642	Soil	1.03	34.20	11.60	52.5	65	22.6	11.6	282	2.69	13.9	1.3	3.7	5.3	19.2	0.07	0.87	0.23	48	0.19
643	Soil	0.57	15.83	7.99	38.8	79	13.4	5.2	167	1.42	8.2	0.5	3.6	1.7	9.0	0.21	0.68	0.22	23	0.08
644	Soil	0.42	12.87	6.40	37.2	40	10.7	3.9	111	1.22	6.5	0.6	3.9	2.6	6.7	0.13	0.59	0.14	17	0.06
645	Soil	0.98	17.08	9.39	43.6	34	15.8	6.1	179	2.01	11.7	0.4	345.6	3.8	7.3	0.11	0.84	0.24	34	0.06
646	Soil	0.45	13.45	5.87	38.6	18	10.9	4.4	127	1.34	5.6	0.7	1.2	3.5	6.6	0.06	0.48	0.10	20	0.07
647	Soil	1.00	15.46	11.38	46.7	59	16.7	7.5	173	2.69	11.2	0.4	1.3	3.0	9.3	0.08	0.61	0.18	53	0.08
648	Soil	0.61	16.00	6.64	35.1	12	12.2	4.8	124	1.53	5.1	1.3	1.6	3.7	12.7	0.05	0.53	0.13	29	0.11
649	Soil	0.84	23.81	10.23	47.8	25	18.1	7.9	139	2.22	8.3	0.8	3.2	4.0	17.6	0.08	0.77	0.18	43	0.15
650	Soil	0.71	21.72	9.06	48.8	42	17.3	6.9	208	1.93	7.4	0.6	1.9	3.9	19.1	0.12	0.63	0.16	35	0.22
651	Soil	0.77	21.28	8.99	47.7	29	16.5	7.3	204	2.16	7.3	0.6	3.2	3.6	17.6	0.07	0.67	0.16	40	0.18
652	Soil	0.89	27.45	9.99	56.0	67	23.2	8.7	296	2.58	10.3	0.7	3.3	4.5	24.7	0.09	0.89	0.19	46	0.30
653	Soil	1.08	32.52	12.22	63.2	119	27.5	10.2	396	2.76	12.2	1.0	4.1	4.7	30.9	0.12	0.97	0.21	48	0.38
654	Soil	0.88	28.74	11.20	54.3	109	23.9	8.1	296	2.66	11.0	1.4	4.5	4.5	28.0	0.10	0.81	0.20	47	0.37
655	Soil	0.93	30.76	10.94	51.7	131	25.8	8.4	320	2.61	11.7	1.3	5.6	4.8	27.4	0.07	0.76	0.18	45	0.34



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
626	Soil	27.8	66.0	1.28	408.2	0.073	<1	2.42	0.008	0.16	<0.1	9.1	0.12	<0.02	36	0.5	<0.02
627	Soil	18.7	39.9	0.65	338.2	0.059	<1	1.80	<0.001	0.06	<0.1	4.4	0.07	<0.02	18	0.2	<0.02
628	Soil	16.3	25.7	0.33	255.9	0.057	<1	1.27	0.006	0.04	0.1	3.6	0.04	<0.02	36	0.2	<0.02
629	Soil	12.6	26.9	0.36	233.7	0.033	<1	1.64	0.001	0.05	0.1	2.8	0.06	<0.02	27	0.2	<0.02
630	Soil	10.5	9.2	0.12	75.0	0.013	<1	0.56	<0.001	0.02	<0.1	0.9	0.03	<0.02	11	<0.1	<0.02
631	Soil	15.0	27.5	0.41	286.3	0.089	<1	1.81	0.007	0.04	0.1	4.4	0.06	<0.02	41	0.2	0.02
632	Soil	13.2	30.4	0.35	200.8	0.045	<1	1.84	0.001	0.03	0.1	4.0	0.09	<0.02	12	<0.1	0.03
633	Soil	9.1	20.3	0.21	135.4	0.018	<1	1.38	<0.001	0.03	<0.1	1.5	0.07	<0.02	18	<0.1	<0.02
634	Soil	16.1	15.9	0.22	160.4	0.031	<1	0.83	0.002	0.03	<0.1	2.4	0.04	<0.02	18	0.2	<0.02
635	Soil	17.2	32.5	0.43	353.0	0.053	<1	1.62	0.005	0.05	0.1	5.1	0.06	<0.02	61	0.2	<0.02
636	Soil	11.1	22.9	0.24	181.0	0.033	<1	1.41	0.001	0.03	0.1	2.1	0.07	<0.02	29	<0.1	<0.02
637	Soil	19.2	27.3	0.36	306.1	0.059	<1	1.78	0.004	0.04	<0.1	4.3	0.07	<0.02	43	0.1	<0.02
638	Soil	14.0	26.9	0.38	318.3	0.036	<1	1.40	0.004	0.03	0.2	3.4	0.06	<0.02	24	0.5	<0.02
639	Soil	11.4	24.3	0.32	235.6	0.030	<1	1.53	0.001	0.03	0.2	2.1	0.08	<0.02	17	0.4	<0.02
640	Soil	15.4	27.0	0.40	340.1	0.056	<1	1.43	0.004	0.03	0.2	3.8	0.06	<0.02	28	0.6	<0.02
641	Soil	12.7	27.3	0.40	355.8	0.037	<1	1.54	0.004	0.03	0.2	3.6	0.05	<0.02	28	0.4	0.02
642	Soil	17.4	31.5	0.41	410.9	0.046	<1	1.62	0.005	0.04	0.2	5.0	0.06	<0.02	42	0.8	0.03
643	Soil	9.6	13.6	0.20	156.3	0.019	<1	0.82	0.002	0.05	0.2	1.1	0.09	<0.02	14	0.5	<0.02
644	Soil	10.0	10.4	0.19	111.7	0.020	<1	0.63	<0.001	0.03	0.1	1.2	0.04	<0.02	12	0.4	<0.02
645	Soil	8.6	22.1	0.27	155.7	0.029	<1	1.25	0.001	0.04	0.2	1.8	0.08	<0.02	13	0.6	<0.02
646	Soil	11.1	12.8	0.24	93.7	0.023	<1	0.73	0.002	0.02	0.1	1.3	0.05	<0.02	13	<0.1	<0.02
647	Soil	10.1	26.0	0.35	191.8	0.036	<1	1.81	0.002	0.04	0.1	2.0	0.08	<0.02	19	0.3	0.06
648	Soil	13.5	17.0	0.27	156.5	0.046	<1	0.89	0.004	0.02	0.1	2.2	0.04	<0.02	25	0.1	0.05
649	Soil	15.5	24.8	0.35	282.5	0.051	<1	1.42	0.006	0.04	0.1	3.6	0.06	<0.02	33	0.1	0.05
650	Soil	13.8	21.2	0.36	258.8	0.046	<1	1.15	0.010	0.04	0.1	2.5	0.06	<0.02	28	0.1	0.05
651	Soil	13.2	24.9	0.41	262.2	0.049	<1	1.34	0.007	0.04	0.2	2.9	0.05	<0.02	26	0.2	0.04
652	Soil	14.8	28.6	0.46	357.0	0.053	<1	1.53	0.011	0.05	0.2	3.6	0.07	<0.02	38	<0.1	0.03
653	Soil	16.4	30.9	0.49	398.4	0.052	1	1.57	0.012	0.05	0.2	3.8	0.07	<0.02	60	0.2	0.06
654	Soil	15.3	30.4	0.47	411.7	0.044	<1	1.58	0.011	0.04	0.2	3.6	0.06	<0.02	40	0.3	0.03
655	Soil	16.8	28.8	0.46	377.1	0.049	1	1.58	0.008	0.04	0.2	4.0	0.06	<0.02	43	0.3	0.02



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	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	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
656	Soil	0.51	44.93	13.59	99.8	62	33.4	6.9	201	2.85	11.9	1.9	0.5	6.7	7.9	0.26	0.36	0.14	46	0.10	0.034
657	Soil	0.79	32.72	7.30	52.4	25	23.3	8.7	273	2.09	9.0	1.2	2.2	5.3	9.0	0.07	0.56	0.14	35	0.08	0.014
658	Soil	0.84	40.03	8.58	87.6	45	29.7	8.7	263	2.84	9.2	1.2	1.3	3.9	12.6	0.07	0.41	0.15	55	0.13	0.016
659	Soil	0.78	17.53	9.83	54.9	38	17.0	6.7	186	2.23	8.1	0.7	3.5	3.3	10.9	0.09	0.51	0.21	44	0.12	0.011
660	Soil	0.85	60.69	9.81	164.2	48	45.5	12.4	407	4.11	9.2	2.3	3.6	6.0	14.8	0.12	0.35	0.19	84	0.20	0.029
661	Soil	1.05	69.59	10.95	140.1	43	63.8	15.3	417	4.90	11.6	2.4	3.5	7.2	18.9	0.16	0.42	0.21	95	0.24	0.039
662	Soil	0.83	51.12	8.93	107.3	50	51.6	20.5	586	5.18	3.4	2.0	1.0	5.4	21.4	0.32	0.29	0.14	124	0.30	0.077
663	Soil	0.57	35.46	8.50	105.4	73	60.5	22.0	764	4.58	3.3	1.5	1.3	5.8	25.9	0.20	0.12	0.11	80	0.45	0.095
664	Soil	0.36	15.88	6.64	33.0	21	25.7	8.6	186	2.40	4.0	0.6	1.2	4.3	19.2	0.02	0.19	0.12	40	0.27	0.032
665	Soil	0.21	15.23	3.91	43.5	14	32.4	14.9	365	4.13	2.0	0.9	1.8	9.1	32.7	0.02	0.16	0.06	95	0.70	0.116
666	Soil	0.14	5.73	2.86	31.2	5	23.7	7.9	208	2.73	1.2	1.1	1.1	12.9	29.4	<0.01	0.10	0.06	41	0.66	0.127
667	Soil	0.59	16.02	7.30	45.6	21	17.3	8.7	201	2.69	6.2	0.9	1.1	9.3	22.6	0.05	0.39	0.12	45	0.32	0.078
668	Soil	0.33	14.82	5.45	31.9	21	11.9	3.6	114	1.26	5.3	0.8	3.9	4.7	8.4	0.06	0.45	0.12	19	0.10	0.026
669	Soil	0.34	16.30	6.34	35.1	26	14.1	4.7	138	1.31	5.4	0.8	1.6	4.5	9.7	0.10	0.48	0.13	20	0.13	0.035
670	Soil	0.51	29.32	7.35	47.1	37	24.9	9.5	325	2.51	6.2	1.7	3.0	4.6	20.4	0.07	0.51	0.13	47	0.28	0.070
671	Soil	0.49	16.57	8.10	33.0	18	14.8	5.6	227	1.31	4.9	0.8	3.5	4.1	10.3	0.06	0.56	0.12	22	0.11	0.027
672	Soil	0.77	40.84	11.31	65.5	27	39.7	13.6	373	4.15	8.8	1.5	3.4	8.4	24.2	0.07	0.77	0.22	80	0.34	0.055
673	Soil	0.57	29.06	9.75	51.6	65	29.5	10.4	328	3.15	8.0	0.7	4.0	4.7	26.5	0.05	0.56	0.15	62	0.38	0.050
674	Soil	0.30	32.95	4.57	51.8	16	38.2	14.3	351	3.50	4.2	0.7	3.3	3.3	28.4	0.04	0.29	0.08	69	0.57	0.090
675	Soil	0.22	29.03	4.30	47.2	14	48.9	20.8	319	3.78	2.4	0.4	0.7	4.9	29.2	0.03	0.13	0.06	68	0.50	0.039
676	Soil	0.41	17.66	5.31	47.5	15	32.8	11.3	227	3.15	5.0	0.6	0.9	4.3	22.0	0.04	0.31	0.09	63	0.37	0.039
677	Soil	0.69	12.18	7.84	47.8	87	46.2	13.0	290	3.61	8.4	0.4	1.6	3.0	15.3	0.05	0.34	0.13	73	0.21	0.034
678	Soil	0.39	13.48	7.62	41.7	39	17.8	8.6	168	2.57	5.8	0.5	1.1	5.9	11.0	0.04	0.32	0.12	48	0.15	0.032
679	Soil	0.28	7.50	5.11	31.9	42	11.0	9.8	279	3.06	3.7	0.6	1.0	6.6	16.6	0.05	0.18	0.09	54	0.25	0.077
680	Soil	0.79	44.30	10.24	112.5	61	34.2	9.8	310	3.60	9.0	0.7	3.0	5.8	9.2	0.16	0.52	0.16	61	0.08	0.023
681	Soil	0.62	16.15	9.39	42.9	133	19.0	8.3	279	2.40	7.9	0.6	2.4	3.7	11.0	0.06	0.48	0.15	48	0.10	0.010
682	Soil	0.53	66.23	11.95	93.7	63	38.5	9.6	342	3.84	8.3	1.3	1.9	9.3	13.8	0.11	0.53	0.21	77	0.17	0.026
683	Soil	0.59	57.61	9.98	78.2	98	41.2	11.1	336	3.59	7.8	1.0	1.4	8.0	11.0	0.11	0.46	0.19	53	0.14	0.022
684	Soil	0.91	27.84	11.91	47.6	71	19.7	9.4	212	2.76	11.1	1.4	4.1	5.7	14.6	0.06	0.77	0.21	54	0.14	0.012
685	Soil	0.75	24.55	11.38	43.0	50	18.8	7.0	150	2.18	8.7	1.0	3.1	5.0	12.7	0.05	0.67	0.17	41	0.12	0.011



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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
656	Soil	22.3	36.5	0.61	217.1	0.063	<1	1.55	<0.001	0.23	<0.1	3.6	0.40	<0.02	18	0.3	0.05
657	Soil	11.9	23.0	0.42	206.4	0.040	<1	1.26	0.002	0.05	<0.1	2.6	0.11	<0.02	24	0.1	0.03
658	Soil	12.2	37.4	0.71	281.9	0.068	<1	1.84	0.003	0.05	<0.1	3.7	0.11	<0.02	12	0.1	0.04
659	Soil	10.4	30.0	0.46	197.7	0.038	2	1.33	0.004	0.03	<0.1	2.3	0.08	<0.02	8	0.1	0.04
660	Soil	25.9	95.5	1.31	471.0	0.079	1	2.51	0.002	0.17	<0.1	8.6	0.19	<0.02	27	0.2	0.06
661	Soil	27.0	103.5	1.37	587.6	0.083	<1	2.78	0.003	0.11	<0.1	9.7	0.21	<0.02	36	0.2	0.05
662	Soil	18.9	106.2	1.60	738.8	0.114	1	2.94	<0.001	0.77	<0.1	11.3	0.36	<0.02	12	<0.1	0.04
663	Soil	19.2	122.4	2.11	667.0	0.084	<1	3.12	<0.001	0.56	<0.1	6.1	0.24	<0.02	8	<0.1	0.03
664	Soil	18.2	49.0	0.78	156.7	0.033	<1	1.58	0.004	0.02	<0.1	2.9	0.07	<0.02	16	<0.1	<0.02
665	Soil	23.8	92.2	1.51	232.3	0.083	1	2.41	0.010	0.05	<0.1	13.9	0.07	<0.02	11	0.1	<0.02
666	Soil	28.2	64.1	2.79	266.8	0.079	<1	2.85	0.003	0.28	<0.1	6.4	0.12	<0.02	8	0.1	<0.02
667	Soil	30.6	33.7	0.65	232.5	0.055	<1	1.63	0.005	0.07	0.1	2.9	0.07	<0.02	12	0.2	0.02
668	Soil	15.1	14.5	0.22	106.3	0.025	<1	0.61	0.003	0.04	0.1	1.6	0.06	<0.02	19	0.1	<0.02
669	Soil	14.1	15.8	0.27	124.6	0.030	<1	0.64	0.003	0.05	0.1	1.7	0.06	<0.02	16	<0.1	<0.02
670	Soil	17.6	41.7	0.67	253.2	0.052	1	1.45	0.006	0.05	0.1	4.4	0.07	<0.02	41	0.2	<0.02
671	Soil	13.6	16.3	0.24	168.6	0.027	<1	0.68	0.003	0.04	<0.1	1.8	0.06	<0.02	18	<0.1	<0.02
672	Soil	26.5	72.5	0.90	361.6	0.052	<1	2.59	0.005	0.09	<0.1	7.4	0.14	<0.02	41	0.2	<0.02
673	Soil	13.9	57.7	0.81	308.3	0.065	<1	1.65	0.011	0.06	<0.1	5.5	0.09	<0.02	26	<0.1	<0.02
674	Soil	8.3	80.1	1.15	245.3	0.087	<1	1.95	0.012	0.11	<0.1	6.8	0.12	<0.02	16	0.2	<0.02
675	Soil	8.8	127.1	1.71	279.7	0.098	<1	2.54	0.005	0.27	<0.1	6.4	0.14	<0.02	8	0.1	<0.02
676	Soil	9.4	84.4	1.10	167.0	0.075	1	1.93	0.007	0.04	<0.1	5.8	0.13	<0.02	13	0.2	0.02
677	Soil	8.1	153.1	1.23	235.6	0.083	<1	2.35	0.003	0.05	<0.1	5.0	0.09	<0.02	15	0.2	<0.02
678	Soil	14.7	36.8	0.66	194.6	0.046	<1	1.57	0.003	0.06	0.1	3.0	0.06	<0.02	12	0.1	<0.02
679	Soil	10.5	29.7	0.91	385.0	0.134	<1	1.90	0.003	0.63	<0.1	2.7	0.14	<0.02	8	<0.1	<0.02
680	Soil	13.1	45.8	0.86	362.5	0.053	<1	2.33	0.001	0.05	<0.1	4.1	0.11	<0.02	19	0.2	0.05
681	Soil	12.3	30.8	0.44	384.8	0.039	<1	1.54	0.003	0.04	0.1	3.4	0.08	<0.02	18	0.2	0.03
682	Soil	24.5	52.6	1.01	617.9	0.089	<1	2.47	<0.001	0.26	<0.1	7.0	0.23	<0.02	37	0.2	0.09
683	Soil	39.0	47.8	0.82	450.9	0.050	<1	2.22	0.001	0.09	<0.1	4.6	0.13	<0.02	20	0.3	0.06
684	Soil	18.8	33.4	0.40	332.7	0.050	<1	1.77	0.004	0.04	0.1	4.7	0.09	<0.02	35	0.2	0.04
685	Soil	16.8	26.6	0.34	289.9	0.034	<1	1.39	0.004	0.03	0.1	3.4	0.07	<0.02	31	0.2	0.03



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					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	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	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
686	Soil	15.7	32.2	0.43	358.0	0.041	<1	1.75	0.005	0.04	0.1	3.9	0.10	<0.02	29	0.5	0.03
687	Soil	10.3	19.6	0.18	246.4	0.023	<1	1.43	0.002	0.04	0.1	1.6	0.09	<0.02	19	0.1	0.02
688	Soil	10.7	22.3	0.23	163.4	0.022	<1	1.44	0.002	0.04	<0.1	1.7	0.10	<0.02	17	0.2	0.03
689	Soil	16.2	20.8	0.32	290.2	0.048	<1	1.08	0.006	0.03	0.1	2.6	0.07	<0.02	29	0.1	0.04
690	Soil	17.9	12.4	0.21	130.2	0.022	<1	0.73	0.002	0.02	<0.1	1.4	0.05	<0.02	14	<0.1	0.02
691	Soil	13.5	15.8	0.19	143.7	0.014	<1	1.05	0.001	0.03	<0.1	1.7	0.07	<0.02	11	<0.1	<0.02
692	Soil	10.4	29.0	0.33	295.2	0.029	<1	1.89	0.002	0.04	0.1	2.1	0.10	<0.02	20	0.2	0.03
693	Soil	11.5	21.7	0.29	169.6	0.029	<1	1.40	0.003	0.04	0.2	1.8	0.11	<0.02	28	0.2	0.03
694	Soil	15.4	24.4	0.33	233.5	0.056	<1	1.24	0.008	0.03	0.1	3.3	0.06	<0.02	24	<0.1	0.03
695	Soil	9.6	17.5	0.26	253.0	0.029	2	1.10	0.004	0.06	0.2	1.3	0.07	<0.02	15	<0.1	0.02
696	Soil	11.2	21.6	0.31	147.4	0.042	2	1.33	0.003	0.04	0.2	1.8	0.07	<0.02	18	0.1	0.04
697	Soil	14.6	22.7	0.41	289.0	0.043	1	1.39	0.007	0.04	0.2	2.6	0.07	<0.02	35	0.3	<0.02
698	Soil	13.8	17.9	0.34	191.5	0.036	2	0.98	0.005	0.04	0.1	1.9	0.07	<0.02	29	0.3	0.03
699	Soil	16.8	24.5	0.48	443.6	0.035	2	1.32	0.012	0.05	0.2	2.8	0.07	<0.02	57	0.2	0.04
700	Soil	16.6	25.1	0.45	439.5	0.038	2	1.53	0.012	0.05	0.2	3.1	0.07	<0.02	53	0.4	0.06
701	Soil	17.0	24.0	0.44	418.5	0.039	1	1.47	0.013	0.05	0.2	3.2	0.06	<0.02	42	0.4	0.04
702	Soil	15.9	27.5	0.46	465.3	0.041	1	1.69	0.011	0.05	0.2	3.8	0.07	<0.02	48	0.3	0.03
703	Soil	14.9	26.6	0.47	417.6	0.040	2	1.52	0.012	0.05	0.2	3.5	0.06	<0.02	44	0.3	0.04
704	Soil	15.7	28.1	0.46	416.0	0.041	1	1.55	0.012	0.05	0.2	3.7	0.06	<0.02	55	0.2	0.03
705	Soil	14.9	25.6	0.42	312.8	0.044	1	1.38	0.013	0.05	0.2	3.1	0.05	<0.02	34	0.2	0.04
706	Soil	13.0	20.2	0.37	263.8	0.034	1	1.19	0.007	0.03	0.2	2.2	0.06	<0.02	27	0.3	<0.02
707	Soil	12.0	36.2	0.56	279.5	0.042	<1	1.80	0.003	0.06	0.1	3.2	0.08	<0.02	21	0.5	<0.02
708	Soil	16.5	30.6	0.58	312.4	0.064	<1	1.44	0.005	0.13	<0.1	4.3	0.09	<0.02	31	0.3	<0.02
709	Soil	16.3	30.8	0.61	327.0	0.107	<1	2.00	0.001	0.42	<0.1	5.1	0.21	<0.02	16	0.3	0.02
710	Soil	21.0	20.1	0.36	234.8	0.032	<1	1.18	0.004	0.05	0.1	2.6	0.07	<0.02	30	<0.1	0.02
711	Soil	16.8	30.1	0.42	300.1	0.036	1	1.78	0.001	0.07	0.2	2.8	0.13	<0.02	28	0.4	0.05
712	Soil	37.0	30.1	0.42	322.9	0.032	<1	1.52	0.002	0.10	0.2	3.3	0.22	<0.02	30	0.4	0.04
713	Soil	43.1	51.4	1.09	168.9	0.033	<1	2.47	0.003	0.13	<0.1	5.8	0.13	<0.02	21	0.2	<0.02
714	Soil	18.1	30.3	0.61	189.7	0.049	<1	1.42	0.009	0.05	0.1	3.6	0.06	<0.02	29	0.3	<0.02
715	Soil	36.1	58.1	1.30	215.2	0.061	<1	2.59	0.002	0.13	<0.1	5.5	0.12	<0.02	24	0.2	<0.02



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

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Northern Dancer**
PO Box 2662
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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		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
716	Soil	0.50	30.78	12.49	65.8	26	46.2	13.2	383	3.17	6.0	1.5	1.8	6.8	20.4	0.07	0.40	0.18	58	0.30
717	Soil	0.59	27.36	9.06	44.5	42	24.6	7.8	228	2.65	7.3	1.9	3.1	6.4	19.0	0.04	0.60	0.16	49	0.23
718	Soil	0.52	18.92	8.44	38.2	40	16.6	6.5	181	2.06	7.1	1.2	2.1	4.6	14.2	0.04	0.47	0.14	40	0.16
719	Soil	0.92	20.74	10.18	46.1	40	24.4	8.5	193	2.41	13.0	0.6	0.7	5.0	9.6	0.09	0.77	0.46	44	0.09
720	Soil	0.70	20.14	8.93	46.2	23	21.0	8.5	216	2.35	9.3	0.6	2.5	3.8	14.6	0.08	0.61	0.22	43	0.16
721	Soil	1.03	32.33	11.48	68.2	42	25.7	8.4	206	2.53	9.9	0.9	5.0	5.6	13.7	0.12	0.95	0.26	51	0.13
722	Soil	0.81	18.95	10.75	47.9	52	20.6	6.0	217	2.16	10.9	0.5	1.5	4.4	10.4	0.11	0.82	0.25	36	0.10
723	Soil	0.71	15.31	9.92	51.2	99	19.4	9.9	261	2.51	9.4	0.5	2.5	3.8	11.3	0.07	0.58	0.20	48	0.11
724	Soil	0.23	41.02	5.32	52.2	17	60.8	10.9	217	3.41	9.0	1.5	1.1	15.9	21.0	0.03	0.23	0.10	59	0.36
725	Soil	0.24	33.88	8.78	65.3	11	35.1	13.9	336	3.77	6.6	1.5	0.7	15.3	15.6	0.03	0.13	0.11	54	0.21
726	Soil	0.44	20.57	23.10	70.6	28	28.0	13.1	297	3.40	5.2	0.6	<0.2	8.2	16.8	0.05	0.17	0.16	48	0.26
727	Soil	0.21	37.87	6.05	47.7	9	38.2	11.0	237	4.08	8.8	1.5	0.6	13.5	20.6	0.02	0.15	0.25	67	0.30
728	Soil	0.42	18.64	6.38	45.3	10	23.4	9.4	213	2.41	7.1	0.7	2.8	5.2	15.4	0.05	0.45	0.11	44	0.19
729	Soil	0.29	29.60	4.55	43.5	22	42.0	13.4	307	3.09	4.8	1.3	2.1	3.7	24.6	0.05	0.25	0.08	62	0.46
730	Soil	0.30	14.74	4.37	67.2	57	104.8	26.0	788	5.62	4.3	0.4	0.3	2.0	28.4	0.08	0.11	0.11	119	0.53
731	Soil	0.67	22.68	14.93	83.8	83	19.8	10.4	378	3.58	6.2	0.8	3.1	5.9	12.1	0.17	0.38	0.33	60	0.13
732	Soil	0.41	25.29	58.90	100.7	135	15.9	8.9	477	2.63	4.6	1.1	2.3	17.2	11.5	0.21	0.30	0.79	44	0.14
733	Soil	0.16	12.23	6.50	20.4	18	9.7	1.4	211	0.64	3.1	1.2	1.7	21.5	8.7	0.06	0.20	0.16	8	0.09
734	Soil	0.37	29.39	13.87	108.1	57	58.9	25.7	395	5.21	9.6	1.4	1.3	5.7	23.8	0.09	0.21	0.31	111	0.35
735	Soil	0.36	15.23	23.27	65.0	34	15.2	6.2	507	1.26	6.5	1.0	2.3	23.1	10.2	0.15	0.42	0.34	16	0.12
736	Soil	1.02	67.60	9.90	61.2	66	34.4	8.3	244	2.69	11.3	1.9	5.6	6.6	10.9	0.10	0.81	0.19	43	0.10
737	Soil	0.57	13.44	8.01	41.4	27	16.4	5.5	114	1.57	7.6	0.4	0.6	3.5	5.8	0.07	0.55	0.17	22	0.06
738	Soil	0.58	12.23	6.80	38.5	54	12.9	4.6	135	1.50	6.3	0.3	7.5	3.2	9.5	0.08	0.49	0.15	24	0.10
739	Soil	0.77	19.60	10.80	45.7	170	20.2	7.1	186	2.10	11.0	0.5	4.4	4.6	10.5	0.09	0.64	0.18	37	0.10
740	Soil	0.92	10.55	9.25	49.3	177	14.5	7.2	301	2.35	9.3	0.4	3.2	3.1	10.4	0.10	0.47	0.18	46	0.13
741	Soil	1.14	25.99	12.22	54.5	209	23.6	8.7	328	2.78	11.9	0.7	2.8	4.1	14.9	0.10	0.96	0.24	55	0.17
742	Soil	1.06	19.69	9.92	48.5	93	22.0	8.9	363	2.34	10.7	0.6	1.0	3.8	12.2	0.08	0.70	0.24	44	0.14
743	Soil	1.23	31.76	13.56	63.7	124	29.0	8.8	201	2.97	15.5	0.9	5.8	6.0	8.7	0.10	0.94	0.26	61	0.08
744	Soil	1.52	34.04	13.34	60.9	90	24.6	9.7	287	3.18	13.0	2.4	463.0	4.8	11.5	0.08	1.00	0.24	69	0.09
745	Soil	0.94	21.04	11.71	49.1	50	20.0	7.5	134	2.55	7.6	0.6	3.4	3.8	11.4	0.07	0.67	0.22	53	0.09



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Northern Dancer**
PO Box 2662
Garibaldi Highlands BC V0N1T0 Canada

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	Method	Analyte	Unit	MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30			
					La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
					ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
716	Soil				22.9	83.9	1.05	281.1	0.081	<1	2.03	0.004	0.24	<0.1	4.9	0.15	<0.02	23	0.1	0.03	6.4
717	Soil				21.2	37.1	0.65	294.0	0.057	<1	1.86	0.006	0.05	<0.1	4.3	0.07	<0.02	26	0.3	<0.02	5.4
718	Soil				16.1	25.3	0.42	228.2	0.045	1	1.40	0.005	0.04	0.1	3.0	0.06	<0.02	32	0.4	<0.02	3.8
719	Soil				12.4	25.7	0.40	192.5	0.038	<1	1.75	0.002	0.05	0.1	2.2	0.08	<0.02	16	0.3	0.03	4.2
720	Soil				13.6	26.2	0.43	232.6	0.042	1	1.56	0.005	0.04	0.2	2.6	0.10	<0.02	18	0.2	0.04	4.2
721	Soil				20.8	33.5	0.54	187.4	0.055	1	1.76	0.005	0.09	0.2	4.8	0.13	<0.02	42	0.4	0.03	4.6
722	Soil				11.4	23.3	0.32	246.7	0.028	1	1.67	0.001	0.11	0.2	2.3	0.11	<0.02	14	<0.1	0.04	4.2
723	Soil				11.8	28.6	0.39	222.9	0.038	1	1.73	0.004	0.09	0.2	2.6	0.09	<0.02	19	0.2	<0.02	4.8
724	Soil				35.0	108.1	0.87	227.9	0.090	<1	1.91	0.003	0.48	<0.1	4.4	0.35	<0.02	18	0.1	0.03	6.9
725	Soil				48.6	50.7	0.99	205.8	0.106	<1	2.37	<0.001	0.57	<0.1	5.0	0.37	<0.02	13	0.1	<0.02	8.4
726	Soil				29.2	67.4	1.04	254.5	0.136	<1	2.22	<0.001	0.84	<0.1	2.1	0.28	<0.02	<5	<0.1	<0.02	7.2
727	Soil				45.3	55.9	0.94	204.8	0.024	<1	2.19	0.003	0.18	<0.1	8.3	0.12	<0.02	13	0.1	0.07	6.6
728	Soil				14.6	40.7	0.67	163.7	0.060	<1	1.41	0.006	0.06	0.1	3.5	0.08	<0.02	42	0.3	<0.02	4.2
729	Soil				10.7	82.3	1.10	263.4	0.090	<1	1.89	0.011	0.10	<0.1	6.5	0.12	<0.02	26	<0.1	<0.02	5.4
730	Soil				8.3	287.7	2.69	453.7	0.062	<1	3.74	<0.001	0.25	<0.1	10.9	0.11	<0.02	12	<0.1	<0.02	11.9
731	Soil				15.8	40.1	0.81	299.2	0.123	1	1.97	0.004	0.31	<0.1	4.2	0.21	<0.02	16	0.2	0.02	6.6
732	Soil				43.6	34.0	0.60	325.3	0.058	1	1.49	0.002	0.29	<0.1	4.5	0.19	<0.02	13	0.3	<0.02	5.0
733	Soil				56.8	7.1	0.08	308.7	0.005	<1	0.49	0.002	0.04	<0.1	1.7	0.05	<0.02	15	<0.1	<0.02	1.7
734	Soil				20.0	154.5	2.41	753.3	0.274	<1	3.68	0.005	1.17	<0.1	11.7	0.93	<0.02	14	0.2	<0.02	10.5
735	Soil				61.6	11.6	0.14	373.9	0.009	<1	0.93	0.002	0.06	<0.1	2.5	0.07	<0.02	30	0.1	<0.02	2.6
736	Soil				24.1	30.9	0.38	424.7	0.025	1	1.61	0.003	0.05	0.2	3.2	0.14	<0.02	30	0.5	0.06	4.1
737	Soil				9.7	13.7	0.22	100.6	0.014	<1	0.93	0.001	0.04	0.1	1.1	0.05	<0.02	<5	0.2	<0.02	2.6
738	Soil				11.7	13.3	0.23	163.6	0.015	<1	0.89	0.002	0.04	0.1	1.1	0.06	<0.02	7	0.2	<0.02	2.8
739	Soil				13.6	22.0	0.33	219.1	0.025	1	1.38	0.003	0.08	0.2	2.0	0.07	<0.02	15	0.3	<0.02	3.8
740	Soil				11.2	22.0	0.35	173.7	0.034	<1	1.23	0.003	0.07	0.2	1.9	0.08	<0.02	9	0.3	<0.02	4.7
741	Soil				15.2	30.3	0.43	337.4	0.047	2	1.77	0.006	0.06	0.2	3.2	0.10	<0.02	18	0.3	0.04	5.3
742	Soil				11.2	23.0	0.38	234.3	0.030	1	1.41	0.005	0.05	0.2	1.9	0.08	<0.02	11	0.3	0.04	4.4
743	Soil				15.5	35.5	0.43	213.2	0.052	2	2.38	0.003	0.05	0.3	3.6	0.13	<0.02	29	0.4	0.02	6.3
744	Soil				20.2	35.8	0.43	218.4	0.046	<1	2.18	0.004	0.05	0.2	5.5	0.11	<0.02	26	0.4	0.04	6.1
745	Soil				10.8	28.7	0.34	193.2	0.045	<1	2.13	0.007	0.04	0.1	2.3	0.11	<0.02	22	0.3	0.02	6.0



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

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		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
746	Soil	1.17	30.10	10.70	67.0	53	25.2	9.5	261	2.77	10.2	1.6	5.0	5.4	24.7	0.07	0.95	0.33	53	0.27
747	Soil	1.08	22.97	10.54	57.2	75	20.8	7.6	194	2.61	9.1	1.4	5.1	5.2	15.2	0.07	0.81	0.26	54	0.15
748	Soil	0.45	16.63	7.05	38.0	16	14.0	5.2	126	1.53	6.5	0.4	1.8	4.6	10.9	0.07	0.59	0.14	26	0.13
749	Soil	0.68	23.11	9.37	43.8	57	18.9	6.5	177	2.22	8.2	1.5	5.9	4.8	23.7	0.05	0.60	0.17	48	0.27
750	Soil	0.69	17.72	8.13	38.1	34	15.9	7.1	201	1.91	6.5	0.7	2.2	4.3	18.1	0.06	0.51	0.15	41	0.21
751	Soil	0.78	30.76	10.62	59.0	87	25.3	8.9	317	2.70	10.5	0.5	4.3	5.1	27.2	0.09	0.82	0.19	52	0.37
752	Soil	0.86	31.75	12.10	60.8	126	27.2	10.4	410	2.78	11.9	1.5	3.2	5.0	30.9	0.11	0.83	0.20	50	0.40
753	Soil	0.82	26.54	10.26	51.9	110	23.2	9.5	417	2.65	9.5	2.1	17.1	5.0	27.1	0.09	0.70	0.19	50	0.37
754	Soil	0.84	15.48	9.20	43.3	81	15.5	6.8	256	1.90	7.9	0.9	1.5	4.0	19.2	0.08	0.56	0.14	37	0.26
755	Soil	0.91	29.72	11.40	55.9	121	23.8	9.4	403	2.64	10.8	1.8	3.0	5.2	29.8	0.11	0.77	0.20	49	0.38
756	Soil	0.67	17.54	7.76	40.9	87	15.9	6.1	183	1.91	7.3	0.7	3.1	4.3	18.9	0.07	0.59	0.13	36	0.24
757	Soil	1.09	21.03	29.42	95.7	177	17.3	8.0	623	2.64	10.7	1.0	6.0	4.7	18.2	0.19	0.55	0.38	48	0.21
758	Soil	0.77	16.95	28.15	65.7	44	15.1	5.9	210	2.02	10.9	0.8	2.0	5.9	13.8	0.14	0.49	0.46	35	0.16
759	Soil	1.18	27.80	54.78	97.4	33	9.4	3.5	125	1.80	10.1	1.6	0.8	11.8	9.7	0.18	0.37	1.23	23	0.10
760	Soil	1.10	11.80	36.28	58.4	44	6.6	2.2	135	1.20	9.1	0.8	1.0	6.7	5.8	0.13	0.25	0.89	17	0.06
761	Soil	0.81	18.50	26.60	59.6	37	13.9	4.5	180	1.82	8.0	1.1	1.6	6.1	13.7	0.08	0.44	0.54	29	0.16
762	Soil	0.80	28.92	10.68	59.5	68	22.8	7.6	227	2.49	10.4	1.2	2.4	5.7	23.0	0.11	0.86	0.22	40	0.28
763	Soil	0.83	29.36	11.01	53.4	88	22.3	7.8	273	2.52	10.1	1.4	1.8	4.9	26.5	0.12	0.73	0.18	47	0.34
764	Soil	0.99	25.49	11.19	54.5	71	19.8	7.8	244	2.60	10.1	1.4	2.0	4.8	26.1	0.10	0.72	0.20	48	0.32
765	Soil	1.03	34.10	13.18	67.1	138	27.0	9.8	340	3.00	12.9	1.3	3.2	5.4	30.9	0.15	0.92	0.23	51	0.39
766	Soil	0.92	33.78	13.38	87.1	142	26.9	9.0	282	2.87	13.7	1.2	2.3	7.6	21.9	0.21	1.05	0.29	39	0.26
767	Soil	0.65	23.89	11.35	53.5	59	15.8	5.8	155	1.80	8.0	1.2	3.7	4.5	17.9	0.18	0.72	0.24	31	0.20
768	Soil	0.86	34.53	14.62	55.1	85	21.7	9.9	275	2.53	11.7	1.1	4.6	6.1	24.6	0.12	0.87	0.29	48	0.25
769	Soil	0.79	36.36	15.29	65.0	73	25.3	10.7	310	2.57	12.6	0.6	16.7	6.1	24.4	0.13	1.03	0.34	43	0.27
770	Soil	0.64	28.09	14.97	77.6	103	20.4	7.8	259	2.27	10.7	0.9	3.8	6.3	16.2	0.32	0.95	0.34	26	0.16
771	Soil	0.35	14.27	9.57	34.6	42	9.3	3.5	74	0.88	5.4	0.5	4.2	5.3	11.0	0.22	0.62	0.19	13	0.13
772	Soil	0.97	33.69	14.03	57.5	45	21.7	10.7	309	2.66	12.7	0.8	3.4	5.3	17.0	0.13	0.84	0.25	54	0.14
773	Soil	0.55	14.00	13.59	37.7	38	11.4	5.6	173	1.38	7.7	1.0	5.7	2.7	12.3	0.14	0.56	0.26	28	0.11
774	Soil	0.18	15.24	6.58	32.4	23	7.3	2.5	62	0.71	3.2	0.5	2.2	3.4	8.2	0.11	0.40	0.17	11	0.09
775	Soil	0.92	23.38	15.70	60.3	144	17.3	10.8	403	2.42	15.5	1.1	3.8	2.3	37.1	0.28	0.95	0.26	33	0.43



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Project: Leota MB
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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
746	Soil	18.8	32.6	0.51	410.5	0.060	1	1.57	0.013	0.05	0.2	4.4	0.07	<0.02	40	0.4	<0.02
747	Soil	18.9	31.9	0.45	289.7	0.063	2	1.72	0.007	0.04	0.2	3.9	0.13	<0.02	29	0.4	0.05
748	Soil	15.0	16.2	0.26	175.0	0.035	<1	0.85	0.005	0.04	0.2	1.8	0.06	<0.02	12	0.1	0.02
749	Soil	15.7	27.4	0.40	284.9	0.072	<1	1.45	0.011	0.05	0.1	3.7	0.07	<0.02	21	0.2	<0.02
750	Soil	14.1	23.2	0.34	246.0	0.060	<1	1.17	0.009	0.04	0.2	2.7	0.05	<0.02	26	0.2	<0.02
751	Soil	15.9	31.3	0.50	375.1	0.068	<1	1.60	0.015	0.05	0.2	4.2	0.08	<0.02	38	0.3	0.04
752	Soil	18.6	29.5	0.47	458.9	0.049	1	1.63	0.016	0.05	0.2	3.9	0.08	<0.02	41	0.2	0.03
753	Soil	18.3	29.6	0.46	461.3	0.048	<1	1.70	0.012	0.05	0.2	4.0	0.08	<0.02	31	0.5	0.02
754	Soil	14.5	22.6	0.34	281.8	0.049	<1	1.19	0.007	0.04	0.2	2.5	0.06	<0.02	18	0.3	0.02
755	Soil	19.1	28.9	0.46	458.9	0.051	<1	1.63	0.012	0.05	0.2	4.0	0.07	<0.02	38	0.5	0.05
756	Soil	14.5	22.1	0.35	296.7	0.041	<1	1.20	0.008	0.04	0.1	2.5	0.05	<0.02	18	0.3	0.03
757	Soil	15.5	24.5	0.47	379.0	0.079	<1	1.53	0.006	0.13	0.2	3.1	0.14	<0.02	21	0.3	0.03
758	Soil	15.9	19.7	0.35	234.2	0.047	<1	1.08	0.006	0.10	0.2	2.3	0.10	<0.02	14	0.4	<0.02
759	Soil	25.8	13.7	0.20	144.3	0.040	<1	0.74	0.003	0.15	<0.1	1.7	0.14	<0.02	12	0.3	<0.02
760	Soil	18.5	10.7	0.13	108.2	0.018	<1	0.55	0.002	0.08	<0.1	1.0	0.06	<0.02	8	0.2	0.03
761	Soil	20.8	20.5	0.34	195.0	0.043	<1	1.02	0.006	0.08	0.1	2.4	0.08	<0.02	22	0.2	0.03
762	Soil	20.7	25.6	0.36	300.8	0.048	<1	1.57	0.006	0.05	0.1	3.4	0.08	<0.02	35	0.2	0.03
763	Soil	18.8	27.1	0.40	394.5	0.058	<1	1.67	0.009	0.05	0.1	3.7	0.07	<0.02	38	0.4	0.02
764	Soil	18.8	27.8	0.40	338.9	0.054	<1	1.69	0.008	0.05	0.1	3.7	0.07	<0.02	33	0.2	0.03
765	Soil	19.8	30.9	0.47	453.4	0.049	1	1.84	0.010	0.06	0.2	4.0	0.09	<0.02	50	0.3	0.03
766	Soil	23.2	26.9	0.44	359.6	0.036	1	1.52	0.006	0.10	0.2	3.3	0.12	<0.02	60	0.3	0.03
767	Soil	20.9	20.6	0.31	262.4	0.043	2	1.03	0.006	0.05	0.1	2.2	0.08	<0.02	32	0.1	0.04
768	Soil	22.2	30.6	0.44	469.8	0.060	1	1.68	0.007	0.05	0.2	4.5	0.08	<0.02	32	0.2	0.02
769	Soil	20.4	29.6	0.40	414.8	0.051	1	1.57	0.006	0.06	0.1	4.3	0.08	<0.02	48	0.2	0.05
770	Soil	27.7	21.4	0.37	246.3	0.026	1	1.10	0.003	0.07	0.2	2.2	0.12	<0.02	46	0.1	0.03
771	Soil	18.3	10.2	0.21	111.7	0.018	1	0.52	0.002	0.04	0.1	1.1	0.07	<0.02	16	<0.1	<0.02
772	Soil	19.7	30.8	0.40	292.0	0.061	2	1.85	0.005	0.05	0.2	3.9	0.09	<0.02	37	0.2	0.03
773	Soil	12.7	16.4	0.24	166.6	0.028	1	0.88	0.003	0.04	0.2	1.7	0.08	<0.02	21	<0.1	<0.02
774	Soil	11.7	8.3	0.19	90.1	0.014	<1	0.50	0.002	0.03	<0.1	0.8	0.07	<0.02	16	<0.1	<0.02
775	Soil	18.8	21.3	0.29	296.7	0.023	2	1.13	0.005	0.05	0.2	2.5	0.08	0.04	65	0.3	<0.02



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	Method	Analyte	Unit	MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	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	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
776	Soil																							
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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
776	Soil	50.2	76.9	1.05	129.1	0.050	1	1.99	0.003	0.24	<0.1	4.4	0.19	<0.02	9	<0.1	0.04
777	Soil	46.5	56.7	0.83	205.4	0.056	1	1.95	0.003	0.33	<0.1	5.2	0.29	<0.02	12	0.2	<0.02
778	Soil	55.0	58.5	1.10	279.0	0.056	<1	2.50	0.002	0.30	<0.1	4.9	0.21	<0.02	<5	0.2	<0.02
779	Soil	20.6	71.9	1.07	261.4	0.073	1	1.80	0.007	0.09	<0.1	6.7	0.09	<0.02	19	0.2	<0.02
780	Soil	15.7	110.9	1.62	205.4	0.123	<1	2.42	0.006	0.09	<0.1	7.2	0.11	<0.02	15	0.2	<0.02
781	Soil	7.0	35.0	1.85	325.0	0.156	<1	2.66	0.015	0.89	<0.1	6.8	0.25	<0.02	10	<0.1	<0.02
782	Soil	15.9	74.8	1.58	329.2	0.125	1	2.61	0.011	0.34	<0.1	7.5	0.17	<0.02	7	0.4	0.02
783	Soil	12.1	70.0	1.29	238.3	0.104	1	2.08	0.007	0.25	0.1	5.5	0.15	<0.02	12	0.2	0.03
784	Soil	27.9	38.0	0.95	272.5	0.132	2	1.78	0.005	0.58	<0.1	3.7	0.30	<0.02	20	0.2	0.03
785	Soil	40.0	54.5	1.21	252.1	0.181	<1	2.09	0.003	0.98	<0.1	5.2	0.50	<0.02	12	0.1	0.02
786	Soil	16.7	34.7	0.60	178.9	0.066	1	1.33	0.006	0.10	0.1	4.3	0.08	<0.02	14	0.2	<0.02
787	Soil	36.7	26.5	0.35	278.4	0.038	<1	1.11	0.004	0.11	0.1	2.6	0.12	<0.02	20	0.2	0.05
788	Soil	14.1	22.9	0.31	337.2	0.039	<1	1.34	0.005	0.04	0.2	2.0	0.09	<0.02	9	0.2	0.03
789	Soil	13.5	21.8	0.31	203.6	0.033	<1	1.20	0.004	0.03	0.1	2.0	0.06	<0.02	9	0.1	0.03
790	Soil	21.8	26.3	0.37	262.1	0.046	<1	1.22	0.006	0.04	0.1	3.3	0.07	<0.02	22	0.2	<0.02
791	Soil	21.4	27.2	0.33	218.7	0.039	<1	1.50	0.004	0.04	0.1	3.1	0.08	<0.02	22	0.2	0.02
792	Soil	18.4	14.2	0.21	152.5	0.025	<1	0.74	0.002	0.03	0.1	2.5	0.04	<0.02	27	0.1	0.03
793	Soil	18.2	17.1	0.23	209.6	0.027	<1	0.84	0.003	0.03	0.1	3.2	0.05	<0.02	37	0.2	<0.02
794	Soil	20.2	20.0	0.29	182.1	0.034	<1	1.13	0.003	0.04	0.1	2.0	0.08	<0.02	13	0.1	<0.02
795	Soil	20.7	27.9	0.39	385.4	0.063	<1	1.60	0.009	0.05	<0.1	3.9	0.08	<0.02	32	0.2	0.04
796	Soil	18.1	31.2	0.38	299.6	0.044	<1	1.82	0.005	0.04	0.1	3.3	0.10	<0.02	20	0.3	<0.02
797	Soil	20.3	31.2	0.40	449.3	0.049	1	1.61	0.008	0.05	0.1	4.0	0.08	<0.02	32	0.2	0.03
798	Soil	18.7	25.1	0.35	336.9	0.044	<1	1.31	0.007	0.05	0.2	3.0	0.07	<0.02	30	0.2	0.04
799	Soil	17.5	13.6	0.21	148.0	0.028	<1	0.70	0.003	0.05	0.1	1.3	0.07	<0.02	13	0.1	<0.02
800	Soil	18.7	18.1	0.25	228.6	0.040	<1	0.88	0.006	0.04	0.1	2.2	0.05	<0.02	18	0.2	<0.02
801	Soil	17.5	24.7	0.31	305.2	0.043	<1	1.31	0.007	0.04	0.1	2.7	0.07	<0.02	26	0.2	0.04
802	Soil	19.2	20.3	0.27	254.6	0.042	<1	0.91	0.007	0.04	0.1	2.4	0.05	<0.02	24	0.3	0.03
803	Soil	17.9	24.0	0.35	315.3	0.045	2	1.31	0.009	0.05	0.2	3.1	0.07	<0.02	27	0.1	0.04
804	Soil	18.1	26.3	0.39	359.6	0.045	1	1.39	0.010	0.05	0.2	3.3	0.07	<0.02	33	0.2	0.04
805	Soil	16.1	24.9	0.38	358.5	0.039	1	1.38	0.010	0.04	0.2	3.4	0.07	<0.02	30	0.3	0.03



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		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
806	Soil	0.73	20.14	9.17	47.8	72	17.2	7.4	252	2.00	7.9	1.0	3.9	4.4	19.3	0.10	0.64	0.17	37	0.25
807	Soil	0.70	16.66	8.86	43.3	45	15.2	5.9	161	1.89	7.0	0.6	4.3	4.3	15.5	0.08	0.59	0.15	34	0.19
808	Soil	0.92	22.51	10.00	56.1	57	21.8	7.4	242	2.40	9.1	0.9	4.1	4.9	20.0	0.09	0.70	0.21	44	0.26
809	Soil	0.89	16.94	9.69	42.6	89	16.9	7.0	214	2.13	7.7	0.7	3.1	3.3	16.7	0.09	0.55	0.18	43	0.18
810	Soil	0.78	102.4	6.10	96.9	20	24.7	10.6	326	4.01	25.5	1.9	1.8	11.2	22.6	0.10	0.22	0.18	76	0.41
811	Soil	0.74	20.05	8.24	39.2	16	17.9	5.6	162	1.87	9.0	1.1	1.7	4.6	8.0	0.06	0.67	0.18	33	0.07
812	Soil	0.75	16.03	9.14	46.3	27	16.4	9.1	400	1.87	7.7	0.5	0.7	4.0	9.5	0.14	0.65	0.18	31	0.08
813	Soil	0.89	28.55	13.06	51.6	37	23.2	7.1	160	2.49	12.0	0.8	3.9	6.1	8.8	0.08	0.92	0.30	44	0.07
814	Soil	0.72	23.31	8.86	45.4	49	19.0	7.7	225	2.07	7.4	0.7	2.8	4.5	15.6	0.06	0.68	0.16	39	0.18
815	Soil	0.81	29.99	10.12	51.6	28	25.1	8.2	338	2.44	11.4	0.7	3.1	4.5	20.3	0.07	0.70	0.18	45	0.21
816	Soil	0.88	29.07	11.17	49.1	27	24.5	9.3	226	2.75	12.1	0.9	3.9	5.4	16.0	0.06	0.86	0.20	52	0.17
817	Soil	1.20	28.90	12.51	55.1	43	24.5	8.4	201	2.92	12.2	0.8	3.3	5.2	11.0	0.05	0.76	0.21	59	0.11
818	Soil	0.78	14.11	8.29	34.4	64	16.8	6.8	120	1.84	8.6	0.3	2.8	3.1	10.4	0.09	0.63	0.18	36	0.08
819	Soil	0.92	30.63	11.31	40.6	29	21.7	6.4	133	2.24	9.5	0.8	3.7	5.9	6.6	0.05	0.92	0.24	41	0.05
820	Soil	1.32	35.44	13.54	50.7	28	24.8	8.9	169	3.00	12.0	0.7	3.8	5.9	11.3	0.05	1.06	0.25	60	0.08
821	Soil	1.01	27.92	12.83	50.1	30	23.9	8.9	181	2.46	9.3	0.6	3.0	5.0	13.1	0.06	0.92	0.21	51	0.11
822	Soil	0.95	30.65	10.99	57.1	49	24.7	9.5	305	2.58	12.3	0.5	4.1	5.4	21.0	0.10	0.96	0.21	44	0.28
823	Soil	0.93	26.48	10.60	50.9	31	22.2	8.6	276	2.56	10.5	0.8	3.7	4.8	18.4	0.07	0.71	0.19	49	0.20
824	Soil	0.85	25.22	10.21	52.3	65	22.3	7.6	238	2.36	9.6	0.6	3.7	4.4	19.9	0.08	0.79	0.19	43	0.27
825	Soil	0.94	26.30	10.64	54.1	71	21.5	7.7	245	2.49	9.8	0.6	3.1	4.5	18.5	0.07	0.79	0.19	46	0.23
826	Soil	1.08	15.92	10.38	52.0	46	17.4	8.2	266	2.36	10.1	0.5	2.0	3.6	10.2	0.13	0.74	0.21	47	0.10
827	Soil	0.45	18.57	7.42	50.6	56	15.3	5.9	176	1.63	5.0	0.8	3.1	4.8	12.8	0.18	0.59	0.16	24	0.15
828	Soil	0.73	13.13	8.49	47.2	44	18.4	6.9	193	2.13	5.6	0.9	1.2	5.2	30.8	0.08	0.47	0.16	34	0.37
829	Soil	0.41	16.35	8.92	49.9	52	19.9	7.0	176	2.28	3.7	1.4	<0.2	9.1	25.6	0.08	0.22	0.19	32	0.30
830	Soil	0.74	15.31	7.91	46.5	92	19.1	9.8	436	2.43	7.0	1.3	2.1	3.4	34.7	0.09	0.37	0.18	36	0.42
831	Soil	0.49	16.80	7.21	48.9	71	24.1	8.3	439	2.19	6.6	3.5	5.3	3.4	41.6	0.12	0.27	0.13	30	0.59
832	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
833	Soil	0.57	20.14	7.26	56.0	32	28.5	10.5	196	2.87	7.7	1.2	1.2	6.4	21.6	0.04	0.34	0.13	45	0.28
834	Soil	0.34	28.95	6.36	82.4	33	42.6	14.2	278	3.57	9.3	0.7	0.4	7.9	20.3	0.06	0.19	0.13	55	0.31
835	Soil	0.42	18.38	7.74	41.4	19	24.4	9.3	164	2.72	6.5	0.6	1.0	6.7	13.8	0.04	0.31	0.14	51	0.19



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

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Northern Dancer**
PO Box 2662
Garibaldi Highlands BC V0N1T0 Canada

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
806	Soil	15.6	23.2	0.35	268.5	0.044	<1	1.21	0.008	0.04	0.2	2.9	0.07	<0.02	28	0.2	0.03
807	Soil	15.0	21.9	0.33	230.1	0.038	<1	1.16	0.006	0.03	0.2	2.4	0.06	<0.02	22	0.2	0.03
808	Soil	12.0	27.3	0.39	276.5	0.055	1	1.49	0.008	0.05	0.2	3.2	0.08	<0.02	16	0.3	0.02
809	Soil	15.5	24.1	0.33	298.1	0.036	1	1.36	0.006	0.04	0.2	2.6	0.07	<0.02	16	0.2	0.03
810	Soil	22.9	69.7	1.42	413.6	0.115	<1	2.26	0.005	0.77	<0.1	7.1	0.17	<0.02	12	0.1	<0.02
811	Soil	14.4	20.7	0.27	170.4	0.026	<1	1.18	0.002	0.04	0.1	3.1	0.06	<0.02	15	0.2	<0.02
812	Soil	10.6	18.7	0.26	162.9	0.020	<1	1.12	0.003	0.06	0.2	1.7	0.09	<0.02	9	0.2	<0.02
813	Soil	20.3	26.9	0.36	171.6	0.045	<1	1.65	0.003	0.06	0.2	4.6	0.09	<0.02	22	0.2	0.06
814	Soil	14.8	23.5	0.36	268.7	0.046	<1	1.23	0.007	0.04	0.1	3.0	0.06	<0.02	24	0.2	<0.02
815	Soil	13.7	26.5	0.44	411.0	0.050	<1	1.39	0.011	0.04	0.2	3.7	0.06	<0.02	50	0.2	0.04
816	Soil	17.3	32.4	0.45	329.6	0.053	<1	1.82	0.005	0.04	0.2	4.8	0.08	<0.02	37	0.2	0.03
817	Soil	17.1	37.5	0.50	315.1	0.045	<1	1.99	0.006	0.04	0.2	5.8	0.10	<0.02	42	0.3	0.03
818	Soil	8.3	18.1	0.19	288.5	0.020	<1	1.31	0.002	0.03	0.1	1.6	0.08	<0.02	21	<0.1	0.03
819	Soil	18.8	25.0	0.27	166.8	0.041	<1	1.54	0.003	0.04	0.2	4.9	0.09	<0.02	51	<0.1	0.03
820	Soil	20.1	33.5	0.38	306.9	0.060	<1	2.05	0.005	0.05	0.1	5.5	0.09	<0.02	62	0.2	0.04
821	Soil	18.5	29.7	0.38	279.6	0.051	<1	1.68	0.004	0.05	0.1	3.8	0.08	<0.02	36	0.3	0.03
822	Soil	16.4	27.9	0.42	348.6	0.048	<1	1.36	0.009	0.04	0.2	3.8	0.07	<0.02	37	0.2	0.04
823	Soil	17.4	27.6	0.40	339.2	0.060	<1	1.57	0.009	0.05	0.2	4.2	0.07	<0.02	34	0.3	0.04
824	Soil	15.0	26.0	0.41	352.4	0.049	<1	1.35	0.010	0.05	0.2	3.4	0.07	<0.02	37	0.2	<0.02
825	Soil	16.3	27.0	0.42	299.4	0.049	<1	1.47	0.008	0.05	0.1	3.7	0.07	<0.02	33	0.2	0.04
826	Soil	13.2	23.2	0.36	200.9	0.047	<1	1.52	0.004	0.04	0.2	2.3	0.10	<0.02	15	0.2	0.03
827	Soil	18.1	16.4	0.30	169.0	0.030	<1	0.90	0.004	0.04	0.1	1.9	0.08	<0.02	32	0.1	<0.02
828	Soil	19.2	26.0	0.43	169.3	0.051	<1	1.22	0.004	0.17	0.2	2.2	0.12	<0.02	25	0.3	0.03
829	Soil	31.6	33.5	0.57	172.0	0.075	<1	1.35	0.003	0.40	0.1	2.7	0.17	<0.02	17	0.2	<0.02
830	Soil	19.8	29.8	0.46	196.9	0.041	<1	1.25	0.004	0.12	0.1	2.4	0.12	0.03	30	0.3	0.02
831	Soil	18.5	31.0	0.47	162.7	0.034	<1	1.18	0.005	0.11	0.2	2.4	0.10	0.05	25	0.5	<0.02
832	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
833	Soil	23.4	40.6	0.68	113.7	0.062	<1	1.61	0.005	0.18	0.1	3.1	0.15	<0.02	18	0.2	<0.02
834	Soil	22.1	61.0	1.13	184.6	0.068	<1	2.10	0.002	0.43	<0.1	3.7	0.20	<0.02	9	0.1	0.03
835	Soil	23.8	40.0	0.85	215.3	0.071	<1	1.64	0.005	0.12	0.1	3.4	0.09	<0.02	9	0.2	<0.02



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Northern Dancer**
PO Box 2662
Garibaldi Highlands BC V0N1T0 Canada

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
836	Soil	0.28	27.23	6.63	49.7	16	28.7	10.6	231	3.30	6.9	1.1	0.8	12.8	19.5	0.03	0.16	0.16	43	0.36
837	Soil	0.79	19.21	10.61	49.3	91	18.9	9.1	293	2.47	9.1	0.6	2.5	4.9	13.2	0.07	0.58	0.20	43	0.17
838	Soil	0.71	21.94	10.10	48.4	65	19.7	6.6	179	1.86	7.0	0.6	4.0	5.9	12.0	0.07	0.69	0.17	27	0.17
839	Soil	0.51	16.53	7.74	39.1	21	14.0	5.3	112	1.50	8.4	0.4	4.5	4.1	10.4	0.09	0.74	0.22	22	0.13
840	Soil	0.90	20.60	10.44	50.9	53	22.0	8.3	216	2.21	11.5	0.4	2.2	4.0	12.5	0.10	0.70	0.24	38	0.13
841	Soil	0.34	13.74	6.88	39.2	31	11.9	4.5	121	1.26	6.7	0.4	2.8	3.9	9.3	0.09	0.52	0.16	15	0.12
842	Soil	1.12	28.14	12.22	68.7	201	26.5	10.1	363	2.61	12.6	0.5	4.1	4.3	45.5	0.18	1.05	0.26	50	1.88
843	Soil	1.09	28.88	12.45	69.4	131	25.9	8.8	303	2.72	14.1	0.7	2.3	4.6	24.3	0.20	0.94	0.24	53	0.32
844	Soil	0.76	13.43	9.12	44.8	81	15.8	6.5	167	1.91	8.8	0.4	1.0	3.6	12.1	0.07	0.60	0.18	35	0.14
845	Soil	0.94	29.33	11.88	53.6	87	25.0	8.2	234	2.46	16.5	0.5	1.6	5.0	14.2	0.07	0.81	0.21	50	0.13
846	Soil	0.69	14.24	9.28	39.7	128	15.0	5.7	157	2.01	12.5	0.4	2.0	3.4	7.4	0.09	0.61	0.19	38	0.06
847	Soil	0.59	11.32	8.07	35.1	51	11.3	4.7	114	1.66	8.3	0.3	1.7	2.8	7.8	0.09	0.54	0.19	29	0.06
848	Soil	1.07	22.23	12.74	52.4	33	18.5	7.8	197	2.40	9.2	1.0	2.1	4.5	12.1	0.10	0.81	0.14	50	0.08
849	Soil	1.13	18.34	9.98	56.1	53	17.4	6.6	176	2.29	9.3	0.7	2.6	3.3	16.3	0.13	0.83	0.22	44	0.15
850	Soil	0.94	22.91	10.82	61.4	72	19.2	7.8	244	2.45	10.0	0.8	2.8	4.5	20.0	0.13	0.82	0.20	42	0.22
851	Soil	0.65	13.52	8.62	41.8	30	12.4	5.3	130	1.64	7.0	0.4	1.4	2.7	10.0	0.15	0.58	0.18	32	0.09
852	Soil	0.73	13.61	8.77	45.4	65	12.9	7.0	239	1.84	7.1	0.4	2.5	2.8	14.1	0.11	0.57	0.17	36	0.15
853	Soil	1.03	15.55	13.06	45.4	83	16.0	6.8	220	2.19	10.1	0.5	1.9	3.4	15.5	0.14	0.65	0.19	46	0.17
854	Soil	0.80	23.60	11.73	52.6	76	19.6	8.7	269	2.38	9.5	0.9	3.4	4.9	21.6	0.10	0.82	0.19	40	0.28
855	Soil	0.65	15.88	8.51	50.0	219	16.1	6.5	241	1.90	6.4	0.6	3.3	3.6	23.0	0.22	0.62	0.18	32	0.27
856	Soil	0.97	24.52	12.03	58.4	147	24.1	12.3	473	2.57	10.5	1.1	3.1	4.3	25.8	0.25	0.78	0.23	41	0.33
857	Soil	0.74	23.70	12.09	54.6	56	21.9	9.8	279	2.58	10.2	1.2	4.8	7.2	21.4	0.16	0.70	0.24	35	0.22
858	Soil	0.53	9.06	7.42	37.8	20	11.0	6.5	146	2.26	16.2	1.0	0.6	13.9	12.9	0.07	0.34	0.17	38	0.15
859	Soil	0.28	8.12	6.24	27.1	11	6.8	4.5	57	2.02	13.0	1.1	0.5	19.7	12.7	0.03	0.18	0.15	26	0.15



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
836	Soil	43.1	47.6	1.02	213.7	0.033	<1	1.85	0.003	0.17	<0.1	5.1	0.09	<0.02	8	0.1	<0.02
837	Soil	14.0	28.0	0.48	283.1	0.041	<1	1.47	0.004	0.08	0.2	2.8	0.08	<0.02	18	0.3	<0.02
838	Soil	19.7	20.8	0.34	200.3	0.030	<1	0.97	0.005	0.05	0.2	2.2	0.07	<0.02	34	0.2	<0.02
839	Soil	10.4	15.1	0.22	157.8	0.017	1	0.79	0.002	0.05	0.2	1.6	0.05	<0.02	15	0.2	0.03
840	Soil	10.4	23.2	0.35	252.1	0.018	<1	1.52	0.003	0.07	0.2	1.9	0.07	<0.02	15	0.3	0.03
841	Soil	11.5	11.2	0.21	109.4	0.013	<1	0.57	0.002	0.04	0.1	1.2	0.05	<0.02	13	0.2	<0.02
842	Soil	17.0	33.1	0.54	426.5	0.047	3	1.68	0.011	0.06	0.2	4.0	0.09	0.02	37	0.4	0.06
843	Soil	14.4	32.3	0.47	340.8	0.035	1	1.76	0.004	0.10	0.2	3.8	0.08	<0.02	24	0.4	0.04
844	Soil	10.7	20.3	0.29	264.0	0.015	1	1.23	0.002	0.04	0.1	1.7	0.07	<0.02	15	0.2	0.03
845	Soil	13.8	29.2	0.39	321.9	0.026	<1	1.80	0.003	0.06	0.1	2.8	0.09	<0.02	13	0.3	0.03
846	Soil	10.2	21.4	0.28	190.2	0.016	<1	1.38	0.002	0.03	0.2	1.6	0.08	<0.02	13	0.2	<0.02
847	Soil	9.3	14.6	0.21	173.9	0.010	<1	0.95	0.002	0.03	0.2	1.1	0.07	<0.02	14	0.1	<0.02
848	Soil	16.0	26.8	0.37	217.4	0.058	<1	1.61	0.007	0.05	0.2	3.2	0.09	<0.02	32	0.3	0.04
849	Soil	13.8	23.6	0.38	296.9	0.033	<1	1.23	0.007	0.04	0.2	2.4	0.07	<0.02	28	0.3	0.03
850	Soil	15.5	25.8	0.44	340.4	0.038	<1	1.28	0.009	0.04	0.2	3.2	0.07	<0.02	39	0.3	<0.02
851	Soil	10.3	17.0	0.26	175.2	0.029	<1	0.96	0.004	0.04	0.1	1.4	0.07	<0.02	11	0.2	<0.02
852	Soil	11.7	19.4	0.29	250.9	0.025	<1	1.06	0.006	0.04	0.1	1.7	0.06	<0.02	12	0.2	0.03
853	Soil	13.0	23.9	0.35	314.6	0.035	<1	1.44	0.006	0.03	0.2	2.3	0.07	<0.02	14	0.3	<0.02
854	Soil	15.9	24.5	0.39	364.7	0.038	<1	1.35	0.009	0.04	0.1	3.1	0.06	<0.02	41	0.3	0.03
855	Soil	12.6	21.4	0.33	347.8	0.037	<1	1.17	0.008	0.05	0.2	2.5	0.05	<0.02	21	0.3	0.02
856	Soil	17.4	27.5	0.41	378.5	0.035	<1	1.44	0.007	0.08	0.2	3.6	0.08	<0.02	55	0.4	0.02
857	Soil	18.6	25.5	0.40	247.6	0.037	<1	1.23	0.005	0.10	0.2	2.9	0.10	<0.02	29	0.3	0.02
858	Soil	28.3	20.5	0.40	237.7	0.042	<1	1.28	0.003	0.20	0.1	2.5	0.07	<0.02	7	0.2	0.03
859	Soil	32.0	15.2	0.40	164.3	0.018	<1	1.09	0.002	0.16	<0.1	2.1	0.05	<0.02	<5	0.2	<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:

Northern Dancer

PO Box 2662

Garibaldi Highlands BC V0N1T0 Canada

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Part 1

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		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
Pulp Duplicates																				
581	Soil	0.84	27.55	10.15	53.7	31	20.8	8.7	296	2.49	9.8	0.6	2.5	3.7	21.1	0.05	0.65	0.13	50	0.26
REP 581	QC	0.85	27.82	10.49	53.0	33	20.3	8.9	303	2.52	9.9	0.6	3.6	3.9	21.5	0.04	0.71	0.15	50	0.26
597	Soil	0.33	10.58	5.46	25.5	24	8.9	4.7	102	0.98	3.6	0.4	45.2	2.6	6.3	0.09	0.35	0.08	17	0.06
REP 597	QC	0.32	10.06	5.44	24.4	11	8.7	4.5	99	0.95	3.4	0.4	1.8	2.8	6.1	0.10	0.33	0.08	17	0.07
614	Soil	0.77	150.2	6.89	121.7	31	57.6	18.0	604	4.90	10.2	0.6	3.6	1.4	14.5	0.10	0.25	0.07	141	0.24
REP 614	QC	0.80	153.5	6.92	124.7	33	58.8	18.1	635	4.98	10.5	0.5	5.4	1.5	14.5	0.11	0.27	0.08	142	0.25
630	Soil	0.38	12.51	5.92	28.4	23	9.5	3.6	67	0.99	4.2	0.3	3.1	3.4	4.3	0.04	0.45	0.10	14	0.03
REP 630	QC	0.41	12.74	5.94	27.2	24	9.5	3.7	68	1.00	4.5	0.3	1.4	3.4	4.3	0.05	0.51	0.10	14	0.04
644	Soil	0.42	12.87	6.40	37.2	40	10.7	3.9	111	1.22	6.5	0.6	3.9	2.6	6.7	0.13	0.59	0.14	17	0.06
REP 644	QC	0.41	12.93	6.12	37.8	37	11.1	3.9	109	1.20	6.3	0.6	1.4	2.7	6.8	0.13	0.59	0.13	17	0.07
656	Soil	0.51	44.93	13.59	99.8	62	33.4	6.9	201	2.85	11.9	1.9	0.5	6.7	7.9	0.26	0.36	0.14	46	0.10
REP 656	QC	0.55	44.52	13.42	98.6	62	34.8	7.0	192	2.94	12.2	1.9	<0.2	6.4	7.6	0.21	0.38	0.12	48	0.10
661	Soil	1.05	69.59	10.95	140.1	43	63.8	15.3	417	4.90	11.6	2.4	3.5	7.2	18.9	0.16	0.42	0.21	95	0.24
REP 661	QC	1.16	73.57	11.03	148.5	41	66.6	15.9	436	4.95	12.3	2.4	3.9	7.1	18.9	0.16	0.50	0.22	96	0.24
684	Soil	0.91	27.84	11.91	47.6	71	19.7	9.4	212	2.76	11.1	1.4	4.1	5.7	14.6	0.06	0.77	0.21	54	0.14
REP 684	QC	0.88	26.65	11.44	44.2	69	20.0	9.1	201	2.60	10.8	1.3	3.5	5.4	14.7	0.05	0.70	0.20	52	0.14
711	Soil	1.38	29.42	73.35	91.1	55	27.0	8.2	214	3.08	22.4	1.2	1.8	7.2	11.4	0.12	0.71	0.60	42	0.10
REP 711	QC	1.23	28.46	70.49	92.3	49	27.1	8.4	206	3.06	22.3	1.2	3.0	7.0	11.0	0.16	0.69	0.58	42	0.10
714	Soil	0.65	28.75	7.07	49.6	11	25.5	7.8	238	2.42	7.4	1.0	4.6	5.5	18.5	0.04	0.55	0.14	45	0.23
REP 714	QC	0.77	30.96	7.17	51.2	16	26.0	8.0	237	2.46	6.9	1.0	3.0	5.5	18.5	0.04	0.57	0.14	45	0.23
747	Soil	1.08	22.97	10.54	57.2	75	20.8	7.6	194	2.61	9.1	1.4	5.1	5.2	15.2	0.07	0.81	0.26	54	0.15
REP 747	QC	1.13	23.13	10.11	57.1	62	20.4	7.7	189	2.60	9.0	1.4	5.1	5.3	15.3	0.08	0.81	0.20	53	0.15
754	Soil	0.84	15.48	9.20	43.3	81	15.5	6.8	256	1.90	7.9	0.9	1.5	4.0	19.2	0.08	0.56	0.14	37	0.26
REP 754	QC	0.89	16.79	9.87	45.6	172	15.9	7.4	270	2.04	8.1	1.0	453.2	4.5	20.7	0.08	0.60	0.17	40	0.27
774	Soil	0.18	15.24	6.58	32.4	23	7.3	2.5	62	0.71	3.2	0.5	2.2	3.4	8.2	0.11	0.40	0.17	11	0.09
REP 774	QC	0.17	15.62	6.77	31.5	44	7.6	2.6	63	0.72	3.2	0.5	32.0	3.2	8.3	0.12	0.40	0.16	12	0.09
788	Soil	0.74	13.48	11.21	41.3	79	14.4	7.0	236	1.91	7.5	0.5	1.0	3.1	13.4	0.10	0.47	0.21	45	0.13
REP 788	QC	0.76	13.81	11.29	43.6	86	14.5	7.3	234	1.93	8.0	0.6	2.9	3.4	14.1	0.10	0.45	0.21	45	0.13



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:

Northern Dancer

PO Box 2662

Garibaldi Highlands BC V0N1T0 Canada

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Part 2

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
Pulp Duplicates																	
581	Soil	14.5	27.5	0.44	384.6	0.047	<1	1.59	0.009	0.04	0.1	3.7	0.06	<0.02	42	0.2	<0.02
REP 581	QC	14.4	28.2	0.44	393.3	0.047	<1	1.60	0.010	0.04	0.1	3.6	0.08	<0.02	39	0.1	0.03
597	Soil	9.2	11.1	0.16	118.9	0.023	<1	0.60	0.003	0.03	<0.1	1.0	0.04	<0.02	11	<0.1	<0.02
REP 597	QC	8.9	10.5	0.16	113.7	0.022	<1	0.58	0.003	0.03	<0.1	1.0	0.04	<0.02	<5	<0.1	<0.02
614	Soil	4.5	112.9	2.08	312.6	0.061	<1	3.01	<0.001	0.01	<0.1	12.3	<0.02	<0.02	18	0.2	0.12
REP 614	QC	4.5	113.3	2.14	315.5	0.062	<1	3.00	<0.001	0.01	<0.1	12.7	<0.02	<0.02	26	0.3	0.06
630	Soil	10.5	9.2	0.12	75.0	0.013	<1	0.56	<0.001	0.02	<0.1	0.9	0.03	<0.02	11	<0.1	<0.02
REP 630	QC	11.0	9.4	0.12	75.6	0.014	<1	0.58	<0.001	0.02	<0.1	0.9	0.03	<0.02	9	0.1	<0.02
644	Soil	10.0	10.4	0.19	111.7	0.020	<1	0.63	<0.001	0.03	0.1	1.2	0.04	<0.02	12	0.4	<0.02
REP 644	QC	10.0	10.6	0.19	109.1	0.020	<1	0.61	0.001	0.03	0.1	1.1	0.04	<0.02	16	0.4	<0.02
656	Soil	22.3	36.5	0.61	217.1	0.063	<1	1.55	<0.001	0.23	<0.1	3.6	0.40	<0.02	18	0.3	0.05
REP 656	QC	22.5	37.9	0.63	215.1	0.070	2	1.60	<0.001	0.24	<0.1	3.6	0.40	<0.02	<5	0.2	0.06
661	Soil	27.0	103.5	1.37	587.6	0.083	<1	2.78	0.003	0.11	<0.1	9.7	0.21	<0.02	36	0.2	0.05
REP 661	QC	27.4	105.9	1.42	579.6	0.098	2	2.79	0.003	0.11	<0.1	9.8	0.22	<0.02	36	0.2	0.04
684	Soil	18.8	33.4	0.40	332.7	0.050	<1	1.77	0.004	0.04	0.1	4.7	0.09	<0.02	35	0.2	0.04
REP 684	QC	18.1	30.5	0.41	321.5	0.049	<1	1.66	0.004	0.04	0.1	4.5	0.08	<0.02	31	0.2	<0.02
711	Soil	16.8	30.1	0.42	300.1	0.036	1	1.78	0.001	0.07	0.2	2.8	0.13	<0.02	28	0.4	0.05
REP 711	QC	16.1	29.1	0.39	286.8	0.036	2	1.81	0.002	0.07	0.2	2.7	0.14	<0.02	27	0.5	0.12
714	Soil	18.1	30.3	0.61	189.7	0.049	<1	1.42	0.009	0.05	0.1	3.6	0.06	<0.02	29	0.3	<0.02
REP 714	QC	18.9	31.2	0.60	196.8	0.052	1	1.44	0.009	0.05	0.2	3.6	0.07	<0.02	37	0.2	0.03
747	Soil	18.9	31.9	0.45	289.7	0.063	2	1.72	0.007	0.04	0.2	3.9	0.13	<0.02	29	0.4	0.05
REP 747	QC	18.6	30.1	0.45	282.2	0.062	1	1.70	0.007	0.04	0.2	3.7	0.11	<0.02	32	0.4	0.04
754	Soil	14.5	22.6	0.34	281.8	0.049	<1	1.19	0.007	0.04	0.2	2.5	0.06	<0.02	18	0.3	0.02
REP 754	QC	15.5	23.6	0.37	312.1	0.052	1	1.26	0.008	0.04	0.2	2.6	0.07	<0.02	24	0.2	0.03
774	Soil	11.7	8.3	0.19	90.1	0.014	<1	0.50	0.002	0.03	<0.1	0.8	0.07	<0.02	16	<0.1	<0.02
REP 774	QC	12.3	8.5	0.19	89.3	0.015	<1	0.52	0.002	0.04	<0.1	0.7	0.08	<0.02	13	<0.1	0.02
788	Soil	14.1	22.9	0.31	337.2	0.039	<1	1.34	0.005	0.04	0.2	2.0	0.09	<0.02	9	0.2	0.03
REP 788	QC	14.7	23.5	0.32	347.6	0.043	<1	1.35	0.005	0.04	0.2	2.1	0.09	<0.02	13	0.2	<0.02



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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

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Client:

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PO Box 2662

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Part 1

QUALITY CONTROL REPORT

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		1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1	1F30 Fe % 0.01	1F30 As ppm 0.1	1F30 U ppm 0.1	1F30 Au ppb 0.2	1F30 Th ppm 0.1	1F30 Sr ppm 0.5	1F30 Cd ppm 0.01	1F30 Sb ppm 0.02	1F30 Bi ppm 0.02	1F30 V ppm 2	1F30 Ca % 0.01	1F30 P % 0.001
819	Soil	0.92	30.63	11.31	40.6	29	21.7	6.4	133	2.24	9.5	0.8	3.7	5.9	6.6	0.05	0.92	0.24	41	0.05	0.013
REP 819	QC	0.91	30.82	11.02	40.8	23	21.4	6.6	133	2.24	9.4	0.8	4.3	6.0	6.8	0.07	0.93	0.23	42	0.04	0.012
837	Soil	0.79	19.21	10.61	49.3	91	18.9	9.1	293	2.47	9.1	0.6	2.5	4.9	13.2	0.07	0.58	0.20	43	0.17	0.029
REP 837	QC	0.77	19.23	10.75	50.7	98	19.9	9.4	301	2.50	9.5	0.6	1.6	5.0	13.0	0.08	0.57	0.20	43	0.17	0.030
848	Soil	1.07	22.23	12.74	52.4	33	18.5	7.8	197	2.40	9.2	1.0	2.1	4.5	12.1	0.10	0.81	0.14	50	0.08	0.019
REP 848	QC	1.10	22.39	11.67	52.1	38	18.4	7.8	203	2.44	9.4	1.0	1.2	4.4	12.3	0.08	0.81	0.11	51	0.08	0.020
849	Soil	1.13	18.34	9.98	56.1	53	17.4	6.6	176	2.29	9.3	0.7	2.6	3.3	16.3	0.13	0.83	0.22	44	0.15	0.031
REP 849	QC	1.13	18.78	9.91	57.3	55	16.9	6.7	171	2.30	9.7	0.7	4.4	3.1	16.5	0.16	0.81	0.20	44	0.15	0.030
Reference Materials																					
STD DS8	Standard	12.03	106.3	120.2	303.6	1708	36.4	7.3	597	2.43	24.3	2.5	109.7	5.9	57.6	2.29	4.85	5.67	39	0.66	0.077
STD DS8	Standard	14.60	121.0	136.9	345.4	1927	42.5	8.4	692	2.82	26.5	3.2	123.0	7.5	71.9	2.47	5.87	7.03	47	0.80	0.091
STD DS8	Standard	13.23	106.1	125.1	313.8	1745	37.5	7.5	636	2.49	25.2	2.7	121.4	6.8	69.2	2.26	5.30	5.76	41	0.75	0.080
STD DS8	Standard	13.29	108.3	122.2	312.7	1791	40.0	7.7	617	2.54	24.2	2.7	116.0	7.0	64.9	2.15	5.33	6.37	41	0.72	0.082
STD DS8	Standard	11.89	107.2	127.0	317.5	1854	37.0	7.1	598	2.46	25.0	2.6	116.2	6.0	64.0	2.27	5.26	6.46	40	0.67	0.078
STD DS8	Standard	13.26	110.5	126.5	312.4	1764	39.1	8.1	615	2.49	26.8	2.6	115.0	6.5	65.7	2.55	6.00	7.20	41	0.72	0.089
STD DS8	Standard	12.28	108.3	126.5	316.2	1936	36.5	7.3	621	2.51	26.1	2.7	115.3	6.4	63.7	2.48	5.44	6.38	42	0.70	0.091
STD DS8	Standard	12.03	115.2	120.0	308.6	1695	34.6	7.8	574	2.49	26.8	3.0	100.7	7.3	63.0	2.57	5.83	7.60	42	0.71	0.086
STD DS8	Standard	12.16	105.9	121.0	309.6	1767	35.6	7.0	607	2.46	24.7	2.6	106.4	6.7	62.9	2.22	5.33	6.31	41	0.69	0.081
STD DS8	Standard	13.63	121.2	127.1	320.8	1827	41.2	8.2	625	2.61	24.4	2.9	112.9	7.1	64.0	2.28	5.47	6.69	44	0.74	0.078
STD DS8 Expected		13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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:

Northern Dancer

PO Box 2662

Garibaldi Highlands BC V0N1T0 Canada

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Part 2

QUALITY CONTROL REPORT

DAW11000438.1

		1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Ti ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1
819	Soil	18.8	25.0	0.27	166.8	0.041	<1	1.54	0.003	0.04	0.2	4.9	0.09	<0.02	51	<0.1	0.03	4.2
REP 819	QC	19.2	24.5	0.27	166.0	0.043	<1	1.56	0.003	0.04	0.2	4.8	0.10	<0.02	45	0.2	0.04	4.4
837	Soil	14.0	28.0	0.48	283.1	0.041	<1	1.47	0.004	0.08	0.2	2.8	0.08	<0.02	18	0.3	<0.02	4.4
REP 837	QC	14.2	28.9	0.48	279.0	0.042	<1	1.47	0.004	0.08	0.2	2.9	0.08	<0.02	13	0.2	0.02	4.4
848	Soil	16.0	26.8	0.37	217.4	0.058	<1	1.61	0.007	0.05	0.2	3.2	0.09	<0.02	32	0.3	0.04	4.6
REP 848	QC	15.6	28.0	0.37	210.0	0.060	<1	1.65	0.006	0.05	0.2	3.2	0.08	<0.02	22	0.5	<0.02	4.6
849	Soil	13.8	23.6	0.38	296.9	0.033	<1	1.23	0.007	0.04	0.2	2.4	0.07	<0.02	28	0.3	0.03	3.6
REP 849	QC	13.6	23.8	0.38	292.8	0.032	<1	1.23	0.007	0.04	0.2	2.3	0.07	<0.02	19	0.3	0.02	3.8
Reference Materials																		
STD DS8	Standard	12.6	117.6	0.61	259.1	0.100	3	0.92	0.084	0.41	2.7	2.1	5.40	0.16	188	5.1	4.83	4.5
STD DS8	Standard	17.2	135.7	0.70	308.4	0.127	3	1.06	0.103	0.47	3.6	2.5	6.17	0.18	226	6.1	5.70	5.4
STD DS8	Standard	16.4	121.7	0.62	283.7	0.118	2	0.99	0.103	0.43	2.9	2.6	5.38	0.17	213	5.4	4.85	4.6
STD DS8	Standard	16.0	125.7	0.63	266.0	0.115	3	0.94	0.091	0.41	2.9	2.5	5.45	0.16	206	5.2	5.16	4.9
STD DS8	Standard	12.7	119.2	0.60	247.3	0.104	2	0.88	0.078	0.40	3.1	1.9	5.55	0.16	225	5.2	4.94	4.5
STD DS8	Standard	14.0	120.7	0.63	267.3	0.123	2	0.94	0.083	0.42	2.9	2.3	5.64	0.17	222	5.2	5.05	4.6
STD DS8	Standard	14.5	120.9	0.63	271.0	0.100	2	0.90	0.081	0.41	2.9	2.1	5.57	0.17	201	5.2	4.99	4.5
STD DS8	Standard	17.3	112.3	0.63	310.5	0.108	3	0.94	0.087	0.40	2.9	2.3	5.20	0.17	180	4.7	4.64	4.4
STD DS8	Standard	14.7	118.1	0.60	281.8	0.108	2	0.88	0.080	0.39	3.0	2.2	5.32	0.16	194	5.2	4.85	4.6
STD DS8	Standard	15.0	125.9	0.65	270.7	0.124	3	1.00	0.093	0.44	3.1	2.3	5.51	0.17	218	4.7	5.12	4.6
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1



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Client:

Northern Dancer

PO Box 2662

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Part 1

QUALITY CONTROL REPORT

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



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Part 2

QUALITY CONTROL REPORT

DAW11000438.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
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