GEOCHEMICAL REPORT ON THE NSLY CLAIMS, YUKON TERRITORY, CANADA

Claim Names & Grant Numbers: NSLY 23 to NSLY 24, NSLY 25 & NSLY 26

YD92378, YD92379, YD92380 & YD92381

NTS Map Sheet 115 0 13, 115 O 14

Latitude N63º 52' 14.3", Longitude W139º 30' 18.1"

UTM Coordinates 573550E, 7083350N, Zone 7, NAD83

Dawson Mining District

Registered owners: Sylvain Montreuil, Mark Pocklington and Ross Weitzel

Work performed: September 30 - October 11, 2011

for

Goldbank Mining Corp.

by

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

Date: May 26, 2012

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1. INTRODUCTION

The NSLY 23 to 26 claims are situated approximately 21 air kilometers southt of Dawson City, Yukon Territory. The claims are part of the NSLY Claim Block consisting of 14 contiguous, un-surveyed, Quartz mining claims covering an area of about 290 hectares. The property owners S. Montreuil (33.34 %), M. Pocklington (33.33 %) and R. Weitzel (33.33 %) optioned the claims in 2010 to Goldbank Mining Corporation (Goldbank) of Vancouver and since the option agreement Goldbank acquired a 75 % interest in the NSLY property.

A soil and rock geochemistry program was carried out on the NSLY 23 to 26 claims during the period September 30 – October 11, 2011 with the objectives to detect precious and base metal anomalies in the soil overlying the Nasina Assemblage and Sulphur Creek Suite. The writer of this report designed the grid and supervised the survey. A total of 201 soil samples and three rock samples were collected. The samples were prepared and analysed at the Acme Analytical Laboratories Ltd. in Dawson City and Vancouver.

The 2011 soil geochemistry survey detected several isolated gold anomalies within the survey grid. Some anomalies are located at the interface between chromium – nickel – magnesium - iron highs and lows, respectively, which appears to coincide with the contact between Nasina Assemblage and the Sulphur Creek Suite. Silver, arsenic, copper and zinc also tend to form anomalies at this interface, which extends east and west from the grid area. Based on the soil survey results, the Nasina Assemblage includes a substantial proportion of mafic/ultramafic rocks, which contact the Sulphur Creek Suite about 200 – 300 meters south of the line plotted on the geological map.

Detected gold anomalies are recommended for further testing. Fill-in soil survey lines should be run next to anomalies between the existing lines and depending on the results trenching would be recommended to test the gold mineralization in the bedrock. Although, the “ophiolite” model may be applicable to the NSLY claims area, more exploration and research are needed to judge its applicability.

1.1. Location, Access and Topography

The NSLY 23 to 26 claims (further NSLY claims) are situated about 21 air kilometers south to southwest of Dawson City, Yukon Territory. Access to NSLY claims from Dawson City is by paved and all-weather dirt roads running along Bonanza Creek to Grand Forks and farther south along Eldorado Creek for about two kilometers to the confluence with French Creek where a dirt road branches off to the west and passes through the NSLY claim block. Topography on the NSLY claims is gently rolling with the altitudes ranging from about 850 meters above sea level at the southeastern corner of the grid to about 1100 meters above sea level in the northeastern corner of the grid.

1.2. The Claims

Table 1: NSLY claims information

Grant #	Claim Name	Claim Owners	Expiry Date
YD92378	NSLY 23	S. Montreuil*, M. Pocklington**, R. Weitzel**	October 04, 2013
YD92379	NSLY 24	S. Montreuil*, M. Pocklington**, R. Weitzel**	October 04, 2013
YD92380	NSLY 25	S. Montreuil*, M. Pocklington**, R. Weitzel**	October 04, 2013
YD92381	NSLY 26	S. Montreuil*, M. Pocklington**, R. Weitzel**	October 04, 2013

Note: * - 33.34%, ** - 33.33 %.

1.3. Terms of Reference

This report summarizes the results of a soil sampling program that was conducted on selected NSLY claims in September - October 2011. The objective was to detect precious and/or base metal anomalies in the soil overlying Nasina Assemblage and Sulphur Creek Suite and their contacts. For parts of this report the writer has relied on the assessment and open file reports of the Yukon Exploration and Geological Services Division, on various geo-scientific publications and on 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 References 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 website and relate to the status as of May 26, 2012. The 2011 Exploration Expenses chapter was prepared by Goldbank Mining Corp.

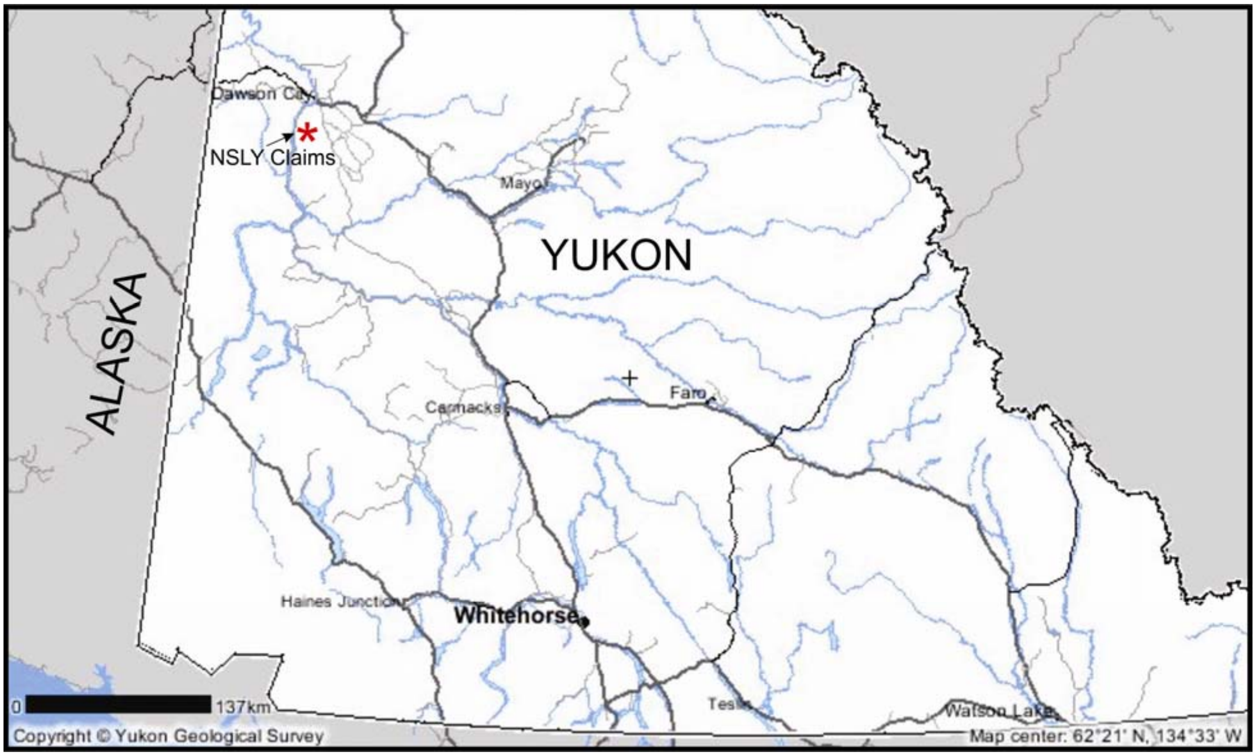


Fig. 1: Location of NSLY claims

2. PREVIOUS EXPLORATION

The early prospectors and geologists focused mainly on the nearby Bonanza and Eldorado Creeks and the lode gold sources in their surroundings. 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.

In 2003 a geological map of the entire Yukon authored by Gordey and Makepeace was released and in 2005 Gordey and Ryan authored a geological map at scale 1:250,000 for the Stewart River region that has been compiled on the basis of mapping conducted by themselves, Mortensen and others. Geological maps published in the geo-scientific papers by MacKenzie et al (2007, 2008 are based on Mortensen's geological map (1996).

Ash (2006) mapped the area underlying the placer-rich portion of the Klondike Goldfields, including Lone Star and White occurrences (Ash, 2006; Ash and Doherty, 2005). Ash noted ophiolitic rocks that form erosional remnants (klippen) on the high ground and concluded gold mineralization was consistently localized at the contact between hanging wall ophiolitic rocks and footwall plutonic rocks. Work on the Leota property further strengthened Ash's belief that the lode gold mineralization in the Klondike region is structurally and lithologically controlled and 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 comprised of serpentinite, harzburgite and their altered, carbonatized and steatitized derivatives (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 placer gold deposits (Lowey, 2005).

4. LOCAL GEOLOGY AND MINERAL OCCURRENCES

Based on Mortensen (1996) and Gordey & Makepeace (2003) work the NSLY claims are underlain by Nasina Assemblages and Sulphur Creek Suite. The Nasina Assemblage (DMN2 is made up of dark grey to black, fine grained graphitic and non-graphitic quartzite, grey micaceous quartzite and quartz muscovite (+/-chlorite; +/- feldspar augen) schist, locally garnetiferous; minor graphitic stretched metaconglomerate and metagrit. The Sulphur Creek Suite (PqS) is represented by moderately to strongly foliated biotite quartz monzonite gneiss

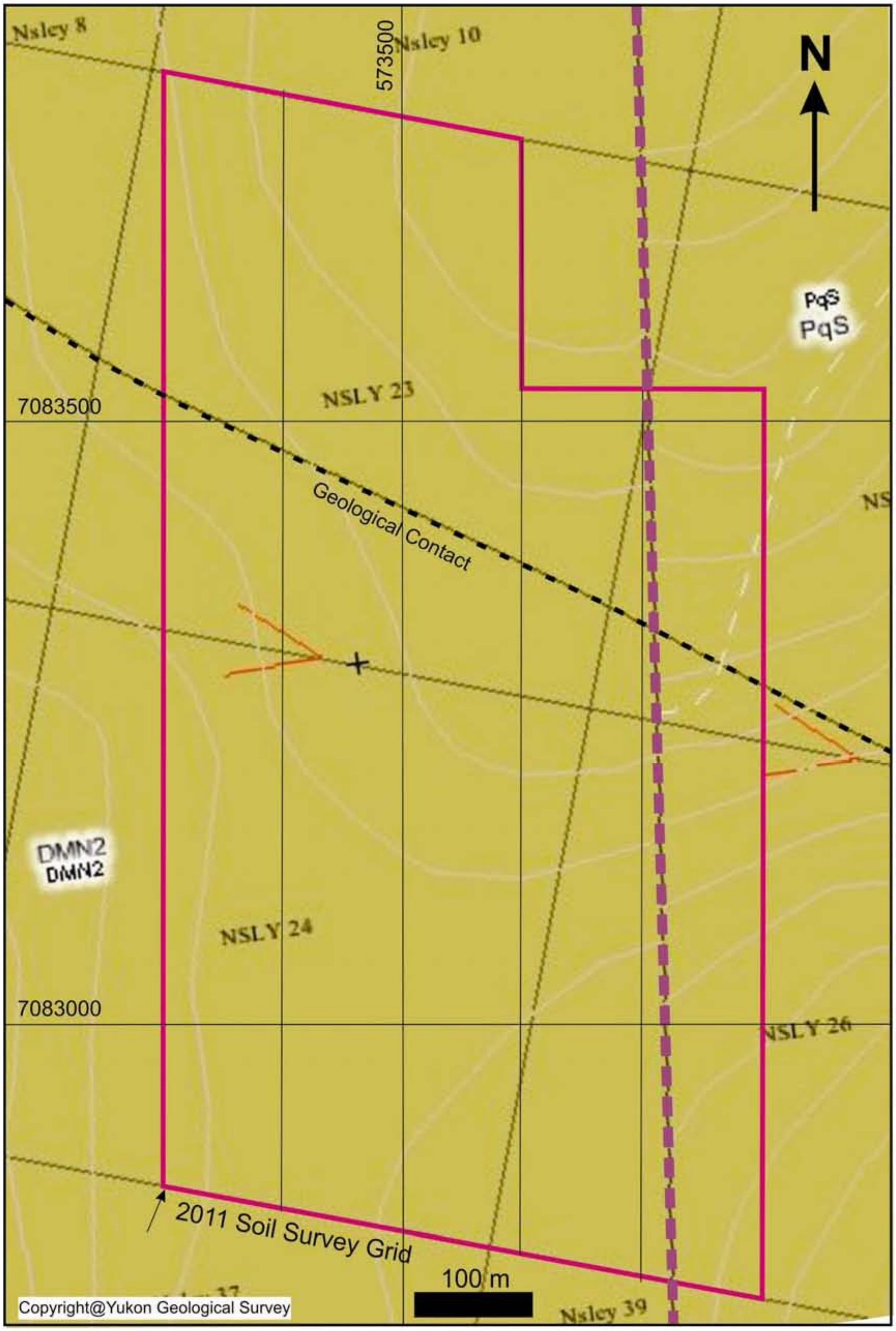


Fig. 2: 2011 soil survey grid: DMN2–Nasina Assemblage, PqS–Sulphur Creek Suite

(the Sulphur Creek Orthogneiss) and coarse grained, homogeneous, hornblende-biotite-bearing granite, granodiorite and quartz-monzonite with narrow foliated and mylonitic zones of the Ram Stock (Sulphur Creek Orthogneiss, Ram Stock).

Debicki (1984) includes the NSLY claims area at the western margin of the map 115 O 14. The area is underlain by various facies of quartzo-feldspathic schistose rocks of Triassic or older age. Debicki (1984) further reports on the occurrences named Jen, Violet, Cullen, Buckland, Eldorado Dome, Hilchey and Bold Eagle mineral, which are referred to by Gleeson (1970) and MacLean (1914). Situated about 12 kilometers east of the NSLY claims, these occurrences represent quartz and/or quartz-barite or quartz-carbonate veins and veinlets with various amounts of pyrite, galena and chalcopyrite, hosted by various Klondike Schist facies. The gold values range from 0.7 g/t to 63 g/t and silver ranges from 0.9 g/t to 21.6 g/t (Debicki, 1984).

Minfile reports the mineral occurrences named Monte Carlo, Pickering, Lone Star, Violet, Hilchey, Buckland, Bald Eagle, Gleeson, Oro Fino, Cullen, Gonzales, Parnell, Robin Egg, Roach and Amanda. They are also part of Mortensen's report (1996). Most of these occurrences are situated within the Bonanza and Eldorado Creek drainage systems, about 10 to 15 km east and/or northeast of the NSLY claim block, but Gleason is the nearest, situated about 3 kilometers southwest of the NSLY claim block.

The Monte Carlo (115 O 045) occurrence contains gold that was reportedly probably derived from the reworked glacial till in the river valley. At Pickering occurrence (115 O 046), an adit is driven into a quartz vein, which according to MacLean (1912) returned assays ranging from traces to 0.68 g/t gold in 5 channel samples.

The Lone Star property (115 O 072) encompasses the Boulder Lode occurrence, which produced 6,940 tonnes grading 5 g/t gold from underground workings in the early 1900s and also a large, low-grade, possibly syngenetic deposit containing estimated reserves of 907,200 tonnes grading 2.4 g/t gold. Workings at the Boulder Lode include a small open pit, as well as extensive underground workings. The property is underlain by Klondike Schist of Permian age and by mafic to acidic, porphyric intrusives. These host rocks are cut by two sets of discordant quartz and pyrite-quartz veins and stringers, the dominant one dipping at shallow angles northeast and a subordinate one striking north. Quartz also occurs in conformable (foliaform) lenses, which are non-mineralized. The largest vein in the Boulder Lode strikes 120 º and dips 40 northeast. Visible gold occurs along the vein margins and in narrow pyrite veinlets. Muscovite schist alongside the vein is silicified. A second parallel vein 4.6 meters west of the main vein was chip sampled in 1990 and assayed 51.4 g/t gold across 0.3 meters. Old records from the Lone Star indicate that gold is erratically distributed and that the true grade is very difficult to determine.

The Violet occurrence (115 O 073) represents quartz – barite veins hosted by Klondike Schist at the contact with a mafic dyke. Minor pyrite, galena and chalcopyrite occur in small pockets along the vein, which is from 1.2 to 2.0 meters wide and strikes east – west and dips 80 º south. Visible gold was reported in the limonitic boxwork after pyrite in the underground workings and trenches.

At Hilchey (115 O 076), southwest dipping shears with associated quartz veins with pyrite and galena occur in strongly folded schist at the contact with carbonaceous phyllite. Drill holes by Arbor intersected narrow veinlets that returned up to 4.4 g/t gold and drill hole 90R 47 intersected a 9.1 meter wide zone that assayed 1.1 g/t gold.

The Buckland showing (115 O 077) represents a series of gold-bearing quartz veins cutting the strongly deformed Klondike Schist. The veins contain pyrite, galena and visible gold. One of the veins is associated with the "Buckland Shear Zone", a 10 – 20 meters wide zone 1.4 kilometers along strike. Trenches and drill holes intersected this zone and the assays returned 1.9 g/t Au over 12.5 meters, 6.5 g/t Au over 4.5 meters and 3.57 g/t Au over 16.8 meters. The zone associates with a magnetic low that projects itself 7 kilometers northwest into Eldorado Creek. Previous trenching exposed a 900 meters long vein, from which the assays ranged from 36 g/t to 46.6 g/t Au over an average width 0.5 meters. Arbor drilled an IP anomaly in 1987 and intersected 2.8 g/t Au over 3.0 meters. Placer mining at Pup 27 uncovered pyritic stringers with visible gold that assayed 1714 to 4457 g/t gold.

The Bold Eagle occurrence (115 O 090) contains a shaft into a quartz vein at least 2.4 meters wide, hosted by Klondike Schist. The assays from a 3 meters wide vein on the Little Skookum Gulch reportedly returned up to 68.6 g/t platinum. In 1983 an IP conductor was detected 1.2 km long, which was drill-tested and the drill holes intersected a narrow graphitic band in chlorite-quartz-sericite schist with disseminated pyrite. A 1 meter chip sample taken across the schist and the band yielded 0.68 g/t gold.

The Gleeson occurrence (115 O 095) represents traces of scheelite in a panning sample believed to be derived from skarns developed in Nasina Assemblage marbles along the contact of the Early Cretaceous Jim Creek Stock.

The Oro Fine showing (115 O 128) is underlain by Klondike Schist with carbonaceous phyllite bands. An adit was driven in 1916 into a stringer of quartz vein associated with shears and graphite bands and traces of pyrite. Locally up to 15 % sulphides (galena, arsenopyrite, pyrite) were found to form “knots”. Coincident IP/EM anomalies were tested by trenching in 1987, but the precious metal contents were found to be low.

The Cullen occurrence (115 O 131) is underlain by Klondike Schist, which is intruded by dykes of porphyry. Vein quartz is abundant and crosscutting stringers that locally contain traces of pyrite, chalcopyrite, bornite, malachite and azurite. MacLean (1912) reported assays from the dumps of two shafts 5 and 17 m deep, respectively, with values from 0.5 to 2.1 g/t gold.

The country rocks at the Gonzales occurrence (115 O 141) include Klondike Schist, the bands of carbonaceous – quartz – muscovite schist and the monzonite intrusives. A discordant quartz vein 1.5 to 2 meters wide trending 130 º reportedly contained traces of pyrite, ferrous carbonate, albite, rutile and flakes of gold in limonitic boxwork. A coincident IP and resistivity anomalies were detected in 1990. In 1984 the drillings intersected the schist with carbonaceous bands associated with pyrite and traces of sphalerite, galena and chalcopyrite. Pb-dating made on a galena sample yielded Permian age.

Situated about 2 kilometers southeast of Lone Star, the Parnell showing (115 O 147) represents a series of crosscutting quartz veins with disseminated pyrite. No assays are reported.

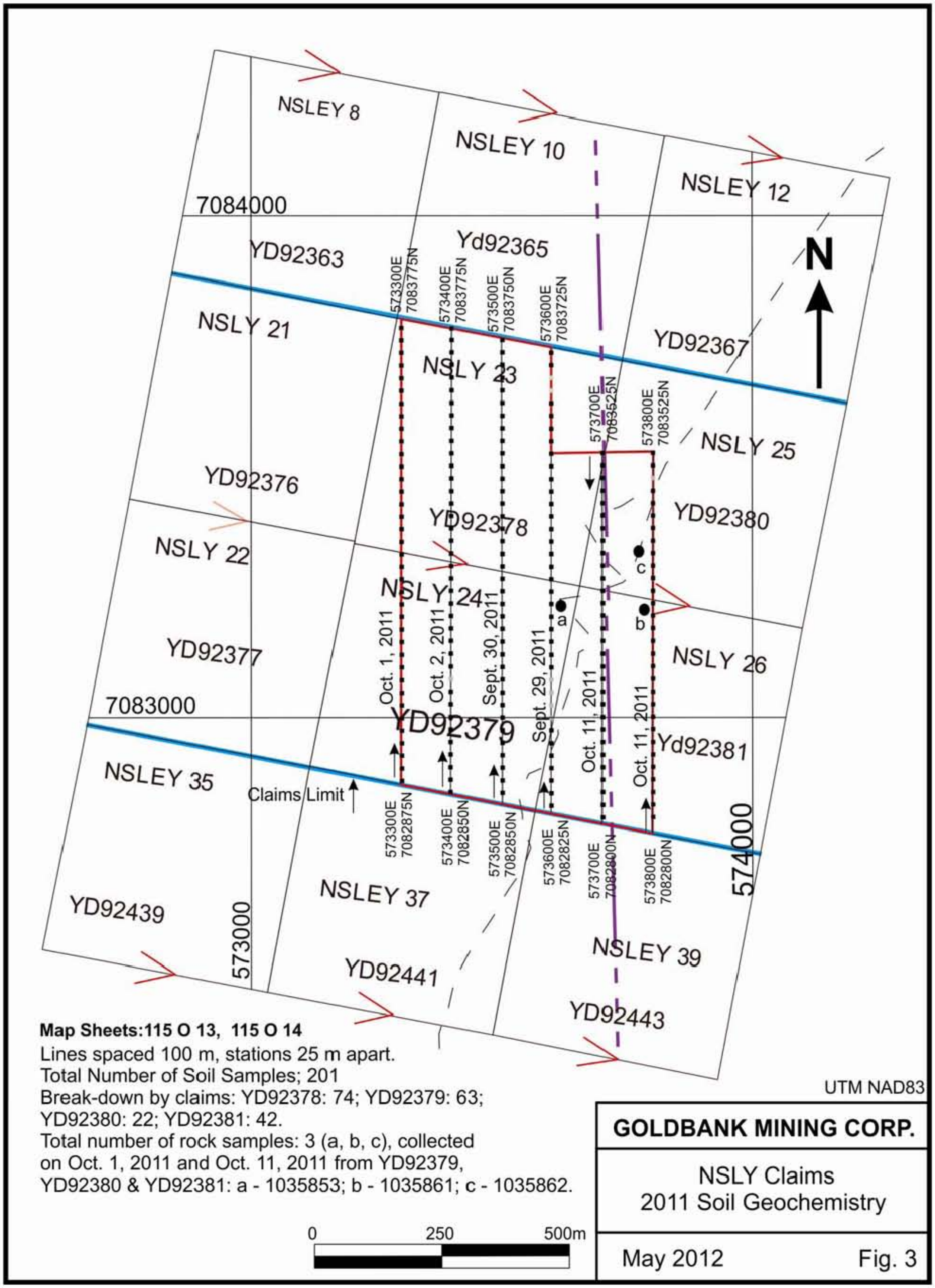
The Robin Egg occurrence (115 O 148) is underlain by Klondike Schist, which is crosscut by the quartz veins. The foliaform quartz veins are also present. The assays reported by historical newspaper and MacLean (1912) returned 0.05 to 5.13 g/t gold. A 5 meters deep shaft was sunk into a quartz vein 2.4 meters wide, dipping east, but no assays are reported. In 1987 Arbor drilled 1.5 meters @ 5.83 g/t gold. In 1989 a stockwork of narrow veins with pyrite was exposed east of Eldorado Creek at the mouth of Pup 27. A pyrite lens 3 meters long by 5 cm wide assayed 1714 g/t gold. Arbor further reported 3.3 g/t gold over 3 meters from a hole drilled in 1990. Mortensen reported a coarse scheelite and barite sample from colluvial deposits on Oro Grande Gulch.

The Roach showing (115 O 149) represents a 0.6 meters wide quartz vein striking northwest and dipping 45º (?) northeast. The vein crosscuts the folded schistose host-rock. The schist is intruded by a 30 – 40 cm wide porphyry dyke, but reportedly, it is not related to parallel quartz veins. A 27 kg sample from a 21 meters deep shaft sunk into the vein in the bed of Eldorado Creek returned 168.8 g/t gold. The vein may extend southeast into the Chief Gulch.

The Amanda showing (115 O 151) contains a large “quartz mass” with traces of pyrite, which occurs in the Klondike Schist. The body is reportedly at least 20 meters in diameter, but no further data is available.

5. 2011 GEOCHEMISTRY SURVEY

The soil sampling program on the NSLY claims was carried out intermittently from September 30 to October 11, 2011 (Figs. 1 to 3). The sampling grid was made up of lines spaced 100 meters and stations 25 meters apart. The objective was to detect precious and/or base metal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573400E 7082850N
573500E 7082850N
573600E 7082825N
573700E 7082800N
573800E 7082800N
Oct. 1, 2011
Oct. 2, 2011
Sept. 30, 2011
Sept. 29, 2011
Oct. 11, 2011
Oct. 11, 2011
a
b
c
Map Sheets:115 O 13, 115 O 14
Lines spaced 100 m, stations 25 m apart.
Total Number of Soil Samples; 201
Break-down by claims: YD92378: 74; YD92379: 63;
YD92380: 22; YD92381: 42.
Total number of rock samples: 3 (a, b, c), collected
on Oct. 1, 2011 and Oct. 11, 2011 from YD92379,
YD92380 & YD92381: a - 1035853; b - 1035861; c - 1035862.
0
250
500m
UTM NAD83
GOLDBANK MINING CORP.
NSLY Claims
2011 Soil Geochemistry
May 2012
Fig. 3

anomalies in the soil overlying the Nasina Assemblage (DMN2) and Sulphur Creek Suite (PqS) and their contacts (Fig. 2). The samples were collected from “C” soil horizon using a Dutch auger. The samples were placed in pre-numbered Kraft paper bags, closed and sealed with flagging tape. Each station was flagged and a GPS unit was used to locate stations and record coordinates. In total, 201 soil samples and three rock samples were collected. The writer kept samples in a safe place during the survey and personally dispatched the samples to Acme Analytical Laboratories Ltd. (AcmeLabs) facility in Dawson City for preparation. The analysis proper was conducted at AcmeLabs in Vancouver. The geological situation and the soil geochemistry grid at the NSLY claims are shown in Figs. 2 and 3. Whereas the NSLY soil geochemistry grid is laid over two distinct rock units, we treated the soil assay results separately for both and the statistics results and the graphs are presented below. The rock assay graphs follow the soil results.

6. SAMPLE PREPARATION AND ANALYSIS

AcmeLabs conducted the sample preparation and analyses in accordance with generally accepted analytical laboratory principles and practices. The samples were prepared by drying at 60º C and sieving 100g to -80 mesh (code SS80). The rock samples (1 kg) were crushed, split and pulverized to 200 mesh (code R200-1000) and the analyses were performed on 30 g pulps using Aqua Regia digestion and Ultratrace ICP-MS analysis (codes 1F03, 1F06) for 37 and/or 53 elements, respectively.

The soil assays for selected elements were divided into two groups, one representing the Sulphur Creek Suite and the other representing the Nasina Assemblage and the statistics and correlations were made for each group separately. The statistics and correlations were made using the Systat 13 program and the results are listed in the Tables 2 to 9 below. The histograms were prepared using the Excel program and are displayed in Figs. 10 to 12. The contouring and 3D surface mapping was made using the Surfer program of Golden Software Inc. and is illustrated by Figs. 4 to 9. The rock samples are described below and the assays are presented in the form of histograms in Figs. 18 and 19.

Table 2: Basic statistics

	Sulphur Creek Suite											
	Au*	Ag	As	Cu	Pb	Zn	Sb	Hg**	Fe	Cr	Ni	Mg
N of Cases	131	131	131	131	131	131	131	131	131	131	131	131
Minimum	<0.2	18	2.2	2.56	6.7	24.5	0.2	<5	0.87	3.8	1.9	0.08
Maximum	12.4	1,803.0	21.7	67.28	37.03	159.8	1.15	355	4.6	65.9	53.3	1.65
Median	1.3	78	5.8	8.53	13.69	42.6	0.42	23	1.72	14	8	0.42
Arithmetic Mean	1.704	123.489	6.81	9.972	14.511	44.985	0.455	34.145	1.816	15.533	9.533	0.507
Geometric Mean	1.19	86.595	6.166	8.565	13.897	43.109	0.427	23.39	1.739	13.413	7.931	0.429
Stand. Deviation	1.566	179.752	3.346	7.56	4.594	15.826	0.167	44.879	0.57	9.398	6.891	0.316
Variance	2.453	32,310.7	11.198	57.158	21.103	250.447	0.028	2,014.09	0.325	88.326	47.483	0.1
Skewness	3.478	6.853	1.838	4.558	1.676	3.769	0.902	4.525	1.541	2.309	2.99	1.533
Kurtosis	18.712	59.721	4.84	28.641	4.907	22.939	1.337	25.082	4.469	8.298	13.638	2.068

Table 3: Correlation Matrix

	Sulphur Creek Suite											
	Au	Ag	As	Cu	Pb	Zn	Sb	Hg	Fe	Cr	Ni	Mg
Au	1											
Ag	0.065	1										
As	0.302	0.189	1									
Cu	0.209	0.103	0.587	1								
Pb	-0.003	0.438	0.084	-0.138	1							
Zn	0.071	0.176	0.513	0.851	-0.005	1						
Sb	0.214	-0.048	0.545	0.342	0.234	0.186	1					
Hg	0.118	0.19	0.234	0.268	0.185	0.143	0.564	1				
Fe	0.222	0.094	0.716	0.813	-0.043	0.791	0.447	0.22	1			
Cr	0.244	0.054	0.635	0.912	-0.203	0.762	0.365	0.224	0.92	1		
Ni	0.284	0.043	0.659	0.945	-0.174	0.796	0.384	0.231	0.899	0.963	1	
Mg	-0.125	-0.048	0.01	0.294	-0.129	0.573	-0.363	-0.151	0.271	0.208	0.249	1

Table 4: Basic Statistics

	Nasina Assemblage											
	Au*	Ag	As	Cu	Pb	Zn	Sb	Hg**	Fe	Cr	Ni	Mg
N of Cases	70	70	70	70	70	70	70	70	70	70	70	70
Minimum	<0.2	11	1.1	5.16	2.3	23.3	0.07	<5	1.62	11.6	8.8	0.26
Maximum	7.6	2,013.0	163.3	147.41	28.48	183.6	2.21	225	6.49	499.4	271.8	3.8
Median	1.25	162.5	7.2	48.98	8.685	91.65	0.385	38.5	3.675	56.2	46.4	1.355
Arithmetic Mean	1.533	250.614	13.953	49.52	9.902	97.589	0.53	46.029	3.81	72.896	52.896	1.406
Geometric Mean	0.774	146.832	7.834	43.753	9.069	90.38	0.42	32.228	3.667	56.978	44.637	1.254
Stand. Deviation	1.575	307.315	21.662	23.306	4.359	37.372	0.426	41.192	1.045	71.002	42.01	0.653
Variance	2.480	94,442.4	469.3	543.2	18.998	1,396.7	0.181	1,696.8	1.092	5,041.3	1,764.8	0.427
Skewness	1.91	3.346	5.095	1.155	1.553	0.523	2.201	2.175	0.392	4.187	4.132	1.076
Kurtosis	4.17	15.442	33.032	3.48	4.077	-0.365	5.057	5.965	-0.057	21.397	19.997	2.553

Table 5: Correlation Matrix

	Nasina Assemblage											
Element	Au	Ag	As	Cu	Pb	Zn	Sb	Hg	Fe	Cr	Ni	Mg
Au	1											
Ag	0.078	1										
As	-0.003	0.365	1									
Cu	-0.032	-0.062	-0.078	1								
Pb	0.311	0.121	0.148	-0.155	1							
Zn	-0.156	0.427	0.262	0.312	-0.194	1						
Sb	0.176	0.289	0.196	-0.138	0.156	0.154	1					
Hg	0.289	0.612	0.039	-0.167	0.091	-0.073	0.369	1				
Fe	-0.326	-0.312	-0.15	0.407	-0.303	0.296	-0.013	-0.33	1			
Cr	-0.066	-0.081	-0.075	0.025	-0.232	-0.062	-0.049	0.266	0.312	1		
Ni	-0.023	0.001	-0.056	0.154	-0.068	-0.016	0.021	0.332	0.27	0.923	1	
Mg	-0.286	-0.229	-0.056	0.34	-0.336	0.351	-0.118	-0.331	0.802	0.511	0.428	1

Note: *, ** - for statistics purposes the value <0.2 replaced with 0.05 and the value <5 replaced with 2.

Table 6: Basic Statistics

Sulphur Creek Suite, Lithophile Elements													
	Mn	Fe	U	Th	Ca	P	Cr	Mg	Ba	Ti	Al	Na	K
N of Cases	131	131	131	131	131	131	131	131	131	131	131	131	131
Minimum	55	0.87	0.5	2.3	0.01	0.005	3.8	0.08	35.7	0.007	0.47	0	0.04
Maximum	848	4.6	14.8	20.4	0.65	0.14	65.9	1.65	450.7	0.117	2.75	0.007	0.74
Median	149	1.72	1.2	8.3	0.08	0.014	14	0.42	109.5	0.034	1.25	0.004	0.07
Arithmetic Mean	175.076	1.816	1.376	8.874	0.091	0.018	15.533	0.507	124.524	0.036	1.342	0.004	0.088
Geometric Mean	153.423	1.739	1.182	8.144	0.079	0.014	13.413	0.429	114.535	0.033	1.274	0.004	0.076
Standard Deviation	109.955	0.57	1.33	3.62	0.065	0.016	9.398	0.316	57.856	0.017	0.438	0.001	0.079
Variance	12,090.1	0.325	1.768	13.103	0.004	0	88.326	0.1	3,347.3	0	0.192	0	0.006
Coeff. of Variation	0.628	0.314	0.966	0.408	0.714	0.924	0.605	0.624	0.465	0.479	0.326	0.366	0.895
Skewness	3.012	1.541	8.154	0.707	5.389	4.854	2.309	1.533	2.346	1.647	0.773	0.009	6.104
Kurtosis	13.005	4.469	80.839	0.272	42.759	30.462	8.298	2.068	8.964	4.787	0.561	-0.117	44.811

Table 7: Correlation Matrix

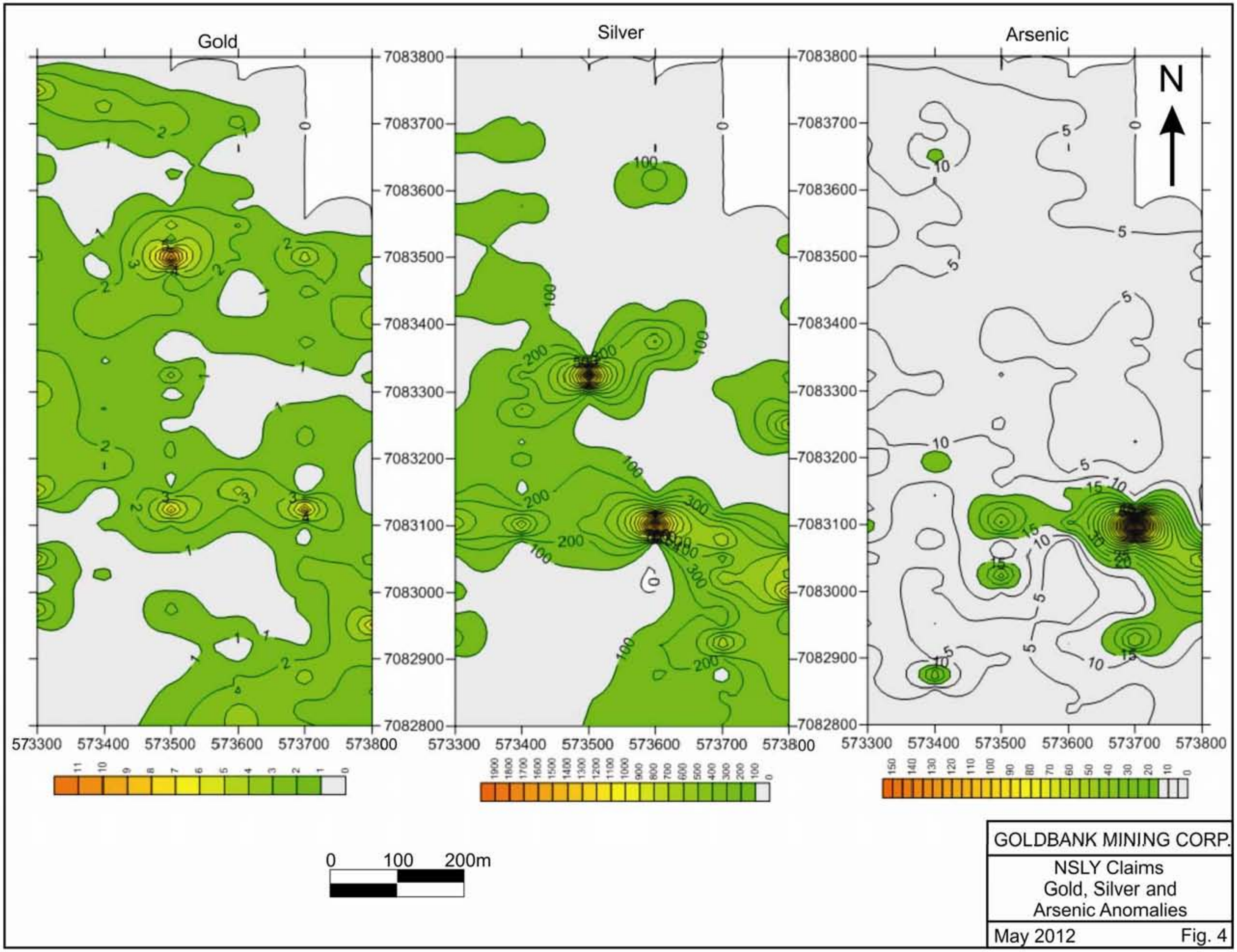
Sulphur Creek Suite, Lithophile Elements													
	Mn	Fe	U	Th	Ca	P	Cr	Mg	Ba	Ti	Al	Na	K
Mn	1												
Fe	0.783	1											
U	-0.026	-0.056	1										
Th	-0.121	-0.072	0.444	1									
Ca	0.674	0.568	0.162	-0.16	1								
P	0.787	0.729	0.004	-0.286	0.773	1							
Cr	0.781	0.92	-0.113	-0.202	0.636	0.78	1						
Mg	0.253	0.271	-0.096	0	0.506	0.296	0.208	1					
Ba	0.848	0.827	0.043	-0.193	0.765	0.795	0.876	0.262	1				
Ti	0.636	0.669	-0.105	-0.128	0.622	0.561	0.662	0.612	0.641	1			
Al	0.571	0.788	-0.093	0.031	0.471	0.456	0.679	0.644	0.606	0.67	1		
Na	0.078	0.105	0.084	-0.131	-0.002	0.003	0.138	-0.165	0.181	0.066	0.008	1	
K	0.632	0.478	0.095	0.029	0.561	0.727	0.481	0.481	0.547	0.579	0.407	-0.13	1

Table 8: Basic Statistics, Lithophile Elements

	Nasina Assemblage												
	Mn	Fe	U	Th	Ca	P	Cr	Mg	Ba	Ti	Al	Na	K
N of Cases	70	70	70	70	70	70	70	70	70	70	70	70	70
Minimum	86	1.62	0.03	0.4	0.07	0.012	11.6	0.26	112.7	0.008	0.81	0	0.003
Maximum	2,264.0	6.49	1.9	24	1.32	0.328	499.4	3.8	744.2	0.299	4.58	0.026	1.2
Median	593.5	3.675	0.8	3.9	0.395	0.07	56.2	1.355	295.5	0.103	2.305	0.004	0.29
Arithmetic Mean	663.371	3.81	0.855	5.21	0.47	0.087	72.896	1.406	333.389	0.114	2.24	0.005	0.396
Geometric Mean	582.904	3.667	0.749	4.16	0.387	0.07	56.978	1.254	305.205	0.092	2.109	0.003	0.254
Standard Deviation	360.52	1.045	0.369	3.829	0.293	0.061	71.002	0.653	145.431	0.068	0.744	0.004	0.334
Variance	129,974.6	1.092	0.136	14.665	0.086	0.004	5,041.3	0.427	21,150.1	0.005	0.554	0	0.112
Variation Coeff.	0.543	0.274	0.432	0.735	0.622	0.697	0.974	0.465	0.436	0.594	0.332	0.834	0.844
Skewness	1.834	0.392	0.454	2.308	0.922	1.759	4.187	1.076	0.967	0.659	0.365	2.188	0.898
Kurtosis	5.267	-0.057	0.412	7.851	0.115	3.839	21.397	2.553	0.415	-0.058	0.576	8.694	-0.336

Table 9: Correlation Matrix

	Nasina Assemblage												
	Mn	Fe	U	Th	Ca	P	Cr	Mg	Ba	Ti	Al	Na	K
Mn	1												
Fe	0.411	1											
U	-0.364	-0.398	1										
Th	-0.187	-0.037	0.488	1									
Ca	0.01	-0.151	0.264	-0.156	1								
P	0.008	-0.053	0.238	-0.101	0.568	1							
Cr	0.605	0.312	-0.421	-0.28	-0.017	-0.061	1						
Mg	0.399	0.802	-0.371	-0.214	-0.023	0.058	0.511	1					
Ba	0.064	0.151	0.026	-0.338	0.345	0.287	0.198	0.373	1				
Ti	0.105	0.598	-0.233	-0.156	-0.072	0.143	0.167	0.689	0.632	1			
Al	0.232	0.812	-0.308	-0.182	-0.15	-0.009	0.281	0.922	0.329	0.721	1		
Na	-0.402	-0.452	0.236	0.023	0.116	-0.154	-0.284	-0.404	0.054	-0.232	-0.375	1	
K	0.057	0.513	-0.197	-0.074	-0.028	0.249	0.105	0.593	0.644	0.919	0.586	-0.179	1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Silver
Arsenic
N
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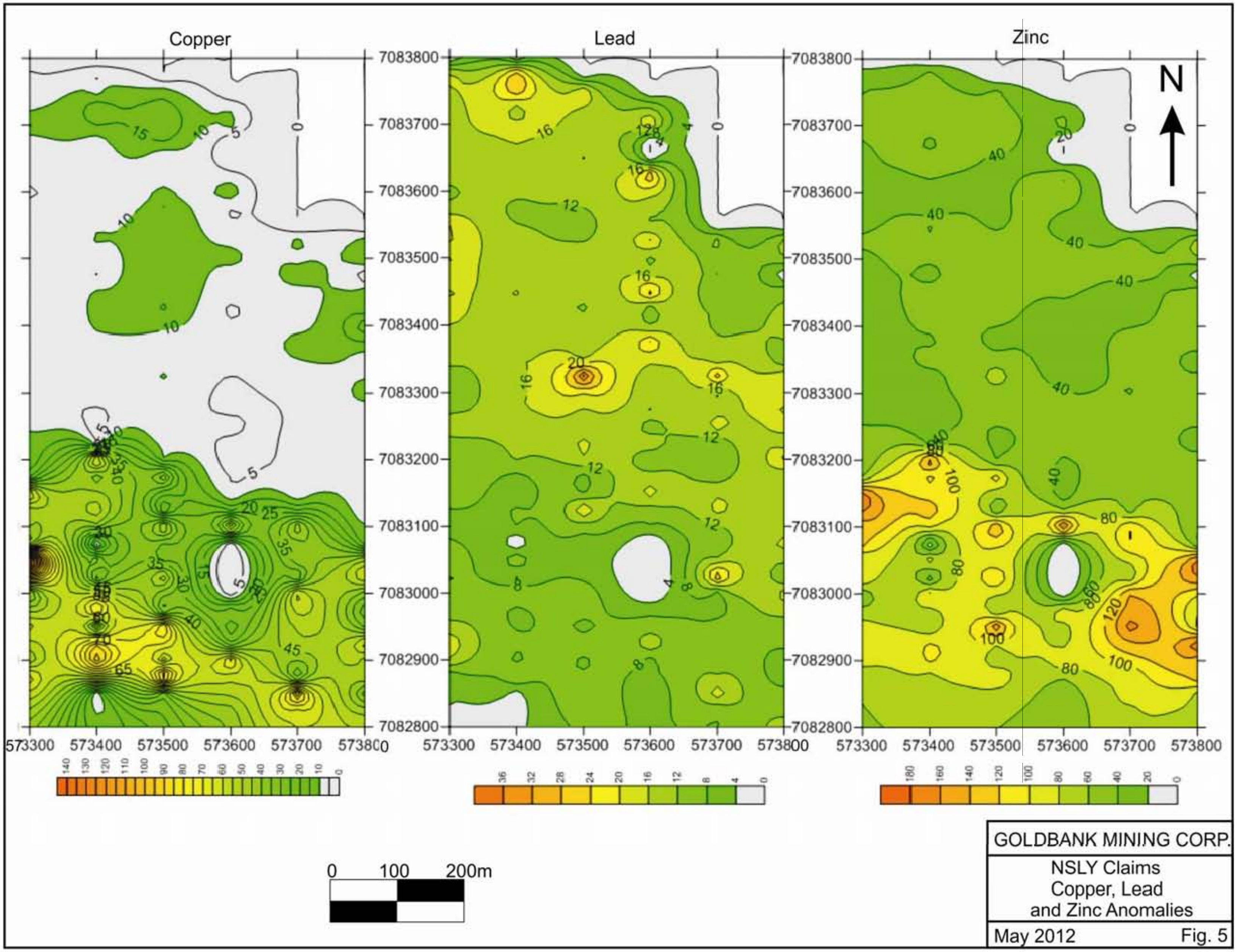
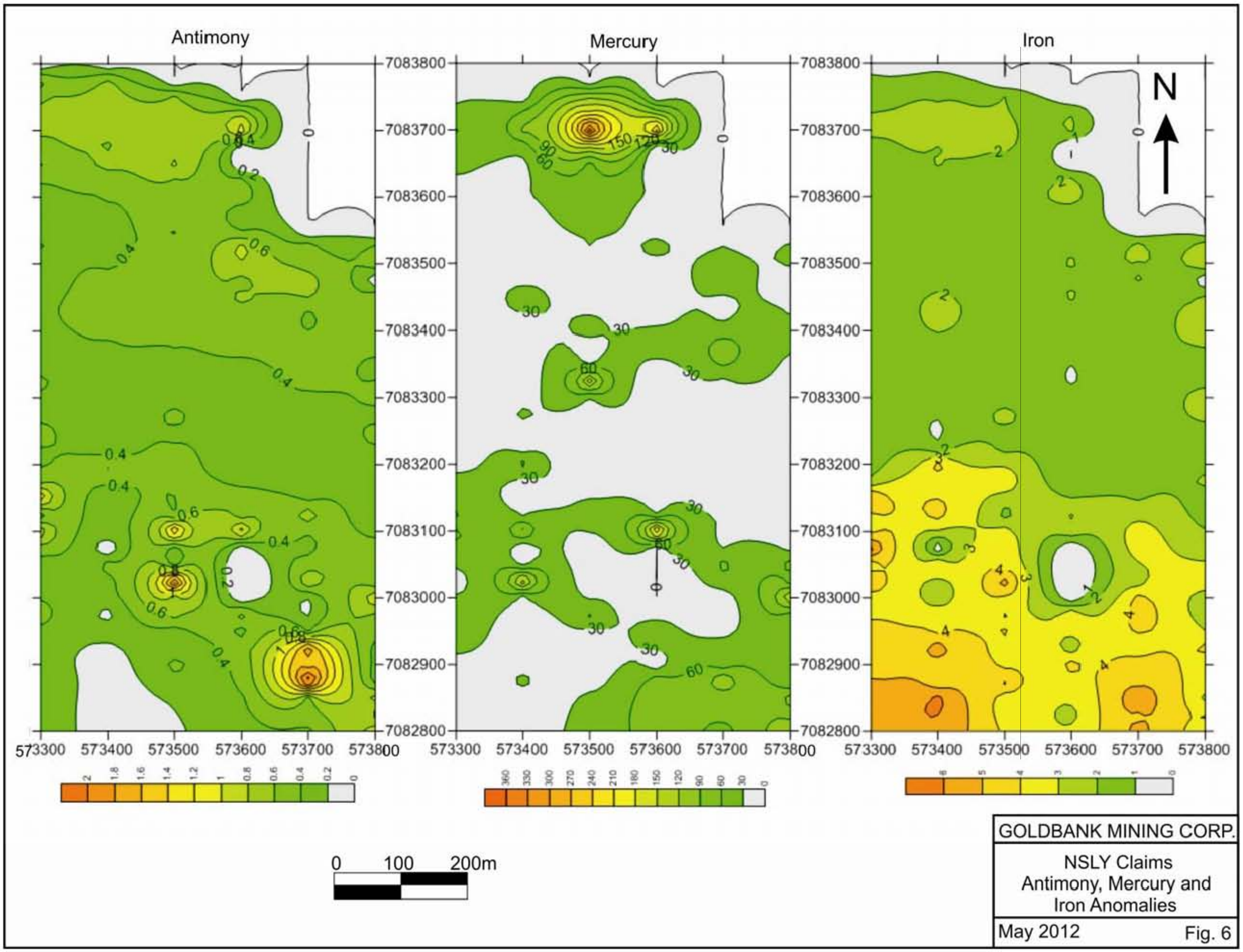
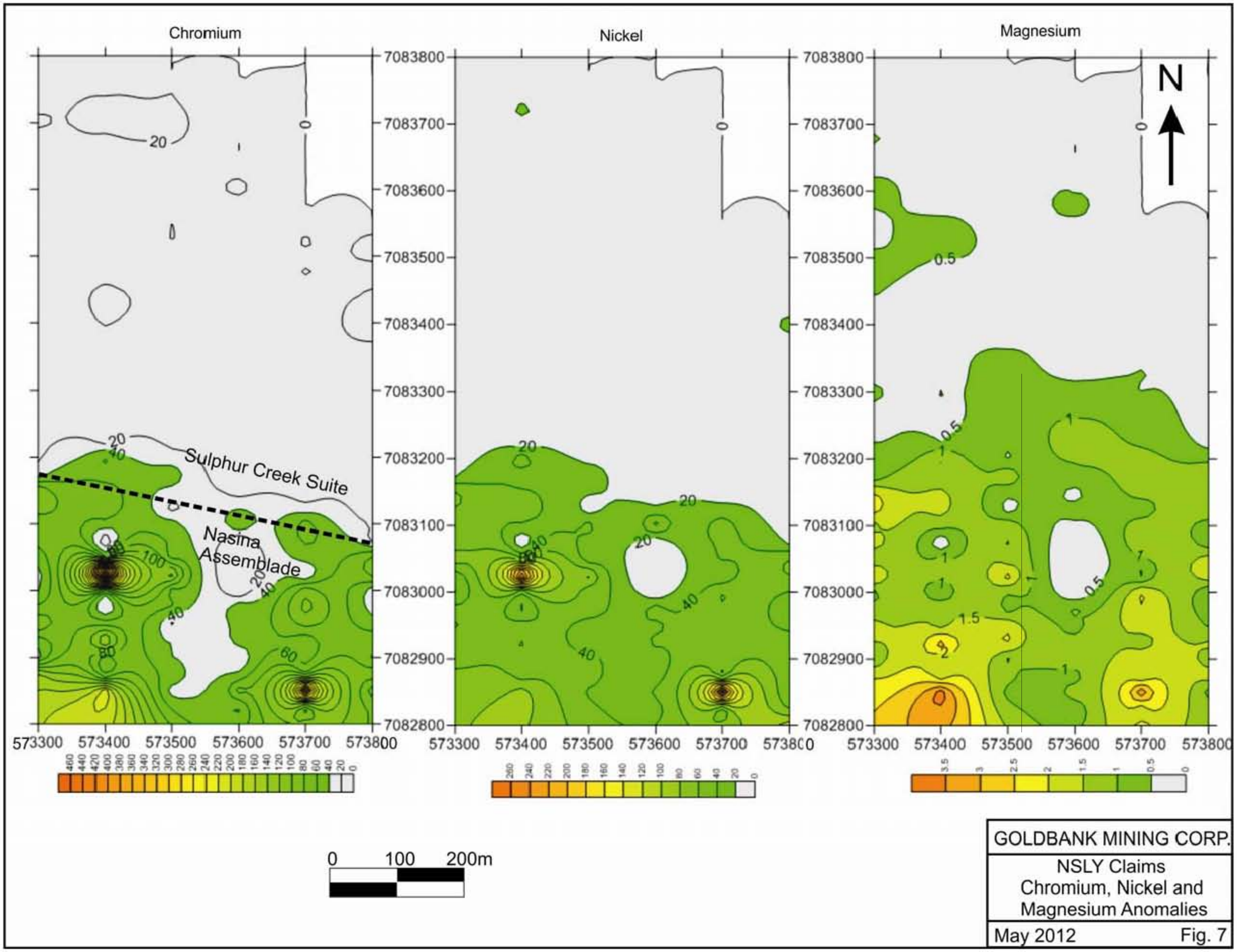
7083700
7083600
7083500
7083400
7083300
7083200
7083100
7083000
7082900
7082800
573300 573400 573500 573600 573700 573800
0 100 200m
GOLDBANK MINING CORP.
NSLY Claims
Gold, Silver and
Arsenic Anomalies
May 2012
Fig. 4


Copper
Lead
Zinc
N
GOLDBANK MINING CORP.
NSLY Claims
Copper, Lead
and Zinc Anomalies
May 2012
Fig. 5
0
100
200m


Antimony
Mercury
Iron
N
7083800
7083700
7083600
7083500
7083400
7083300
7083200
7083100
7083000
7082900
7082800
573300 573400 573500 573600 573700 573800
0 100 200m
GOLDBANK MINING CORP.
NSLY Claims
Antimony, Mercury and
Iron Anomalies
May 2012
Fig. 6


Chromium
Nickel
Magnesium
N
Sulphur Creek Suite
Nasina Assemblade
7083800
7083700
7083600
7083500
7083400
7083300
7083200
7083100
7083000
7082900
7082800
573300
573400
573500
573600
573700
573800
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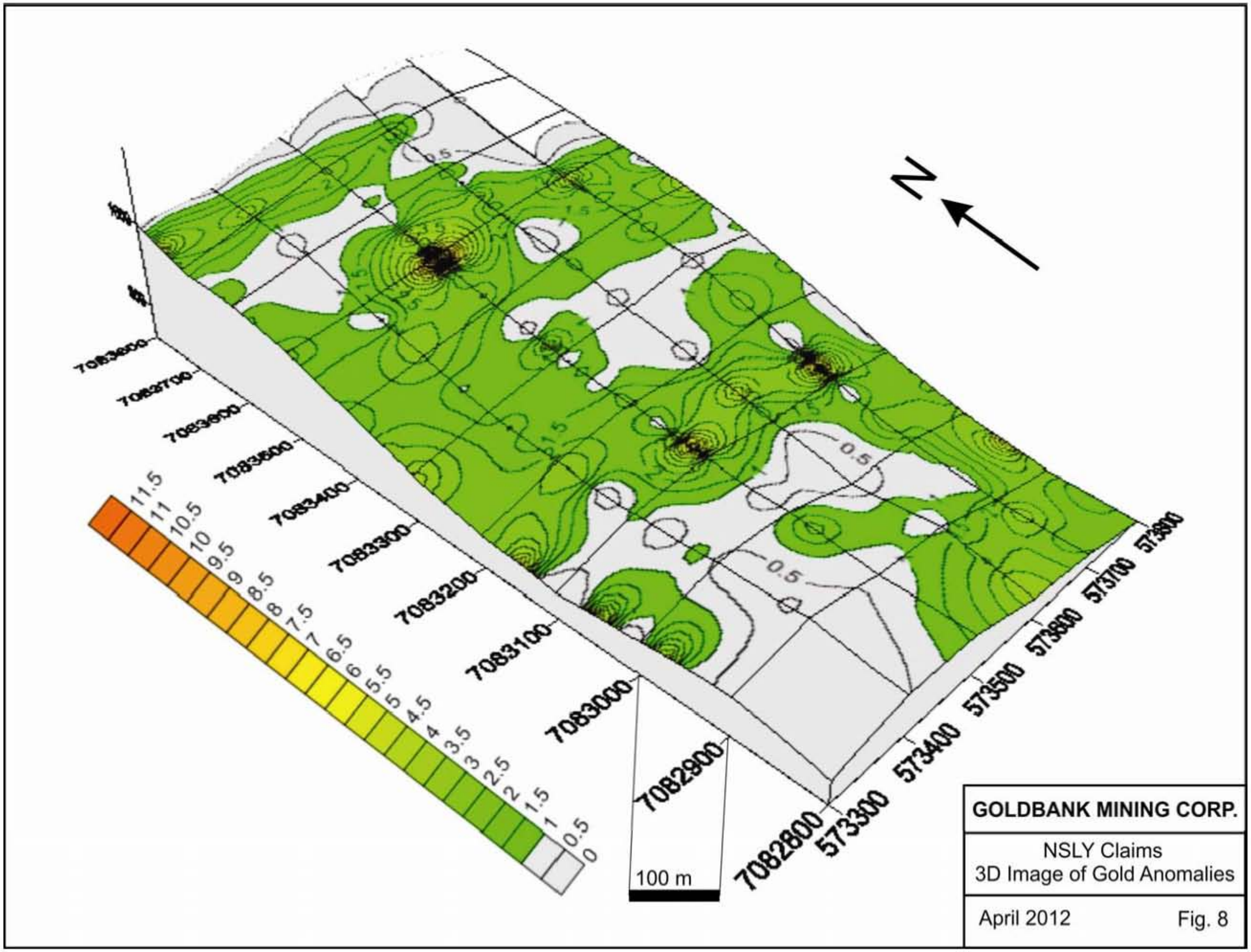
100
200m
GOLDBANK MINING CORP.
NSLY Claims
Chromium, Nickel and
Magnesium Anomalies
May 2012
Fig. 7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11
10.5
10
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9
8.5
8
7.5
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6.5
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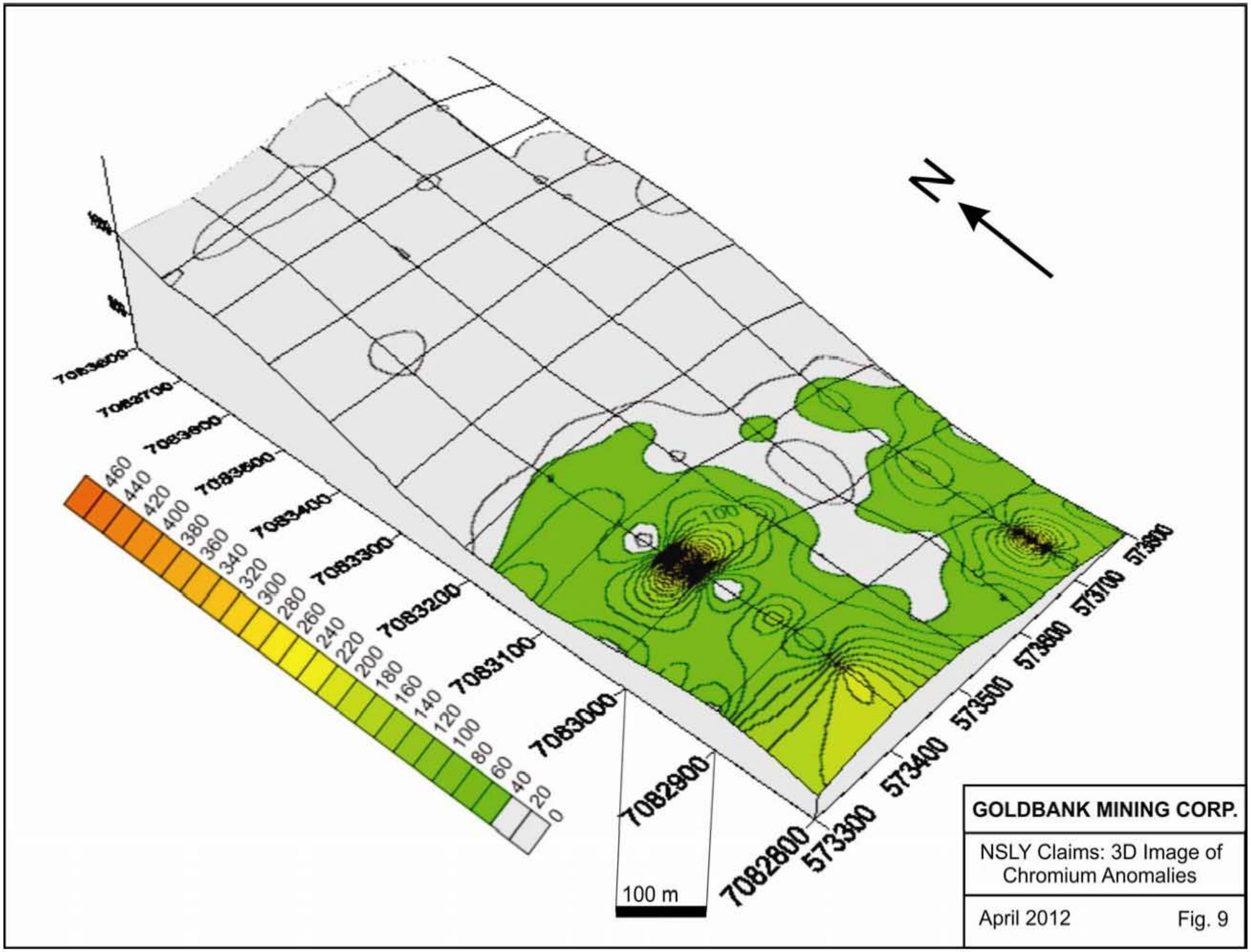
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
7083100
7083000
7082900
7082800
573300
573400
573500
100 m
0.5
GOLDBANK MINING CORP.
NSLY Claims
3D Image of Gold Anomalies
April 2012
Fig. 8


N
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240
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200
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80
60
40
20
0
7083000
7083100
7083200
7083300
7083400
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573400
573500
100 m
GOLDBANK MINING CORP.
NSLY Claims: 3D Image of Chromium Anomalies
April 2012
Fig. 9

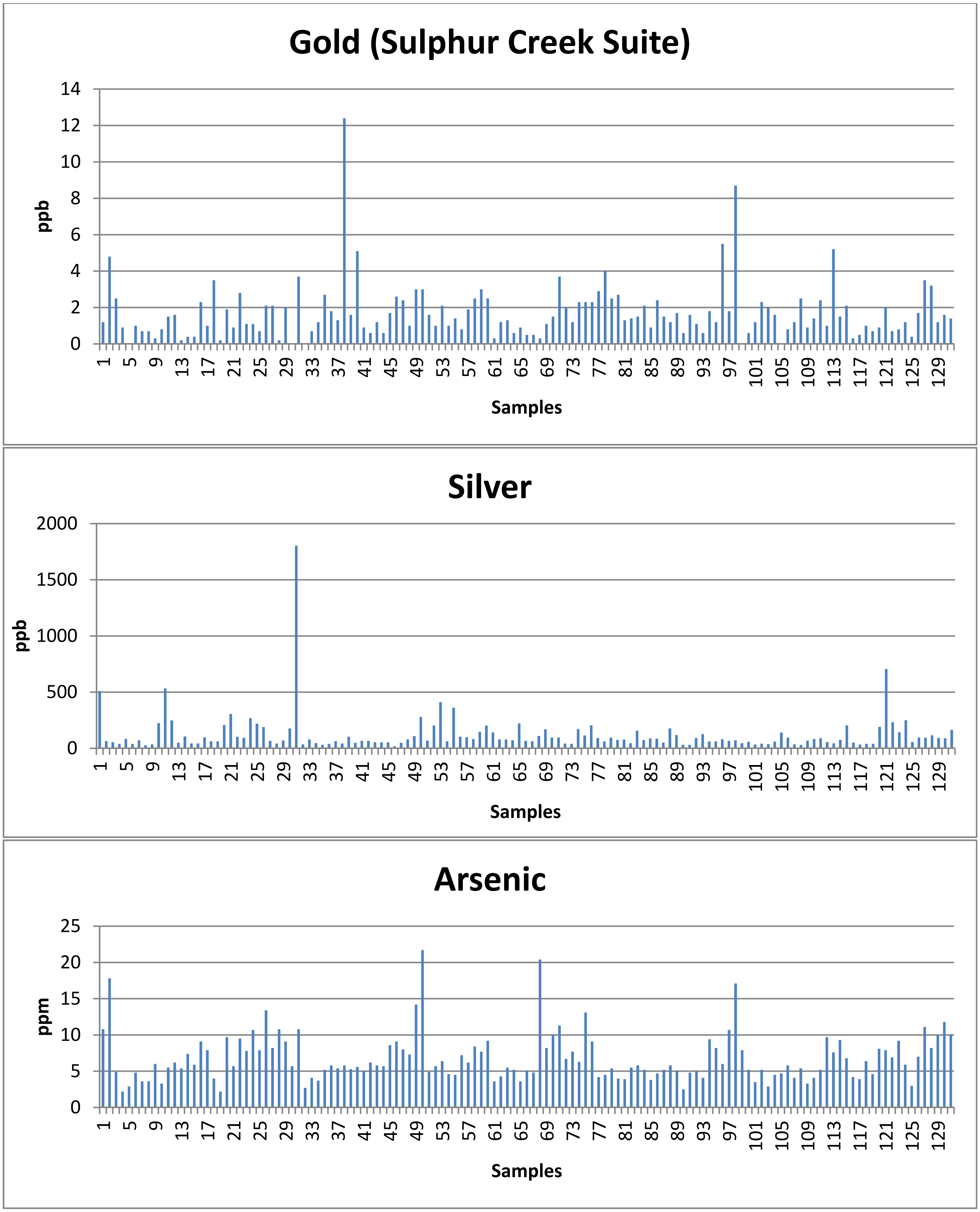


Fig. 10: Histograms for gold, silver and arsenic, Sulphur Creek Suite

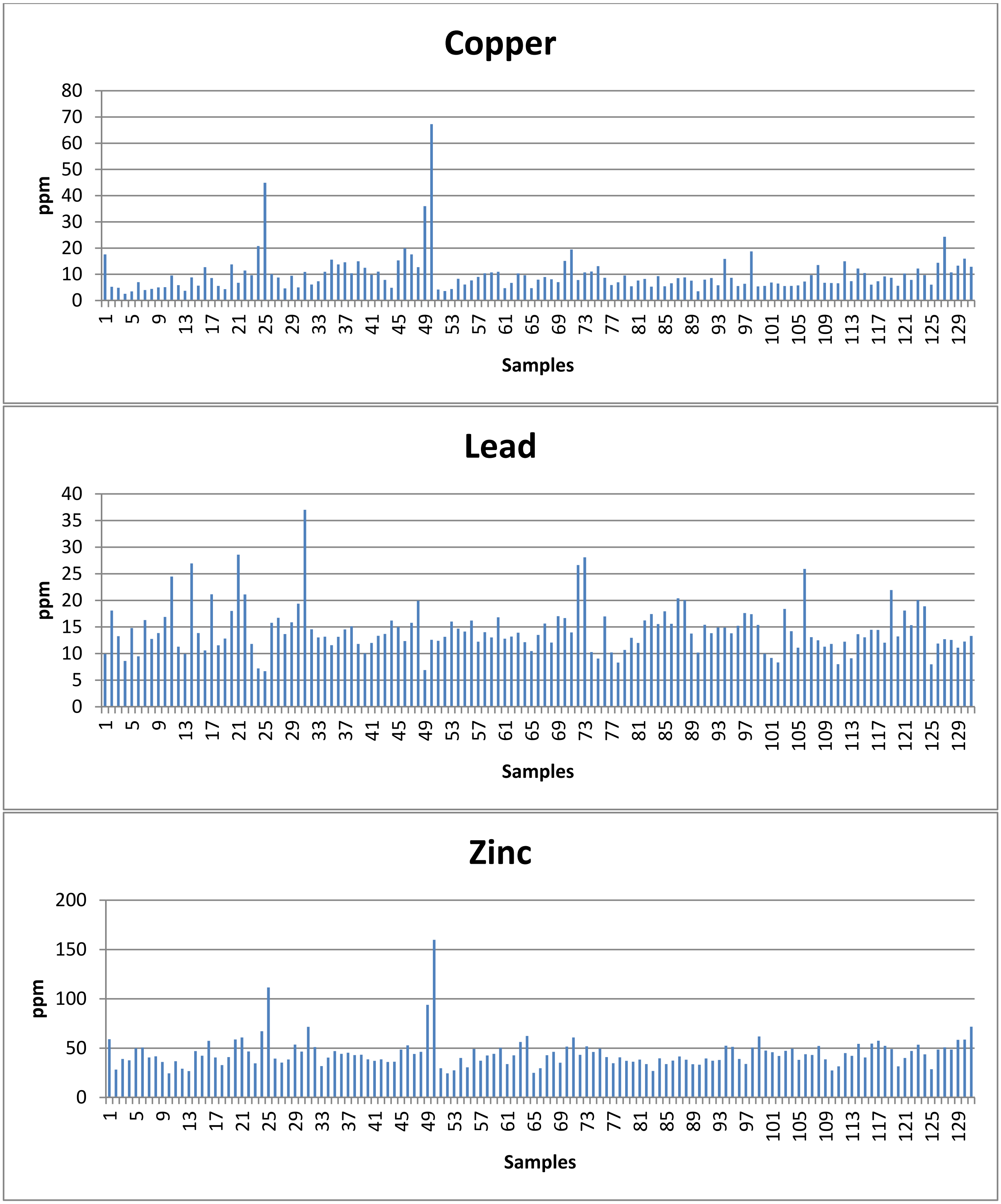


Fig. 11: Histograms for copper, lead and zinc, Sulphur Creek Suite

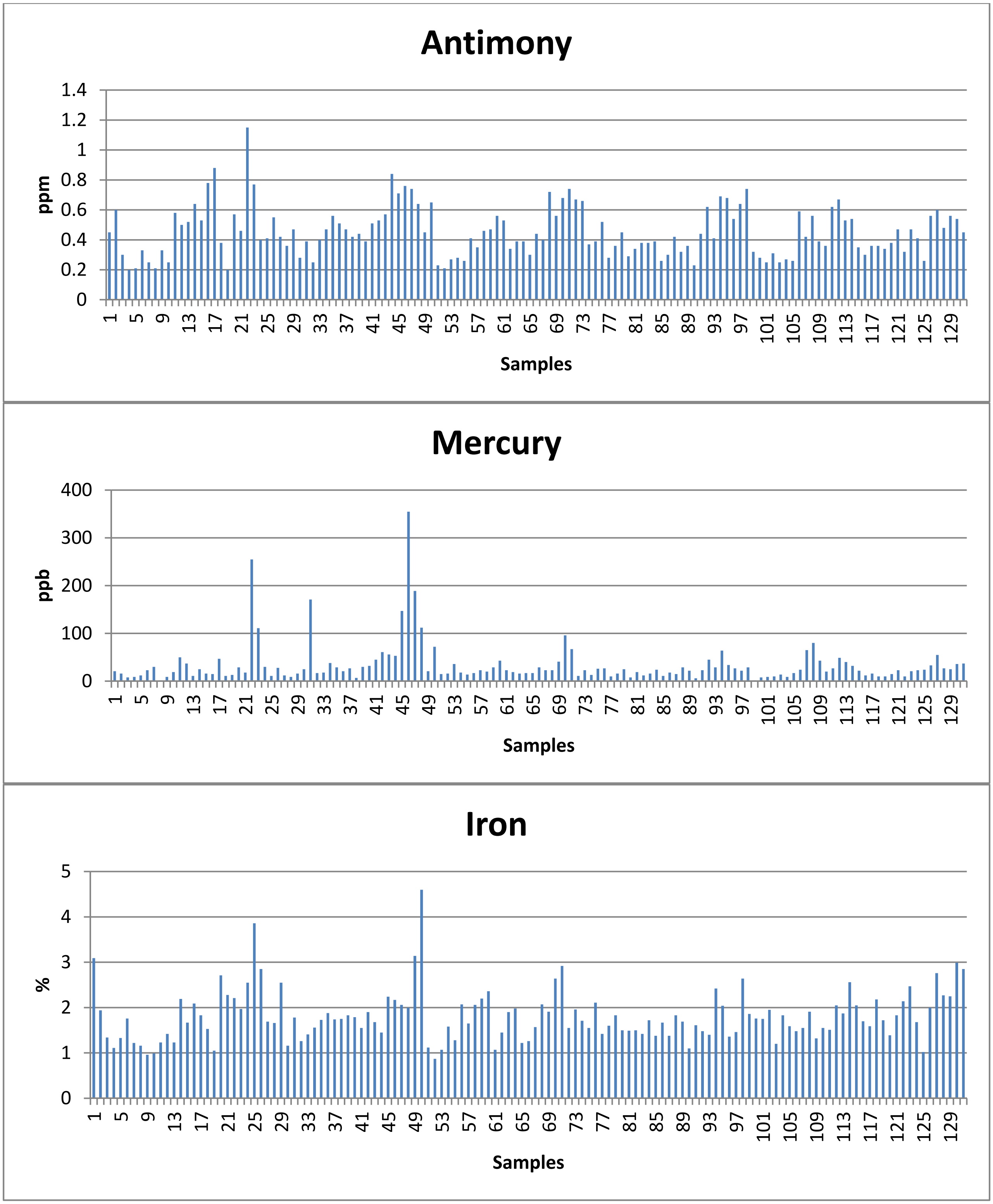


Fig. 12: Histograms for antimony, mercury and iron, Sulphur Creek Suite

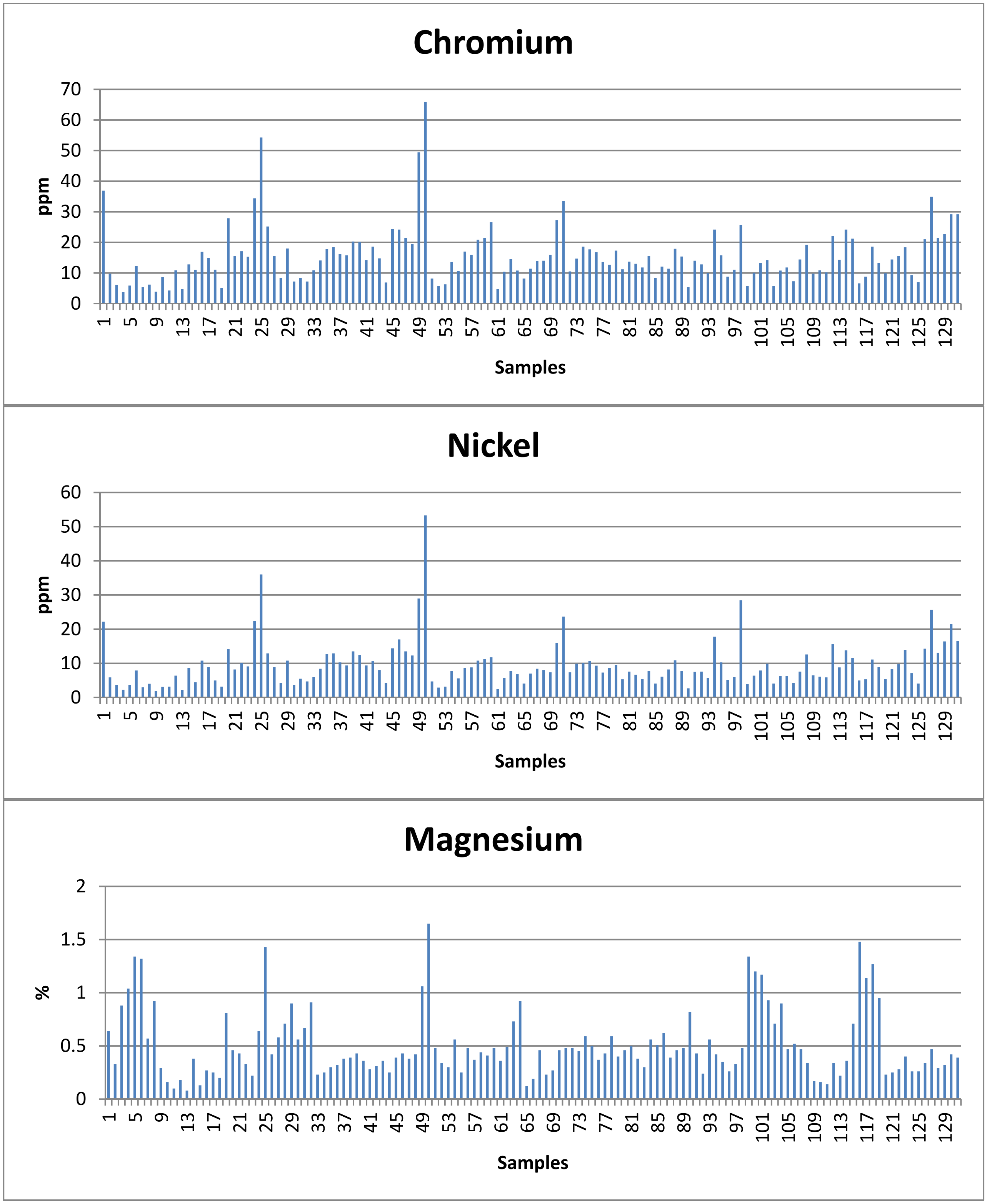


Fig. 13: Histograms for chromium, nickel and magnesium, Sulphur Creek Suite

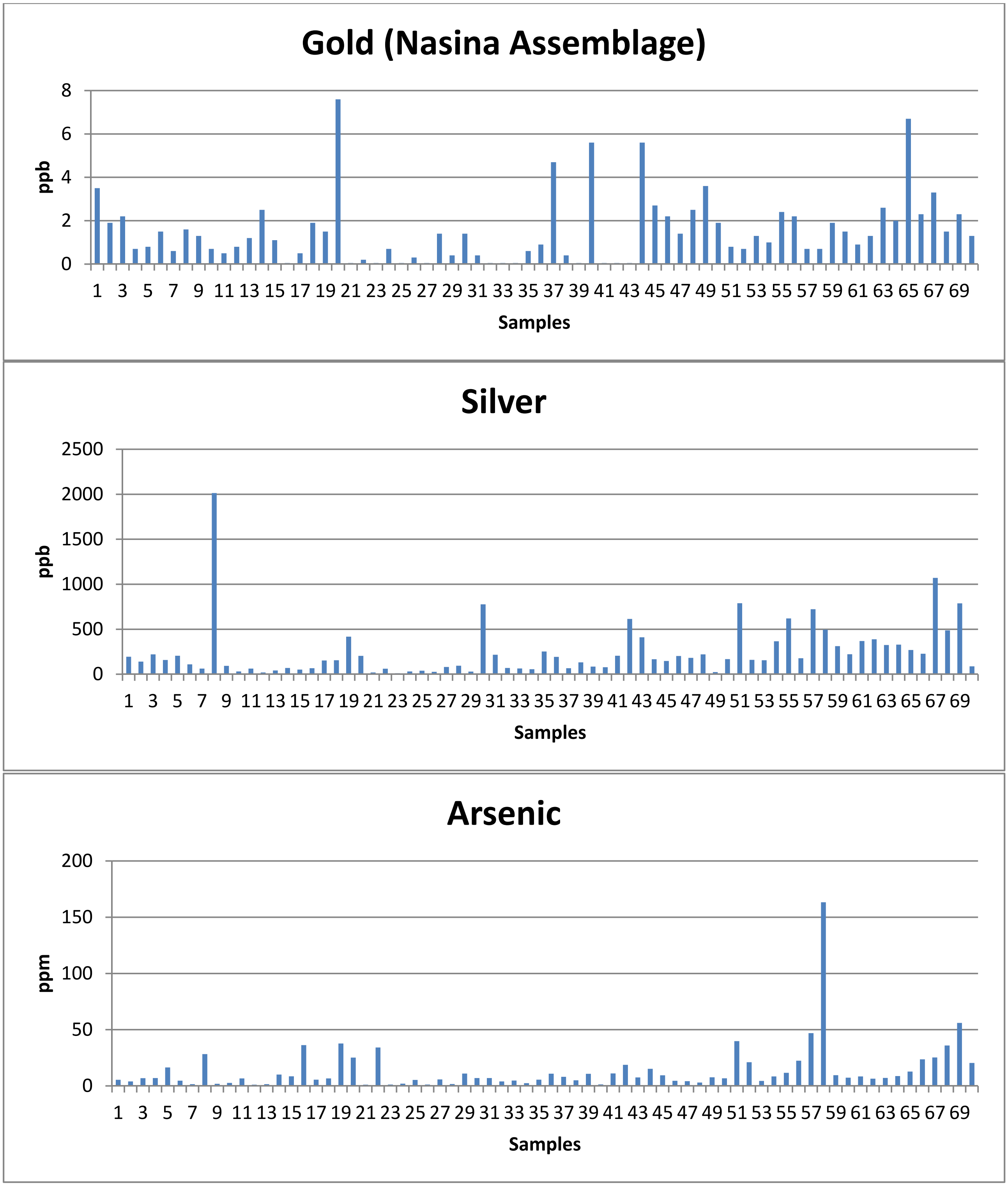


Fig. 14: Histograms for gold, silver and arsenic, Nasina Assemblage

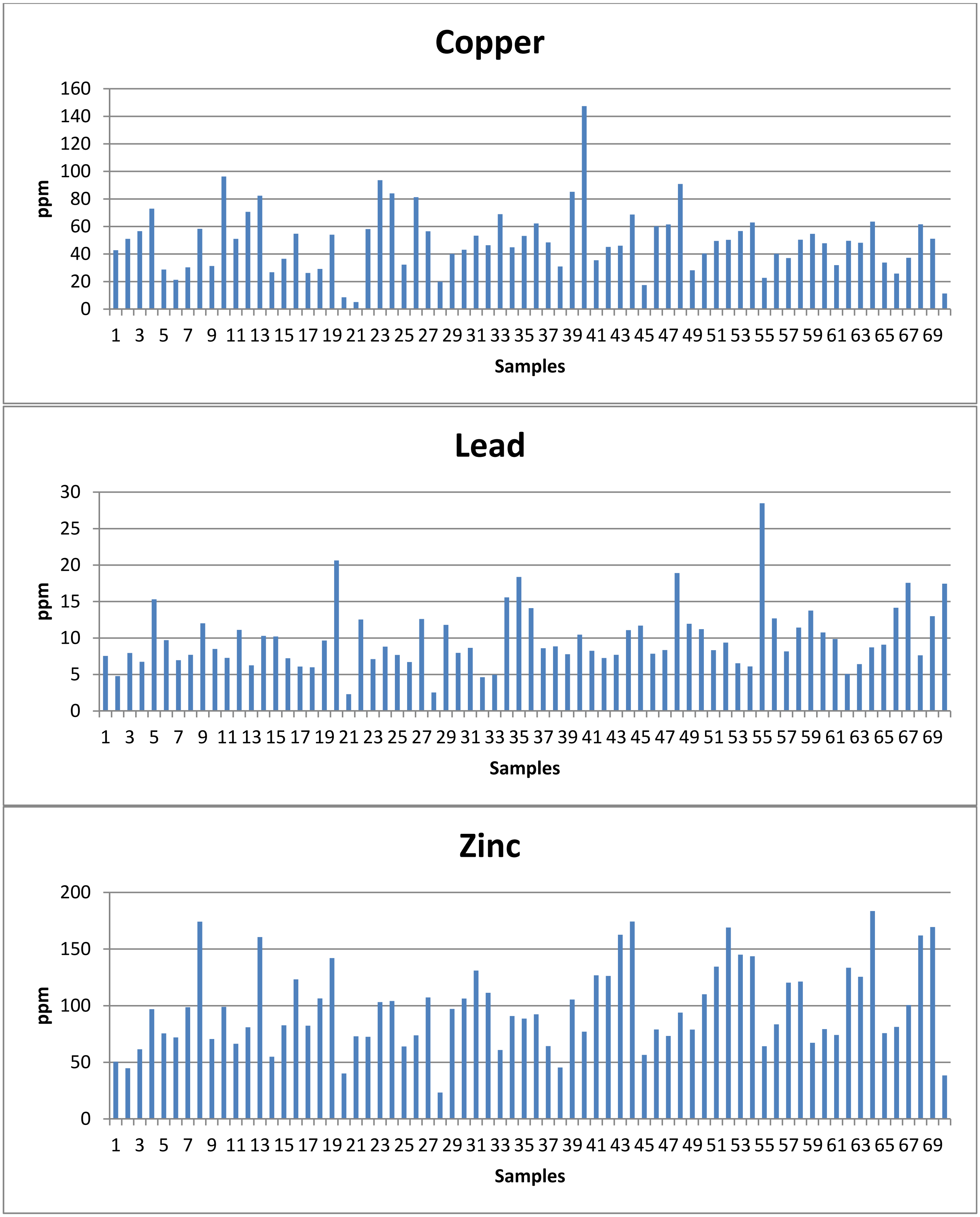


Fig. 15: Histograms for copper, lead and zinc, Nasina Assemblage

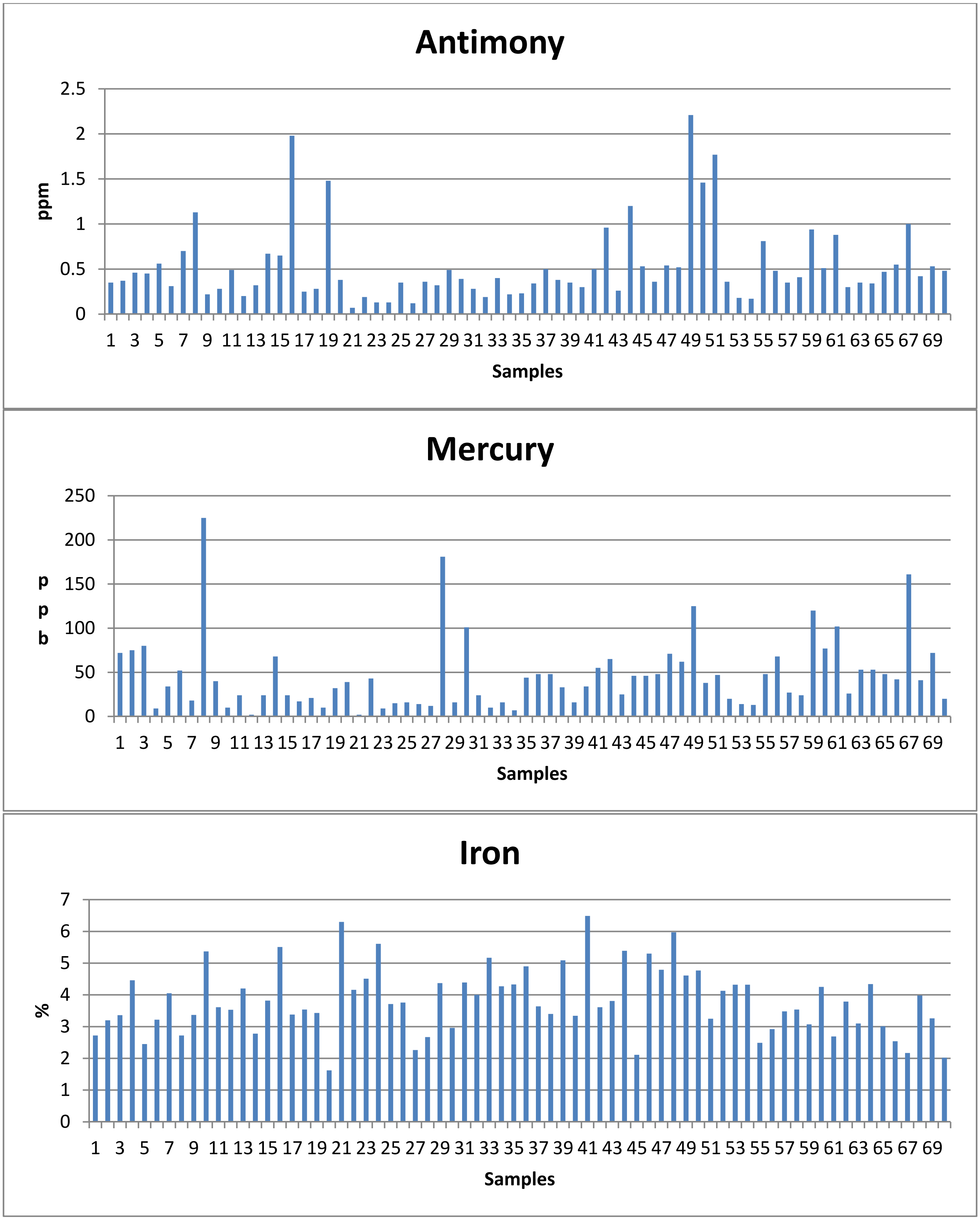


Fig. 16: Histograms for antimony, mercury and iron, Nasina Assemblage

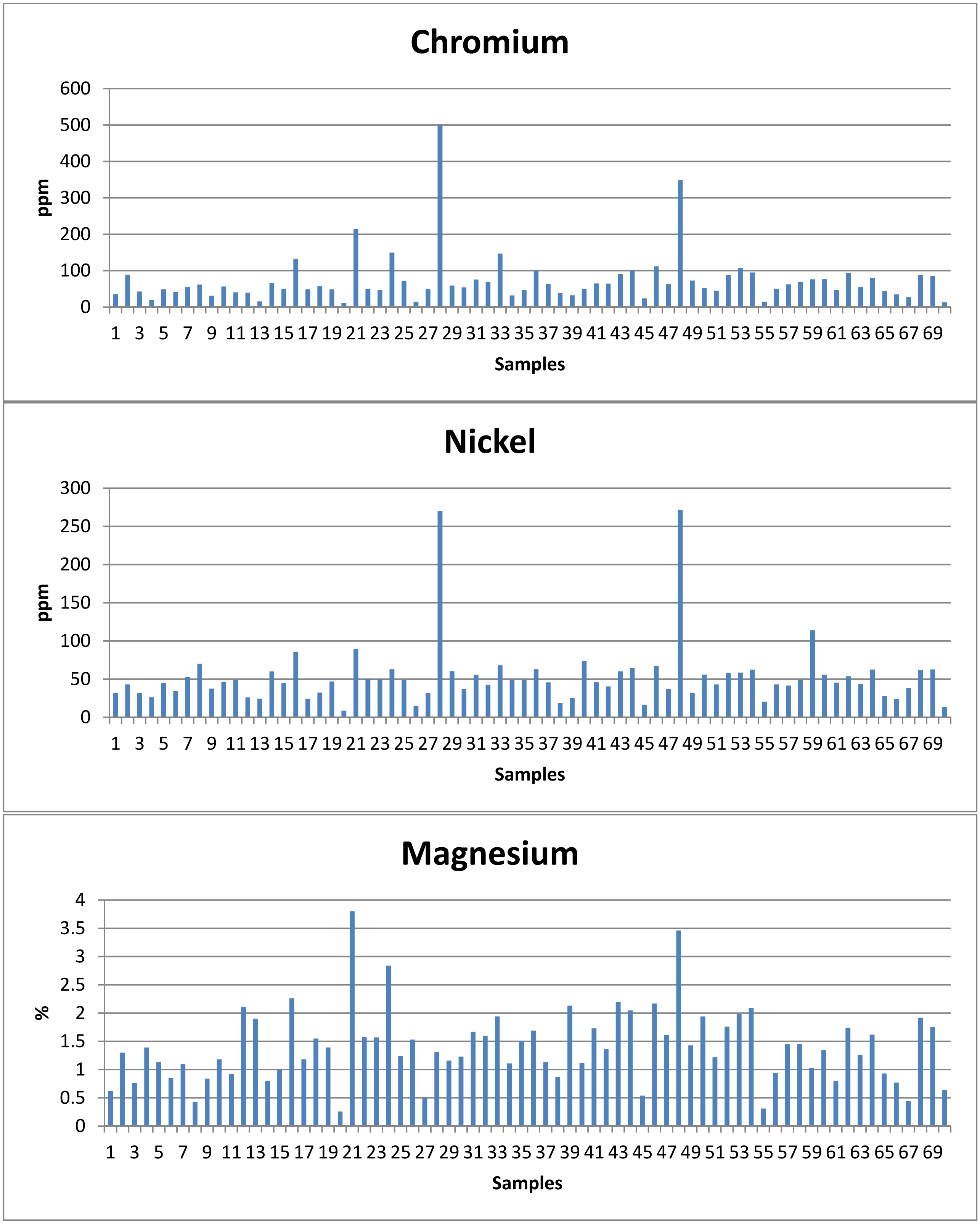


Fig. 17: Histograms for chromium, nickel and magnesium, Nasina Assemblage

6.1. **Rock Samples**

Three rock samples were collected from the NSLY claim block, two being chip samples (1035862, 1035853) from an outcrop and/or a sub-crop respectively, and the last sample (1035861) is a float. All samples represent more or less sheared schist with iron oxide infiltrations and/or vugs lined up with limonite. None of the samples returned anomalous precious and/or the base metal assays. However, the samples 1035853 and 1035862 returned anomalous cerium and lanthanum values, reaching 107.8 ppm for the former and 172.3 for the latter. The histograms for selected elements are presented in Figs. 18 and 19.

7. QUALITY ASSURANCE

The Quality Assurance program for the soil and rock samples included repeat, standard and blank analyses. The correlation coefficients for the original *vs* repeat soil assays for gold, silver, arsenic, copper, lead, zinc, chromium, nickel and magnesium were calculated and the results are shown in Table 10. The graphs comparing the original vs repeat assays are presented in Figs. 20 to 30.

Table 10: Correlation coefficients for original vs repeat assays

Au	Ag	As	Cu	Pb	Zn	Sb	Hg	Cr	Ni	Mg
0.586	0.993	0.996	0.9997	0.985	0.997	0.997	0.994	0.999	0.998	0.994

While the correlation coefficients for the base and other metals are very high indicating good reliability and reproducibility of the assays, the coefficient for gold is much lower indicating a nugget effect. Although we believe that AcmeLabs followed the prescribed norms and regulations during the preparation process, the pulps were not homogenized well enough to produce reproducible assays. Similar effects disturbing the correlation between original and repeat assays for gold were observed in other areas of 2011 soil survey (Molak 2011 a, b).

The assays for standard DS8 for gold, silver, arsenic, copper, lead, zinc, antimony, mercury, chromium, nickel and magnesium are shown in Figs. 31 – 33. Most fall close to the mean value

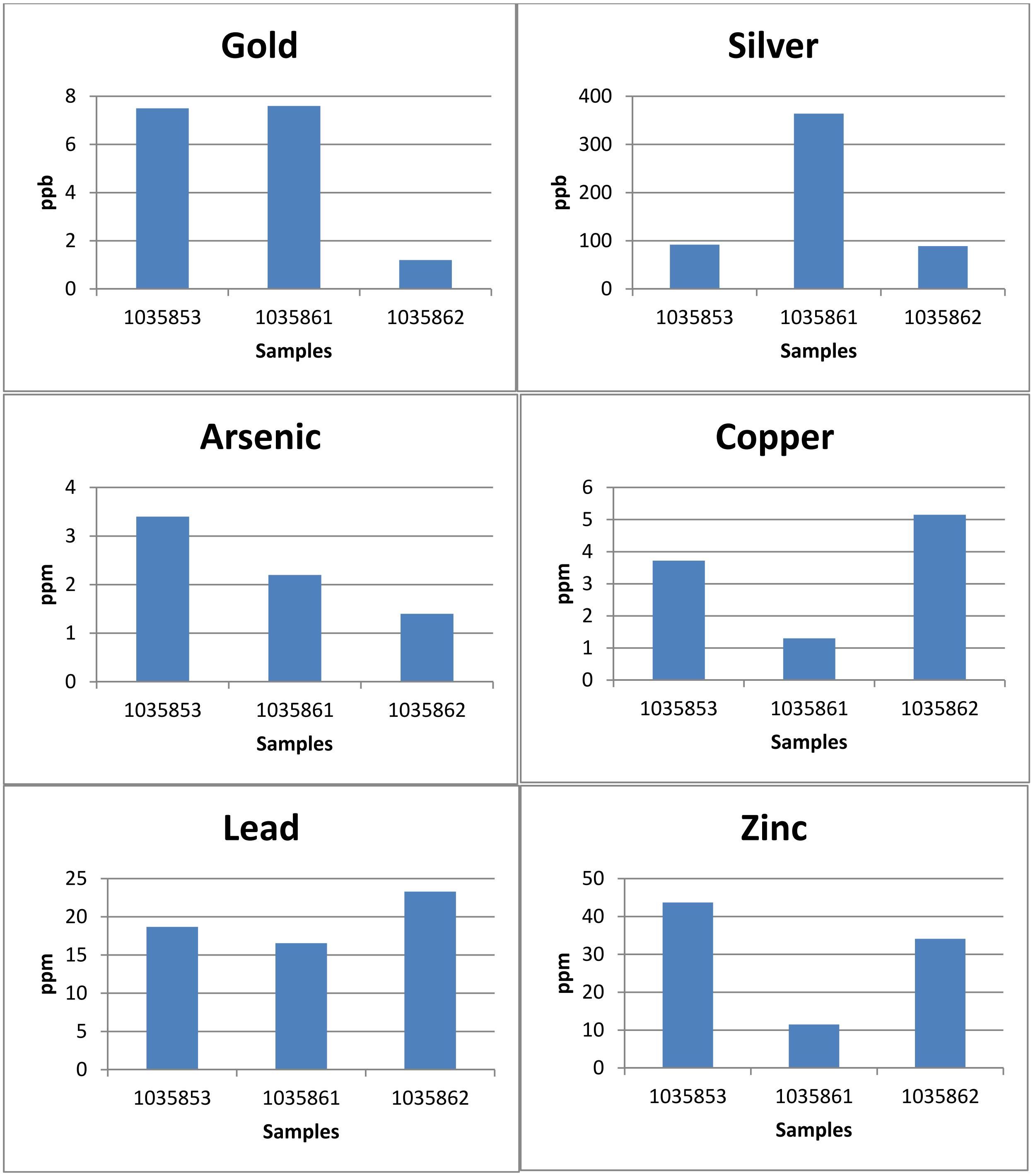


Fig. 18 a, b, c, d, e, f: Histograms for Au, Ag, As, Cu, Pb and Zn

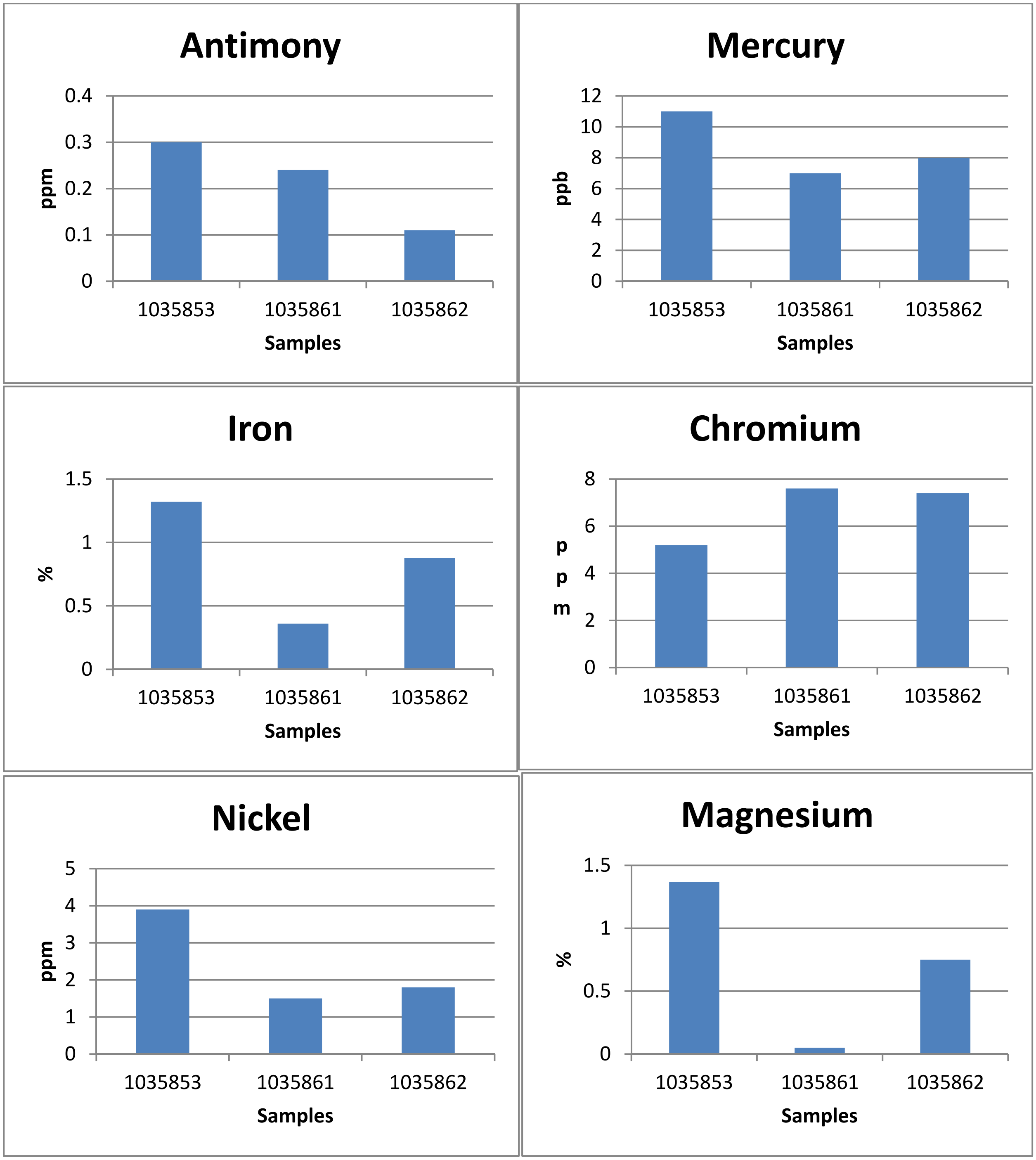


Fig. 19 a, b, c, d, e, f: Histograms for Sb, Hg, Fe, Cr, Ni and Mg

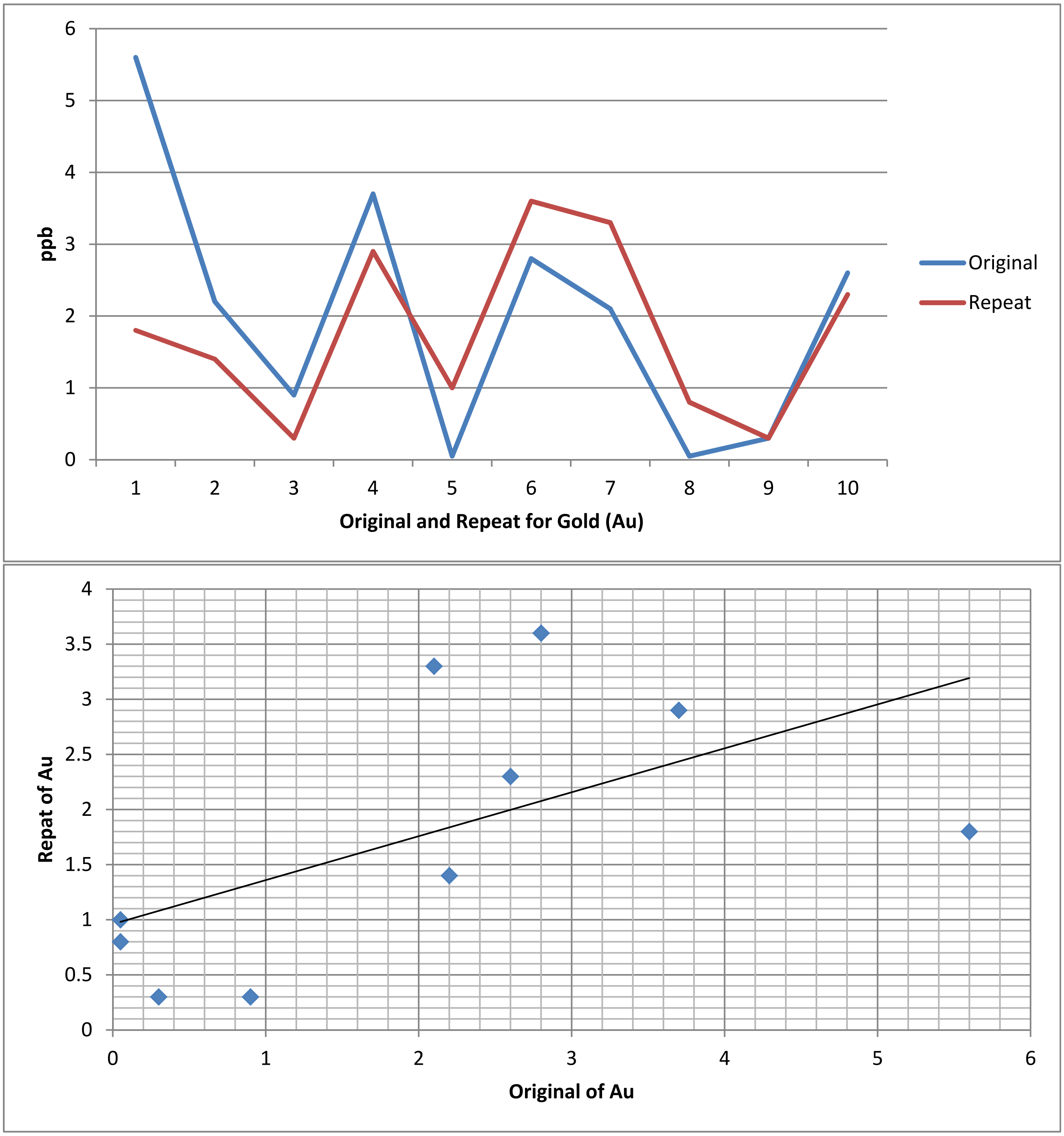


Fig. 20 a, b: Originals vs repeats for gold; correlation coefficient 0.585806

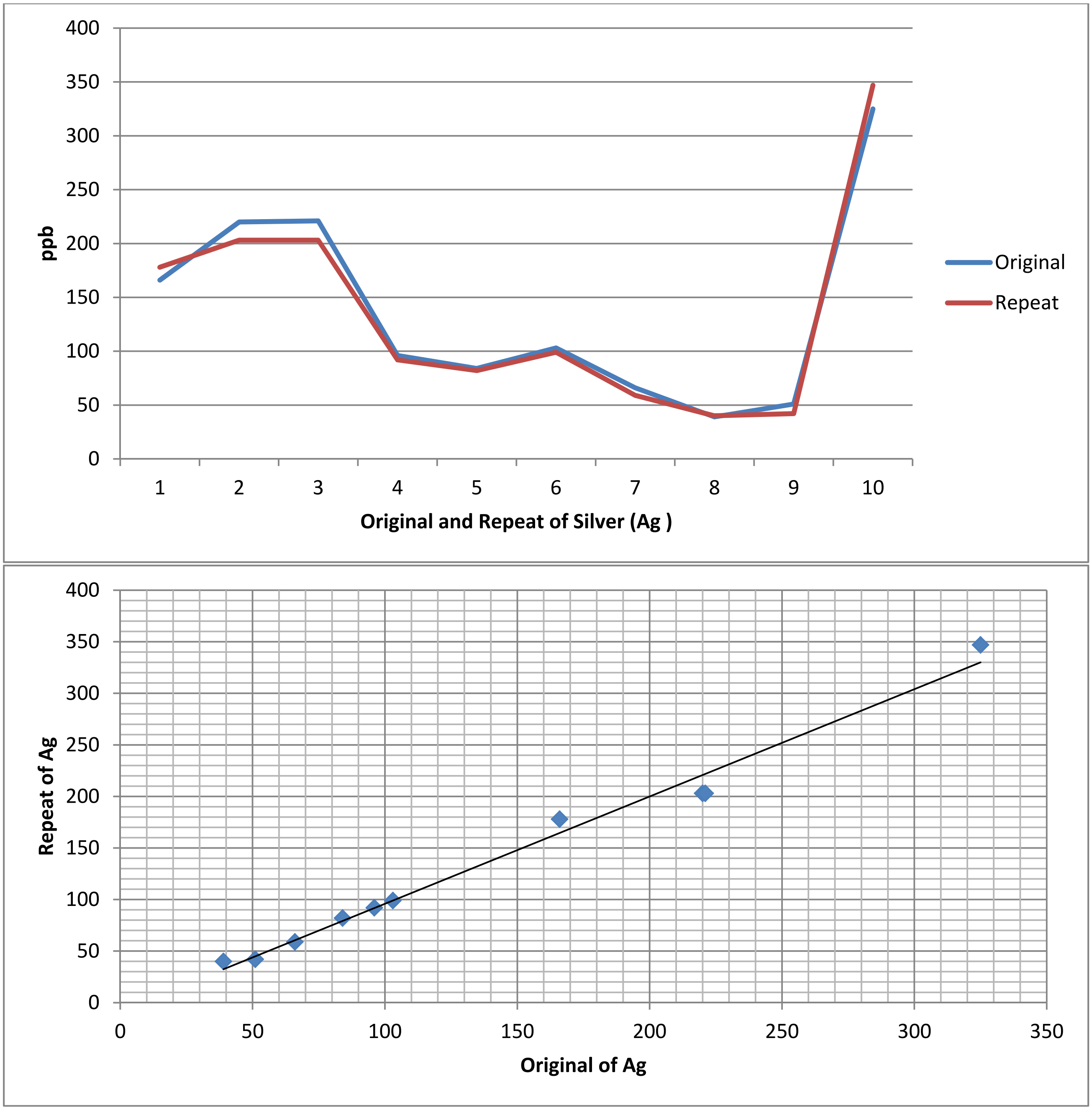


Fig. 21 a, b: Originals vs repeats for silver; correlation coefficient 0.99287

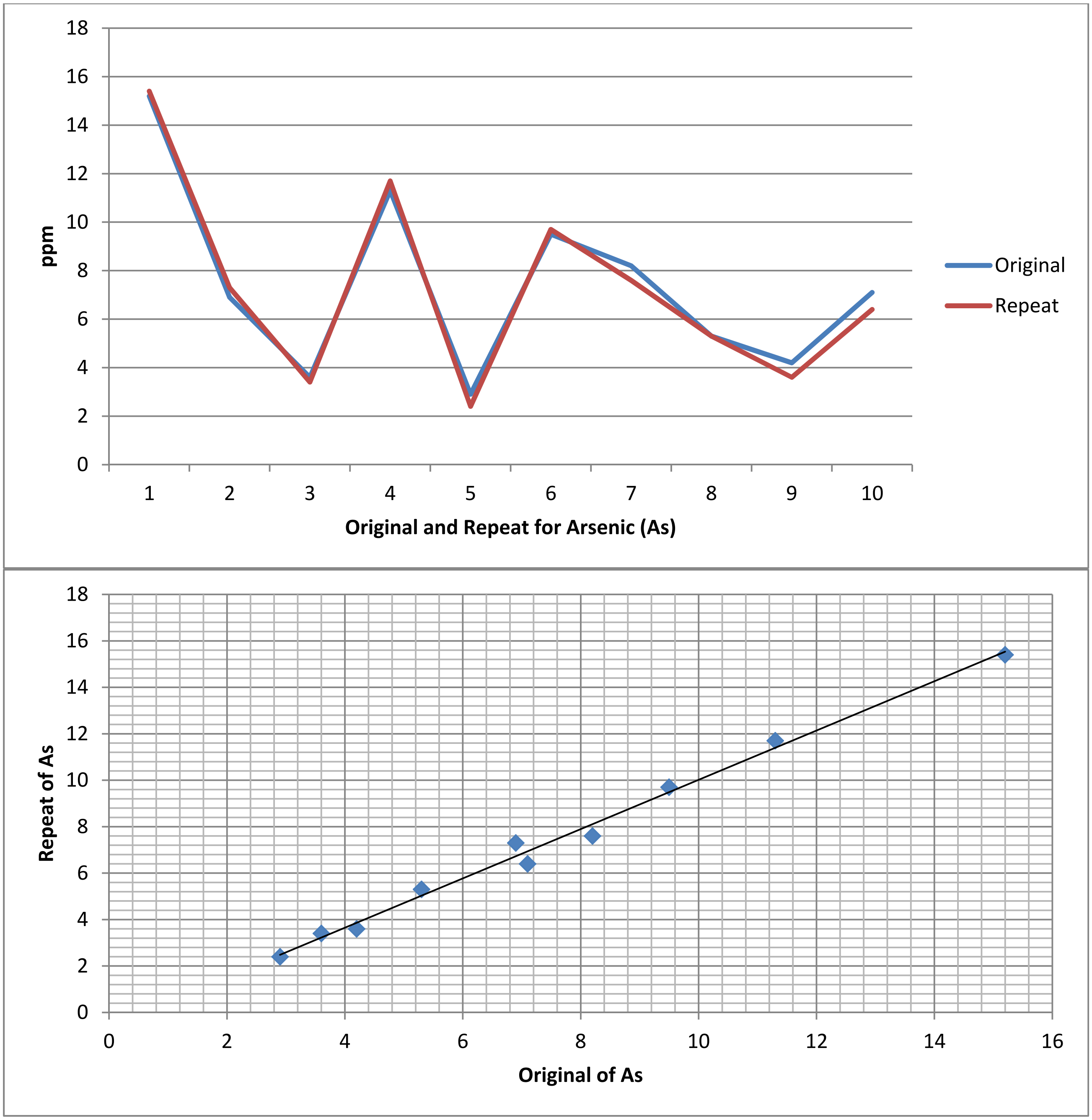


Fig. 22 a, b: Originals vs repeats for arsenic; correlation coefficient 0.995915

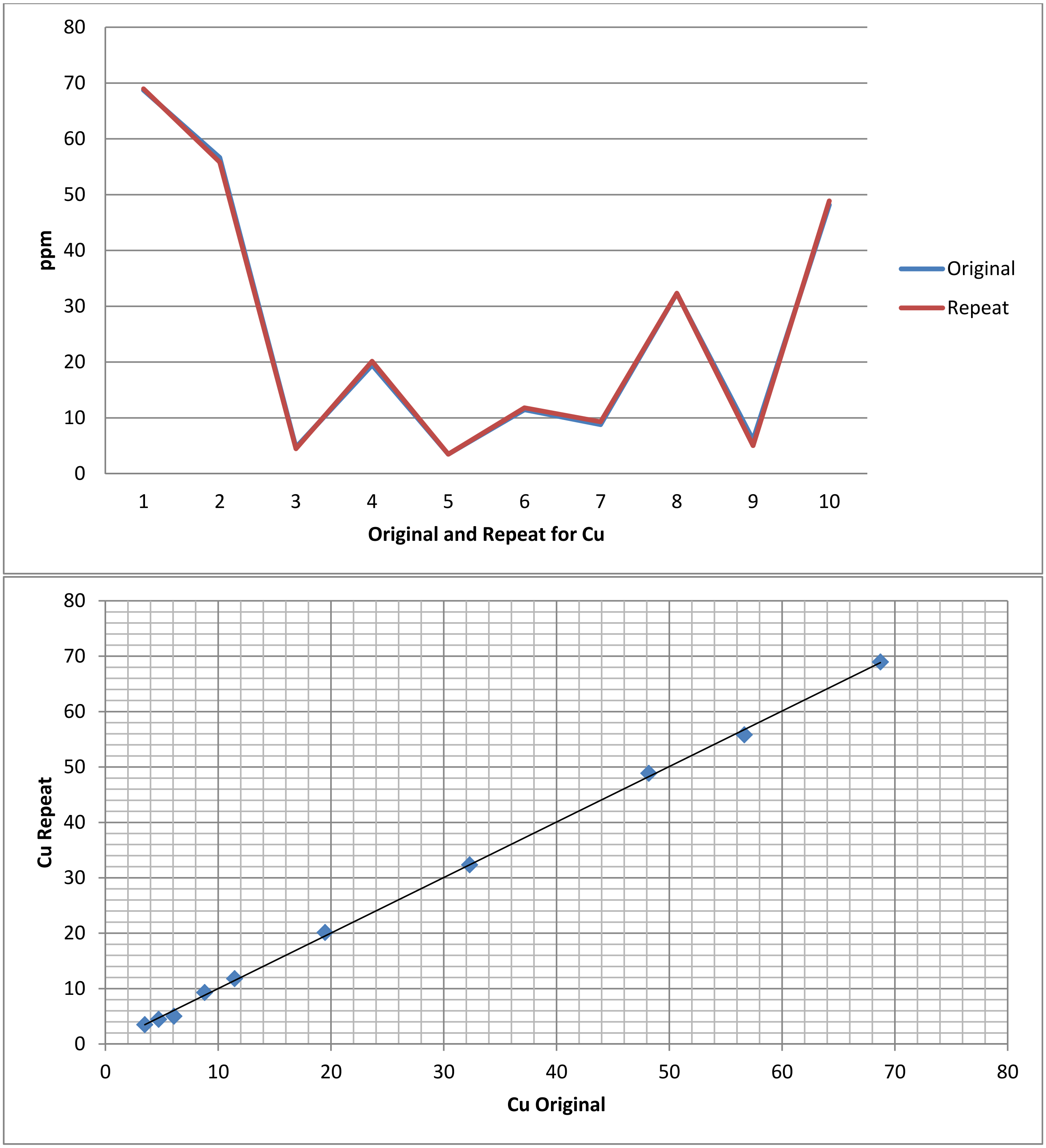
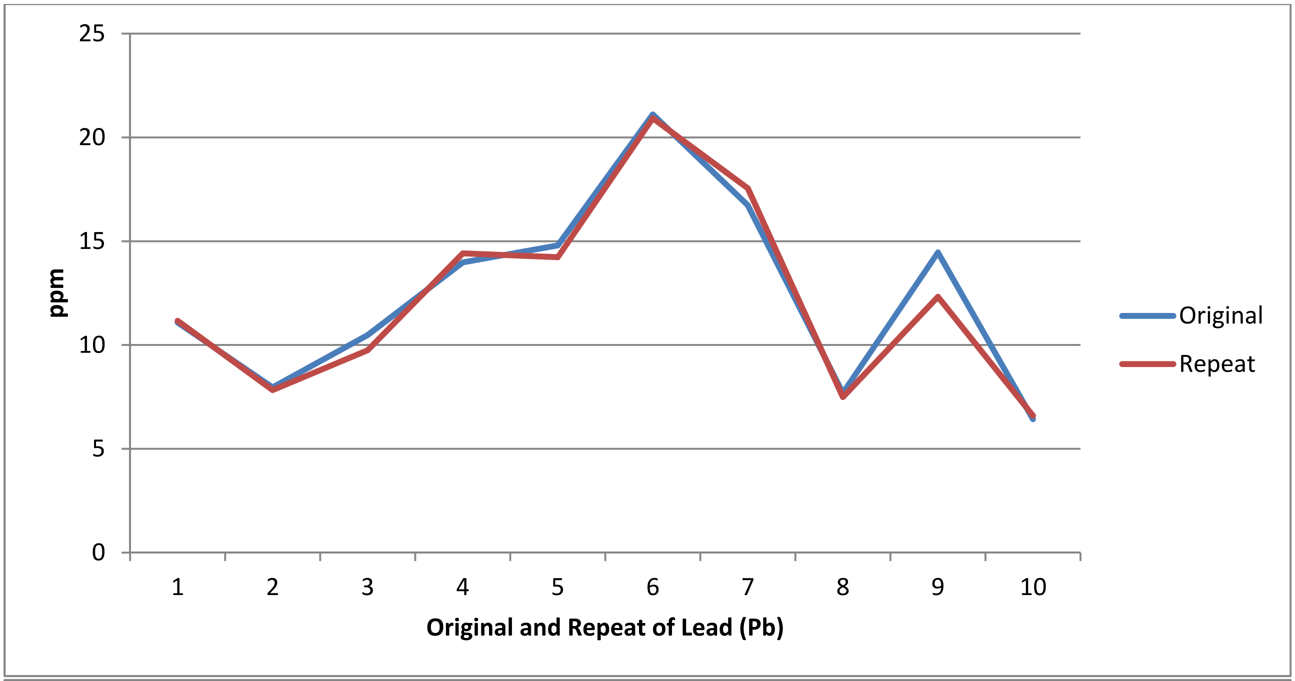


Fig. 23 a, b: Originals vs repeats for copper; correlation coefficient 0.999694



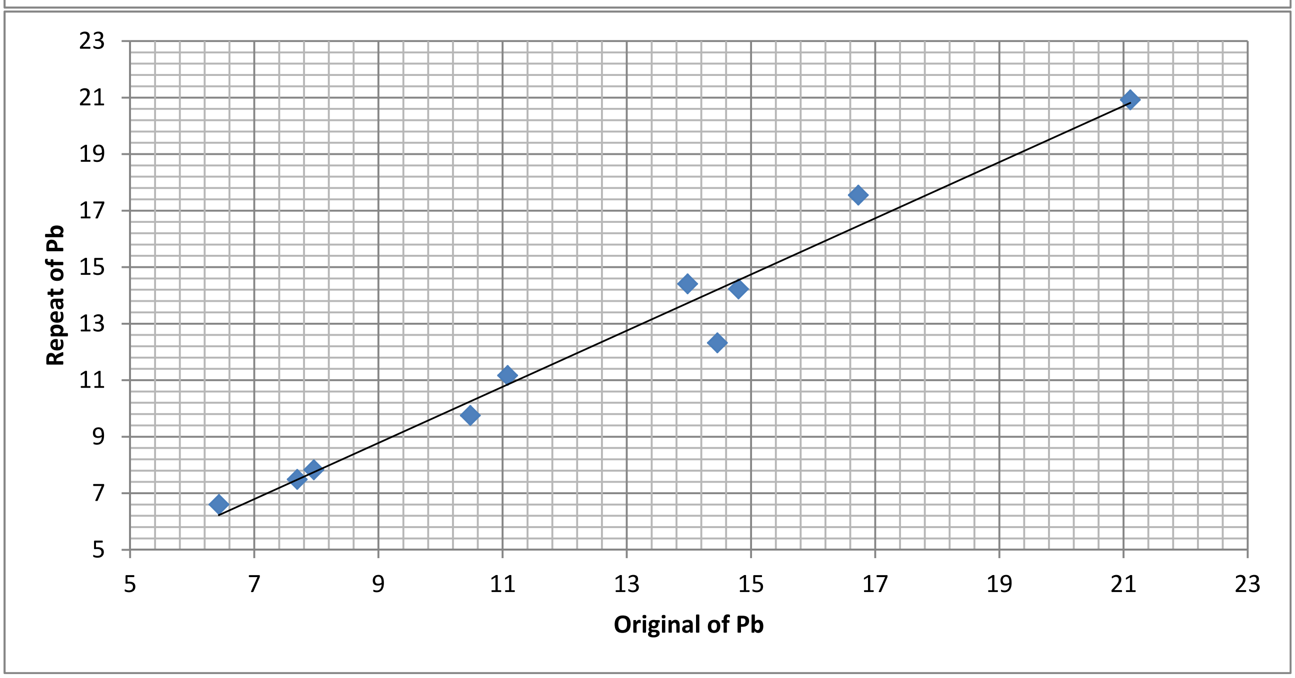


Fig. 24 a, b: Originals vs repeats for lead; correlation coefficient 0.984846

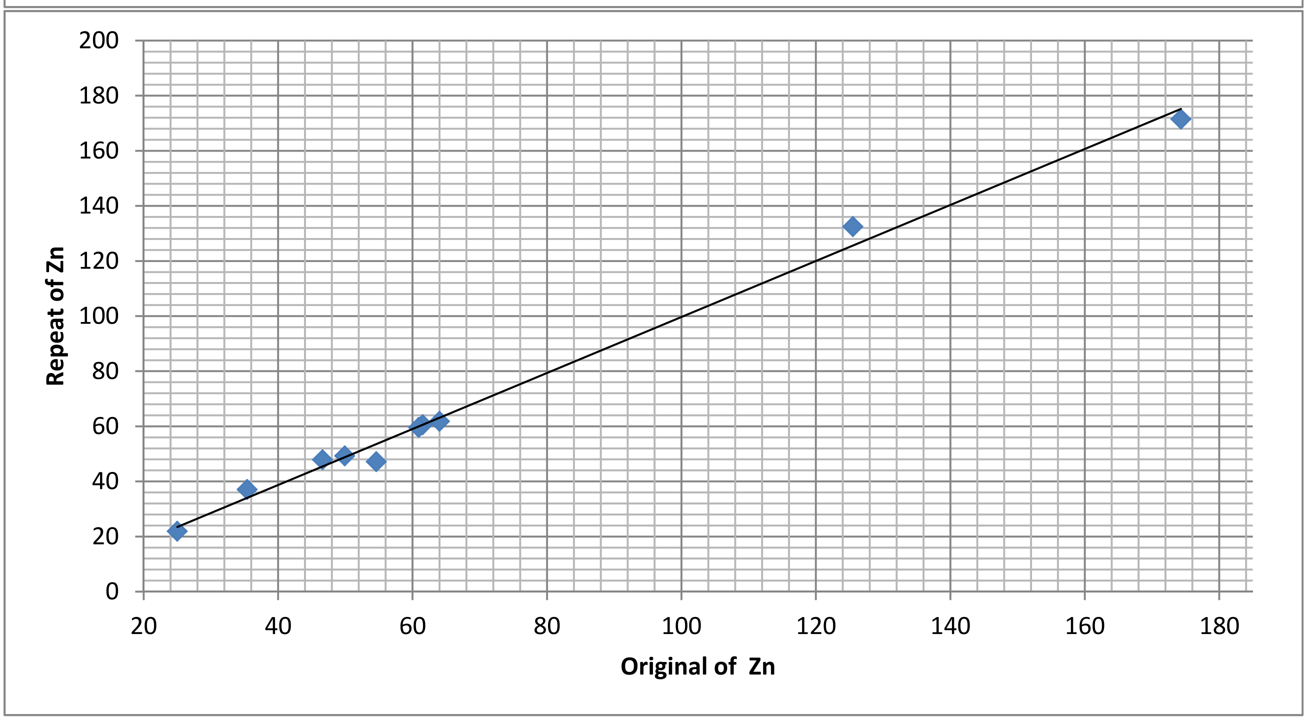
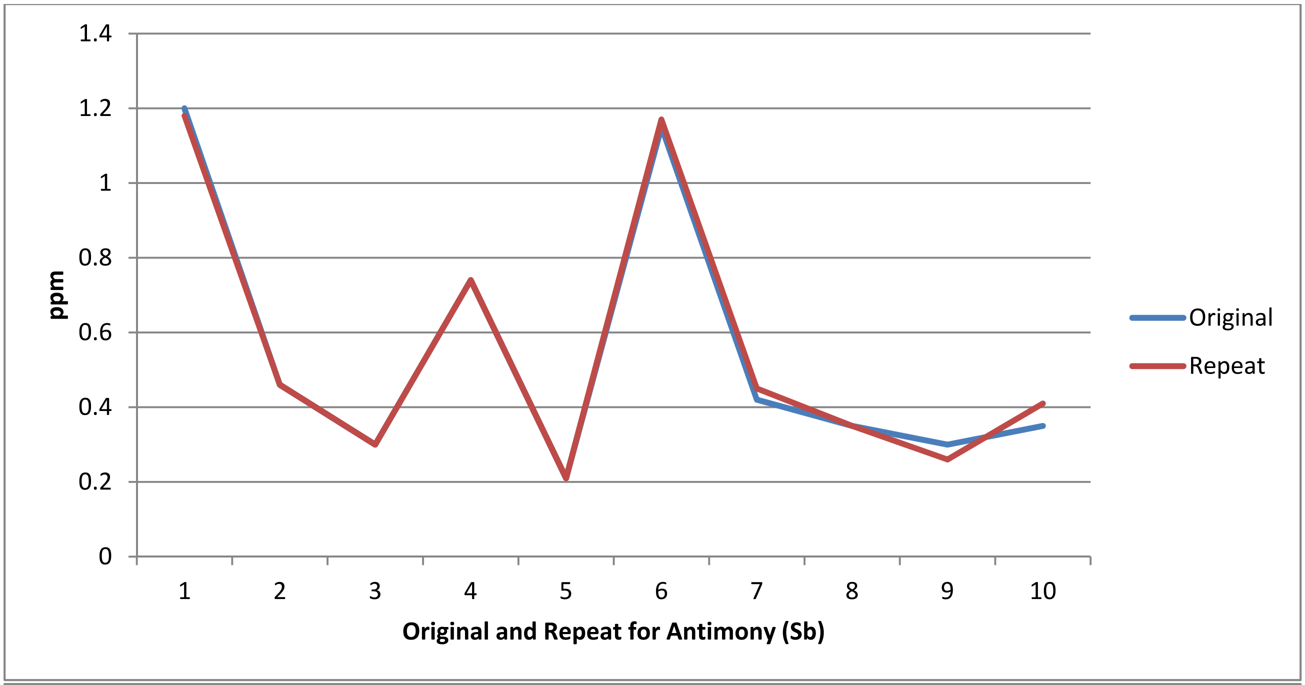


Fig. 25 a, b: Originals vs repeats for zinc: correlation coefficient 0.996843



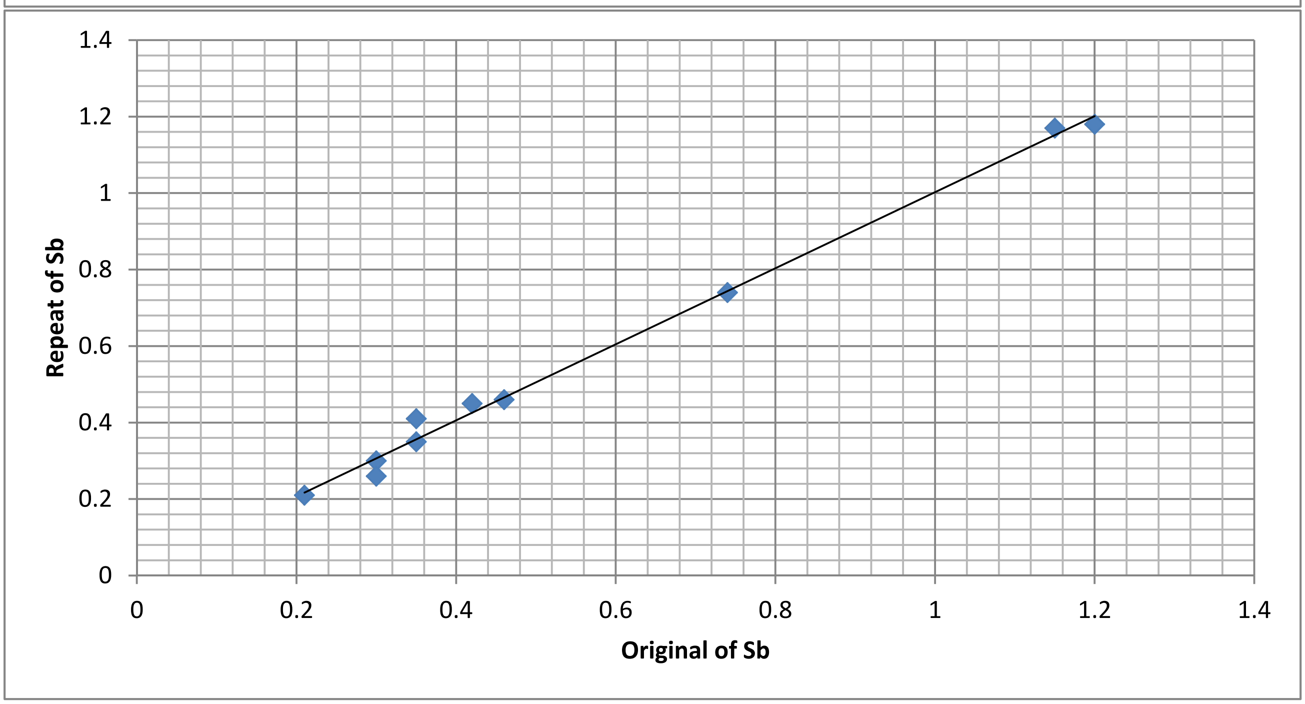


Fig. 26 a, b: Originals vs repeats for antimony; correlation coefficient 0.99714

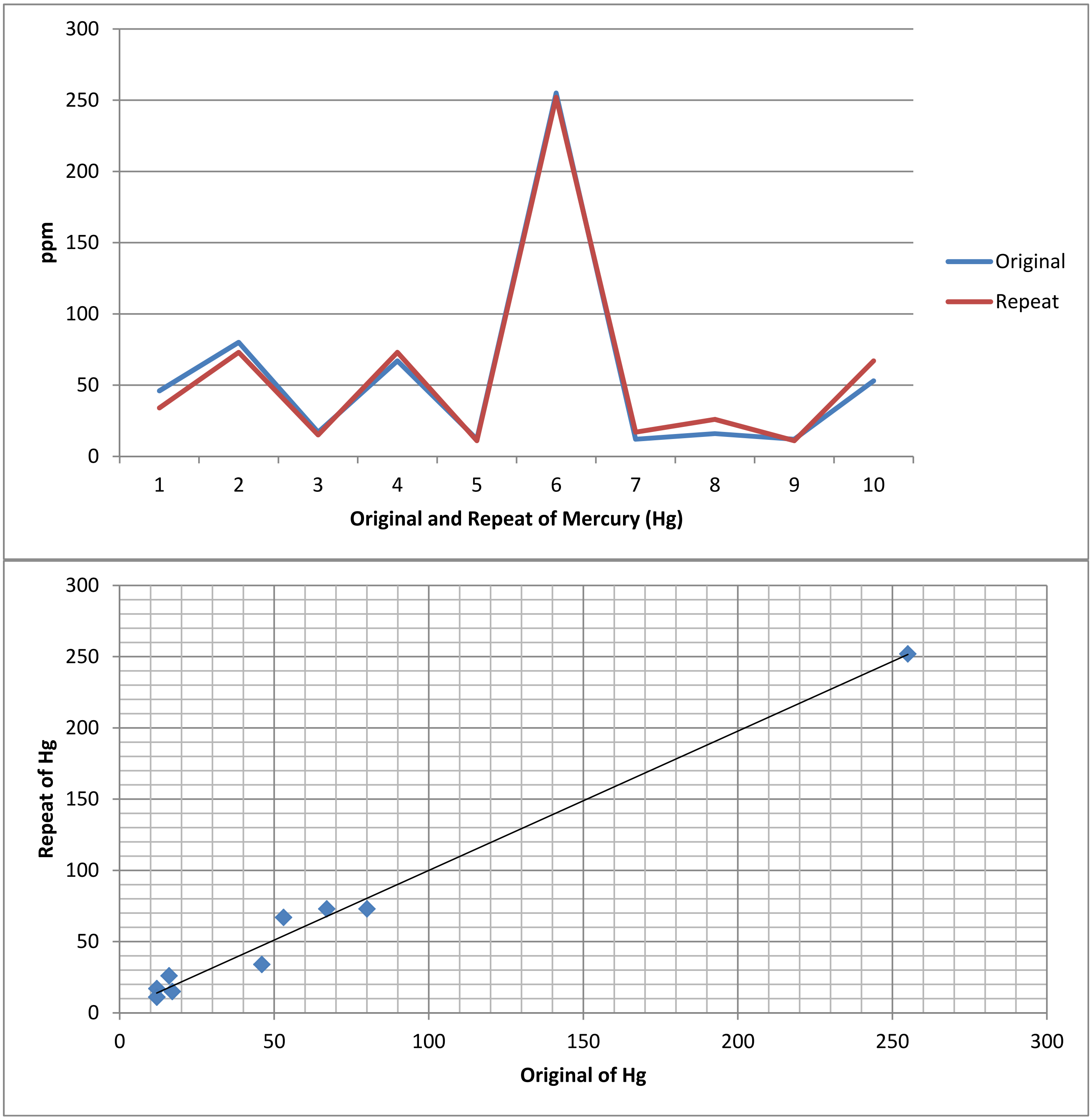
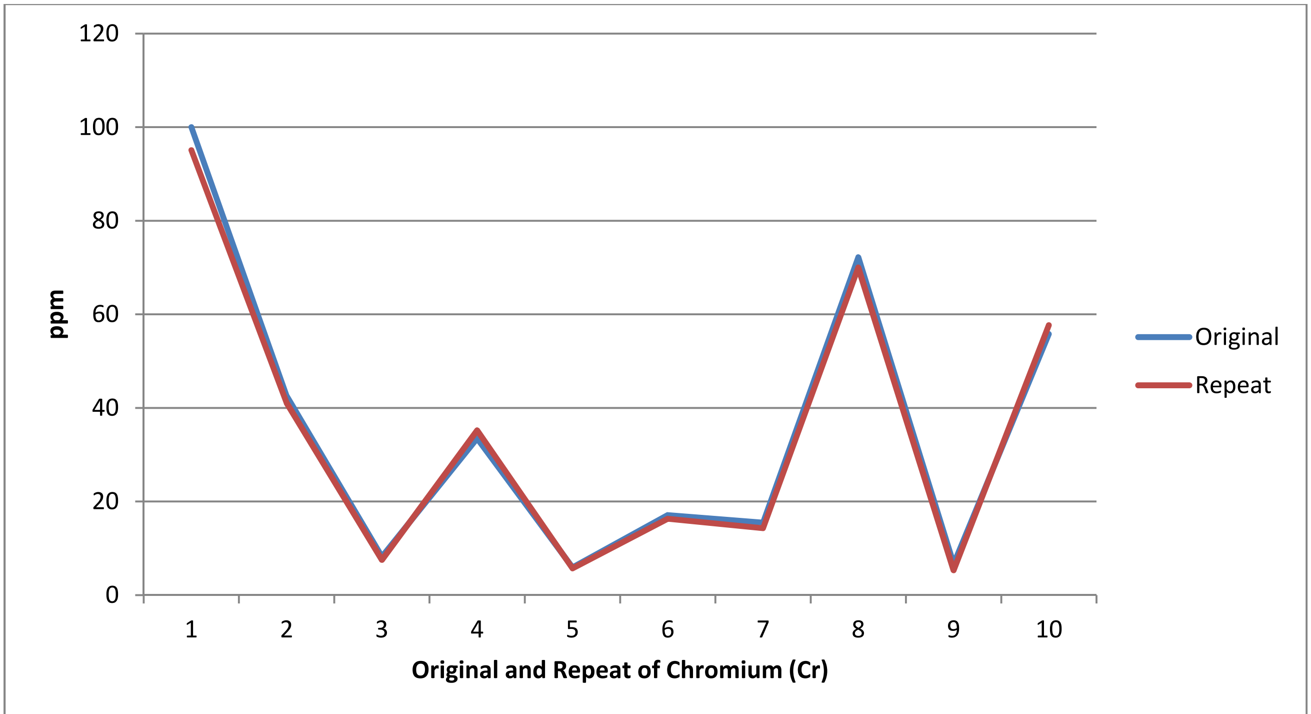


Fig. 27 a, b: Originals vs repeats for mercury; correlation coefficient 0.994398



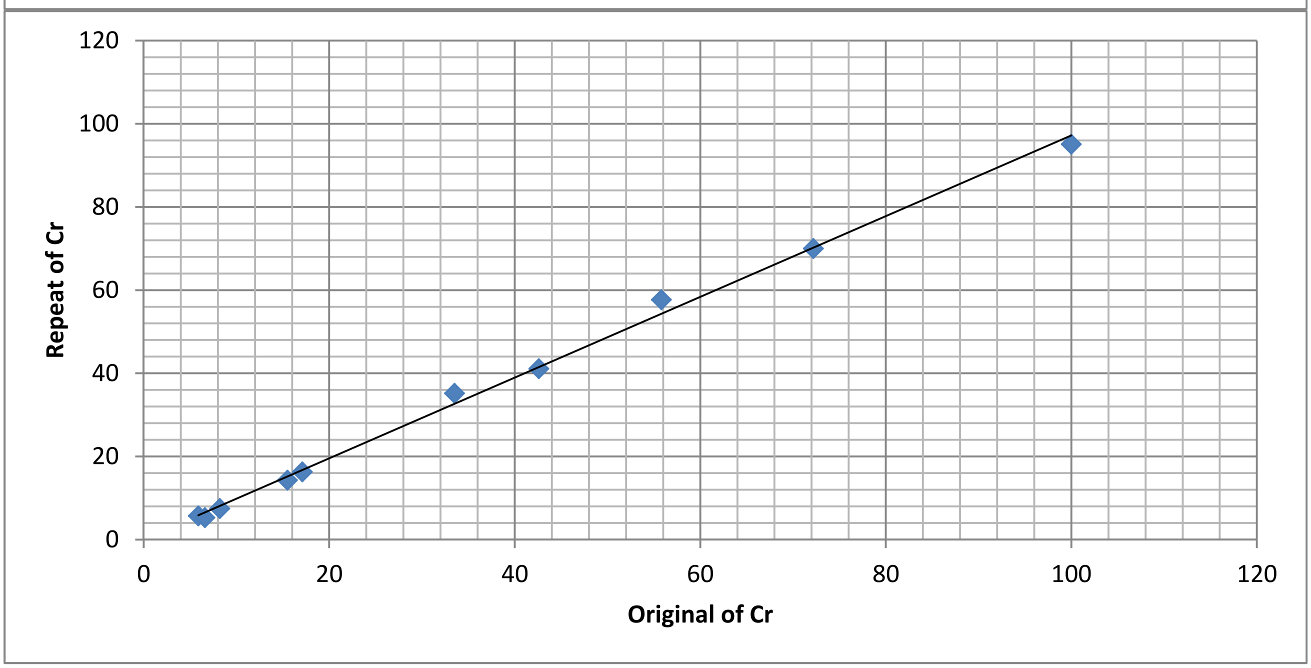


Fig. 28 a, b: Originals vs repeats for chromium; correlation coefficient 0.998524

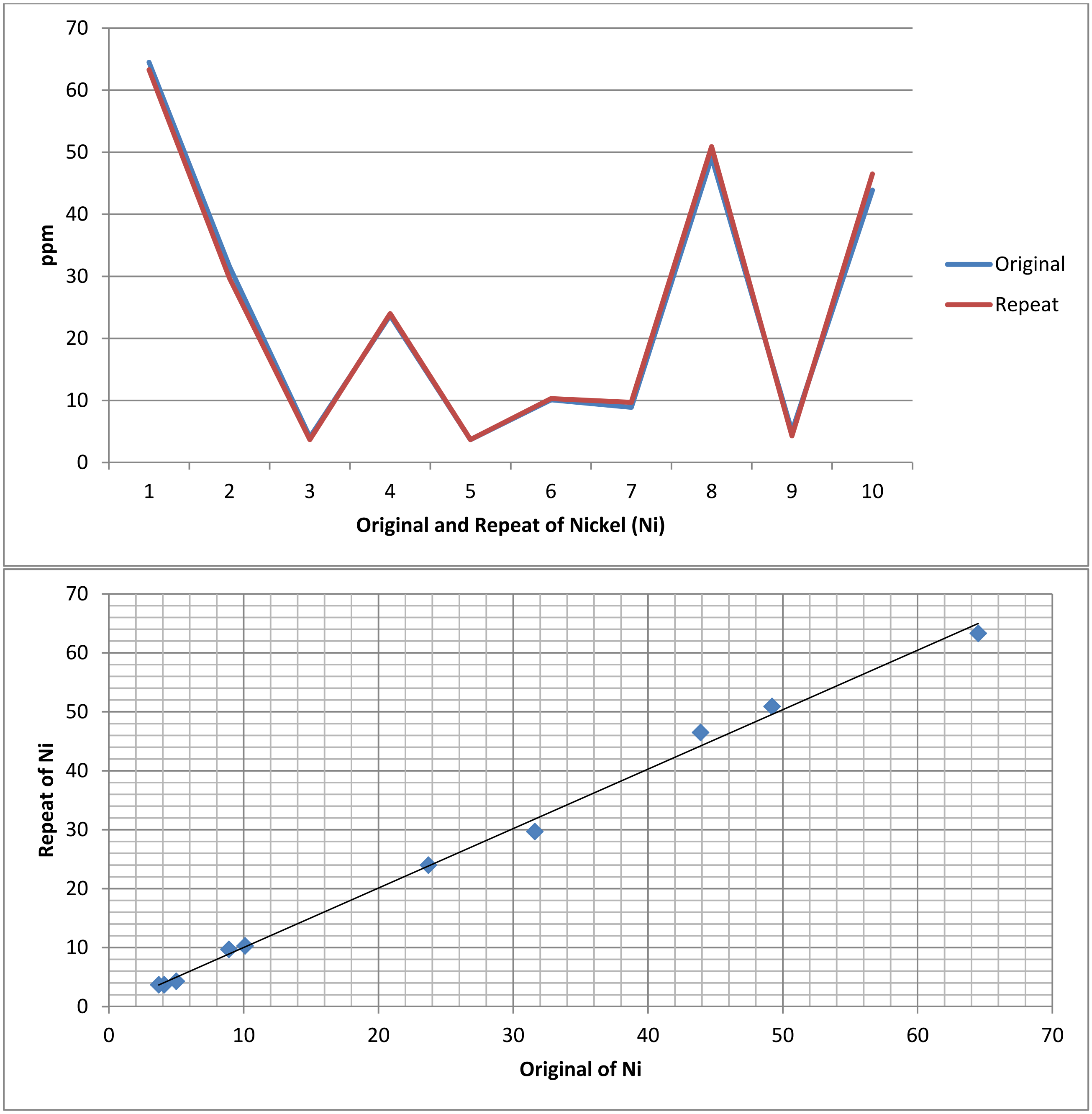
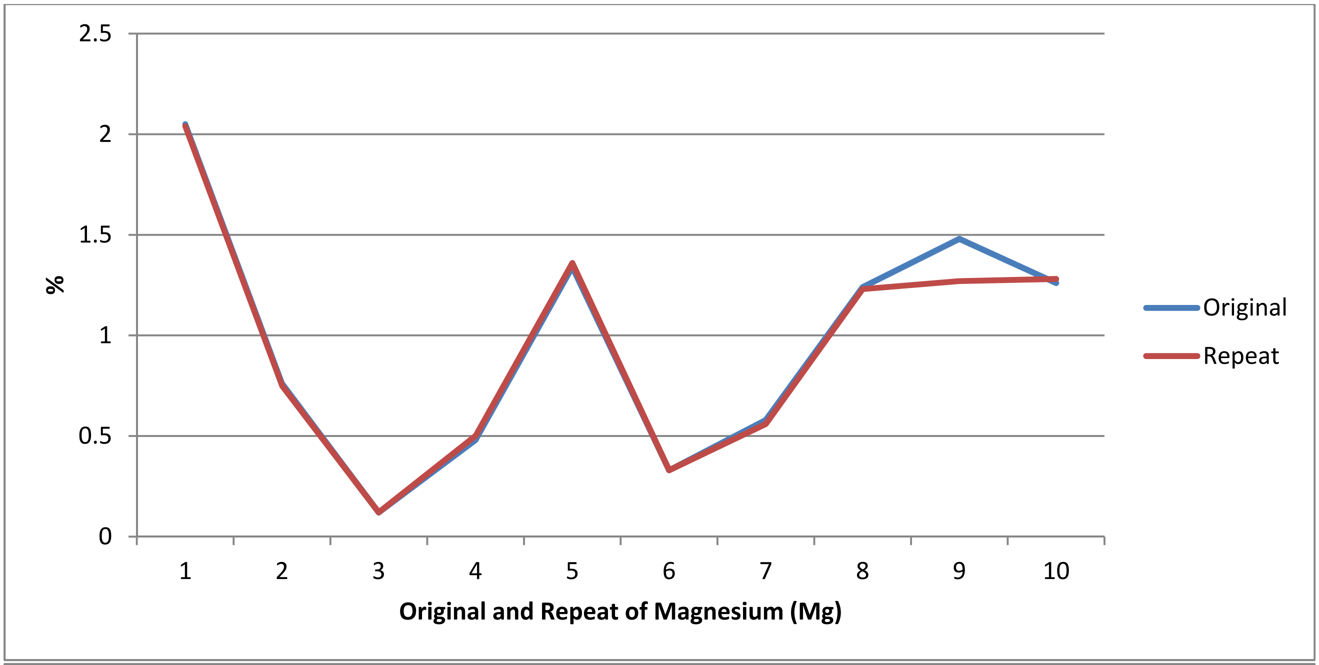


Fig. 29 a, b: Originals vs repeats for nickel: correlation coefficient 0.998228



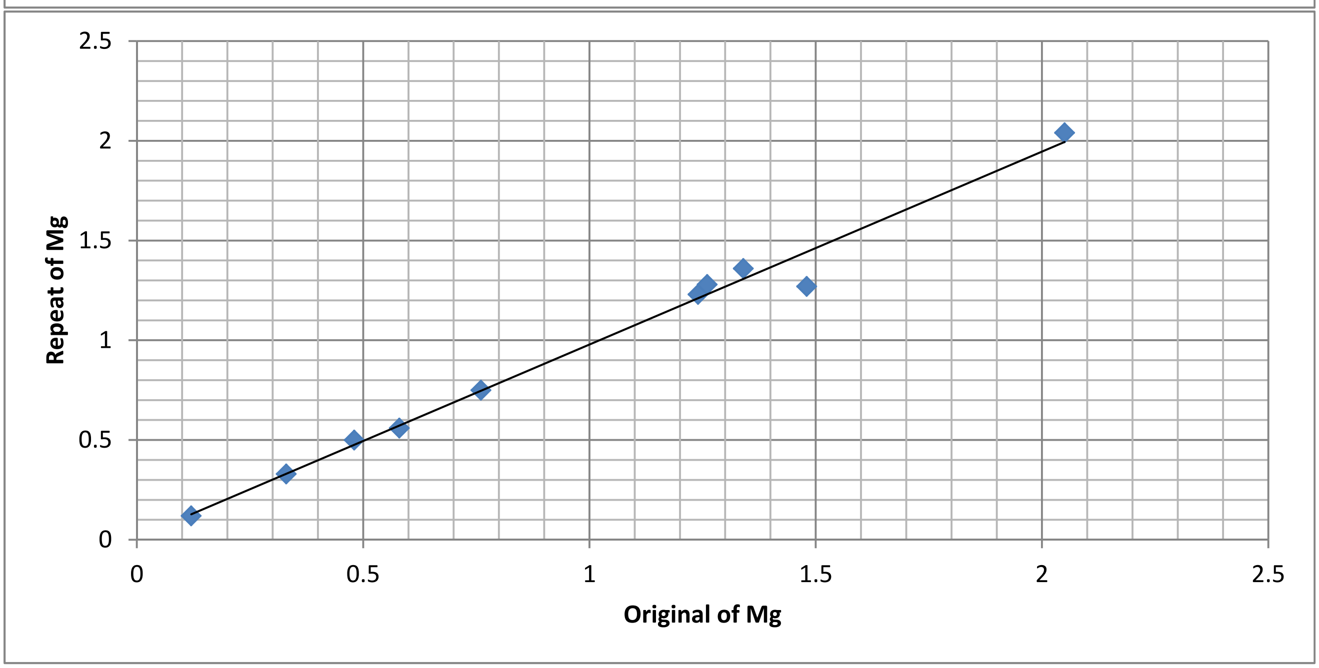


Fig. 30 a, b: Originals vs repeats for magnesium: correlation coefficient 0.993811

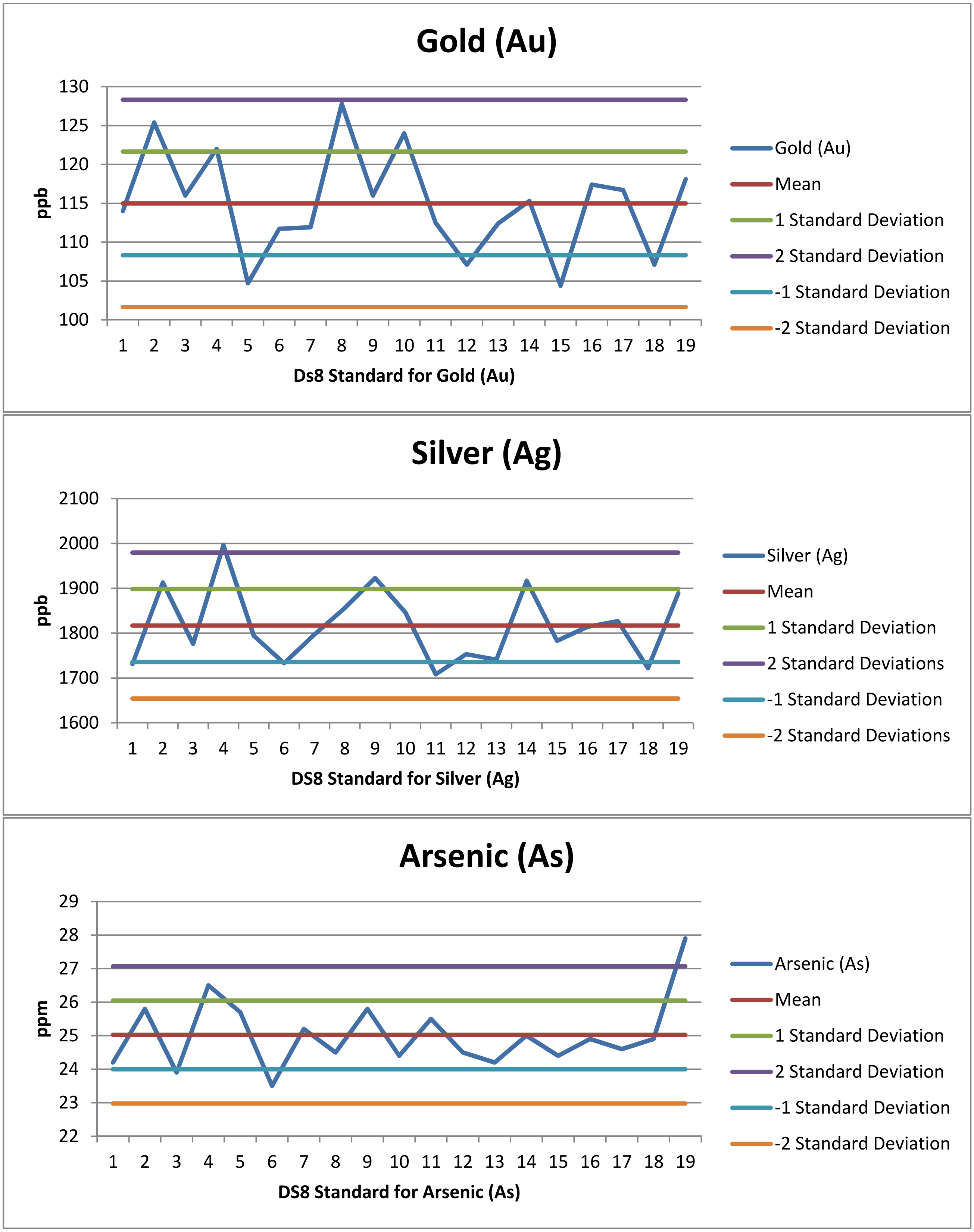


Fig. 31 a, b, c: DS8 Standard for gold, silver and arsenic

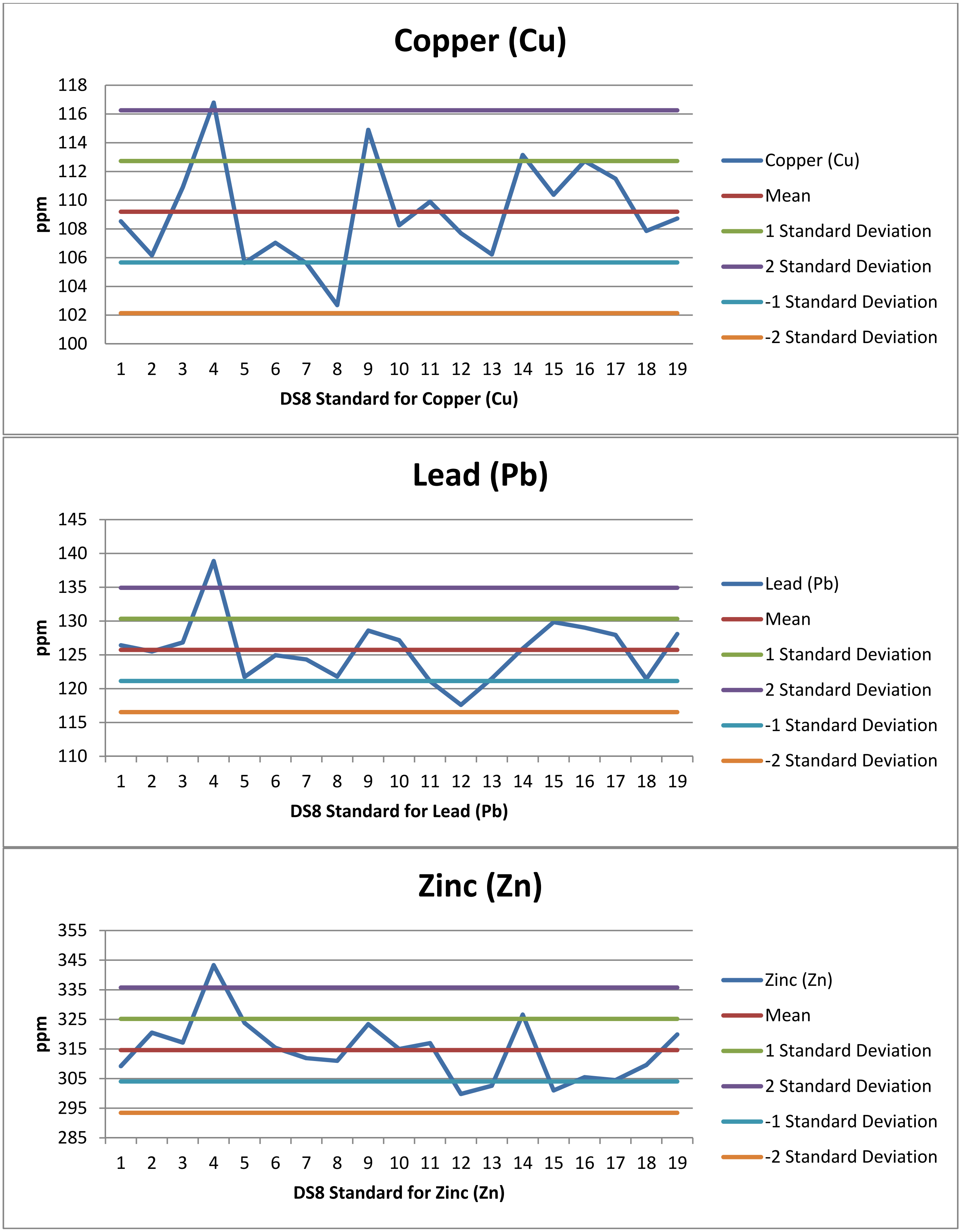


Fig. 32 a, b, c: DS8 standard for copper, lead and zinc

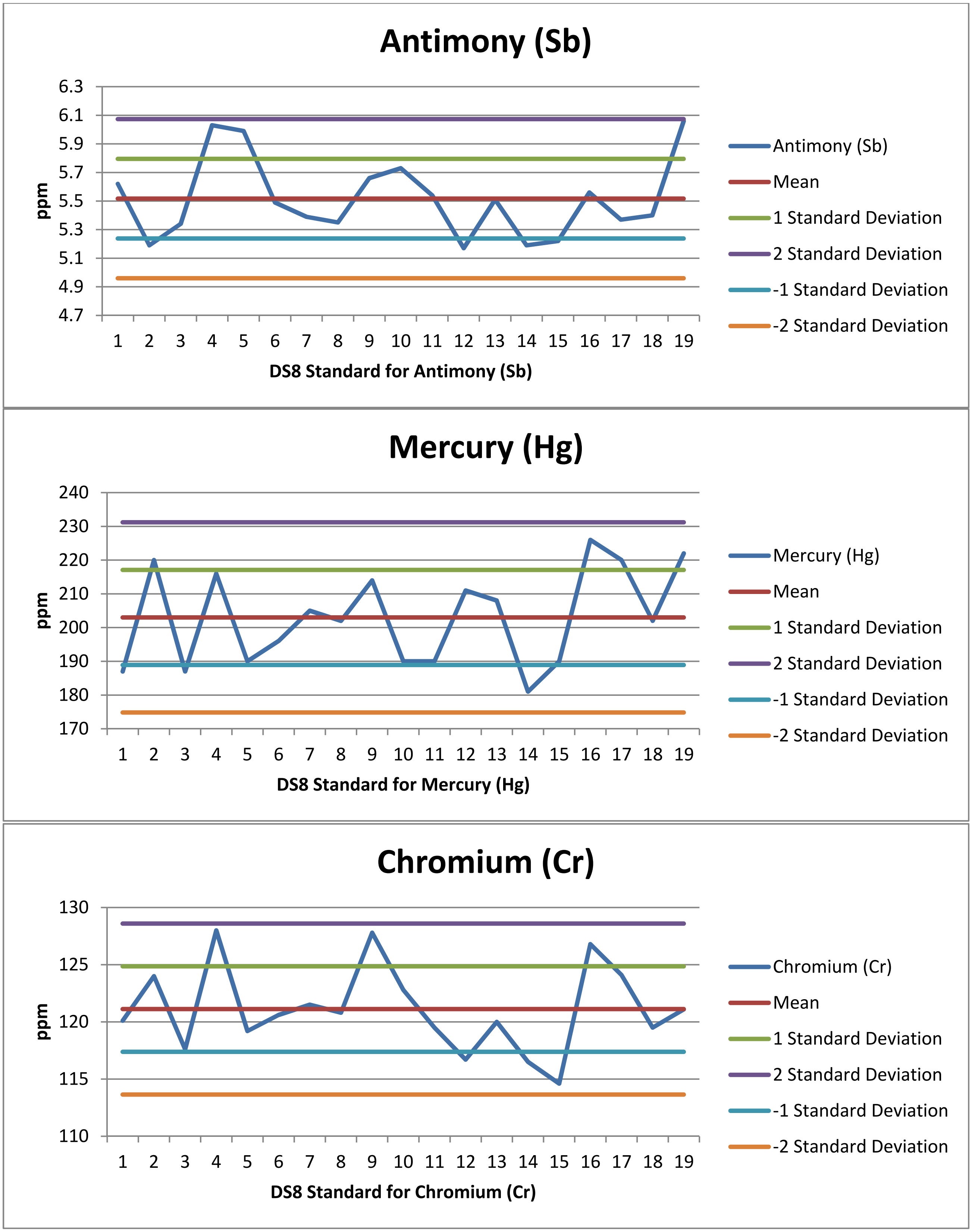
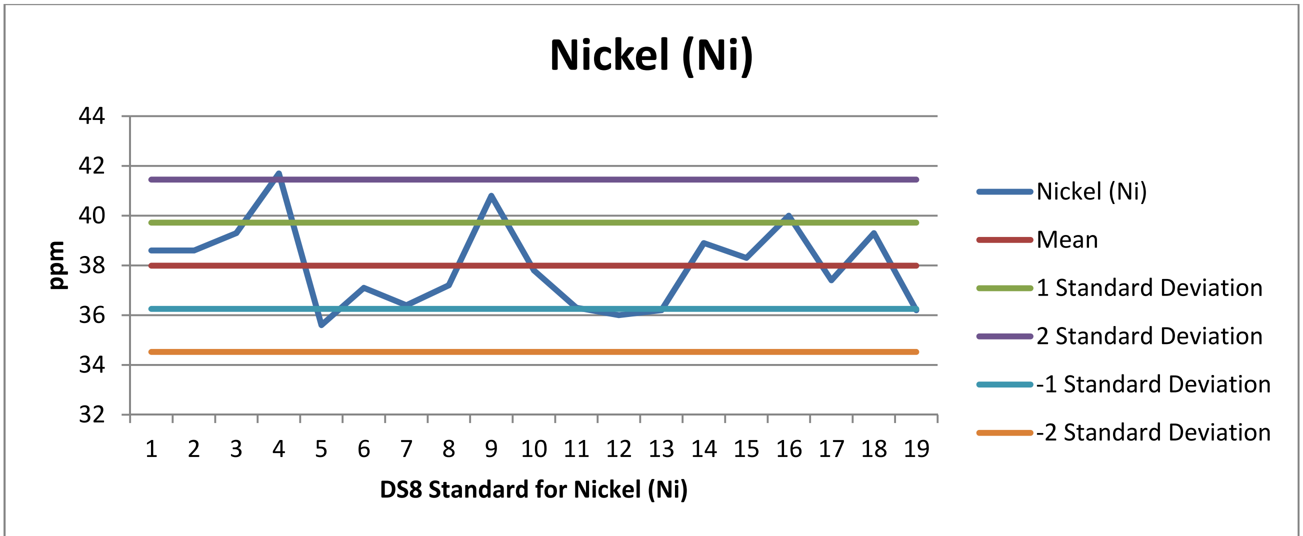


Fig. 33 a, b, c: DS8 standard for antimony, mercury and chromium



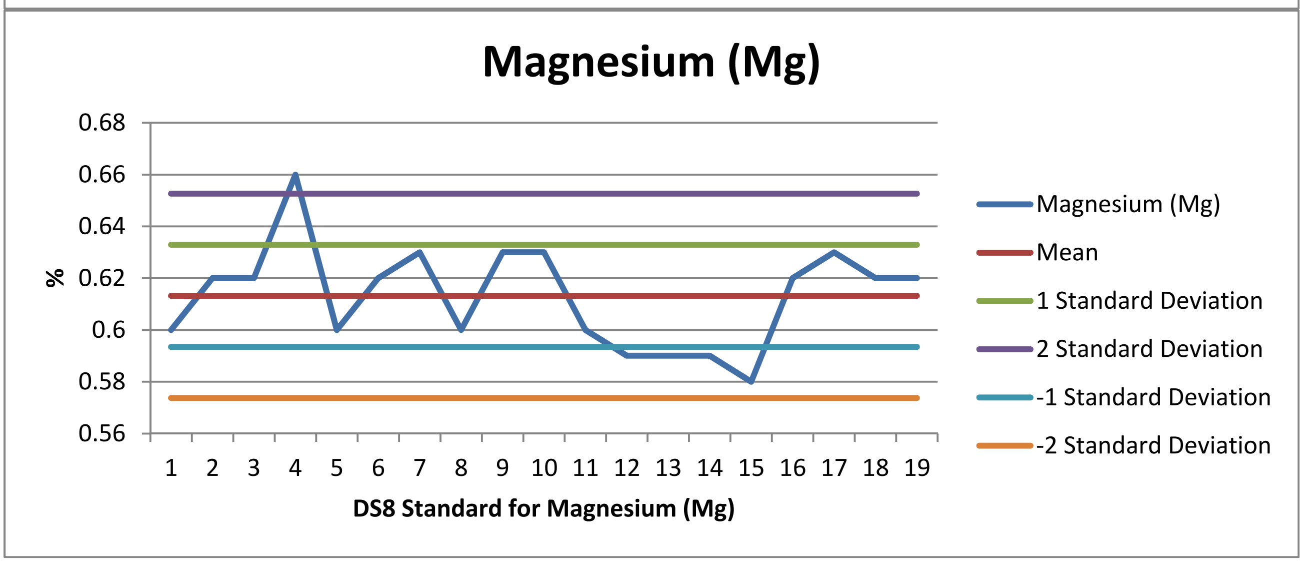


Fig. 34 a, b: DS8 standard for nickel and magnesium

and/or within ± 1 standard deviation, but a few (up to 8) assays for gold, antimony, mercury and chromium exceed ± 1 standard deviation and are within ± 2 standard deviations. DS8 standards for silver, arsenic, copper, lead, zinc, nickel and magnesium fall beyond + 2 standard deviations in one case for each. The blanks assayed along with the NSLY soil samples fall all below detection limit for each element.

In conclusion we can state that the accuracy of the assays made by AcmeLabs for this survey meet the industry standards for all elements but gold, which fails to meet the reproducibility criteria, probable due to nugget effect. If it can be proved that this is the case, an alternative homogenization method should be sought in the future to achieve a better reproducibility.

8. CONCLUSIONS AND RECOMMENDATIONS

The objectives of the 2011 soil geochemistry survey on the NSLY claims were to detect precious and/or base metals anomalies in the soil overlying Nasina Assemblage and Sulphur Creek Suite and their contacts and use them as guides for further work. The setting also appeared favourable for testing the gold formation model based on mafic/ultramafic (ophiolithic) rocks as the host rocks for gold mineralization.

Several isolated gold anomalies were detected within the survey grid, the most distinct being the one with maximum 12.4 ppb Au situated in the northern portion of the grid, within the domain of Sulphur Creek Suite. Three less distinct gold anomalies with maximum 7.6 ppb Au appear to follow the contact between Sulphur Creek Suite and Nasina Assemblage and some of the silver and arsenic anomalies also appear to follow this contact. The Nasina Assemblage appears to include a substantial proportion of mafic/ultramafic (ophiolite?) rocks as indicate the chromium – nickel – magnesium - iron group anomalies.

The soils overlying the Sulphur Creek Suite and Nasina Assemblage also differ in the mean contents of nearly all important ore-metallic and lithophile elements, as shown in Tables 4 to 9. While the Sulphur Creek Suite is relatively richer in silver, arsenic, copper, zinc, mercury, iron chromium, nickel and magnesium, the Nasina Assemblage is richer in lead. In the Sulphur Creek Suite gold weakly correlates with arsenic, antimony, copper, iron, chromium and nickel, while in the Nasina Assemblage gold weakly correlates with the lead, antimony and mercury. The strongest positive correlations within the Sulphur Creek Suite exist between the chromium – nickel - iron group, between arsenic and iron, between copper and zinc - iron - chromium - nickel and between zinc and chromium - nickel. In the Nasina Assemblage the strongest positive correlations are between chromium - nickel and between iron – magnesium. All other correlations can be classified as medium to weakly positive.

Spatial and statistical relationships between the pairs chromium – nickel and magnesium - iron indicate the extent of the mafic/ultramafic (MUM) rocks within the Nasina Assemblage. Since the MUM rocks are not shown on the geological map in Fig. 2 we presume that this is not only because of lack of exposure, but also because of absence of their magnetism, which would make them "visible" through magnetic surveys. The alteration processes however can remove magnetism from the rocks and in the extreme cases the remanent magnetism is also lost causing such rocks to become undetectable unless by the geochemical methods. This appears to be the case at the NSLY claims, where the MUM rocks underlie an area of several hundred meters, large enough for plotting into the map at 1:50,000 scale.

Three low-grade gold anomalies appear to follow the contact between Nasina Assemblage and Sulphur Creek Suite, a contact which may represent a mineralized shear and/or alteration zone. Topography also supports such assumption (Figs. 8, 9). A closer look at the geochemical relationships within the NSLY claim area however also indicates a presence of epithermal, polymetallic silver - lead and copper – zinc associations ± arsenic, ± gold, ± Hg, ± Sb. Similar associations were recently detected in the Goring Creek area within the Leota Claim Block (Molak, 2012 b). This style of low-temperature association would be superimposed on the earlier, higher temperature mineralization.

Ash (2010) observed erosional remnants of the ophiolitic rocks that are locally preserved on the higher ground as isolated klippen and Ash and Doherty (2006) reported that the 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.

Chapman et al (2010) reported that the contents of silver and mercury increase with the distance from the centre and are probably the result of decreased thermality. This appears to be compliant with the situation at the NSLY claims area, but much more work is needed to arrive at a genetic model, which reasonably well explains the origin of the precious and base metal mineralizations in the area under study.

Gold anomaly in the northern part of the NSLY claim block and the gold – silver anomalies that follow the contact between Nasina Assemblage and Sulphur Creek Suite are recommended for further testing. Additional, fill-in, north – south running lines should be run on both sides of the former anomaly and across the contact between the two units to better determine their extents. Any outcrops encountered in the area should be sampled and logged and contingent on the results, a trenching program would be designed to test detected anomalies.

9. 2011 EXPLORATION EXPENSES

Geologist (12 days @ $ 600)	7200.00
Assistants (2 x 13 days @ $ 300)	7800.00
Truck (Mileage, gas, oil)	1688.00
Accommodation, food	2600.00
Mob/demob	1000.00
Assays (204 samples)	6120.00
Digitization, report	4000.00
HST 12%	3648.96
Total:	**34056.96**

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11. 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 2003 until present I am a self-employed geo-scientist.

6. I personally supervised the soil survey on the NSLY claims from September 30 to October 11, 2011.

7. I am responsible for all items but item 2011 Exploration Expenses 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.

B. Molak

PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
Dr. B. B. MOLAK
#28600

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

APPENDIX I

NSLY Claims, 2011 Soil Geochemical Survey, Sample Information

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Nad 83 Zone 7N

NSLY Claims, Soil Sample Coordinates

	Line 1			Line 2			Line 3			Line 4			Line 5			Line 6	
#	Easting	Northing	#	Easting	Northing	#	Easting	Northing	#	Easting	Northing	#	Easting	Northing	#	Easting	Northing
948	573600	7082825	985	573500	7082850	1022	573400	7082850	1060	573300	7082875	1420	573800	7082800	1390	573700	7082800
949	573600	7082850	986	573500	7082875	1023	573400	7082875	1061	573300	7082900	1421	573800	7082825	1391	573700	7082825
950	573600	7082875	987	573500	7082900	1024	573400	7082900	1062	573300	7082925	1422	573800	7082850	1392	573700	7082850
951	573600	7082900	988	573500	7082925	1025	573400	7082925	1063	573300	7082950	1423	573800	7082875	1393	573700	7082875
952	573600	7082925	989	573500	7082950	1026	573400	7082950	1064	573300	7082975	1424	573800	7082900	1394	573700	7082900
953	573600	7082950	990	573500	7082975	1027	573400	7082975	1065	573300	7083000	1425	573800	7082925	1395	573700	7082925
954	573600	7082975	991	573500	7083000	1028	573400	7083000	1066	573300	7083025	1426	573800	7082950	1396	573700	7082950
955	573600	7083000	992	573500	7083025	1029	573400	7083025	1067	573300	7083050	1427	573800	7082975	1397	573700	7082975
956	573600	7083025	993	573500	7083050	1030	573400	7083050	1068	573300	7083075	1428	573800	7083000	1398	573700	7083000
957	573600	7083050	994	573500	7083075	1031	573400	7083075	1069	573300	7083100	1429	573800	7083025	1399	573700	7083025
958	573600	7083075	995	573500	7083100	1032	573400	7083100	1070	573300	7083125	1430	573800	7083050	1400	573700	7083050
959	573600	7083100	996	573500	7083125	1033	573400	7083125	1071	573300	7083150	1431	573800	7083075	1401	573700	7083075
960	573600	7083125	997	573500	7083150	1034	573400	7083150	1072	573300	7083175	1432	573800	7083100	1402	573700	7083100
961	573600	7083150	998	573500	7083175	1035	573400	7083175	1073	573300	7083200	1433	573800	7083125	1403	573700	7083125
962	573600	7083175	999	573500	7083200	1036	573400	7083200	1074	573300	7083225	1434	573800	7083150	1404	573700	7083150
963	573600	7083200	1000	573500	7083225	1037	573400	7083225	1075	573300	7083250	1435	573800	7083175	1405	573700	7083175
964	573600	7083225	1001	573500	7083250	1038	573400	7083250	1076	573300	7083275	1436	573800	7083200	1406	573700	7083200
965	573600	7083250	1002	573500	7083275	1039	573400	7083275	1077	573300	7083300	1437	573800	7083225	1407	573700	7083225
966	573600	7083275	1003	573500	7083300	1040	573400	7083300	1078	573300	7083325	1438	573800	7083250	1408	573700	7083250
967	573600	7083300	1004	573500	7083325	1041	573400	7083325	1079	573300	7083350	1439	573800	7083275	1409	573700	7083275
968	573600	7083325	1005	573500	7083350	1042	573400	7083350	1080	573300	7083375	1440	573800	7083300	1410	573700	7083300
969	573600	7083350	1006	573500	7083375	1043	573400	7083375	1081	573300	7083400	1441	573800	7083325	1411	573700	7083325
970	573600	7083375	1007	573500	7083400	1044	573400	7083400	1082	573300	7083425	1442	573800	7083350	1412	573700	7083350
971	573600	7083400	1008	573500	7083425	1045	573400	7083425	1083	573300	7083450	1443	573800	7083375	1413	573700	7083375
972	573600	7083425	1009	573500	7083450	1046	573400	7083450	1084	573300	7083475	1444	573800	7083400	1414	573700	7083400
973	573600	7083450	1010	573500	7083475	1047	573400	7083475	1085	573300	7083500	1445	573800	7083425	1415	573700	7083425
974	573600	7083475	1011	573500	7083500	1048	573400	7083500	1086	573300	7083525	1446	573800	7083450	1416	573700	7083450
975	573600	7083500	1012	573500	7083525	1049	573400	7083525	1087	573300	7083550	1447	573800	7083475	1417	573700	7083475
976	573600	7083525	1013	573500	7083550	1050	573400	7083550	1088	573300	7083575	1448	573800	7083500	1418	573700	7083500
977	573600	7083550	1014	573500	7083575	1051	573400	7083575	1089	573300	7083600	1449	573800	7083525	1419	573700	7083525
978	573600	7083575	1015	573500	7083600	1052	573400	7083600	1090	573300	7083625						
979	573600	7083600	1016	573500	7083625	1053	573400	7083625	1091	573300	7083650						
980	573600	7083625	1017	573500	7083650	1054	573400	7083650	1092	573300	7083675						

981	573600	7083650	1018	573500	7083675	1055	573400	7083675	1093	573300	7083700
982	573600	7083675	1019	573500	7083700	1056	573400	7083700	1094	573300	7083725
983	573600	7083700	1020	573500	7083725	1057	573400	7083725	1095	573300	7083750
984	573600	7083725	1021	573500	7083750	1058	573400	7083750	1096	573300	7083775
						1059	573400	7083775			

Note: *Italic font – Nasina Assemblage*, upright font – Sulphur Creek Suite; grey color – sample not taken or lost.

APPENDIX II

Nad 83 Zone 7N

NSLY Claims, Rock Sample Descriptions and Coordinates

Sample #	Description	Easting	Northing	Au (ppb)
1035853	NSLY claims, sub-crop: sheared mica/sericite schist, ± carbonate, brown "sinter" of tiny quartz crystals	573620	7083222	7.5
1035861	NSLY claims, float: quartz, feldspar (carb.?), sericite bands, Fe oxide specks & infiltr., an unknown black mineral	573797	7083325	7.6
1035862	NSLY claims, sub-crop: sheared mica/sericite, chlorite (biotite?) schist, quartz lenses on foliation, vugs with Fe-oxide	573796	7083217	1.2

APPENDIX III

Assay Certificates

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

www.acmelab.com

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

Submitted By:	Dwayne Kress
Receiving Lab:	Canada-Dawson City
Received:	October 03, 2011
Report Date:	March 29, 2012
Page:	1 of 10

CERTIFICATE OF ANALYSIS DAW11000502.1

CLIENT JOB INFORMATION

Project:	Claims: Leota-ANO,-KS; NSLY
Shipment ID:	NA
P.O. Number	NA
Number of Samples:	255

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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	251	Dry at 60C			VAN
SS80	251	Dry at 60C sieve 100g to -80 mesh			VAN
1F03	249	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Bohumil (Boris) Molak

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. 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.

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

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

Submitted By: Dwayne Kress
Receiving Lab: Canada-Whitehorse
Received: October 16, 2011
Report Date: March 29, 2012
Page: 1 of 12

CERTIFICATE OF ANALYSIS WHI11001907.1

CLIENT JOB INFORMATION

Project: Allgold, Hunker Summit, LKDM
Shipment ID:
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
1F03	317	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Bohumil (Boris) Molak

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

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

www.acmelab.com

Client:	**Northern Dancer** PO Box 2662 Garibaldi Highlands BC V0N1T0 Canada
Submitted By:	Dwayne Kress
Receiving Lab:	Canada-Whitehorse
Received:	October 16, 2011
Report Date:	March 29, 2012
Page:	1 of 3

CERTIFICATE OF ANALYSIS WHI11001788.1

CLIENT JOB INFORMATION

Project:	Gor and Ano
Shipment ID:	
P.O. Number	
Number of Samples:	52

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-1000	52	Crush, split and pulverize 1kg of sample to 200 mesh			VAN
1F06	52	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Bohumil (Boris) Molak

#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au
948	0.7	42.76	7.55	50.5	194	32	10.9	538	2.72	5.4	0.9	3.5
949	0.38	51.04	4.78	44.8	140	43.1	17.8	592	3.2	4	0.6	1.9
950	0.73	56.65	7.96	61.5	220	31.6	14.7	604	3.36	6.9	0.6	2.2
951	1.72	72.92	6.75	96.9	158	26.3	17	650	4.46	7	0.6	0.7
952	1.77	28.76	15.31	75.6	206	44.6	10	404	2.45	16.4	0.9	0.8
953	0.96	21.28	9.71	72	109	34.3	10.7	273	3.22	4.7	0.7	1.5
954	1.74	30.32	6.96	98.7	63	52.7	16.8	486	4.05	1.6	0.5	0.6
959	2.62	58.31	7.7	174.2	2013	70.1	8.5	587	2.72	28.3	1.1	1.6
960	1.44	17.61	9.94	59.1	510	22.2	9.4	456	3.09	10.8	0.5	1.2
961	2.04	5.24	18.08	28.3	64	5.9	2.2	59	1.94	17.8	1.1	4.8
962	0.91	4.88	13.28	39.1	54	3.7	2.3	67	1.34	4.9	1	2.5
963	0.27	2.56	8.63	37.6	39	2.3	1.7	81	1.11	2.2	0.7	0.9
964	0.34	3.49	14.8	49.9	84	3.7	2	104	1.33	2.9	0.8	<0.2
965	0.52	6.99	9.5	50.6	39	7.9	4	148	1.76	4.8	0.8	1
966	0.44	4.01	16.31	40.5	72	3	2	115	1.22	3.6	0.9	0.7
967	0.31	4.45	12.75	41.7	27	4	2.1	103	1.16	3.6	1.3	0.7
968	0.43	5	13.86	36	35	1.9	1.2	179	0.96	6	1.2	0.3
969	0.97	5.11	16.88	24.5	225	3.1	1.4	80	0.99	3.3	2.1	0.8
970	1.28	9.55	24.47	36.7	532	3.2	1.4	57	1.23	5.5	2.9	1.5
971	0.98	5.88	11.31	29.2	248	6.4	2.9	105	1.42	6.2	1.6	1.6
972	1.1	3.74	9.95	26.7	50	2.2	1.6	118	1.23	5.4	2	0.2
973	1.2	8.82	26.94	47	106	8.6	3.8	160	2.19	7.4	3.4	0.4
974	0.94	5.67	13.86	42.4	44	4.5	3.9	199	1.67	5.9	3	0.4
975	0.96	12.75	10.59	57.4	44	10.8	6.1	167	2.09	9.1	1.7	2.3
976	1.27	8.56	21.14	40.6	98	8.9	2.9	123	1.83	7.9	3.1	1
977	0.59	5.6	11.55	32.8	63	5	2.3	90	1.53	4	1	3.5
978	0.34	4.33	12.82	40.9	61	3.2	1.8	66	1.05	2.2	1	0.2
979	1.06	13.79	18.02	58.8	207	14.1	6.2	258	2.71	9.7	0.7	1.9
980	0.67	6.75	28.58	60.9	305	8.2	4.1	177	2.28	5.7	0.9	0.9
983	1.47	11.45	21.11	46.6	103	10.1	4.2	181	2.21	9.5	1.4	2.8
984	1.27	9.65	11.81	34.6	94	9.1	3.8	244	1.97	7.8	1.1	1.1
985	1.01	31.33	12.02	70.6	93	37.7	13.1	595	3.37	1.9	1	1.3
986	1.19	96.31	8.51	99	31	46.7	22.4	1338	5.37	2.7	0.7	0.7
987	0.8	51.08	7.28	66.4	63	48.7	16	566	3.61	6.7	0.8	0.5

#	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba
948	2.6	26.9	0.11	0.35	0.16	47	1.04	0.066	16.4	35.2	0.62	321.7
949	1.4	14.2	0.07	0.37	0.09	83	0.8	0.054	6.4	88.6	1.3	354.6
950	2.2	17	0.14	0.46	0.14	65	0.83	0.064	12.4	42.6	0.76	342
951	3.2	7.4	0.1	0.45	0.12	81	0.18	0.046	8	20	1.39	188.9
952	6.7	26.5	0.47	0.56	0.1	54	0.59	0.074	22.9	48.9	1.13	229.4
953	5.1	8.6	0.07	0.31	0.14	60	0.14	0.022	15.6	41.3	0.85	153.8
954	4.6	13.9	0.1	0.7	0.14	76	0.43	0.081	12.8	55.2	1.1	219.1
959	3.3	47.2	4.51	1.13	0.11	79	1.32	0.328	32.3	61.9	0.43	223.5
960	3.1	9.6	0.32	0.45	0.17	70	0.1	0.03	8.9	36.9	0.64	224.7
961	7.9	8.4	0.11	0.6	0.19	19	0.03	0.015	14	9.8	0.33	108.6
962	7.9	11.1	0.06	0.3	0.2	12	0.08	0.01	18.2	6.1	0.88	97.2
963	6.3	13.4	0.02	0.2	0.13	8	0.09	0.008	9.6	3.8	1.04	63.6
964	9.1	14.9	0.02	0.21	0.16	12	0.11	0.01	30.6	5.9	1.34	109.2
965	5.2	17.8	0.06	0.33	0.21	21	0.12	0.013	11.9	12.3	1.32	103.7
966	7	10.3	0.02	0.25	0.33	12	0.06	0.015	5.9	5.4	0.57	69.4
967	7.7	10.8	0.06	0.21	0.22	9	0.08	0.006	14.9	6.2	0.92	63.5
968	6.3	11.4	0.04	0.33	0.2	7	0.08	0.009	7.3	3.9	0.29	59.9
969	5.7	7.7	0.03	0.25	0.21	20	0.06	0.008	28.6	8.7	0.16	114.8
970	11.3	2.6	0.06	0.58	0.19	7	0.02	0.014	25.9	4.3	0.1	48.5
971	9.9	4.4	0.05	0.5	0.12	19	0.03	0.017	11.1	10.9	0.18	56.6
972	11	2.2	0.02	0.52	0.18	10	0.01	0.022	18.8	4.8	0.08	35.7
973	16.5	5.8	0.07	0.64	0.28	21	0.04	0.024	38.6	12.8	0.38	84.2
974	10.8	7	0.06	0.53	0.12	16	0.03	0.027	23.1	11	0.13	81.2
975	11.1	8.9	0.11	0.78	0.15	28	0.06	0.014	23.7	16.9	0.27	115.8
976	9.7	10.7	0.09	0.88	0.14	25	0.12	0.014	45.3	14.9	0.25	132.5
977	7.4	5.2	0.04	0.38	0.13	28	0.04	0.009	15.3	11.1	0.2	70.5
978	5.9	12.1	0.05	0.2	0.2	9	0.09	0.009	7.6	5.1	0.81	64.9
979	6.1	12.8	0.11	0.57	0.26	55	0.1	0.027	11.4	27.9	0.46	197
980	6.8	13.6	0.1	0.46	0.55	37	0.11	0.022	16.1	15.5	0.43	147.1
983	11.5	9.9	0.05	1.15	0.17	30	0.06	0.016	17.4	17.1	0.33	106
984	4.6	9.9	0.09	0.77	0.2	39	0.07	0.018	16.8	15.3	0.22	157.6
985	12.1	10.1	0.03	0.22	0.29	29	0.25	0.052	57.7	31.1	0.84	233.7
986	2.8	5.3	0.12	0.28	0.17	87	0.15	0.083	5.5	56.6	1.18	216.1
987	3.6	9	0.21	0.49	0.15	65	0.2	0.04	5.2	40.4	0.92	252.9

#	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te
948	0.038	1	1.28	0.007	0.05	<0.1	5.4	0.09	0.03	72	0.4	0.04
949	0.053	<1	1.85	0.007	0.12	<0.1	7.9	0.11	<0.02	75	0.4	0.03
950	0.062	2	1.51	0.009	0.12	0.1	6.6	0.15	<0.02	80	0.5	<0.02
951	0.134	<1	2.41	0.002	0.44	<0.1	6.5	0.21	<0.02	9	0.9	0.09
952	0.061	<1	1.43	0.005	0.31	<0.1	3.3	0.29	<0.02	34	0.8	0.03
953	0.074	<1	1.82	0.005	0.16	<0.1	3.9	0.21	<0.02	52	0.4	<0.02
954	0.102	<1	1.7	0.002	0.3	<0.1	5.6	0.32	<0.02	18	0.5	0.03
959	0.017	<1	1.07	0.002	0.06	0.6	6.2	0.14	<0.02	225	11.5	0.1
960	0.053	<1	2.16	0.006	0.07	0.1	2.5	0.15	<0.02	21	0.4	0.03
961	0.012	<1	1.08	0.006	0.04	0.1	0.8	0.09	<0.02	16	0.2	0.03
962	0.028	<1	1.31	0.005	0.04	<0.1	1	0.13	<0.02	8	<0.1	<0.02
963	0.028	<1	1.33	0.004	0.05	<0.1	0.7	0.13	<0.02	9	0.1	<0.02
964	0.036	<1	1.6	0.005	0.14	<0.1	1	0.21	<0.02	12	<0.1	<0.02
965	0.061	1	2.01	0.006	0.12	<0.1	1.2	0.14	<0.02	23	0.2	<0.02
966	0.028	<1	1.23	0.003	0.1	<0.1	0.9	0.19	<0.02	30	0.1	<0.02
967	0.011	1	1.48	0.003	0.05	<0.1	0.9	0.13	<0.02	<5	<0.1	<0.02
968	0.02	<1	0.76	0.003	0.11	<0.1	0.7	0.2	<0.02	9	0.1	<0.02
969	0.029	<1	0.8	0.006	0.07	<0.1	1.1	0.14	<0.02	19	<0.1	<0.02
970	0.01	<1	0.6	0.002	0.1	<0.1	0.9	0.17	<0.02	50	<0.1	<0.02
971	0.021	<1	0.98	0.004	0.07	0.1	1.2	0.11	<0.02	37	0.2	<0.02
972	0.012	<1	0.47	0.003	0.08	<0.1	0.9	0.13	<0.02	11	<0.1	<0.02
973	0.037	1	1.42	0.005	0.16	<0.1	1.5	0.28	<0.02	25	<0.1	<0.02
974	0.007	1	0.93	0.004	0.1	0.1	1.3	0.1	<0.02	16	0.2	<0.02
975	0.029	1	1.34	0.006	0.06	<0.1	2.2	0.08	<0.02	15	0.2	0.02
976	0.018	1	1.21	0.005	0.06	0.1	1.7	0.12	<0.02	47	<0.1	<0.02
977	0.031	<1	0.95	0.004	0.05	0.1	1.3	0.12	<0.02	11	0.1	<0.02
978	0.012	<1	1.45	0.004	0.06	<0.1	0.9	0.13	<0.02	13	<0.1	0.02
979	0.05	1	2.15	0.006	0.07	0.2	2.2	0.17	<0.02	29	0.1	<0.02
980	0.032	<1	1.65	0.005	0.12	0.1	1.7	0.23	<0.02	18	0.2	<0.02
983	0.031	2	1.41	0.006	0.06	0.2	2	0.15	<0.02	255	0.2	<0.02
984	0.033	<1	1.11	0.005	0.04	0.2	1.7	0.1	<0.02	111	0.1	<0.02
985	0.034	<1	1.52	0.005	0.13	<0.1	3.9	0.23	<0.02	40	<0.1	<0.02
986	0.025	<1	1.93	0.003	0.08	<0.1	7.2	0.09	<0.02	10	0.7	0.02
987	0.052	<1	2.4	0.007	0.08	<0.1	5.8	0.16	<0.02	24	0.3	0.05

#	Ga
948	3.8
949	5.1
950	4.2
951	5.7
952	4.1
953	5.4
954	5.9
959	3.2
960	5.9
961	3
962	3.7
963	3.7
964	4.6
965	5
966	3.8
967	3.3
968	2.8
969	4
970	2
971	2.7
972	2
973	3.7
974	2.9
975	3.8
976	3.8
977	4.2
978	3.5
979	6.4
980	6.1
983	3.7
984	4.6
985	4.1
986	6.3
987	5.7

#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au
988	0.2	70.66	11.12	81	19	26.1	15.7	621	3.53	1.1	0.8	0.8
989	0.68	82.37	6.26	160.6	41	24.5	12	648	4.2	1.6	0.8	1.2
990	0.57	26.85	10.3	55	70	60.3	10.9	394	2.78	10.1	1.2	2.5
991	0.93	36.55	10.22	82.7	51	44.7	13.6	377	3.82	8.5	0.6	1.1
992	1.24	54.78	7.24	123.3	67	86	25	606	5.51	36.3	0.6	<0.2
993	1.42	26.27	6.09	82.4	153	24.3	11.4	477	3.38	5.5	0.4	0.5
994	1.77	29.2	6	106.4	155	32.4	11.9	650	3.54	6.7	0.6	1.9
995	3.08	54.03	9.66	142.1	417	47	11	424	3.43	37.7	0.7	1.5
996	0.84	8.59	20.64	40.2	204	8.8	4.6	372	1.62	25.2	1.1	7.6
997	1.11	20.8	7.21	67.2	268	22.4	6.1	241	2.55	10.7	0.5	1.1
998	0.99	44.91	6.7	111.5	219	36	12	649	3.86	7.9	0.6	0.7
999	1.88	10.07	15.79	39.4	189	12.9	4.7	124	2.85	13.4	0.8	2.1
1000	1.07	8.79	16.73	35.4	66	8.9	3.8	110	1.69	8.2	1.4	2.1
1001	1.3	4.64	13.68	38.5	42	4.3	3.1	131	1.66	10.8	1.3	0.2
1002	1.15	9.45	15.88	53.6	70	10.8	4.8	153	2.55	9.1	1.3	2
1003	0.58	5.02	19.38	46.5	177	3.7	1.7	113	1.16	5.7	1.8	<0.2
1004	2.68	10.9	37.03	71.6	1803	5.5	2.8	178	1.78	10.8	14.8	3.7
1005	0.55	6.11	14.56	51.1	35	4.7	2.3	123	1.26	2.7	2.6	<0.2
1006	1.03	7.34	13.03	31.8	79	6	2.7	107	1.41	4.1	2.1	0.7
1007	0.72	10.97	13.17	40.4	47	8.4	3.5	145	1.56	3.7	3.7	1.2
1008	0.75	15.58	11.58	47	32	12.7	5.1	245	1.73	5.2	2.4	2.7
1009	0.75	13.78	13.16	44.2	39	12.9	4.9	186	1.88	5.8	1.5	1.8
1010	0.59	14.59	14.54	45.4	64	10.3	5.3	204	1.74	5.4	2.5	1.3
1011	0.66	10.4	15.14	43	43	9.4	4.6	174	1.75	5.8	1.5	12.4
1012	0.73	14.96	11.81	43.3	103	13.5	5.4	167	1.83	5.3	1.7	1.6
1013	0.73	12.51	10.06	38.7	48	12.4	5.3	188	1.79	5.6	1.4	5.1
1014	0.82	9.85	12.01	37.1	66	9.4	3.8	166	1.55	5	1.5	0.9
1015	1.05	11.02	13.35	38.6	66	10.6	4.2	145	1.9	6.2	1.1	0.6
1016	0.84	7.85	13.69	36	55	8	3.4	122	1.68	5.8	1.1	1.2
1017	1.07	4.87	16.22	36.3	53	4.2	1.9	84	1.45	5.7	1.2	0.6
1018	1.01	15.32	15.02	48.5	53	14.4	6.1	183	2.24	8.6	1.5	1.7
1019	0.9	19.95	12.36	52.8	18	17	7.1	233	2.17	9.1	1.8	2.6
1020	1.07	17.61	15.79	44.1	49	13.5	5.2	162	2.06	8	2	2.4
1021	0.81	12.74	19.94	46.3	80	12.3	4.9	184	2	7.3	1.2	1
1022	0.28	5.16	2.3	73	19	89.4	35.3	913	6.3	1.1	<0.1	<0.2

#	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba
988	2.5	13.8	0.07	0.2	0.16	95	0.36	0.062	12.2	39.3	2.11	575.1
989	4	17.8	0.09	0.32	0.11	76	0.4	0.076	21.8	15.5	1.9	321.7
990	3.7	16	0.06	0.67	0.15	52	0.18	0.024	15.3	65.1	0.8	321.7
991	5.8	10.2	0.11	0.65	0.15	64	0.15	0.07	19.1	50.1	1	161.4
992	5.2	13.8	0.24	1.98	0.13	101	0.3	0.055	10.9	132.6	2.26	353.2
993	1.4	16.9	0.66	0.25	0.1	106	0.3	0.09	4.7	48.8	1.18	367.9
994	2	15.5	0.47	0.28	0.1	107	0.27	0.093	7.8	57.4	1.55	411.7
995	2.5	14.8	0.82	1.48	0.14	76	0.26	0.103	11.1	48.4	1.39	187.3
996	7.2	21.1	1.16	0.38	0.17	21	0.25	0.034	18.1	11.6	0.26	286.6
997	2.3	14.8	0.31	0.4	0.13	72	0.24	0.058	7.7	34.4	0.64	240
998	2.9	10.5	0.34	0.41	0.14	102	0.19	0.103	11.5	54.3	1.43	362.4
999	5.7	7.7	0.1	0.55	0.2	51	0.06	0.034	19.7	25.2	0.42	106.4
1000	11.1	10	0.06	0.42	0.18	23	0.07	0.012	34.7	15.5	0.58	106.6
1001	12.5	10.2	0.07	0.36	0.21	21	0.08	0.029	24.6	8.4	0.71	75.7
1002	8.3	13.9	0.05	0.47	0.21	35	0.11	0.017	20.7	18	0.9	98.7
1003	9.1	11.4	0.04	0.28	0.19	13	0.11	0.01	31.5	7.2	0.56	89.3
1004	17.8	18.1	0.13	0.39	0.3	13	0.26	0.028	173.3	8.4	0.67	200.8
1005	16	12.7	0.02	0.25	0.2	10	0.16	0.008	41.6	7.2	0.91	100.5
1006	12.8	4.3	0.03	0.4	0.17	19	0.03	0.007	21.4	10.9	0.23	71.5
1007	13.7	6.8	0.02	0.47	0.12	22	0.05	0.009	36.6	14.1	0.25	97.6
1008	10	12.6	0.06	0.56	0.08	29	0.12	0.018	28.2	17.8	0.3	174.3
1009	9.8	10.9	0.05	0.51	0.14	31	0.11	0.019	19.3	18.5	0.32	139.5
1010	13.9	10.2	0.06	0.47	0.16	27	0.08	0.012	43.1	16.2	0.38	125.8
1011	7.6	11.6	0.05	0.42	0.19	29	0.11	0.017	18.7	15.8	0.39	133
1012	5.7	16	0.03	0.44	0.16	34	0.22	0.036	25.4	20.3	0.43	182.9
1013	5	14	0.05	0.39	0.13	35	0.15	0.027	20	20.1	0.36	201.4
1014	7.6	11.1	0.05	0.51	0.13	25	0.09	0.015	18.8	14.2	0.28	146.8
1015	6.3	9.3	0.04	0.53	0.12	34	0.08	0.014	14.3	18.6	0.31	127.6
1016	9	8.2	0.05	0.57	0.17	27	0.06	0.009	13.8	14.8	0.36	107
1017	8	10.2	0.04	0.84	0.13	14	0.06	0.016	13.2	6.9	0.25	92.6
1018	12.5	10.7	0.08	0.71	0.16	40	0.09	0.013	23	24.4	0.39	167.4
1019	11.4	12.4	0.07	0.76	0.17	39	0.1	0.012	29.1	24.2	0.43	184.3
1020	9.4	11.3	0.05	0.74	0.16	37	0.09	0.014	28.1	21.4	0.38	153.9
1021	11.7	12.9	0.07	0.64	0.18	36	0.11	0.016	33	19.4	0.42	152.3
1022	0.4	6.3	0.03	0.07	0.04	214	0.27	0.074	1.2	215	3.8	263.1

#	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te
988	0.223	<1	2.77	0.013	1.12	<0.1	8	0.51	<0.02	<5	0.3	<0.02
989	0.185	<1	2.87	0.009	0.81	<0.1	7.9	0.23	<0.02	24	0.6	0.07
990	0.058	<1	1.63	0.01	0.06	0.1	6.1	0.1	<0.02	68	0.3	<0.02
991	0.093	<1	1.96	0.007	0.35	<0.1	4	0.29	<0.02	24	0.5	0.03
992	0.209	<1	3.31	0.01	1.05	<0.1	7.9	1.24	<0.02	17	0.9	0.06
993	0.148	<1	2.18	0.007	0.55	<0.1	3.3	0.38	<0.02	21	0.7	0.04
994	0.164	1	2.55	0.009	0.64	<0.1	4.1	0.49	<0.02	10	0.7	0.04
995	0.064	<1	2.37	0.005	0.18	<0.1	3.5	0.27	<0.02	32	2.5	0.08
996	0.016	<1	0.96	0.008	0.07	0.1	1.2	0.18	0.03	39	0.6	<0.02
997	0.053	<1	1.61	0.006	0.09	0.1	2.7	0.14	<0.02	30	1.7	0.04
998	0.117	<1	2.62	0.006	0.74	<0.1	3.7	0.51	<0.02	11	1.2	0.02
999	0.038	1	1.86	0.004	0.06	0.2	2	0.13	<0.02	28	0.2	0.05
1000	0.035	<1	1.47	0.004	0.05	<0.1	1.6	0.13	<0.02	12	0.2	<0.02
1001	0.028	<1	1.23	0.004	0.06	<0.1	1.1	0.12	<0.02	9	0.1	<0.02
1002	0.064	1	1.85	0.004	0.07	0.1	1.7	0.21	<0.02	16	<0.1	<0.02
1003	0.034	1	1.11	0.004	0.13	<0.1	1	0.26	<0.02	25	<0.1	<0.02
1004	0.034	1	1.54	0.005	0.19	0.1	2.3	0.33	0.03	171	<0.1	<0.02
1005	0.035	<1	1.21	0.004	0.06	<0.1	1.2	0.13	<0.02	17	<0.1	<0.02
1006	0.03	<1	0.94	0.003	0.07	0.1	1.3	0.15	<0.02	18	<0.1	<0.02
1007	0.031	<1	0.9	0.004	0.08	<0.1	2.3	0.13	<0.02	38	0.1	<0.02
1008	0.041	<1	0.88	0.007	0.07	0.1	2.5	0.09	<0.02	29	0.1	<0.02
1009	0.037	<1	1.11	0.006	0.07	0.1	2.2	0.1	<0.02	21	<0.1	<0.02
1010	0.04	<1	1.14	0.005	0.08	0.1	2.7	0.15	<0.02	27	0.1	<0.02
1011	0.036	<1	1.2	0.005	0.06	0.1	1.6	0.12	<0.02	7	<0.1	<0.02
1012	0.044	<1	1.2	0.007	0.05	0.2	2	0.1	<0.02	30	<0.1	<0.02
1013	0.04	<1	1.09	0.007	0.04	0.1	2.2	0.07	<0.02	32	0.1	<0.02
1014	0.029	<1	0.93	0.005	0.06	0.1	1.7	0.1	<0.02	45	0.2	<0.02
1015	0.036	<1	1.22	0.004	0.04	0.1	1.7	0.1	<0.02	61	0.1	<0.02
1016	0.028	<1	1.24	0.004	0.05	0.1	1.7	0.12	<0.02	56	0.1	<0.02
1017	0.016	<1	0.88	0.002	0.07	<0.1	1.1	0.13	<0.02	53	0.1	<0.02
1018	0.046	<1	1.55	0.005	0.06	0.1	3	0.15	<0.02	147	0.2	<0.02
1019	0.053	<1	1.38	0.007	0.06	0.2	3.8	0.11	<0.02	355	0.2	<0.02
1020	0.04	<1	1.34	0.007	0.05	0.1	2.8	0.1	<0.02	189	<0.1	<0.02
1021	0.053	<1	1.37	0.006	0.07	0.1	2.2	0.15	<0.02	112	<0.1	0.02
1022	0.126	<1	4.58	<0.001	0.45	<0.1	18.8	0.25	<0.02	<5	<0.1	<0.02

#	Ga
988	8.5
989	6.7
990	4.4
991	5.9
992	10.2
993	7.2
994	7.7
995	5.9
996	2.7
997	6
998	7.5
999	5.2
1000	3.4
1001	4
1002	5.6
1003	3.4
1004	4.9
1005	3.5
1006	2.9
1007	2.9
1008	3
1009	3.4
1010	3.4
1011	3.6
1012	3.5
1013	3.4
1014	2.9
1015	4
1016	3.9
1017	2.6
1018	4.3
1019	3.7
1020	4
1021	4.3
1022	12.5

#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au
1023	0.59	58.1	12.55	72.5	61	50.5	17.4	1747	4.16	34.2	0.9	0.2
1024	0.44	93.62	7.11	103.2	11	49.8	21.8	692	4.51	1.2	1	<0.2
1025	0.24	84.04	8.83	104.2	30	63	32.1	1177	5.61	2	0.8	0.7
1026	0.69	32.29	7.69	64	39	49.2	18.9	508	3.71	5.3	0.5	<0.2
1027	0.74	81.27	6.71	73.8	26	15.2	12	1194	3.76	1.2	0.9	0.3
1028	3.84	56.53	12.61	107.3	81	32	12.7	1029	2.26	5.8	0.9	<0.2
1029	0.18	19.93	2.54	23.3	94	270.1	23	2264	2.67	1.7	0.1	1.4
1030	0.98	40.11	11.8	97.2	29	60.4	14.2	382	4.37	11	0.9	0.4
1031	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1032	2.48	43.13	7.97	106.3	777	37	10.2	579	2.96	7	1.7	1.4
1033	1.88	53.38	8.65	131	217	55.8	14.8	535	4.39	7	0.6	0.4
1034	1.08	46.41	4.63	111.4	69	42.6	12.6	603	4	4	0.6	<0.2
1035	0.88	36.02	6.9	93.9	109	29	8.1	343	3.14	14.2	0.8	3
1036	1.22	67.28	12.59	159.8	279	53.3	14.7	848	4.6	21.7	1.4	3
1037	0.71	4.18	12.4	29.7	69	4.7	1.9	69	1.12	4.9	0.8	1.6
1038	1.06	3.6	13.15	24.5	203	2.9	1.1	56	0.87	5.7	1	1
1039	1.72	4.38	16.01	27.5	411	3.2	1.3	67	1.07	6.4	1.6	2.1
1040	0.65	8.28	14.68	40	62	7.7	3.4	112	1.58	4.6	1.9	1
1041	1.38	6.11	14.14	30.6	361	5.6	2.4	110	1.28	4.5	1.5	1.4
1042	1.01	7.66	16.21	49.2	104	8.7	3.7	148	2.07	7.2	1.4	0.8
1043	0.76	9.02	12.24	37.3	99	8.8	3.8	132	1.65	6.2	1.2	1.9
1044	0.9	10.4	14.03	42.6	83	10.8	4.6	163	2.06	8.4	1.1	2.5
1045	0.87	10.72	13.04	44.2	147	11.2	4.7	162	2.2	7.7	0.9	3
1046	1.12	10.95	16.82	50.3	203	11.8	5.4	206	2.36	9.2	1.3	2.5
1047	0.48	4.73	12.8	33.9	142	2.5	1.5	55	1.07	3.6	1.3	0.3
1048	0.53	6.71	13.21	42.7	80	5.7	2.6	115	1.45	4.3	0.8	1.2
1049	0.66	10.36	13.92	56.3	78	7.8	3.8	149	1.9	5.5	0.9	1.3
1050	1.03	9.63	12.15	62.4	72	6.8	3.2	121	1.98	5.2	1	0.6
1051	0.74	4.71	10.48	25	221	4.1	2	108	1.22	3.6	0.6	0.9
1052	0.55	7.96	13.51	29.6	66	7	2.6	103	1.26	5.1	1.3	0.5
1053	0.57	8.95	15.64	42.9	63	8.4	3.4	131	1.57	4.8	0.9	0.5
1054	1.08	8.12	12.08	46.3	110	8	3.4	153	2.07	20.4	1.2	0.3
1055	1.21	7.03	17.02	35.3	169	7.4	3.3	128	1.91	8.2	0.6	1.1
1056	1.17	15.11	16.67	51.6	96	15.9	6.7	218	2.64	10	1.4	1.5
1057	1.27	19.47	13.98	60.9	96	23.7	10.2	269	2.92	11.3	1.4	3.7

#	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba
1023	11.4	14.3	0.15	0.19	0.23	57	0.39	0.07	39.1	50.3	1.58	236.4
1024	5.4	8.8	0.05	0.13	0.14	65	0.21	0.034	14	46.4	1.57	186.4
1025	7.4	11	0.24	0.13	0.1	173	0.48	0.097	24.6	149.5	2.84	231.9
1026	3.2	10.9	0.05	0.35	0.11	81	0.17	0.025	9	72.2	1.24	233.8
1027	3.5	8.8	0.2	0.12	0.06	73	0.33	0.072	14.6	14.6	1.53	207.1
1028	3.8	18.6	0.33	0.36	0.25	42	0.45	0.266	24.7	49.4	0.5	149.3
1029	0.5	6.3	0.11	0.32	<0.02	44	0.17	0.016	2.1	499.4	1.31	322.7
1030	8.5	11.4	0.07	0.49	0.19	67	0.17	0.032	30.8	59.3	1.16	204.2
1031	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1032	2.5	43	0.94	0.39	0.13	95	1.16	0.129	21.4	54.3	1.23	553.6
1033	3.1	12.7	0.81	0.28	0.11	125	0.23	0.081	6.9	75.5	1.67	256.8
1034	2.8	13.8	0.43	0.19	0.19	128	0.25	0.101	4.7	69.4	1.6	396.8
1035	2.9	13.7	0.31	0.45	0.23	84	0.26	0.067	14.3	49.4	1.06	291.6
1036	6.7	27.8	0.96	0.65	0.2	120	0.65	0.14	29	65.9	1.65	450.7
1037	5.7	7.9	0.05	0.23	0.2	21	0.06	0.007	12.6	8.2	0.48	75.5
1038	5.8	6.5	0.03	0.21	0.16	13	0.07	0.012	18.6	5.8	0.34	69.8
1039	7.4	6	0.04	0.27	0.18	15	0.06	0.007	24.2	6.3	0.3	68.5
1040	7.3	12.1	0.04	0.28	0.17	26	0.12	0.018	28.1	13.6	0.56	126.8
1041	7.3	8.8	0.02	0.26	0.18	24	0.1	0.011	22.1	10.7	0.25	116.4
1042	5.5	12.7	0.08	0.41	0.34	34	0.11	0.017	16.1	17	0.48	129.5
1043	6	9.6	0.05	0.35	0.2	32	0.09	0.016	15.5	15.9	0.37	119
1044	6.9	10.7	0.05	0.46	0.19	40	0.12	0.018	15.3	20.9	0.44	124.8
1045	5.6	10.6	0.04	0.47	0.21	43	0.11	0.02	14	21.4	0.41	153.4
1046	8.4	10.9	0.07	0.56	0.26	49	0.1	0.016	22.3	26.6	0.48	196.8
1047	10.2	5.1	0.03	0.53	0.24	8	0.04	0.006	16.4	4.7	0.36	74.5
1048	6.9	7.2	0.04	0.34	0.13	17	0.06	0.01	7.6	10.4	0.49	94.6
1049	7.6	8.3	0.06	0.39	0.16	27	0.07	0.008	12	14.5	0.73	97.8
1050	7.6	8.7	0.05	0.39	0.19	21	0.07	0.013	7.1	10.8	0.92	91.9
1051	3.3	6	0.07	0.3	0.17	32	0.04	0.02	7.4	8.2	0.12	82.4
1052	4.9	6.3	0.08	0.44	0.11	18	0.04	0.014	20.1	11.4	0.19	92.5
1053	11.9	6.9	0.06	0.4	0.17	23	0.05	0.007	21.1	13.9	0.46	91.4
1054	9.2	6.7	0.05	0.72	0.24	29	0.05	0.016	12.4	14	0.23	114.9
1055	4.4	7.9	0.11	0.56	0.19	45	0.06	0.015	12	15.9	0.27	126.7
1056	10.4	9.7	0.08	0.68	0.19	49	0.08	0.016	19.5	27.3	0.46	171.6
1057	11.4	10.6	0.11	0.74	0.19	52	0.1	0.026	18.4	33.5	0.48	205.9

#	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te
1023	0.133	<1	2.45	0.002	0.37	<0.1	8.2	0.31	<0.02	43	0.2	0.04
1024	0.066	<1	2.3	<0.001	0.16	<0.1	6.1	0.2	<0.02	9	0.5	0.08
1025	0.12	<1	3.91	<0.001	0.25	<0.1	20.7	0.24	<0.02	15	0.4	<0.02
1026	0.094	<1	2.41	0.004	0.1	0.1	5.6	0.11	<0.02	16	0.2	<0.02
1027	0.142	<1	2.35	0.003	0.42	<0.1	7.5	0.3	<0.02	14	0.2	0.03
1028	0.06	<1	0.93	0.003	0.14	0.1	2.1	0.25	<0.02	12	1.5	<0.02
1029	0.008	<1	0.95	<0.001	<0.01	<0.1	11.4	0.06	<0.02	181	0.1	<0.02
1030	0.132	<1	2.03	0.004	0.47	<0.1	4.4	0.45	<0.02	16	0.3	0.03
1031	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1032	0.093	<1	2.09	0.011	0.22	0.1	4.8	0.32	0.03	101	1.1	<0.02
1033	0.16	<1	3	0.002	0.58	<0.1	4.7	0.77	<0.02	24	1	<0.02
1034	0.174	<1	2.89	0.003	0.63	<0.1	5.1	0.52	<0.02	10	1.3	0.03
1035	0.071	1	2.06	<0.001	0.18	<0.1	3.2	0.19	<0.02	21	1.1	0.04
1036	0.108	1	2.75	<0.001	0.55	<0.1	5.9	0.51	<0.02	72	1.3	0.07
1037	0.033	<1	0.99	0.002	0.04	0.1	1	0.11	<0.02	15	<0.1	<0.02
1038	0.023	<1	0.68	0.002	0.06	<0.1	1	0.11	<0.02	16	0.1	<0.02
1039	0.024	1	0.67	0.002	0.05	<0.1	0.9	0.11	<0.02	36	<0.1	<0.02
1040	0.034	<1	1.17	0.003	0.04	0.1	1.5	0.11	<0.02	18	<0.1	<0.02
1041	0.026	<1	0.8	0.004	0.06	<0.1	1.3	0.1	<0.02	14	<0.1	<0.02
1042	0.033	<1	1.25	0.003	0.06	0.1	1.6	0.1	<0.02	17	<0.1	<0.02
1043	0.032	<1	1.04	0.003	0.05	0.1	1.6	0.1	<0.02	23	0.2	<0.02
1044	0.032	<1	1.31	0.004	0.05	0.1	2	0.13	<0.02	20	0.2	<0.02
1045	0.033	<1	1.37	0.004	0.05	0.2	1.9	0.11	<0.02	29	0.2	<0.02
1046	0.04	<1	1.54	0.004	0.05	0.1	2.9	0.15	<0.02	43	<0.1	<0.02
1047	0.017	<1	0.84	0.002	0.09	<0.1	1	0.24	<0.02	23	<0.1	<0.02
1048	0.019	<1	1.27	0.002	0.07	<0.1	1.1	0.16	<0.02	19	<0.1	<0.02
1049	0.047	<1	1.55	0.002	0.09	<0.1	1.5	0.23	<0.02	16	<0.1	<0.02
1050	0.038	1	1.71	0.001	0.14	<0.1	1.4	0.24	<0.02	17	<0.1	<0.02
1051	0.031	<1	0.62	0.003	0.06	0.1	0.9	0.09	<0.02	17	<0.1	<0.02
1052	0.016	<1	0.87	0.002	0.07	<0.1	1.3	0.09	<0.02	29	0.1	<0.02
1053	0.028	<1	1.22	0.002	0.06	<0.1	1.9	0.14	<0.02	23	0.2	0.02
1054	0.023	<1	0.98	0.002	0.08	0.1	1.7	0.12	<0.02	23	0.2	<0.02
1055	0.039	<1	1.13	0.002	0.05	0.1	1.7	0.13	<0.02	41	0.2	0.02
1056	0.04	2	1.86	0.003	0.06	0.1	3	0.15	<0.02	96	<0.1	0.03
1057	0.043	<1	2.35	0.004	0.05	0.2	3.2	0.11	<0.02	67	0.4	0.03

#		Ga
1023		6.6
1024		6.1
1025		12.2
1026		7
1027		5.5
1028		4.3
1029		2
1030		6.1
1031	I.S.	
1032		6.1
1033		8.8
1034		8.2
1035		5.3
1036		7.7
1037		3.3
1038		2.1
1039		2.5
1040		3.1
1041		2.9
1042		4.1
1043		3.3
1044		3.8
1045		4.1
1046		4.7
1047		2.3
1048		3
1049		4
1050		4.4
1051		3.5
1052		2.1
1053		3.1
1054		3.2
1055		5.2
1056		4.4
1057		4.4

#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au
1058	0.66	7.82	26.64	43.2	42	7.4	3.5	138	1.55	6.7	1	2
1059	0.66	10.74	28.09	51.9	40	9.9	5.1	199	1.96	7.7	1.3	1.2
1060	0.81	68.95	4.97	60.9	64	68.2	32.3	686	5.17	4.8	0.2	<0.2
1061	0.9	44.95	15.58	90.9	56	48.5	22.2	339	4.27	2.5	1.4	<0.2
1062	1.3	53.16	18.38	88.6	252	49.1	19.9	1212	4.33	5.6	1.1	0.6
1063	0.9	62.21	14.11	92.4	193	62.9	27.4	996	4.9	10.9	1.2	0.9
1064	0.66	48.45	8.61	64.3	66	45.9	17.4	499	3.64	8.1	0.8	4.7
1065	1.4	30.99	8.86	45.5	132	18.9	16.7	954	3.4	5	0.5	0.4
1066	1.55	85.24	7.78	105.5	84	25.4	17.3	867	5.09	10.8	0.7	<0.2
1067	0.41	147.41	10.46	77.1	78	73.6	28.6	913	3.34	1.3	0.3	5.6
1068	0.85	35.54	8.25	126.8	206	46.1	31.9	988	6.49	11.1	0.8	<0.2
1069	1.87	45.22	7.26	126.3	615	40.5	10.3	336	3.61	18.8	0.6	<0.2
1070	6.06	46.08	7.7	162.7	410	60.2	12	549	3.81	7.6	1	<0.2
1071	2.01	68.72	11.08	174.3	166	64.5	16.5	826	5.39	15.2	0.9	5.6
1072	0.91	17.52	11.71	56.6	147	16.5	5.6	249	2.11	9.4	1.9	2.7
1073	1.03	11.04	10.3	46.2	171	10.1	3.2	118	1.71	6.3	0.7	2.3
1074	1.3	13.1	9.07	49.6	115	10.7	3.2	131	1.55	13.1	1.2	2.3
1075	1.44	8.69	16.98	41	205	9.3	7.7	288	2.11	9.1	1.3	2.3
1076	0.69	5.9	10.22	34.7	92	7.3	3.2	123	1.42	4.2	1	2.9
1077	0.59	6.94	8.32	40.7	61	8.6	4.1	205	1.6	4.5	0.7	4
1078	0.67	9.55	10.7	37.2	95	9.5	4.1	152	1.83	5.4	0.7	2.5
1079	0.56	5.44	12.96	36.3	74	5.3	2.7	107	1.5	4	0.7	2.7
1080	0.48	7.61	12.01	38.4	77	7.6	3.4	113	1.49	3.9	0.8	1.3
1081	0.65	8.27	16.23	33.9	46	6.7	3	100	1.5	5.5	0.7	1.4
1082	0.89	5.29	17.44	26.9	157	5.4	2.5	128	1.42	5.8	0.7	1.5
1083	0.72	9.29	15.54	39.7	73	7.8	3.4	119	1.72	5.2	1.2	2.1
1084	0.61	5.44	17.95	33.9	88	4.1	2	98	1.38	3.8	0.8	0.9
1085	0.67	6.56	15.6	37.4	86	6.1	2.8	109	1.67	4.7	0.7	2.4
1086	0.87	8.53	20.39	41.6	51	8.2	3.2	110	1.38	5.2	1	1.5
1087	1.12	8.8	20.03	38.3	177	10.9	4	174	1.83	5.8	1	1.2
1088	0.74	7.56	13.76	33.7	118	7.7	3.7	127	1.69	5.1	0.7	1.7
1089	0.41	3.52	10.19	33.2	32	2.7	1.4	68	1.1	2.5	0.7	0.6
1090	0.71	7.95	15.42	39.5	30	7.5	3.2	115	1.61	4.8	1	1.6
1091	0.74	8.59	13.84	37.3	92	7.6	2.7	107	1.48	5	1.2	1.1
1092	0.57	5.82	14.91	38	127	5.7	2.4	88	1.4	4.1	0.7	0.6

#	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba
1058	14	11	0.07	0.67	0.76	17	0.09	0.014	40.7	10.5	0.48	134.8
1059	20.4	10.7	0.06	0.66	0.55	24	0.09	0.016	26.9	14.7	0.45	161.3
1060	1	8.1	0.07	0.4	0.11	178	0.27	0.052	3.4	147.1	1.94	218.5
1061	24	7.3	0.06	0.22	0.34	34	0.2	0.069	44.8	32	1.11	135.1
1062	9.3	27.1	0.18	0.23	0.28	57	0.7	0.09	38.2	47	1.5	197.1
1063	13.8	12.3	0.15	0.34	0.2	121	0.55	0.067	32.1	99.4	1.69	233.5
1064	4.6	14.5	0.06	0.5	0.14	79	0.27	0.037	19.1	63.2	1.13	375.4
1065	2.9	10.9	0.06	0.38	0.17	97	0.17	0.02	9.5	38.7	0.87	199
1066	3.6	9.9	0.15	0.35	0.17	150	0.32	0.093	10.9	32.2	2.13	472.1
1067	3	8.8	0.05	0.3	0.16	78	0.29	0.079	6.8	50.5	1.12	459.8
1068	10.2	17.4	0.25	0.5	0.09	124	0.4	0.112	25.5	64.9	1.73	281.6
1069	3.7	21	0.72	0.96	0.12	102	0.65	0.175	14.3	64.5	1.36	431.3
1070	6.2	25.2	1.04	0.26	0.13	143	0.77	0.164	19.1	91.5	2.2	564.7
1071	4.3	20.3	0.91	1.2	0.37	164	0.5	0.129	16.8	100	2.05	588.7
1072	7.1	19.3	0.35	0.53	0.19	42	0.28	0.05	26.2	23.9	0.54	268.2
1073	4.3	7.8	0.11	0.37	0.15	39	0.08	0.023	18.4	18.6	0.59	109.5
1074	6.1	8.5	0.17	0.39	0.13	37	0.1	0.027	31.7	17.7	0.5	91.8
1075	7.5	9.8	0.09	0.52	0.24	36	0.07	0.041	17.7	16.8	0.37	128.2
1076	5.5	10	0.04	0.28	0.15	28	0.1	0.017	15.1	13.6	0.43	91.3
1077	5.5	11.5	0.06	0.36	0.14	26	0.11	0.022	12.2	12.7	0.59	101.6
1078	6.5	9.1	0.06	0.45	0.16	34	0.08	0.011	10.3	17.3	0.4	96.5
1079	6.1	10.1	0.05	0.29	0.17	25	0.06	0.01	10	11.2	0.46	77.6
1080	8.5	8.3	0.05	0.34	0.15	25	0.06	0.006	18.6	13.7	0.5	77.1
1081	6.9	8.1	0.07	0.38	0.23	25	0.06	0.01	9.8	13	0.38	99.5
1082	5.9	6.8	0.05	0.38	0.25	31	0.05	0.01	10.5	11.8	0.3	95.7
1083	9.9	9.5	0.04	0.39	0.21	31	0.08	0.008	20.2	15.5	0.56	109.1
1084	5.9	8.3	0.05	0.26	0.19	22	0.07	0.009	8	8.4	0.51	90
1085	7.1	7.3	0.05	0.3	0.2	24	0.05	0.011	11.4	12.1	0.62	105.7
1086	7.4	9.7	0.06	0.42	0.27	17	0.08	0.017	11.3	11.4	0.39	108
1087	8.3	10.1	0.07	0.32	0.24	35	0.07	0.021	13.8	17.9	0.46	135.1
1088	5.5	7.6	0.05	0.36	0.18	32	0.06	0.016	9.6	15.4	0.48	107.8
1089	6.8	7.3	0.04	0.23	0.22	13	0.06	0.007	6.9	5.4	0.82	64.9
1090	10.1	6.5	0.05	0.44	0.18	25	0.05	0.007	27.7	14	0.43	99.2
1091	10	6.6	0.05	0.62	0.12	24	0.04	0.009	23.5	12.8	0.24	90.2
1092	7.1	6.7	0.06	0.41	0.14	22	0.05	0.006	17.5	10	0.56	91.2

#	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te
1058	0.03	<1	1.02	0.003	0.15	0.1	2	0.26	<0.02	11	<0.1	<0.02
1059	0.025	<1	1.23	0.003	0.11	0.1	2.1	0.24	<0.02	23	0.2	<0.02
1060	0.139	<1	2.97	0.006	0.23	<0.1	9.6	0.17	<0.02	16	0.2	0.03
1061	0.116	<1	2.21	<0.001	0.62	<0.1	4	0.53	<0.02	7	<0.1	0.04
1062	0.067	<1	2.34	0.001	0.15	<0.1	6	0.22	0.02	44	0.3	0.04
1063	0.104	<1	2.27	<0.001	0.3	<0.1	15.4	0.43	<0.02	48	0.4	0.03
1064	0.071	<1	2.31	0.004	0.11	<0.1	8.4	0.11	<0.02	48	0.2	0.03
1065	0.088	<1	1.98	0.005	0.06	0.1	6	0.15	<0.02	33	0.3	0.02
1066	0.231	<1	3.47	<0.001	1.02	<0.1	13.4	0.43	<0.02	16	0.3	0.06
1067	0.122	1	1.62	0.002	0.54	<0.1	7.8	0.25	<0.02	34	0.1	0.1
1068	0.169	<1	2.5	<0.001	0.87	<0.1	11.3	0.65	<0.02	55	0.3	<0.02
1069	0.136	<1	2.12	0.004	0.71	<0.1	5.7	0.55	<0.02	65	1.3	<0.02
1070	0.153	<1	2.79	0.002	0.56	<0.1	5.9	0.76	<0.02	25	2	0.06
1071	0.231	6	3.14	<0.001	1.04	0.1	6.8	0.98	<0.02	46	1.3	0.07
1072	0.044	3	1.39	0.008	0.07	0.1	2.9	0.13	<0.02	46	0.5	<0.02
1073	0.052	2	1.2	0.004	0.12	<0.1	1.5	0.13	<0.02	13	0.2	<0.02
1074	0.035	2	1.08	0.004	0.07	0.1	1.6	0.13	<0.02	26	0.3	0.02
1075	0.037	2	1.35	0.004	0.07	0.1	1.5	0.11	<0.02	27	0.1	<0.02
1076	0.042	2	0.94	0.006	0.05	0.1	1.3	0.1	<0.02	10	0.2	<0.02
1077	0.041	2	1.13	0.005	0.06	0.1	1.2	0.1	<0.02	16	<0.1	<0.02
1078	0.036	2	1.27	0.004	0.05	0.1	1.6	0.13	<0.02	25	0.2	<0.02
1079	0.038	2	1.25	0.004	0.06	<0.1	1.3	0.13	<0.02	8	0.2	0.02
1080	0.039	1	1.25	0.005	0.05	<0.1	1.3	0.1	<0.02	19	0.2	<0.02
1081	0.027	1	1.24	0.005	0.09	<0.1	1.3	0.11	<0.02	12	0.1	0.02
1082	0.025	<1	1.03	0.005	0.06	0.1	1.2	0.14	<0.02	16	<0.1	0.03
1083	0.036	1	1.47	0.006	0.06	0.1	1.7	0.14	<0.02	24	0.2	0.02
1084	0.021	<1	1.26	0.005	0.08	0.1	1.2	0.15	<0.02	11	<0.1	<0.02
1085	0.011	1	1.66	0.004	0.05	<0.1	1.3	0.1	<0.02	18	0.1	0.04
1086	0.019	1	1.13	0.004	0.12	<0.1	0.9	0.18	<0.02	15	<0.1	<0.02
1087	0.026	<1	1.49	0.007	0.07	0.1	1.6	0.12	<0.02	29	<0.1	0.03
1088	0.026	<1	1.38	0.004	0.05	<0.1	1.3	0.1	<0.02	22	0.3	0.05
1089	0.018	1	1.24	0.003	0.07	<0.1	1	0.14	<0.02	6	<0.1	<0.02
1090	0.024	1	1.32	0.005	0.06	<0.1	1.5	0.14	<0.02	23	<0.1	<0.02
1091	0.024	1	0.99	0.005	0.07	<0.1	1.6	0.11	<0.02	45	<0.1	<0.02
1092	0.024	1	1.22	0.003	0.05	0.1	1.2	0.15	<0.02	29	<0.1	<0.02

#	Ga
1058	2.9
1059	3.4
1060	9.2
1061	5.8
1062	6.6
1063	6.6
1064	6
1065	7.6
1066	10.6
1067	6.5
1068	8.5
1069	6.5
1070	8.4
1071	10.9
1072	3.8
1073	3.9
1074	3.2
1075	4.4
1076	3.4
1077	3.2
1078	3.7
1079	3.8
1080	3.1
1081	3.2
1082	3.9
1083	4.1
1084	3.8
1085	3.9
1086	3.2
1087	4.3
1088	3.8
1089	3.5
1090	3.5
1091	2.7
1092	3.6

#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au
1093	1.09	15.88	14.89	52.5	61	17.8	6.9	241	2.42	9.4	0.8	1.8
1094	1.13	8.7	13.82	51.4	61	10.3	4.4	314	2.04	8.2	0.8	1.2
1095	1	5.53	15.22	39	81	5.1	2.1	112	1.36	6	1.1	5.5
1096	0.76	6.39	17.63	34	67	6	2.5	94	1.46	10.7	0.9	1.8
1390	0.61	60.14	7.85	79	202	67.6	27	1151	5.3	4.6	0.7	2.2
1391	0.65	61.53	8.35	73.3	182	37.3	23.8	982	4.79	4.2	0.4	1.4
1392	0.26	90.86	18.91	93.9	221	271.8	47.9	1237	5.97	3	0.3	2.5
1393	0.43	28.22	11.95	78.9	23	31.7	20.4	416	4.61	7.7	0.8	3.6
1394	0.84	40.38	11.22	110.1	168	55.9	16.4	462	4.77	6.8	0.6	1.9
1395	3.05	49.51	8.33	134.5	789	43.1	9.9	516	3.25	39.8	0.7	0.8
1396	4.73	50.37	9.37	169.1	159	58.4	14.8	755	4.13	21.1	0.9	0.7
1397	1.17	56.76	6.55	145.1	156	58.7	15.4	661	4.32	4.4	0.7	1.3
1398	1.79	62.91	6.11	143.7	366	62.4	15.3	799	4.32	8.4	0.8	1
1399	2.61	22.69	28.48	64.2	620	20.6	6.1	224	2.49	11.6	1.3	2.4
1400	2.41	40.23	12.7	83.6	177	43.1	9	346	2.92	22.4	1	2.2
1401	3.36	37.13	8.17	120.4	722	41.7	10.9	377	3.48	46.9	0.8	0.7
1402	2.41	50.43	11.43	121.3	495	49.6	11	365	3.54	163.3	1.5	0.7
1403	1.61	18.72	17.41	50.6	72	28.5	9.5	178	2.64	17.1	1.1	8.7
1404	0.9	5.37	15.39	61.8	46	3.9	3.2	83	1.86	7.9	1.3	<0.2
1405	0.58	5.58	9.98	47.5	59	6.4	3.5	140	1.76	5.2	0.7	0.6
1406	0.46	6.85	9.19	45.9	34	7.9	3.7	172	1.75	3.5	0.8	1.2
1407	0.61	6.48	8.35	42.1	41	9.9	5.5	212	1.95	5.2	0.5	2.3
1408	0.38	5.52	18.39	47.3	37	4.1	2.4	186	1.2	2.9	1.5	2
1409	0.68	5.59	14.22	49.6	60	6.3	6.5	396	1.83	4.5	1.1	1.6
1410	0.77	5.75	11.11	38.2	140	6.3	2.8	214	1.59	4.7	0.5	<0.2
1411	0.68	7.27	25.9	43.9	95	4.2	2	107	1.48	5.8	1.2	0.8
1412	0.52	9.69	13.09	43.1	35	7.6	3	206	1.55	4.1	1.8	1.2
1413	0.8	13.55	12.5	52.2	30	12.6	5.1	270	1.91	5.4	3	2.5
1414	0.53	6.76	11.3	38.7	69	6.5	2.5	242	1.32	3.3	1.8	0.9
1415	0.83	6.68	11.82	27.4	83	6.1	2.5	190	1.55	4.1	0.9	1.4
1416	1.25	6.56	8	31.5	90	5.9	2.5	180	1.51	5.2	1.1	2.4
1417	1.03	14.97	12.25	45	56	15.6	6.1	186	2.05	9.7	1.5	1
1418	1.05	7.38	9.12	42.2	45	8.8	4.2	162	1.87	7.6	1.3	5.2
1419	1.37	12.19	13.65	54.4	75	13.8	5.4	193	2.56	9.3	1.2	1.5
1420	1.17	54.7	13.77	67.3	312	113.9	15.2	488	3.07	9.5	0.8	1.9

#	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba
1093	8.4	8.7	0.14	0.69	0.19	43	0.08	0.022	11.6	24.2	0.42	176.5
1094	5.9	9.4	0.14	0.68	0.19	30	0.1	0.025	9.8	15.8	0.35	119.1
1095	9	11.2	0.06	0.54	0.16	16	0.07	0.014	18.5	8.8	0.26	138.7
1096	8.3	9.4	0.04	0.64	0.18	23	0.06	0.008	14.2	11.1	0.33	105.7
1390	3.4	20.2	0.14	0.36	0.17	138	0.81	0.058	11.6	111.7	2.17	322.8
1391	2.5	17.1	0.13	0.54	0.15	116	0.8	0.048	12.2	64.3	1.61	381
1392	1.8	28.4	0.18	0.52	0.13	204	0.59	0.059	8.3	348.3	3.46	538.4
1393	7.7	14.2	0.06	2.21	0.08	73	0.23	0.023	26.3	73	1.43	378.6
1394	8	17.4	0.09	1.46	0.16	75	0.46	0.102	20.4	52.1	1.94	261
1395	3.2	26.4	0.7	1.77	0.11	84	0.77	0.196	11.4	44.9	1.22	498.1
1396	3.2	28.4	0.6	0.36	0.12	167	0.63	0.176	8.8	87.5	1.76	491.5
1397	3.3	25	0.43	0.18	0.13	171	0.58	0.127	10.3	107.1	1.98	713.6
1398	4.1	23.1	1.14	0.17	0.11	154	0.44	0.122	28.2	94.9	2.09	701.2
1399	15.2	47.7	0.56	0.81	0.14	24	0.3	0.059	44.2	14.7	0.31	236.2
1400	7.3	27.3	0.41	0.48	0.14	73	0.4	0.04	30.8	50.1	0.94	286.5
1401	3.2	15.2	0.5	0.35	0.12	114	0.24	0.117	7.7	62.6	1.45	213.2
1402	6.3	14.9	0.44	0.41	0.17	105	0.15	0.045	33.6	69.5	1.45	215.1
1403	13.6	11.6	0.1	0.74	0.15	38	0.09	0.017	16.4	25.7	0.48	145.2
1404	14.4	14.5	0.03	0.32	0.15	11	0.08	0.008	14.7	5.8	1.34	117.4
1405	6.7	15.5	0.05	0.28	0.14	20	0.1	0.009	9.4	10.1	1.2	86.8
1406	9	15.4	0.03	0.25	0.11	23	0.12	0.006	39.2	13.3	1.17	134
1407	3.8	17.6	0.04	0.31	0.12	33	0.15	0.013	9	14.2	0.93	140.8
1408	13.3	14	0.04	0.25	0.18	9	0.11	0.011	42.1	5.8	0.71	88.2
1409	10	12.2	0.04	0.27	0.24	27	0.12	0.022	6.8	10.8	0.9	114.9
1410	2.3	16.6	0.09	0.26	0.19	38	0.13	0.028	10	11.8	0.47	119.1
1411	16.3	3.8	0.04	0.59	0.34	9	0.03	0.005	19.1	7.3	0.52	72.8
1412	12	12	0.02	0.42	0.13	22	0.1	0.007	43.9	14.4	0.47	102.6
1413	12.6	10.6	0.07	0.56	0.12	30	0.08	0.008	39.3	19.2	0.34	118.1
1414	10.7	8.9	0.04	0.39	0.08	16	0.08	0.009	39.6	9.8	0.17	123.7
1415	5.8	12.2	0.05	0.36	0.18	42	0.12	0.014	25.5	10.9	0.16	144.7
1416	3.9	9.6	0.08	0.62	0.18	36	0.06	0.018	11.4	10.2	0.14	138.8
1417	11.8	8.1	0.06	0.67	0.13	32	0.06	0.015	16.4	22.1	0.34	126.5
1418	9.1	6.6	0.08	0.53	0.14	29	0.05	0.021	11.5	14.3	0.22	79.4
1419	10.7	7.9	0.09	0.54	0.16	47	0.06	0.021	16.1	24.2	0.36	126.3
1420	4.2	35.2	0.21	0.94	0.13	46	0.81	0.061	17.2	76.4	1.03	279.8

#	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te
1093	0.035	1	1.68	0.007	0.06	0.2	2.2	0.1	<0.02	64	0.3	0.03
1094	0.024	1	1.34	0.005	0.09	0.1	1.6	0.12	<0.02	34	0.2	0.04
1095	0.02	1	0.8	0.004	0.09	<0.1	1.3	0.14	<0.02	27	<0.1	0.02
1096	0.02	<1	0.98	0.004	0.06	<0.1	1.4	0.16	<0.02	22	0.1	<0.02
1390	0.08	<1	3.01	0.004	0.18	<0.1	13.9	0.13	<0.02	48	1	0.04
1391	0.074	<1	2.64	0.007	0.21	<0.1	12.6	0.13	<0.02	71	0.6	<0.02
1392	0.275	<1	3.79	0.002	0.9	<0.1	19	0.82	<0.02	62	0.6	<0.02
1393	0.183	<1	2.17	0.003	0.43	<0.1	10.5	0.45	<0.02	125	0.7	<0.02
1394	0.213	<1	2.66	0.002	0.89	<0.1	5.2	0.64	<0.02	38	0.7	0.07
1395	0.095	1	1.75	0.005	0.52	<0.1	4.5	0.35	<0.02	47	1.8	0.05
1396	0.202	<1	2.59	0.004	0.7	<0.1	5.9	0.72	<0.02	20	2.1	0.04
1397	0.299	<1	3.09	0.004	1.2	<0.1	6.8	0.75	<0.02	14	1.2	0.04
1398	0.268	<1	3.09	0.003	1.16	<0.1	6.1	1.03	<0.02	13	1.9	0.09
1399	0.019	<1	0.81	0.026	0.1	<0.1	1.8	0.16	0.12	48	2.3	<0.02
1400	0.086	<1	2.1	0.009	0.07	0.1	4.5	0.14	<0.02	68	1.8	0.05
1401	0.13	1	2.44	0.002	0.43	0.1	3.5	0.35	<0.02	27	2.3	0.05
1402	0.11	<1	2.65	0.004	0.16	<0.1	4.5	0.34	<0.02	24	1.6	0.05
1403	0.045	<1	1.78	0.004	0.06	0.1	2	0.11	<0.02	29	0.8	<0.02
1404	0.052	<1	1.94	0.003	0.12	<0.1	1.2	0.27	<0.02	<5	0.6	<0.02
1405	0.06	<1	1.83	0.003	0.08	<0.1	1	0.13	<0.02	8	0.2	<0.02
1406	0.085	<1	1.75	0.004	0.12	<0.1	1.3	0.18	<0.02	9	0.2	<0.02
1407	0.076	2	1.47	0.005	0.09	0.1	1	0.09	<0.02	10	0.4	<0.02
1408	0.029	<1	1.13	0.003	0.15	<0.1	1	0.2	<0.02	14	0.4	<0.02
1409	0.066	<1	1.46	0.004	0.19	0.1	1	0.2	<0.02	9	0.3	<0.02
1410	0.046	<1	1	0.005	0.06	<0.1	0.9	0.1	<0.02	17	0.4	0.04
1411	0.019	<1	1.47	0.001	0.14	<0.1	1.9	0.31	<0.02	24	0.2	<0.02
1412	0.032	<1	1.17	0.004	0.06	0.1	1.9	0.1	<0.02	65	0.5	<0.02
1413	0.041	<1	1.2	0.005	0.07	0.1	2.8	0.11	<0.02	80	0.5	<0.02
1414	0.019	<1	0.77	0.004	0.07	<0.1	1.2	0.1	<0.02	43	0.2	<0.02
1415	0.053	<1	0.75	0.004	0.07	0.1	1	0.08	<0.02	20	0.5	<0.02
1416	0.039	<1	0.65	0.003	0.06	0.1	1	0.08	<0.02	27	0.4	<0.02
1417	0.042	<1	1.63	0.004	0.06	0.1	2.2	0.14	<0.02	49	0.5	0.03
1418	0.03	<1	1.13	0.003	0.06	0.1	1.4	0.1	<0.02	40	0.4	<0.02
1419	0.047	<1	1.97	0.003	0.06	0.2	2	0.12	<0.02	32	0.4	0.04
1420	0.075	<1	1.4	0.008	0.28	<0.1	5.1	0.2	0.04	120	0.9	0.02

#	Ga
1093	4.2
1094	3.9
1095	2.6
1096	3.3
1390	8.5
1391	6.8
1392	10.8
1393	6.6
1394	8
1395	5.1
1396	8.3
1397	10.4
1398	9.4
1399	2.1
1400	5.8
1401	6.6
1402	7.4
1403	3.6
1404	5
1405	5
1406	4.8
1407	4.2
1408	3.5
1409	5.1
1410	4.8
1411	4
1412	3.5
1413	4
1414	2.6
1415	4.9
1416	4.3
1417	4.1
1418	4.2
1419	5.8
1420	3.8

#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au
1421	0.9	47.87	10.77	79.4	222	55.8	19	792	4.25	7.3	0.8	1.5
1422	1.37	31.92	9.86	74.2	369	45.4	11.9	607	2.69	8.4	0.9	0.9
1423	1.63	49.6	5.07	133.5	388	53.8	11.7	578	3.79	6.4	0.6	1.3
1424	2.25	48.18	6.43	125.5	325	43.9	9.3	462	3.1	7.1	1.3	2.6
1425	2.4	63.53	8.72	183.6	329	62.6	13.2	685	4.34	8.8	1.4	2
1426	1.54	33.8	9.1	75.8	269	27.9	8.7	357	3.01	12.8	1.4	6.7
1427	2.99	25.87	14.15	81.3	227	24.2	5.9	215	2.54	23.6	1.3	2.3
1428	2.98	37.29	17.57	100.6	1070	38.5	6.5	346	2.17	25.3	1.3	3.3
1429	3.93	61.56	7.63	162	487	61.6	11.8	685	3.98	36	1.5	1.5
1430	3.28	51.1	13	169.5	788	62.8	11.5	605	3.26	56	1.6	2.3
1431	1.45	11.33	17.45	38.4	88	13.2	3.9	86	2.02	20.4	0.9	1.3
1432	0.87	10.51	13.07	40.5	204	11.6	5.4	127	2.05	6.8	0.8	2.1
1433	0.43	6.07	14.46	54.6	51	5	3.1	177	1.7	4.2	1	0.3
1434	0.5	7.33	14.45	57.6	34	5.3	2.7	141	1.59	3.9	1.4	0.5
1435	0.71	9.22	12.06	52.4	40	11.1	5	204	2.18	6.4	1	1
1436	0.42	8.67	21.95	49	40	8.9	3.9	156	1.72	4.6	1.1	0.7
1437	0.78	5.63	13.23	31.6	191	5.4	2.7	140	1.39	8.1	1.3	0.9
1438	0.71	10.32	18.08	40	706	8.3	3.7	198	1.83	7.9	1.5	2
1439	1	7.88	15.33	47.1	232	9.7	5.4	481	2.14	6.9	1.3	0.7
1440	1.13	12.21	20.07	53.5	143	13.9	5.9	198	2.47	9.2	1.6	0.8
1441	1.18	9.66	18.88	43.7	250	7.1	3.8	145	1.68	5.9	2.9	1.2
1442	0.31	6.06	7.99	28.6	57	4.1	2.2	98	1.02	3	1.3	0.4
1443	0.79	14.41	11.88	48.6	96	14.3	5.3	196	2	7	1.6	1.7
1444	0.99	24.31	12.72	50.8	95	25.7	8.9	320	2.76	11.1	1.3	3.5
1445	1.06	10.75	12.56	48.5	116	13.1	5.9	399	2.27	8.2	0.9	3.2
1446	0.97	13.32	11.11	58.4	92	16.4	6.7	298	2.25	10	1.1	1.2
1448	1.5	15.95	12.27	58.7	89	21.5	9	346	2.99	11.8	0.9	1.6
1449	1.36	12.85	13.33	71.8	164	16.5	7.5	496	2.85	10.1	0.8	1.4

#	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba
1421	4.1	29.7	0.09	0.51	0.15	105	0.6	0.028	16.2	76.5	1.35	425.9
1422	3.5	40.5	0.46	0.88	0.14	42	1.16	0.066	27	46.5	0.8	307.9
1423	3.6	25	0.66	0.3	0.07	127	0.73	0.13	13.8	93.8	1.74	578.4
1424	3	33.8	0.86	0.35	0.11	96	0.83	0.132	20.2	55.8	1.26	470.8
1425	5	26.4	1.21	0.34	0.16	142	0.59	0.136	34	79.6	1.62	744.2
1426	4.7	19.2	0.39	0.47	0.25	81	0.31	0.057	17.9	44.4	0.93	437.3
1427	7.4	31.1	0.3	0.55	0.21	59	0.57	0.06	21.2	34.8	0.77	304.4
1428	6.5	56.2	2.28	1	0.23	38	1.02	0.155	37.2	27.2	0.44	247.6
1429	4.5	36.8	0.95	0.42	0.49	127	0.9	0.267	24.7	87.6	1.92	460.4
1430	9.6	41	1.7	0.53	0.2	126	0.88	0.189	65.6	85.8	1.75	341.2
1431	11.3	8.7	0.06	0.48	0.2	20	0.07	0.012	18.2	12.8	0.64	112.7
1432	10.3	9.1	0.12	0.35	0.19	37	0.06	0.011	17.6	21.2	0.71	136.2
1433	15.8	12.6	0.06	0.3	0.22	11	0.1	0.008	18.6	6.6	1.48	103.2
1434	15.7	14.8	0.03	0.36	0.21	14	0.09	0.006	28.4	8.8	1.14	82.8
1435	9.6	18	0.06	0.36	0.16	32	0.15	0.011	21.6	18.6	1.27	156.9
1436	14	10.7	0.05	0.34	0.2	20	0.09	0.009	24.5	13.3	0.95	76.3
1437	8.8	6.6	0.04	0.38	0.15	20	0.06	0.01	14.9	9.9	0.23	84.7
1438	13.8	7.6	0.07	0.47	0.14	24	0.06	0.016	22.8	14.4	0.25	113.3
1439	8.7	12.8	0.07	0.32	0.16	34	0.11	0.032	17.5	15.5	0.28	247
1440	15.4	7.7	0.06	0.47	0.25	31	0.06	0.014	20.7	18.4	0.4	120.7
1441	18.9	4.5	0.05	0.41	0.22	14	0.04	0.01	35.4	9.3	0.26	67.6
1442	12.8	5.3	0.03	0.26	0.07	11	0.04	0.005	22.8	7	0.26	57.6
1443	15	9.2	0.05	0.56	0.14	32	0.08	0.011	28.1	21	0.34	125
1444	11.9	14	0.09	0.6	0.18	54	0.13	0.018	25.7	34.9	0.47	213.2
1445	6.3	12.2	0.15	0.48	0.17	46	0.11	0.024	15.1	21.4	0.29	187.4
1446	8.2	12.2	0.15	0.56	0.17	43	0.13	0.018	14.4	22.7	0.32	182.8
1448	5.8	12.9	0.11	0.54	0.23	55	0.11	0.034	14.8	29.2	0.42	206.6
1449	6.4	15.4	0.12	0.45	0.26	66	0.14	0.034	17.4	29.2	0.39	248.4

#	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te
1421	0.136	<1	2.49	0.008	0.15	<0.1	8.3	0.16	<0.02	77	0.8	0.03
1422	0.06	<1	1.26	0.005	0.21	<0.1	2.8	0.26	0.03	102	1.2	0.03
1423	0.175	<1	2.58	0.005	0.88	<0.1	5.8	0.42	<0.02	26	1.3	0.04
1424	0.124	<1	2.03	0.008	0.3	0.1	4.7	0.31	<0.02	53	1.4	0.03
1425	0.211	<1	2.5	0.006	1.01	<0.1	6.7	1.79	<0.02	53	1.6	0.05
1426	0.082	1	1.93	0.004	0.22	0.1	3.8	0.22	<0.02	48	0.8	0.05
1427	0.049	1	1.46	0.006	0.1	0.1	2.8	0.29	0.02	42	1.6	0.03
1428	0.031	1	1.02	0.015	0.1	0.3	2.8	0.19	0.09	161	2.6	0.05
1429	0.136	<1	2.69	0.001	0.63	<0.1	6	0.67	<0.02	41	2.8	0.1
1430	0.08	<1	2.46	0.004	0.1	0.2	6.2	0.35	<0.02	72	3.1	0.04
1431	0.018	<1	1.64	0.004	0.04	<0.1	1.4	0.14	<0.02	20	0.5	<0.02
1432	0.042	<1	2.04	0.003	0.04	0.1	1.9	0.12	<0.02	22	0.3	0.04
1433	0.04	<1	2.12	0.001	0.09	<0.1	1.6	0.21	<0.02	12	<0.1	<0.02
1434	0.059	<1	1.73	0.002	0.1	<0.1	1.5	0.19	<0.02	16	0.1	0.02
1435	0.079	<1	2.12	0.003	0.12	<0.1	1.9	0.19	<0.02	10	0.2	0.02
1436	0.065	<1	1.58	0.003	0.18	<0.1	1.4	0.32	<0.02	10	0.2	<0.02
1437	0.023	<1	0.83	0.003	0.11	<0.1	1.2	0.16	<0.02	15	0.1	<0.02
1438	0.019	1	1.04	0.005	0.09	0.1	1.4	0.13	<0.02	23	0.2	<0.02
1439	0.026	<1	1.39	0.004	0.15	0.1	1.6	0.17	<0.02	10	<0.1	0.03
1440	0.047	<1	1.82	0.003	0.16	0.1	1.9	0.26	<0.02	21	0.2	0.02
1441	0.034	<1	1.09	0.003	0.17	<0.1	1.2	0.28	<0.02	23	0.1	<0.02
1442	0.021	<1	0.87	0.002	0.07	<0.1	1.3	0.14	<0.02	24	0.2	<0.02
1443	0.039	<1	1.66	0.003	0.09	0.1	2.5	0.16	<0.02	33	0.3	<0.02
1444	0.055	<1	2.4	0.005	0.07	0.1	3.3	0.12	<0.02	55	0.3	0.05
1445	0.041	<1	1.45	0.004	0.07	0.2	2.1	0.1	<0.02	27	0.2	<0.02
1446	0.037	<1	1.69	0.004	0.09	0.1	2.3	0.11	<0.02	25	0.1	0.03
1448	0.05	1	2.32	0.003	0.08	0.1	2.5	0.09	<0.02	36	0.3	0.04
1449	0.061	<1	2.23	0.004	0.08	0.2	2.7	0.15	<0.02	37	0.3	0.03

#	Ga
1421	7.9
1422	3.7
1423	8.5
1424	6.2
1425	8.2
1426	5.8
1427	4.9
1428	2.8
1429	7.9
1430	6.8
1431	3.5
1432	4.7
1433	6.3
1434	5
1435	5.5
1436	4.2
1437	3.3
1438	2.8
1439	4.7
1440	4.6
1441	3.1
1442	2.7
1443	4.6
1444	5.2
1445	4.7
1446	5
1448	5.6
1449	7.5

Originals

#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au
950	0.73	56.65	7.96	61.5	220	31.6	14.7	604	3.36	6.9	0.6	2.2
964	0.34	3.49	14.8	49.9	84	3.7	2	104	1.33	2.9	0.8	<0.2
983	1.47	11.45	21.11	46.6	103	10.1	4.2	181	2.21	9.5	1.4	2.8
1000	1.07	8.79	16.73	35.4	66	8.9	3.8	110	1.69	8.2	1.4	2.1
1026	0.69	32.29	7.69	64	39	49.2	18.9	508	3.71	5.3	0.5	<0.2
1051	0.74	4.71	10.48	25	221	4.1	2	108	1.22	3.6	0.6	0.9
1057	1.27	19.47	13.98	60.9	96	23.7	10.2	269	2.92	11.3	1.4	3.7
1071	2.01	68.72	11.08	174.3	166	64.5	16.5	826	5.39	15.2	0.9	5.6
1424	2.25	48.18	6.43	125.5	325	43.9	9.3	462	3.1	7.1	1.3	2.6
1433	0.43	6.07	14.46	54.6	51	5	3.1	177	1.7	4.2	1	0.3

Repeats

950	0.71	55.83	7.83	60.6	203	29.7	14	597	3.33	7.3	0.6	1.4
964	0.33	3.49	14.23	49.3	82	3.7	1.9	103	1.33	2.4	0.8	1
983	1.47	11.81	20.92	47.9	99	10.3	4.1	175	2.18	9.7	1.4	3.6
1000	1.09	9.3	17.55	37.1	59	9.7	4.1	111	1.75	7.6	1.4	3.3
1026	0.8	32.34	7.49	61.8	40	50.9	18.7	512	3.72	5.3	0.5	0.8
1057	1.26	20.14	14.41	59.6	92	24	10.2	280	2.94	11.7	1.4	2.9
1051	0.63	4.46	9.75	21.9	203	3.7	2	97	1.12	3.4	0.5	0.3
1071	2.08	68.97	11.17	171.5	178	63.3	16	812	5.35	15.4	0.9	1.8
1424	2.39	48.88	6.6	132.5	347	46.5	9.9	475	3.25	6.4	1.3	2.3
1433	0.36	5.02	12.32	47.2	42	4.3	2.7	148	1.47	3.6	0.8	0.3

Originals

#	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba
950	2.2	17	0.14	0.46	0.14	65	0.83	0.064	12.4	42.6	0.76	342
964	9.1	14.9	0.02	0.21	0.16	12	0.11	0.01	30.6	5.9	1.34	109.2
983	11.5	9.9	0.05	1.15	0.17	30	0.06	0.016	17.4	17.1	0.33	106
1000	11.1	10	0.06	0.42	0.18	23	0.07	0.012	34.7	15.5	0.58	106.6
1026	3.2	10.9	0.05	0.35	0.11	81	0.17	0.025	9	72.2	1.24	233.8
1051	3.3	6	0.07	0.3	0.17	32	0.04	0.02	7.4	8.2	0.12	82.4
1057	11.4	10.6	0.11	0.74	0.19	52	0.1	0.026	18.4	33.5	0.48	205.9
1071	4.3	20.3	0.91	1.2	0.37	164	0.5	0.129	16.8	100	2.05	588.7
1424	3	33.8	0.86	0.35	0.11	96	0.83	0.132	20.2	55.8	1.26	470.8
1433	15.8	12.6	0.06	0.3	0.22	11	0.1	0.008	18.6	6.6	1.48	103.2

Repeats

950	2.1	16.4	0.14	0.46	0.13	63	0.82	0.062	12.3	41.1	0.75	328
964	8.4	14	0.02	0.21	0.14	12	0.11	0.009	30.5	5.7	1.36	107.2
983	11	9.4	0.04	1.17	0.16	28	0.05	0.015	16.4	16.3	0.33	108.4
1000	11.5	10.6	0.07	0.45	0.21	23	0.07	0.013	36.3	14.3	0.56	102.6
1026	3.1	10.8	0.06	0.35	0.09	81	0.16	0.024	9	70	1.23	235.2
1051	12	11.5	0.15	0.74	0.21	53	0.1	0.026	19.4	35.2	0.5	209.4
1057	3.1	5.6	0.04	0.3	0.17	30	0.04	0.02	6.6	7.5	0.12	73.8
1071	4.1	20.7	0.87	1.18	0.29	163	0.54	0.136	16.4	95.1	2.04	583.7
1424	3	35	0.96	0.41	0.11	99	0.85	0.132	20.6	57.7	1.28	494.7
1433	13.6	10.7	0.05	0.26	0.19	10	0.09	0.008	15.9	5.3	1.27	90.9

Originals

#	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te
950	0.062	2	1.51	0.009	0.12	0.1	6.6	0.15	<0.02	80	0.5	<0.02
964	0.036	<1	1.6	0.005	0.14	<0.1	1	0.21	<0.02	12	<0.1	<0.02
983	0.031	2	1.41	0.006	0.06	0.2	2	0.15	<0.02	255	0.2	<0.02
1000	0.035	<1	1.47	0.004	0.05	<0.1	1.6	0.13	<0.02	12	0.2	<0.02
1026	0.094	<1	2.41	0.004	0.1	0.1	5.6	0.11	<0.02	16	0.2	<0.02
1051	0.031	<1	0.62	0.003	0.06	0.1	0.9	0.09	<0.02	17	<0.1	<0.02
1057	0.043	<1	2.35	0.004	0.05	0.2	3.2	0.11	<0.02	67	0.4	0.03
1071	0.231	6	3.14	<0.001	1.04	0.1	6.8	0.98	<0.02	46	1.3	0.07
1424	0.124	<1	2.03	0.008	0.3	0.1	4.7	0.31	<0.02	53	1.4	0.03
1433	0.04	<1	2.12	0.001	0.09	<0.1	1.6	0.21	<0.02	12	<0.1	<0.02

Repeats

#	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te
950	0.063	2	1.5	0.009	0.11	<0.1	6.3	0.15	<0.02	73	0.6	0.02
964	0.036	<1	1.62	0.005	0.14	<0.1	1	0.21	<0.02	11	<0.1	<0.02
983	0.029	<1	1.34	0.005	0.05	<0.1	2.1	0.15	<0.02	252	0.2	<0.02
1000	0.041	<1	1.46	0.005	0.06	0.1	1.6	0.14	<0.02	17	0.2	<0.02
1026	0.092	<1	2.42	0.004	0.1	<0.1	5.7	0.11	<0.02	26	0.1	<0.02
1051	0.048	<1	2.41	0.005	0.06	0.2	3.3	0.12	<0.02	73	0.3	<0.02
1057	0.027	<1	0.57	0.003	0.05	<0.1	0.8	0.09	<0.02	15	<0.1	<0.02
1071	0.23	4	3.14	<0.001	1.03	<0.1	7.1	0.95	<0.02	34	1.2	0.06
1424	0.137	1	2.08	0.009	0.3	0.1	4.8	0.35	<0.02	67	1.4	0.04
1433	0.033	<1	1.78	0.001	0.08	<0.1	1.5	0.17	<0.02	11	0.1	0.02

Originals

#	Ga
950	4.2
964	4.6
983	3.7
1000	3.4
1026	7
1051	3.5
1057	4.4
1071	10.9
1424	6.2
1433	6.3

Repeats

950	4.2
964	4.6
983	3.6
1000	3.7
1026	7.1
1051	4.6
1057	3.2
1071	10.6
1424	6.2
1433	5.3

DS8 Standard

Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
13.17	108.53	126.43	309.2	1731	38.6	7.5	617	2.48	24.2	2.7	114	6.4
11.76	106.16	125.51	320.5	1913	38.6	7.7	617	2.46	25.8	2.5	125.4	5.2
12.75	110.9	126.84	317.2	1776	39.3	7.7	614	2.46	23.9	2.8	116	6.9
12.32	116.79	138.87	343.3	1996	41.7	7.8	643	2.7	26.5	2.8	122	6.8
12.31	105.64	121.74	323.8	1794	35.6	7.1	624	2.46	25.7	2.8	104.7	6.4
13.63	107.04	124.95	315.4	1733	37.1	7.4	631	2.5	23.5	2.9	111.7	7.5
13.03	105.62	124.32	311.9	1797	36.4	7.3	596	2.46	25.2	2.7	111.9	6.8
12.06	102.7	121.79	311	1856	37.2	7.1	608	2.44	24.5	2.6	127.8	6.5
14.19	114.9	128.6	323.4	1923	40.8	7.9	629	2.64	25.8	2.9	116	7
12.72	108.25	127.17	315	1846	37.8	7.2	612	2.56	24.4	2.8	124	6.8
12.86	109.9	121.11	317	1708	36.3	7.4	592	2.49	25.5	2.9	112.5	7.1
12.24	107.71	117.6	299.8	1753	36	7.4	584	2.39	24.5	2.6	107.1	6.2
13.1	106.23	121.5	302.6	1741	36.2	7	609	2.43	24.2	2.6	112.4	6.5
10.24	113.15	125.93	326.6	1917	38.9	7.2	584	2.41	25	2.6	115.3	5.9
11.23	110.38	129.84	301	1783	38.3	7.5	587	2.41	24.4	2.7	104.4	6.3
13.83	112.72	129.03	305.5	1814	40	7.7	651	2.51	24.9	2.8	117.4	7
12.58	111.5	127.95	304.5	1827	37.4	7.5	627	2.51	24.6	2.7	116.7	6.6
12.87	107.86	121.43	309.6	1722	39.3	7.6	625	2.53	24.9	2.8	107.1	6.5
12.45	108.73	128.09	319.9	1889	36.2	7.3	633	2.51	27.9	2.8	118.1	6.7

Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti
65.7	2.24	5.62	6.16	42	0.72	0.079	14.7	120.1	0.6	262.4	0.114
57.1	2.35	5.19	6.2	40	0.69	0.081	11.3	124	0.62	263.7	0.097
60.8	2.21	5.34	6.45	44	0.69	0.079	13.2	117.6	0.62	256.1	0.108
68.8	2.51	6.03	7.3	45	0.74	0.088	13.6	128	0.66	262.9	0.109
71.3	2.39	5.99	7.39	41	0.73	0.086	15.4	119.2	0.6	285	0.109
67.4	2.37	5.49	6.3	41	0.72	0.081	16.3	120.6	0.62	271.6	0.122
64.8	2.3	5.39	6.54	41	0.72	0.083	15.4	121.5	0.63	274.2	0.109
62.1	2.27	5.35	6.24	40	0.68	0.081	13.3	120.8	0.6	269.7	0.102
67.5	2.41	5.66	7.02	43	0.74	0.084	15.4	127.8	0.63	285.5	0.119
66.5	2.34	5.73	6.39	41	0.72	0.08	16	122.8	0.63	267.5	0.109
65.3	2.25	5.54	6.55	39	0.72	0.085	15.7	119.5	0.6	281.9	0.11
63.7	2.24	5.17	6.17	40	0.71	0.076	14.6	116.7	0.59	257.1	0.108
68.6	2.22	5.51	6.54	44	0.72	0.083	15.9	120	0.59	287.3	0.116
56.7	2.42	5.19	6.54	42	0.67	0.085	11	116.5	0.59	240.5	0.096
55.9	2.25	5.22	6.37	42	0.68	0.084	12.4	114.6	0.58	250.7	0.099
67.1	2.31	5.56	6.08	41	0.73	0.082	16.3	126.8	0.62	268.2	0.121
63.1	2.29	5.37	6.1	42	0.69	0.085	14	124.1	0.63	272.3	0.109
70.5	2.25	5.4	6.65	41	0.74	0.083	17.7	119.5	0.62	274.1	0.132
70.5	2.52	6.06	7.3	42	0.73	0.089	13.8	121.1	0.62	288	0.106

B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
3	1.03	0.134	0.48	2.9	2.5	5.45	0.16	187	5	5.14	4.6
3	0.95	0.101	0.44	3.1	2.1	5.71	0.16	220	5.4	5.2	4.8
3	0.94	0.091	0.43	2.9	2.2	5.42	0.16	187	5.1	5.01	4.6
3	0.98	0.096	0.46	2.9	2.5	6.05	0.18	216	5.4	5.6	4.5
3	0.92	0.095	0.41	3	2.1	5.36	0.17	190	4.9	5.08	4.7
2	0.97	0.106	0.43	3	2.6	5.24	0.16	196	5.1	4.9	4.7
3	0.99	0.099	0.42	2.7	2.2	5.47	0.16	205	4.7	4.9	4.6
3	1.01	0.125	0.45	3.2	2.5	5.67	0.15	202	5.3	5.33	4.8
3	0.98	0.101	0.44	2.9	2.4	5.62	0.18	214	5.2	5.12	4.9
2	0.99	0.102	0.43	3.1	2.5	5.75	0.16	190	5.5	5.09	5
3	0.93	0.095	0.42	2.9	2.4	5.52	0.16	190	5	5.05	4.7
2	1	0.13	0.44	2.8	2.6	5.27	0.15	211	5	4.8	4.8
3	0.94	0.099	0.42	3.1	2.3	5.5	0.15	208	5.3	5.07	4.8
3	0.89	0.095	0.42	2.8	2	5.31	0.16	181	5.1	4.79	4.4
3	0.92	0.108	0.43	2.9	2.1	5.36	0.16	190	5	4.92	4.5
3	0.99	0.099	0.44	3	2.4	5.77	0.17	226	5.6	5.34	4.9
3	0.98	0.103	0.45	3	2.2	5.59	0.17	220	5.3	5.07	4.8
2	1.05	0.089	0.46	2.7	2.1	5.27	0.16	202	4.9	4.78	4.6
3	0.97	0.109	0.45	3.1	2.2	5.61	0.16	222	5.2	5.18	4.6

Blanks

Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1

Blanks

Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1

Blanks

Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

Rock Samples

	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U
1035853	1.43	0.4	3.72	18.68	43.7	92	3.9	2.9	1057	1.32	3.4	1.5
1035861	0.79	0.76	1.3	16.56	11.5	364	1.5	1.8	425	0.36	2.2	0.8
1035862	1.27	0.09	5.15	23.3	34.1	89	1.8	1.2	142	0.88	1.4	1.2

	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
1035853	7.5	23	44.5	0.1	0.3	0.2	5	1.17	0.02	107.8	5.2	1.37
1035861	7.6	1.3	4.4	0.03	0.24	1	<2	0.02	0.007	7.1	7.6	0.05
1035862	1.2	17.1	10.8	0.03	0.11	0.28	3	0.09	0.018	31.4	7.4	0.75

	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se
1035853	305.4	0.02	<1	1.61	0.06	0.34	<0.1	1.8	0.25	<0.02	11	<0.1
1035861	153.8	0.003	<1	0.19	0.008	0.24	<0.1	0.3	0.06	<0.02	7	<0.1
1035862	115.8	0.005	<1	0.96	0.024	0.33	<0.1	0.9	0.15	<0.02	8	<0.1

	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce
1035853	<0.02	5.5	2.06	<0.1	0.07	0.16	17.7	0.6	<0.05	2.5	19.84	172.3
1035861	0.07	0.5	0.15	<0.1	0.03	0.05	9.8	<0.1	<0.05	1.4	4.19	19.4
1035862	<0.02	3.5	0.72	<0.1	0.13	0.05	18.2	0.5	<0.05	4	9.69	83.7

1035853	In	Re	Be	Li	Pd	Pt
1035861	<0.02	<1	0.5	20.9	<10	<2
1035862	<0.02	<1	<0.1	0.7	<10	<2
	<0.02	<1	0.3	15.8	<10	<2

Reference Materials for Rock Samples

DS8 Standard

Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
14.46	118.13	129.3	328.8	1858	40.6	7.8	663	2.66	27.6	3	117.3	7.4
13.69	113.79	130.37	333.1	1895	37.9	7.7	653	2.7	26.4	2.9	118.7	7.3

Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B
71.5	2.52	5.88	7.14	44	0.75	0.086	16.8	126	0.64	291.5	0.129	5
73	2.48	5.97	7.02	46	0.77	0.086	18	129.3	0.66	296.5	0.126	3

Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
0.97	0.091	0.43	3.1	2.4	5.82	0.18	229	5.9	5.33	5	2.6	<0.1
0.99	0.096	0.44	3.1	2.6	5.68	0.17	209	5.5	5.65	5.1	2.65	<0.1

Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
0.07	1.38	41.1	7.4	<0.05	2.3	6.86	31.7	2.48	64	5.5	27.9	117
0.09	1.65	40.5	7.2	<0.05	2.4	6.82	32.9	2.33	61	6	26.8	119

Pt
377
369

Blanks fo Rock Samples

Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1

Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1
<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1

Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1

Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10
<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10

Pt
<2
<2

Prep Wash G1; Prep Blanks

Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
0.1	2.6	3.83	47.7	10	2.4	3.9	594	1.96	0.4	2.1	0.3	6
0.11	2.87	3.14	48.5	13	3.2	4.3	581	1.97	0.9	2.2	<0.2	6.6

Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B
65.2	<0.01	0.05	0.1	37	0.6	0.074	12.7	9.5	0.52	159.4	0.13	<1
65.3	0.01	0.06	0.09	40	0.54	0.08	13.2	9.6	0.55	181.1	0.135	2

Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
0.96	0.092	0.47	<0.1	2.1	0.31	<0.02	<5	0.3	<0.02	4.9	3.15	0.1
0.97	0.098	0.52	<0.1	2.3	0.32	<0.02	6	0.2	<0.02	5.1	2.91	<0.1

Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
0.11	0.58	43.2	0.7	<0.05	1.6	6.61	24.5	0.02	<1	0.3	30.7	<10
0.12	0.5	45.1	0.7	<0.05	1.6	6.86	25.6	<0.02	<1	0.4	31.4	<10

Pt
<2
<2