Prospecting Report for the Blackdome Mountain and Roaster Lake area: NTS Map Sheets 92 O/2 & 7

Latitude 51° 15′ N; Longitude 122° 35′ W

Clinton Mining Division

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GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,658

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SUMMARY

A prospecting program was conducted south and west of Blackdome Mountain and the area around Roaster Lake during the summer and fall of 2000 (Figure 1). It was targeted to explore for epithermal Au vein mineralization similar to that found at the Blackdome Mine to the northeast.

Twenty-two days were spent working in the field. The total cost for the program was about $13, 180. Forty-four new mineral claims were staked as a result of the prospecting program. These comprise three claim groups called the Richman 1, Richman 2 and Richman 3.

The prospecting program augmented previous government and industry geological and geochemical work that had been performed in the area in the 1980's. The 2000 program had four main objectives.

1) Investigate the area south and southeast of Flapjack Peak – called the Poorman area. A 57 ppb Au B.C. RGS stream sediment sample was collected from a westward draining stream in this area.
2) Assess the Au potential of the former Pony/Bobcat claim block – now called the Richman area.
3) Examine the area around the Hungry Valley and south of Roaster Lake for Au-vein mineralization.
4) Prospect the French Mountain area and Pony Valley for Au-vein mineralization

Westward draining streams in the Poorman area were tested for Au using heavy mineral pan concentrates (Figure 2). Only trace Au values were found (Table 2) and this suggests that the streams in this area eroded no Au-bearing veins. Soil geochemistry, using cold hydroxylamine leach, was employed on a north trending ridge located at the head waters of the westward draining streams to test for potential Au mineralization. This survey yielded ambiguous results. There is poor correlation between pathfinder elements associated with the mineralization at the Blackdome Mine and other epithermal veins. Samples with anomalous concentrations of Ag, Ba, Ca, Ce, Sr, K, La and U tended to be sporadic while As and Sb concentrations were near or at the detection limit. Contouring of the Ba, Ce, U and La geochemical data yielded one weak linear trend striking to the northeast. Contour plots of Ba,

Ce, La and U show a weak elongated northeast trend that overlaps one anomalous (25 ppb) Au result.

In the Richman area, occurrences of vuggy quartz float (Figure 3) and old trench and drill data indicate the presence of silicified clay altered fault zones. Inspection of old drill core revealed the presence of several quartz-sealed breccia zones somewhat similar in mineralogy and texture to those at the Blackdome Mine. To date previous sample results of core and outcrop have returned low Au values, usually <20 ppb but high Hg values, some >10,000ppb. One sample of quartz float collected on the southern boundary of the Richman 2 claim group (Figure 1 & Table 4) contained anomalous Ag (9.6 ppm) and Pb (754 ppm).

A small three line soil grid was sampled on the Richman claims between the old Lexington baseline and an outcrop of dacite in the east (Figure 3). The lines were oriented southeast to test for northeast trending mineralization. Like the Poorman soil data the Richman soil results display poor correlation between peak concentrations of the elements plotted. However, contouring does reveal some weak linear trends formed by above average concentration for some elements. These trends were found in Ag (Figure 5a), Ce (Figure 5g), La (Figure 5h), Cu (Figure 5I) and Zn (Figure 5 k) concentrations occurring between 0 and 200 E on the grid. There was partial overlap of the linear trending higher Ag, Cu and Zn concentrations between 75 and 100 E on the Richman grid. Some higher concentrations of As, Ba, Ca, Sr and K also occur in the area between 0 and 200E. These results suggest that there may be a northeast trending mineralized structure underlying the grid between about 0 to 200E.

The area south of Roaster Lake contains several northeast trending fault zones. Some of these contain quartz veinlets and quartz-sealed breccias with minor sulphides. The best example of these, called the Marco showing by previous workers, contains several quartz-rich sections. Unfortunately samples analyzed from this structure contained Au contents of <5 ppb (Table 6).

Prospecting of the French Mountain area and the Pony Valley was foregone in this program. The area was remote and access along overgrown and washed out roads/trails was difficult. This area remains to be examined at some future date.

INTRODUCTION AND STRUCTURE OF PROGRAM

The 2000 prospecting program was designed to begin an assessment of the epithermal-Au potential of the terrain around Roaster Lake southwest of the Blackdome mine, Blackdome Mountain. Work was done in an area extending south and west of the Blackdome property boundary to the south of Roaster Lake and west to Flapjack Peak (Figure 1). It focussed on physical prospecting, soil geochemistry and stream sampling. It augmented previous government and industry geological and geochemical work that had been performed in the area in the 1980's.

Location and Access

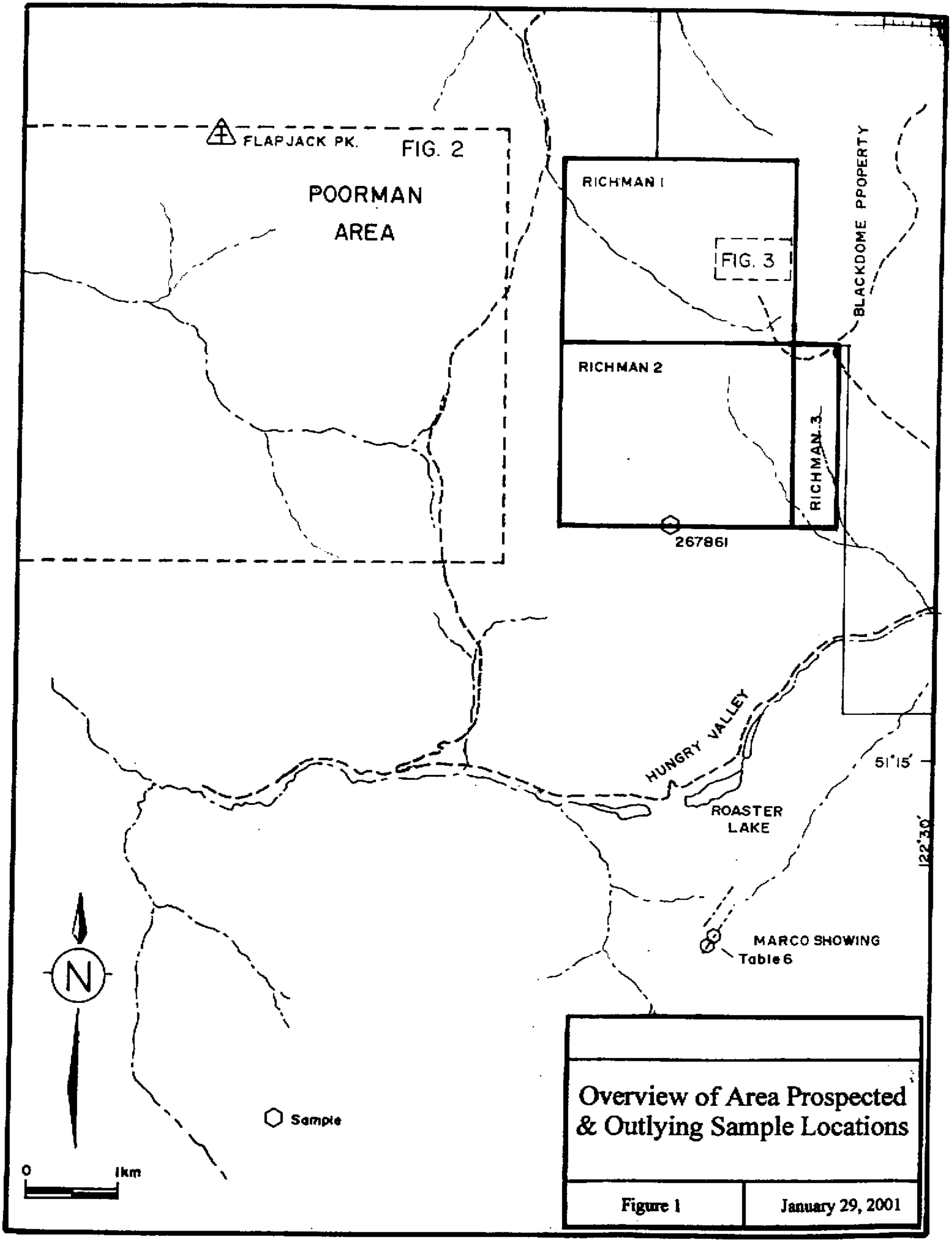
The area prospected is located in the Camelsfoot Range about 20 km west of the Fraser River, 70 km west-northwest of Clinton, B.C. It lies on N.T.S. mapsheets 92 0/ 2 & 7.

Access to the area is provided by an all-weather gravel road, which leaves Highway 97 about 17 km north of Clinton, B.C. The road leads westward and crosses the Fraser River via the Gang Ranch Bridge. The road then heads southward towards Empire Valley. Just south of Brown Lake the Blackdome mine road turns off. This road is about 32 km long and is driveable by normal 2 wheel drive vehicles under dry conditions to Blackdome Mountain. From there four wheel drive mining and fire roads lead southward and westward into the prospecting area.

Summary of Geology

Blackdome Mountain is an Eocene-aged calc-alkaline volcanic centre. It is composed of shallow dipping layer-cake stratigraphy made-up of alternating beds of andesitic, dacitic and rhyolitic flows, breccias, tuffs and volcanic-derived sediments. The Eocene volcanic rocks are part of a regional formation. They are underlain by older Lower Cretaceous-aged conglomerate of the Jackass Mountain Group in the southern part of the area explored. Dark Miocene-aged basalt flows and breccias of the Chilcotin Group cap the Eocene volcanics and are often prominently exposed on topographic high points. Glacial drift, which includes till and fluvial deposits, forms an extensive blanket that covers the country rocks at lower elevations.

Epithermal Au mineralization at the Blackdome mine occurs in low-sulphidation quartz veins, which display characteristic open-space filling textures. The veins are composed of



Overview of Area Prospected & Outlying Sample Locations

Figure 1

January 29, 2001

several phases of, amorphous and fine-grained to coarse-grained sub-to euhedral crustiform and cockscomb quartz. The quartz is accompanied by significant adularia, calcite and clay minerals including Ca-K montmorillonite, illite, mixed illite/smectite and minor kaolinite (Vivian, 1988). Sulphides are sparse in the Blackdome veins and are generally fine-grained. Sulphides include pyrite, Ag-sulphosalts, acanthite, chalcopyrite, galena, sphalerite and marcasite. Gold occurs in native form and as electrum (Vivian, 1988).

The epithermal veins on Blackdome Mountain are contained in prominent north to northeast trending fault zones, which generally dip steeply to the west. They tend to be strongly argillically altered and stained by iron and manganese oxides. Propylitic alteration also occurs peripherally to the veins and may form an outer envelope to the argillic alteration. Green porphyritic andesite dykes intrude the vein-bearing faults locally.

Previous exploration work at the Blackdome mine has determined that Au, Hg, Sb are useful pathfinder elements for the epithermal mineralization. Previous workers in the area have also noted that economic Au mineralization at Blackdome is confined largely between the 1870 and 1960 m elevation and the veins at this level are generally better formed and the wall rocks are harder and less clay altered. At higher levels the veins become more discontinuous and occur as multiple stringers. Also, the wallrock tends to more clay altered. The Au content of the veins at upper levels is generally lower and higher grades occur more sporadically. These characteristics of the Blackdome veins may be related to a primary topographic control in the hydrothermal system. Also interesting is that all known economic mineralization at Blackdome Mountain appears to occur within several kilometres of the peak and this suggests that the Au mineralization in the area was deposited close to volcanic centres.

Objectives of the Prospecting Program and Previous Work

The prospecting program was conducted in the area contained in Figure 1. Traverses were conducted along available trails and roads and cross-country to examine outcrop for potential epithermal Au mineralization. Twenty-two days were spent in the field and the exploration of the area is still far from complete. The prospecting program for 2000 had three main objectives, which are outlined below.

1) Investigate the area south and southeast of Flapjack Peak for Au mineralization in the vicinity of an anomalous (57 ppb Au) stream sediment anomaly reported by the B.C.

Geological Survey Branch (B.C. RGS 35: No. 5583: see Figure 1 & 2). The anomalous B.C. RGS sample was of silt.

This area is referred to as the Poorman area in this report. The creeks in this area drain west-facing slopes and eventually flow into Churn Creek lying to the west. It was resolved to test the upper tributaries of the stream containing the anomalous B.C. RGS sample for Au using heavy mineral pan concentrates.

In addition, it was decided to do a small soil grid (200 x 500 m) in the Poorman area. Soil samples were taken at 50 m spacing on a north-striking ridge, which adjoins the anomalous drainage in the south (Figure 2). This ridge forms a prominent topographic high and it was thought that it could potentially represent a volcanic centre and contain Au-bearing mineralization similar to that at Blackdome Mountain.

The Poorman area has been previously explored by Ashworth Explorations Ltd. (Leriche, 1987); it was previously covered by the Foot 1 – 7 series mineral claims. The program by Ashworth Explorations Ltd. concentrated on geologic mapping, stream sediment sampling and soil sampling. The stream sediment samples were of silt and sand and one sample of 45 ppb Au was obtained from the same drainage as sampled in the B.C. RGS survey. The soil sampling performed by Ashworth Exploration Ltd. was on straight traverses profiling topographic high points and along contour. Sample intervals for the soil program were fairly wide at about 100 m spacing. Three anomalous Au results ranging from 25 to 50 ppb were obtained from a suite of 222 samples. In addition, there were three anomalous Hg samples (up to 150 ppb) and two anomalous Zn samples (up to 169 ppm). However, the anomalous Au, Hg and Zn results were not coincidental and generally the anomalous samples tended to be scattered. A higher (20 ppb Au) result was obtained from a soil sample taken just to the northeast of the ridge sampled in this survey. The ground around the anomalous Au samples reported by Leriche (1987) was inspected during the course of doing the heavy mineral survey.

2) Assess the Au potential of the Richman area covered by the former Pony/Bobcat claim block and now by the recently staked Richman claims just southwest of Blackdome Mountain (Figure 1).

Several parties have previously explored this area. In 1981 Mr. R. Dunn obtained anomalous Au values from heavy mineral samples from creeks draining the area. Unfortunately, the location of these samples is unknown. Other samples from altered and silicified float reportedly contained up to 2010 ppb Au; these samples were found on line with the southwestern projection of the Blackdome vein system (Heine, 1988 a & b). In 1982, 23 soil samples were collected along a contour-parallel traverse (Fipke and Capell, 1983); of these three were very anomalous in Au (at 1180 – 2555 ppb). The approximate location of the traverse containing these samples was just east of the old Lexington baseline and curved around to the east of the volcanic outcrop (unit 2) shown on Figure 3.

In 1986 the Pony claims were re-staked as the Bobcat claims and then subsequently sold to Lexington Resources Ltd. More exploration was done by Ashworth Explorations Ltd. for Lexington Resources Ltd. in the late 1980's. A program of geological mapping, soil sampling and trenching was followed by diamond drilling (Heine, 1988 a & b). This program identified several argillically altered fault zones of similar attitude as those found at Blackdome Mountain. Some of these structures contained quartz stringers and quartz sealed breccias with open-space filling textures; some contained significant sulphides. However, assay values of samples taken in trenches and core did not return any significant Au values. A "high" Au value of 120 ppb was obtained from a blocky-brecciated clay-rich zone with quartz veinlets in one drill hole. The same interval contained mercury values up to 6100 ppb. Lower Au values (generally below 70 ppb) were returned from other similar clay-rich silicified zones. A few of these contained sporadic high Hg values exceeding 5000 ppb.

The prospecting done in this program sought to investigate the origin of the anomalous Au in the soil samples reported by Fipke and Capell (1983). The surface in the area was investigated for mineralized float and a soil grid of three lines was established east of the old Lexington baseline (Figure 3). These lines cut across the soil traverse of Fipke and Capell (1983) and would intersect any potential north to northeast striking veins present. Soil samples were taken at 25 m intervals and analyzed using cold hydroxylamine leach and multi-element ICP analysis at ALS-Chemex Laboratories Ltd., North Vancouver, B.C.

The core from one dozen holes drilled by Lexington Resources Ltd. in 1988 was re-organized and re-piled. It was then examined for mineralization and altered fault zones. Several holes intersected quartz-sealed breccia zones, which were contained in argillically altered faults. Sulphides were rare; the most abundant sulphide was pyrite, which was generally contained in the altered wall rock. The host rocks consisted of medium to green-grey (+/-) pyroxene-feldspar-porphyritic dacite to andesite. Occasional beds of autoclastic volcanic breccia, ash layers, heterogeneous volcanic blockstone, and fine to coarse-grained volcanic sandstone occurs in the stratigraphy. The volcanic blockstones contained a mixture of porphyritic dacite and andesite blocks up to 10's of centimetres across. Pale rhyolite fragments were noted in places. Generally these blockstones are unbedded and probably were locally derived. Some of the sandstone layers are well bedded and grain size varies from fine to coarse. Some of the coarse-grained sandstone beds contained flattened pumice fragments. Minor laminated mudstone and fine-grained ash beds are contained in the sandstone layers. Like the volcanic blockstones the sandstones were largely derived from andesitic and dacitic volcanics but are more reworked, likely in an aqueous setting.

3) Prospect the Hungry Valley drainage west of the Blackdome property boundary and the area south of Roaster Lake for epithermal-style Au-bearing vein mineralization.

4) Prospect the area around French Mountain and the Pony Valley for epithermal Au veins. This area is located southeast of Roaster Lake and is not shown on Figure 1.

RESULTS

Soil Geochemistry – Orientation Survey

Two orientation traverses of 9 and 6 samples at 25 m spacing were conducted over the south extension of the 1 and Watson veins respectively on Blackdome Mountain. These traverses were done in order to determine the nature of chemical response given in soil by Au-bearing veins in the area. This orientation survey served as a guide for assessing other soil geochemistry performed in the prospecting program in the Poorman and Richman areas.

The soil samples taken for the orientation survey were of the B-horizon and analyzed by cold hydroxylamine leach followed by multi-element ICP analysis. The samples were also analyzed for Au by fire assay performed on a split of the –80 mesh fraction. ALS-Chemex Ltd., North Vancouver, B.C performed all analyses and preparatory work for the soils.

The results for selected elements were graphed on plots of element concentration versus distance and these are presented in Appendix 1. The elements chosen for examination and presentation were confined to those that are known to be elevated in and around epithermal-Au deposits and to certain others that occurred at levels significantly above the detection limit over the two veins.

Some individual sample results in the traverses were below the detection limit. In order to plot these results and treat them statistically they were assigned a value of half the detection limit (e.g. a <0.005 ppm Sb result was converted to 0.0025 ppm for the purposes of doing calculations).

Table 1 provides a summary of the chemical response of selected elements in the orientation survey over the 1 and Watson veins.

Several elements were found to form single or double concentration peaks over and adjacent to the vein trace in one or both of the traverses conducted. These include Au, Ag, As, Ca, Ce, K, La, Sb, Sr and U. All members of this group were considered as potential indicator elements for epithermal veins and were used in assessing the soil data from the areas prospected. Of these, Au, Ag, As and Sb are reported in the literature as classic pathfinder elements for epithermal-style vein mineralization. Ca and Sr have been shown to be useful elements for identifying deeply buried Au-vein mineralization in arid and semi arid environments (Smee, 1998). Several of the rare-earth elements displayed peaks over or adjacent to the 1 or Watson vein but it was decided to use only Ce and La in the assessments of the Poorman and Richman soil surveys in an effort to shorten the length of this document.

The response of the elements Au, Ag, As, Ca, Ce, K, La, Sb, Sr and U over the 1 and/or Watson vein varied considerably in intensity. As and Sb displayed a generally low response with maximum values only being 6 and 3 times the detection limit respectively. Other elements in the group such as Ag, Ce, La and U gave a low-resolution response in which peak values were not greatly higher than the background concentration. For example, peak values for La and Ce ranged only 1 to 1.5 ppm more than the lows in the survey while Ag and U displayed resolutions of < 0.06 ppm.

Other elements occurred in measurable amounts but displayed ambiguous results in the orientation survey. Barium and Zn for example displayed peak concentrations at or near the centre for one of the two traverses and a high value at the periphery of the traverse. However, Ba values were considered in the assessment of soil surveys in the Richman and Poorman areas. This was done because the peripheral high-Ba value recorded in the orientation traverse over the Watson vein occurred down slope from the vein trace and may reflect dispersion from that structure.

Table 1: Summary of orientation soil survey over the I and Watson veins, Blackdome Mountain.

	Character of Geochemical Response		Max.	Min.	Range	Det. Lim.
	I Vein	Watson Vein	ppm	ppm	ppm	ppm
Au	No distinct peak Flat pattern	Offset peak	35 ppb	<0.005 ppb	>30 ppb	5 ppb
Ag	Offset and centered peaks	Offset peak	0.066	0.01	0.056	0.002
As	Two peaks beside vein trace	No distinct peak High sample at edge of traverse	0.6	<0.1	>0.5	0.1
Ba	No distinct peak Flat pattern	Distinct centred peak High value at edge of traverse	43.3	6.3	37.0	0.05
Ca	No distinct peak Ambiguous sawtooth pattern	Distinct centred peak	1100	<10	>1090	10
Ce	No distinct peak Ambiguous sawtooth pattern	Distinct centred peak	2.71	0.56	2.25	0.005
Cu	No distinct peak Ambiguous sawtooth pattern	No distinct peak Flat pattern	0.85	0.25	0.60	0.05
Fe	No distinct peak Ambiguous sawtooth pattern	No distinct peak Ambiguous sawtooth pattern	490	135	355	5
K	No distinct peak Ambiguous sawtooth pattern	Offset peak	125	15	110	5
La	No distinct peak Ambiguous sawtooth pattern	Distinct centred peak	1.38	0.255	1.12	0.005
Mn	Ambiguous multiple highs	No distinct peak High at edge of traverse	46.1	3.0	43.1	0.1
P	No distinct peak Ambiguous sawtooth pattern	No distinct peak Ambiguous sawtooth pattern	215	<5	>210	5
Pb	No distinct peak Ambiguous sawtooth pattern	No distinct peak High at edge of traverse	1.2	0.3	0.9	0.1
Sb	Offset peak	Distinct centred peak	0.015	<0.005	>0.010	0.005
Sr	No distinct peak Flat pattern	Distinct centred peak	14.95	0.50	14.45	0.05
Th	No distinct peak Ambiguous sawtooth pattern	Ambiguous multiple highs	0.11	<0.01	>0.10	0.01
U	Offset peak	Distinct centred peak	0.065	0.015	0.050	0.005
Zn	Offset peak High at edge of traverse	No distinct peak Flat pattern	10.2	1.6	8.6	0.2

Cu, Fe, Mn, P, Pb, and Th were also elevated above the detection limit over the 1 and/or Watson vein but displayed even more confusing profiles with multiple, poorly formed or indistinct peaks occurring at the edge of the traverse. The analytical results for this group of elements was considered to be inconclusive and their concentrations may not necessarily be related to the mineralization. Cu and Pb results were contoured for the Richman soil grid but were regarded with caution.

In assessing the results of the orientation survey it must be mentioned that no duplicate sampling and analyses were done. These were avoided in order to minimize costs. Therefore the reproducibility of the data has not been estimated.

1) South and Southeast of Flapjack Peak – Poorman Area

Prospecting of the ground in this area revealed that it is largely covered by glacial drift. Rock outcrop occurrences are generally confined to stream banks and topographic highs. Examples of feldspar +/-pyroxene porphyritic dacite and andesite (unit 2: Figure 2), outwardly similar to volcanic rocks found on Blackdome Mountain are present east and southeast of Flapjack Peak. Dark variably feldspar and pyroxene porphyritic basalt overlies the dacite and andesite on Flapjack peak and to the south along the Hungry Valley-Roaster Lake drainage.

Stream Sampling - Heavy Mineral Concentrates

No significant Au values were obtained from the heavy mineral concentrates collected in the targeted drainage. The Au values obtained were <10 ppb and close to the detection limit. Table 2 summarizes the results.

Table 2: Au content of heavy mineral pan concentrates, Poorman area.

SAMPLE	Au (ppb)
PMH 1	<10
PMH 2	<5
PMH 3	5
PMH 4	5
PMH 5	<10
PMH 6	<10

Soil Geochemistry Results

The soil samples taken on the Poorman grid were of the B-horizon and analyzed by cold hydroxylamine leach followed by multi-element ICP analysis. The samples were also analyzed for Au by fire assay performed on a split of the –80 mesh fraction. All analyses and preparatory work were performed by ALS-Chemex Ltd., North Vancouver, B.C.

The results of the soil sampling on the ridge top are summarized below. Soil sample locations and results for selected elements are given in Appendix 2. Figure 4a depicts the trace of the ridge top and the location of one outcrop of feldspar-porphyritic dacite found near the ridge crest. Figures 4b to 4j provide contoured plots of the results for selected elements.

A simple statistical analysis was done of the soil data and assumed that the results were normally distributed. More involved methods were avoided as the database only consists of 49 samples for most elements. Au was analyzed for 56 samples as 7 more samples were added later as a follow-up. Table 3 summarizes the average, median, 0.9 percentile, maximum and correlation for selected elements. A set of contoured plots for Au, Ag, Ba, Ca, Ce, K, La, Sr and U in the Poorman soil samples was also prepared (Figures 4b – 4j).

In general, Au, Ag, Ba, Ca, Ce, K, La, Sr and U concentrations were elevated well above the detection limit in scattered samples. As a first pass treatment of the data the 0.9 percentile concentrations for these 9 elements were treated as anomalous. This threshold was approximately equivalent to or higher than the peak concentrations obtained in the orientation survey over the 1 and Watson veins for Ba, Ca, Ce, La, Sr and U (compare Table 2 & 3). Unfortunately, As and Sb, generally good pathfinders for epithermal Au mineralization and found to be elevated above the 1 and Watson vein at Blackdome Mountain were not present in concentrations significantly above the detection limit in any of the soil samples on the Poorman grid (see Appendix 2). Indeed, As and Sb were so low that they were not contoured. Ag concentrations on the Poorman grid were also below those found over the 1 or Watson vein (compare Table 1 and 3).

There tended to be a general lack of correlation between Au, Ag, Ba, Ca, Ce, K, La, Sr and U and other elements (see Table 3). In examining contoured plots for Au, Ag, Ba, Ca, Ce, K, La, Sr and U (Figures 4) there was also poor correlation between the pathfinder elements at higher concentrations in the soil samples on the Poorman soil grid. Only element pairs that are

Table 3: Poorman soil grid - average, median, 0.9 percentile, maximum and correlation for selected elements.

	Au ppb	Ag ppm	As ppm	Ba ppm	Ca ppm	Ce ppm	Cu ppm	Fe ppm	Hg ppm	K ppm	Mn ppm	P ppm	Pb ppm	Rb ppm	Sb ppm	Sr ppm	Th ppm	U ppm	Zn ppm	La ppm
Average =	3.8	0.007	0.05	55	1003	1.7	0.39	419	0.05	122	66	77	0.5	0.29	0.0025	15.34	0.03	0.039	3.2	0.71
Median =	2.5	0.006	0.05	52	950	1.3	0.35	390	0.05	110	19	65	0.4	0.28	0.0025	14.65	0.03	0.035	3.0	0.59
Percentile (0.9) =	5.0	0.016	0.05	86	1382	3.1	0.55	629	0.05	189	154	138	0.8	0.45	0.0025	21.02	0.07	0.055	4.4	1.47
Maximum =	25.0	0.024	0.10	98	2740	5.4	1.05	805	0.05	250	894	220	1.3	0.58	0.0025	44.10	0.12	0.135	6.0	2.08
Correlation	Au	-0.15	-0.04	0.15	-0.16	0.06	0.02	-0.09	0.00	0.23	0.18	-0.15	-0.13	-0.01	0.00	-0.12	-0.16	-0.02	-0.21	0.04
		Ag	0.18	0.07	0.52	0.54	0.59	0.54	0.00	0.09	0.17	0.37	0.49	0.43	0.00	0.15	0.07	0.62	0.30	0.48
			As	0.29	0.08	0.25	0.10	0.29	0.00	0.12	-0.05	0.40	-0.05	0.29	0.00	0.02	0.33	0.14	0.08	0.27
				Ba	0.20	0.32	0.30	0.42	0.00	0.24	0.09	0.38	-0.08	0.55	0.00	0.24	0.50	0.22	0.17	0.42
					Ca	0.53	0.63	0.27	0.00	0.16	0.36	-0.06	0.46	0.13	0.00	0.81	-0.10	0.54	0.26	0.53
						Ce	0.63	0.30	0.00	0.01	0.50	0.17	0.63	0.37	0.00	0.37	0.24	0.67	0.20	0.95
							Cu	0.43	0.00	0.09	0.23	0.11	0.41	0.38	0.00	0.32	0.10	0.90	0.30	0.66
								Fe	0.00	0.36	0.06	0.78	0.11	0.72	0.00	-0.03	0.57	0.43	0.25	0.36
									Hg	0.00	0.00	0.00	0.00	0.00	-1.00	0.00	0.00	0.00	0.00	0.00
										K	0.01	0.30	-0.06	0.16	0.00	0.13	0.12	-0.01	-0.12	0.07
											Mn	-0.18	0.64	0.13	0.00	0.31	-0.09	0.27	0.19	0.37
												P	-0.07	0.60	0.00	-0.26	0.61	0.14	0.00	0.27
													Pb	0.09	0.00	0.37	-0.12	0.49	0.25	0.50
														Rb	0.00	-0.06	0.56	0.47	0.25	0.40
															Sb	0.00	0.00	0.00	0.00	0.00
																Sr	-0.11	0.21	0.17	0.45
																	Th	0.15	0.02	0.33
																		U	0.33	0.64
																			Zn	0.13
																				La

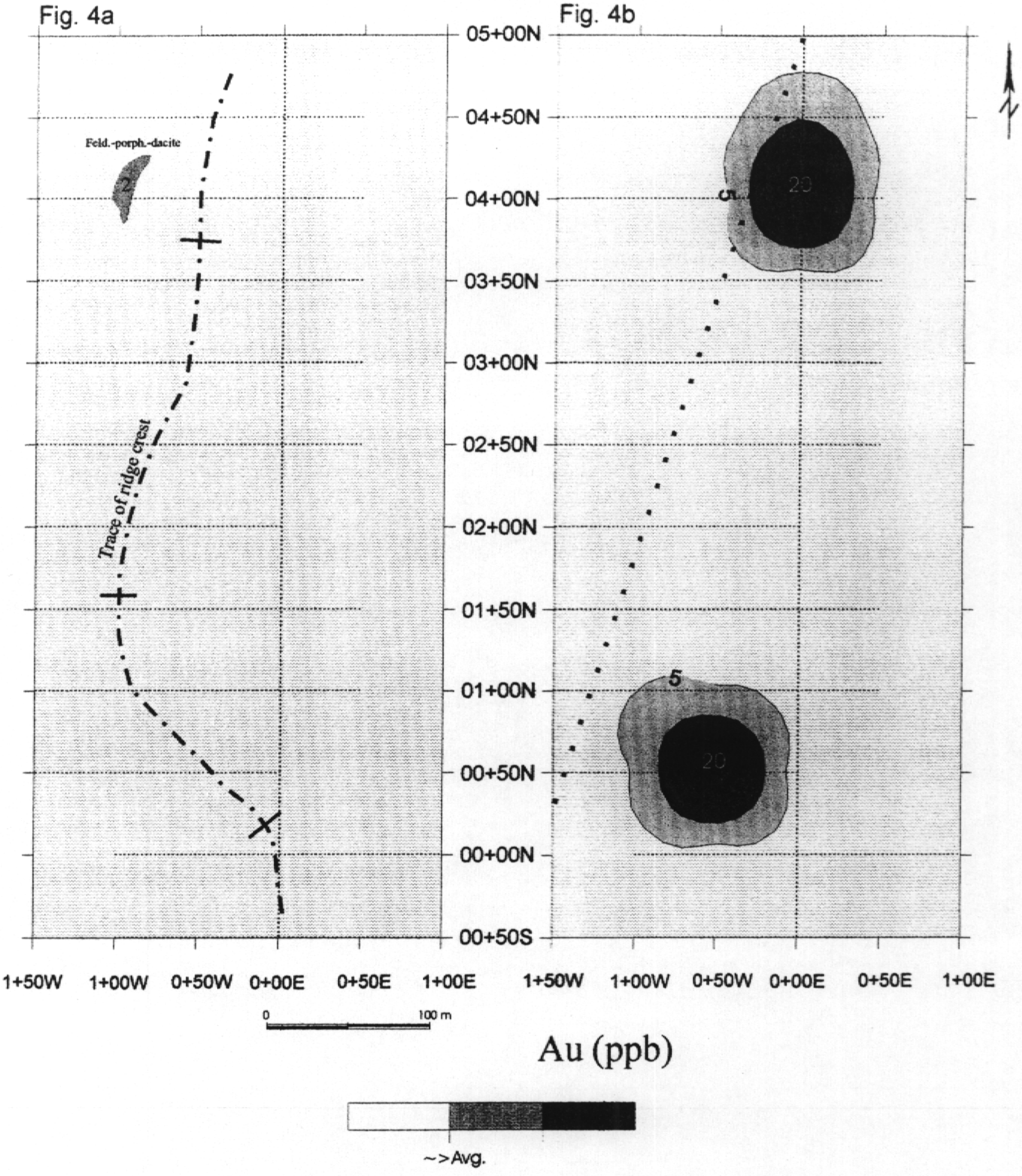
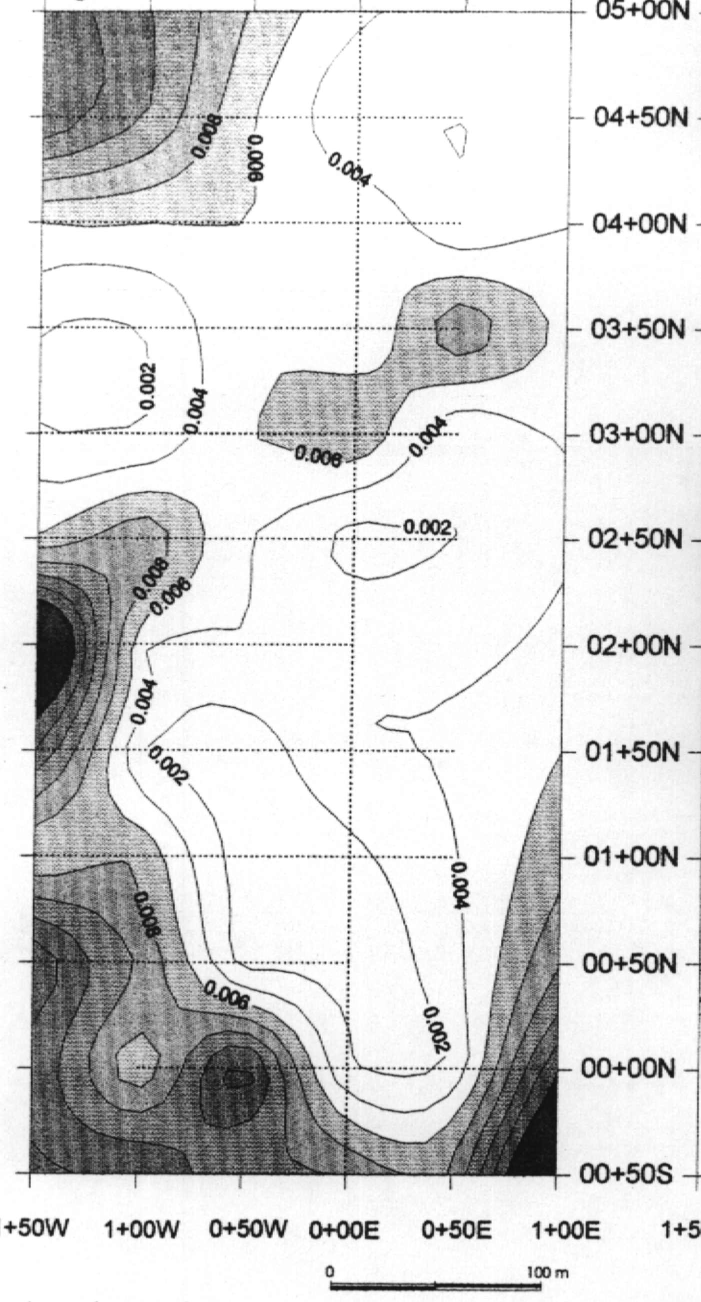


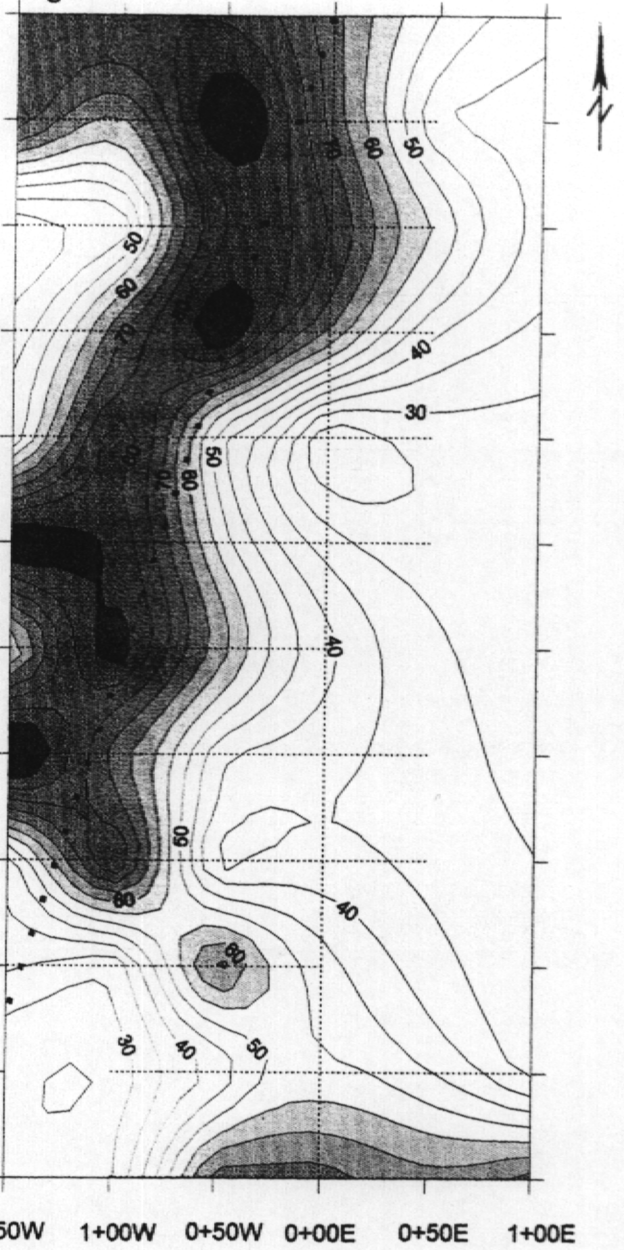
Fig. 4a
Fig. 4b
Feld.-porph.-dacite
2
Trace of ridge crest
05+00N
04+50N
04+00N
03+50N
03+00N
02+50N
02+00N
01+50N
01+00N
00+50N
00+00N
00+50S
1+50W
1+00W
0+50W
0+00E
0+50E
1+00E
0
100 m
5
20
Au (ppb)
~>Avg.

Fig. 4c



Ag (ppm)

Fig. 4d

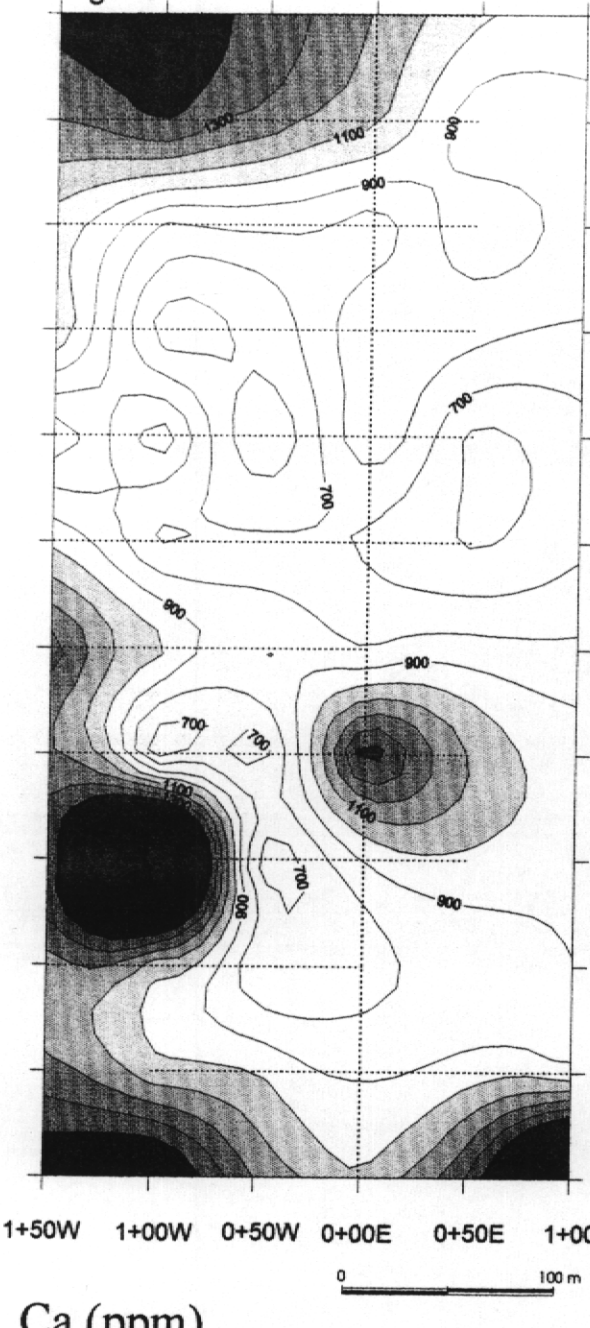


Ba (ppm)

~>Avg.

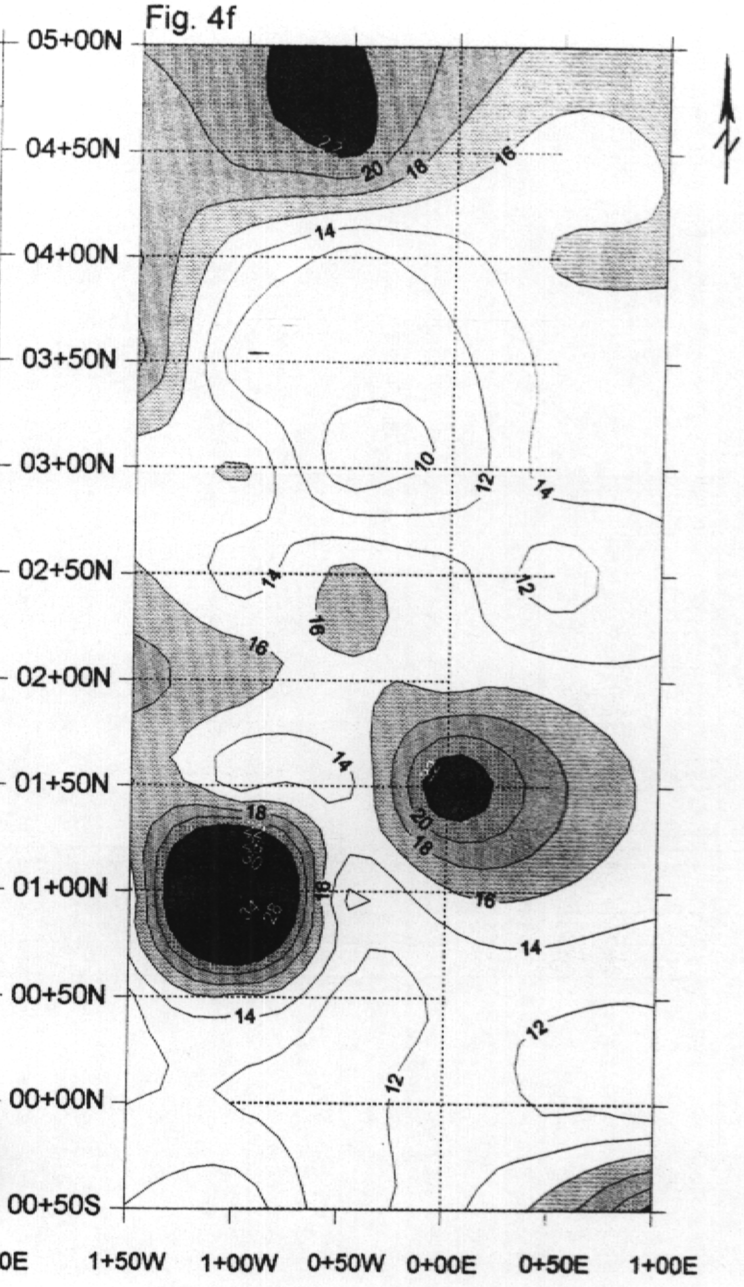
~>0.9 Perc.

Fig. 4e



Ca (ppm)

Fig. 4f

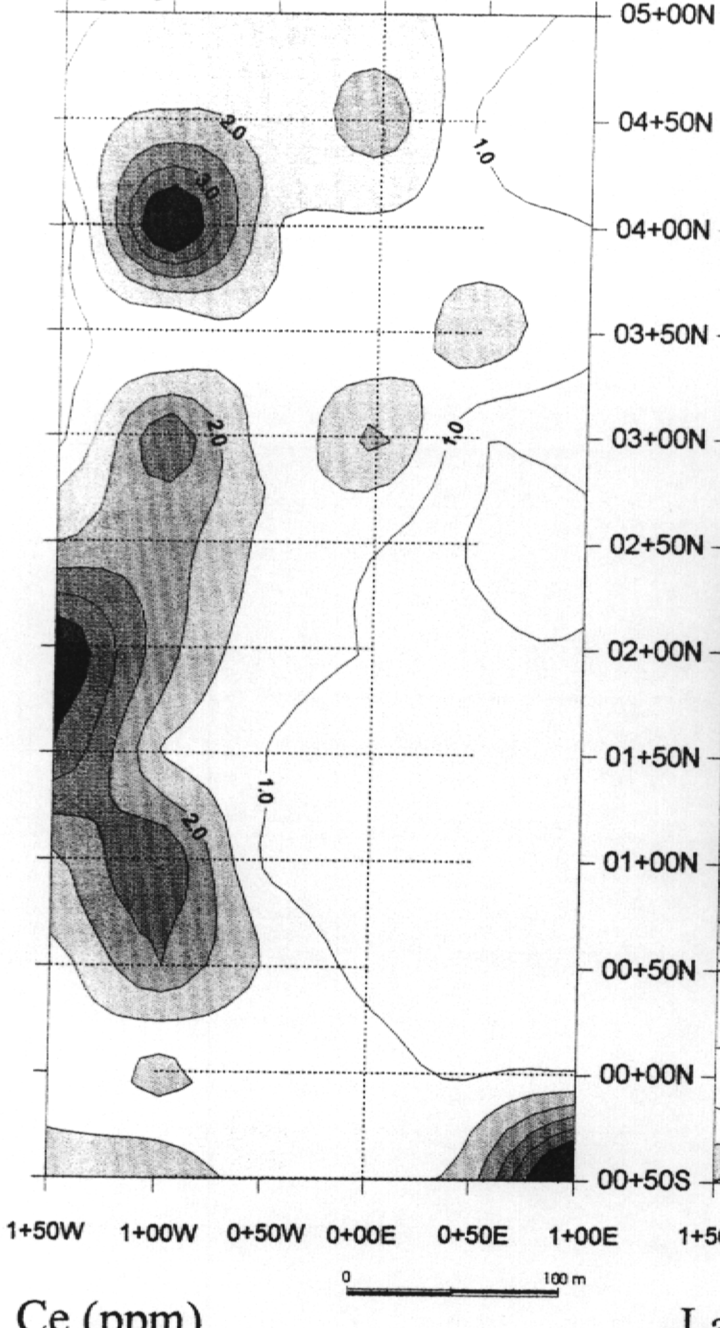


Sr (ppm)

□ ▨ ▨ ■

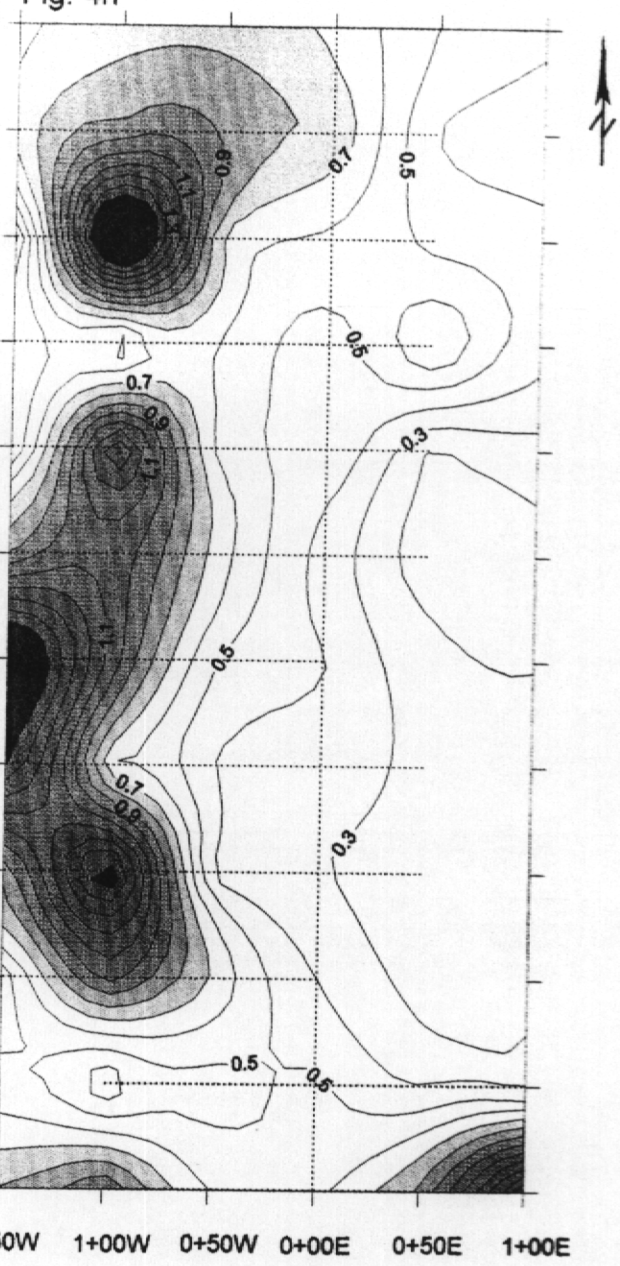
~>Avg. ~>0.9 Perc.

Fig. 4g



Ce (ppm)

Fig. 4h



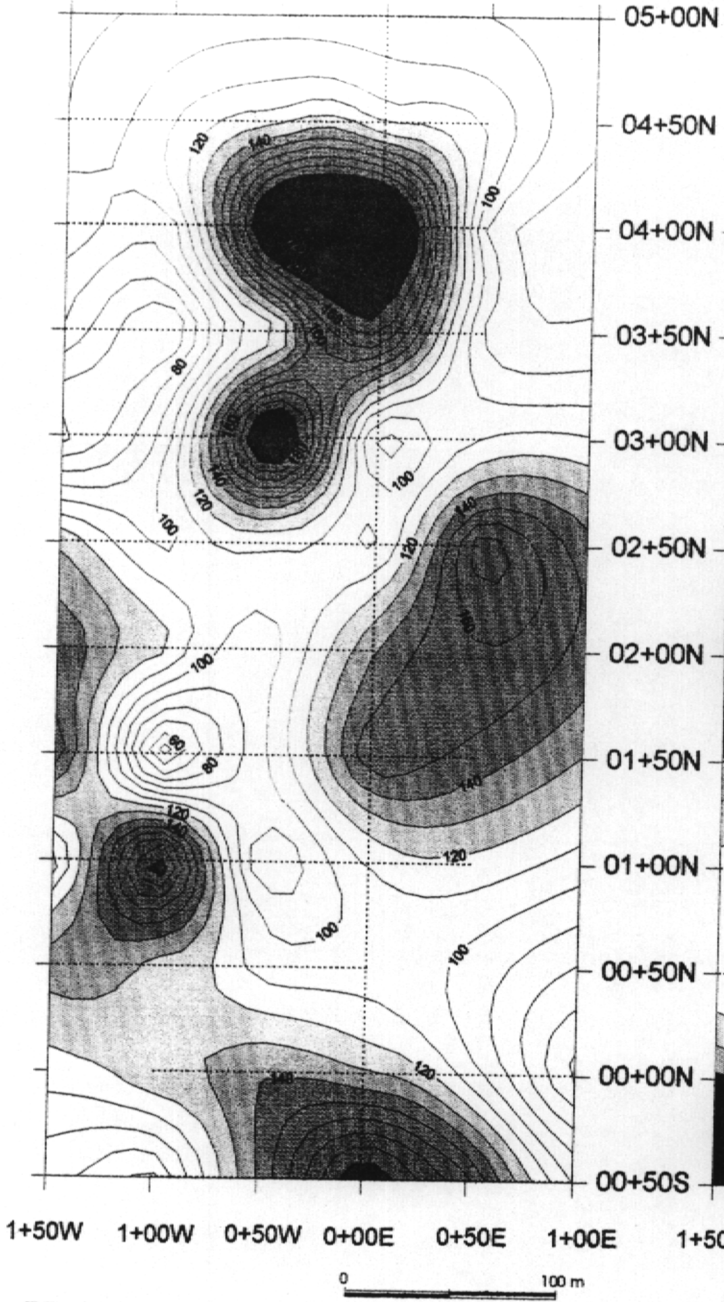
La (ppm)

▭ ▨ ▩ ■

~>Avg.

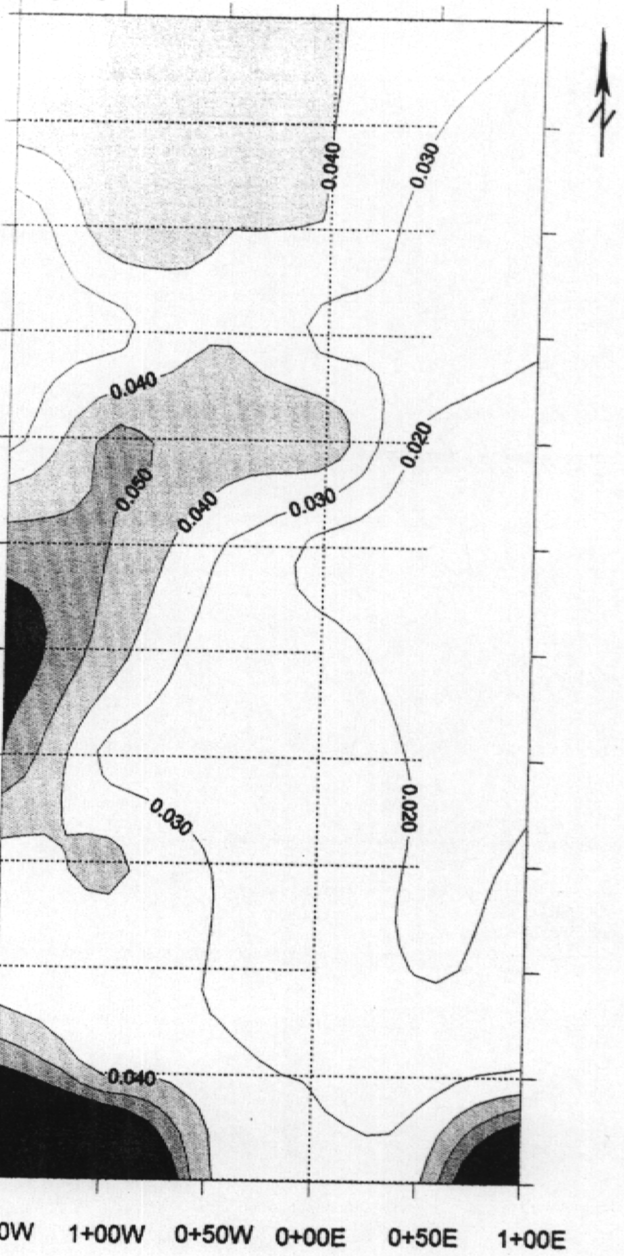
~>0.9 Perc.

Fig. 4i



K (ppm)

Fig. 4j



U (ppm)

□ ▨ ▩ ■

~>Avg. ~>0.9 Perc.

known to co-exist in similar phases or that share similar chemical characteristics, such as Ca and Sr, displayed significant correlation. Samples containing high concentrations (i.e. those ranging from above average to maximum for the Poorman survey) of Ag, Ba, Ca, K, Ce, La and U, were generally localized and non-contiguous.

More specifically, two isolated soil samples on the Poorman soil grid contained 25 ppb Au (Figure 4b). All the rest of the samples taken contained 5 or <5 ppb Au. Examination of the soil taken at the two sites with the anomalous Au revealed that it contained quartz fragments. One of the anomalous Au sites at 0+00 E and 04+00 N was accompanied by a flanking 10 ppb Au result (Figure 4b & Appendix 2). That same sample contained anomalous K (250 ppm: Figure 4i) and an above average concentration of Ba (~75 ppm: Figure 4d). Contouring of the Ba data displays a northeast elongated trend of anomalous values running just to the west of the northern anomalous Au sample site (Figure 4d). Similarly contoured plots of Ce (Figure 4g), La (Figure 4h), U (Figure 4j) and possibly K (Figure 4i) display oriented but weaker elongated trends. These run over or beside the anomalous Au sample at 0+00 E and 04+00 N and this opens the possibility that there is a northeasterly striking structure underlying the western portion of the grid (see dotted line on Figures 4b & 4d). Unfortunately, As and Sb are near the detection limit for the northern anomalous Au sample and for all samples taken on the grid. One would expect both As and Sb to be elevated above the detection limit as they were over the 1 and Watson veins if a mineralized structure were present.

2) Richman Area

Examination of the area to the east of the old Lexington baseline revealed the presence of a partially reclaimed trench close to a prominent outcrop of porphyritic dacite volcanics. Abundant limonite-stained vuggy quartz-rich float was lying on surface in the area of the reclaimed trench (unit 2: Figure 3). Two samples were taken of this material. Other quartz float was found and sampled on the 1050 S soil line at about 140 m E (Figure 3) The samples were analyzed for Au using fire assay with an AA finish and by ICP for 32 elements at ALS-Chemex Ltd., North Vancouver, B.C. The analytical results for the three float samples (No. 267858-860) for selected elements are contained in Table 4 below.

Table 4: Analyses of quartz float - Richman area.

SAMPLE	Au ppb	Ag ppm	As ppm	Ba ppm	Cu ppm	Pb ppm	Sb ppm	Zn ppm
267858	40	3.2	84	30	48	298	<2	6
267859	40	1.8	84	40	69	32	<2	22
267860	10	6.4	22	10	7	14	2	4
267861	<5	9.6	<2	10	3	754	<2	96

The Au results of all three samples were low (40 ppb or less) but can still be termed anomalous. Silver contents ranged from 3.2 to 6.4 ppm and Pb was significantly elevated at 298 ppm in one sample.

Several drill holes (88-6, 7, 8 & 12) were drilled near the area containing the quartz float (Figure 3) by Lexington Resources Ltd. in 1988. Holes 88-6, 7 and 8 intersected a quartz-sealed brecciated zone several metres wide. Au values in the quartz-sealed breccia were low (<5 ppb) but Hg was anomalous at up to 200 ppb. This mineralization may be the source for the quartz float found on surface near the outcrop of (unit 2) dacitic volcanics (Figure 3). If this quartz-rich brecciated zone has a northeasterly strike similar to the veins at the Blackdome Mine then it would extend across the three soil lines (dashed line on Figure 3) possibly beneath the other quartz float found on line 1050S at 140E.

Another occurrence of quartz float was found while staking the Richman 2 mineral claim group. This occurrence was found along the southern boundary of the claim (Figure 1: sample 267861 – Table 4). It was submitted for the same analysis as the other samples of quartz float from the Richman area. This specimen contained negligible Au (<5 ppb) but elevated amounts of Ag (9.6 ppm) and Pb (754 ppm).

Soil Geochemistry Results

A small three-line soil grid was established to the east of the old Lexington baseline. The lines were oriented southeast and were designed to test for northeast trending mineralized structures. The soil samples from the Richman grid (lines 1000S, 1050S & 1100S: Figure 3 & Appendix 3) were analyzed by cold hydroxylamine leach followed by multi-element ICP analysis at ALS-Chemex Ltd., North Vancouver, B.C. No Au analyses were performed.

Lexington Resources Ltd. did gold analyses of soils previously and it was known that Au was anomalous in the area sampled. The average, median, 0.9 percentile, maximum and correlation for selected elements are given in Table 5.

Like the Poorman soil data, the Richman soil geochemical results generally display a poor correlation between the pathfinder elements used in this study including Ag, As, Ba, Ca, Ce, K, La and U (Table 5). Copper, Pb and Zn were also used in the assessment of the Richman soil data and these also displayed a lack of correlation with each other and the other elements.

In general peak Ag, Ba, Ca and Sr concentrations on the Richman soil grid were below those found in the orientation traverses over the 1 and Watson veins, while Ce, La, K and U were roughly similar. Arsenic was generally present at very low concentrations in most samples taken but did achieve concentrations of up to 0.4 ppm in a few samples, which is about equivalent to peak concentrations over the 1 vein. Antimony occurs at very low concentrations; it is generally at or below the detection limit of 0.005 ppm (Appendix 3) and was not contoured.

Contour plots of Ag, As, Ba, K, Ca, Sr, Ce, La, Cu, Pb, Zn and U in the Richman soils are presented in Figure 5. Above average concentrations were shaded. Values above the 0.9 percentile figure are shown in black on Figure 5.

Like the Poorman soil data the Richman soil results display poor correlation between peak concentrations of the elements plotted. However, contouring does reveal some weak linear trends formed by above average concentration for some elements. These trends were found in Ag (Figure 5a), Ce (Figure 5g), La (Figure 5h), Cu (Figure 5I) and Zn (Figure 5 k) concentrations occurring between 0 and 200 E on the grid. There was partial overlap of the linear trending higher Ag, Cu and Zn concentrations between 75 and 100 E on the Richman grid. Some higher concentrations of As, Ba, Ca, Sr and K also occur in the area between 0 and 200E. These results suggest that there may be a northeast trending mineralized structure underlying the grid between about 0 to 200E. This structure could be the one that was drilled to the south next to the volcanic outcrop (unit 2: Figure 3).

Table 5: Richman soil grid - average, median, 0.9 percentile, maximum and correlation for selected elements.

	Ag ppm	As ppm	Ba ppm	Ca ppm	Ce ppm	Cu ppm	Fe ppm	Hg ppm	K ppm	Mn ppm	P ppm	Pb ppm	Rb ppm	Sb ppm	Sr ppm	Th ppm	U ppm	Zn ppm	La ppm
Average =	0.025	0.11	18	156	1.75	0.48	212	0.05	52	15	95	0.9	0.33	0.0029	2.54	0.08	0.037	3.4	0.88
Median =	0.025	0.10	16	150	1.80	0.45	178	0.05	43	10	88	0.8	0.32	0.0025	2.28	0.08	0.035	3.0	0.87
Percentile (0.9) =	0.038	0.20	29	280	2.53	0.64	373	0.05	105	27	150	1.4	0.42	0.005	3.90	0.14	0.045	6.3	1.24
Maximum =	0.046	0.40	32	310	3.44	0.75	560	0.05	135	89	290	2.1	0.47	0.005	6.55	0.15	0.065	9.2	1.72
Correlation	Ag	-0.25	-0.24	0.00	-0.14	0.45	0.01	0.00	-0.15	-0.09	-0.14	-0.09	0.08	-0.09	0.19	-0.19	-0.04	0.12	-0.12
		As	0.12	-0.11	-0.12	-0.26	-0.20	0.00	-0.02	-0.15	0.23	-0.19	0.14	-0.02	-0.21	-0.02	-0.18	-0.30	-0.12
			Ba	0.07	0.31	-0.31	-0.39	0.00	-0.06	-0.15	-0.19	-0.36	0.08	-0.17	0.22	-0.38	0.00	-0.21	0.31
				Ca	-0.02	0.11	0.27	0.00	0.32	0.15	0.12	-0.05	0.24	0.22	0.66	-0.10	-0.20	0.21	0.07
					Ce	-0.02	-0.31	0.00	-0.10	-0.08	-0.04	-0.05	-0.08	-0.22	-0.02	0.06	0.25	-0.19	0.98
						Cu	0.38	0.00	0.12	0.26	-0.08	0.30	0.15	0.10	0.16	0.17	0.28	0.29	0.00
							Fe	0.00	0.25	0.30	0.37	0.33	0.01	0.39	0.37	0.61	0.36	0.58	-0.30
								Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
									K	0.38	0.00	0.18	0.55	0.19	0.04	0.30	-0.02	0.30	-0.09
										Mn	-0.03	0.59	0.40	0.32	0.10	0.23	0.24	0.27	-0.07
											P	-0.02	-0.17	0.53	-0.07	0.52	-0.15	0.24	-0.04
												Pb	0.26	0.35	0.00	0.31	0.34	0.35	-0.08
													Rb	0.08	0.17	0.03	-0.12	0.17	-0.01
														Sb	0.26	0.42	0.03	0.42	-0.21
															Sr	-0.03	0.16	0.16	0.04
																Th	0.17	0.50	0.04
																	U	0.05	0.18
																		Zn	-0.17
																			La

Fig. 5a Ag (ppm)

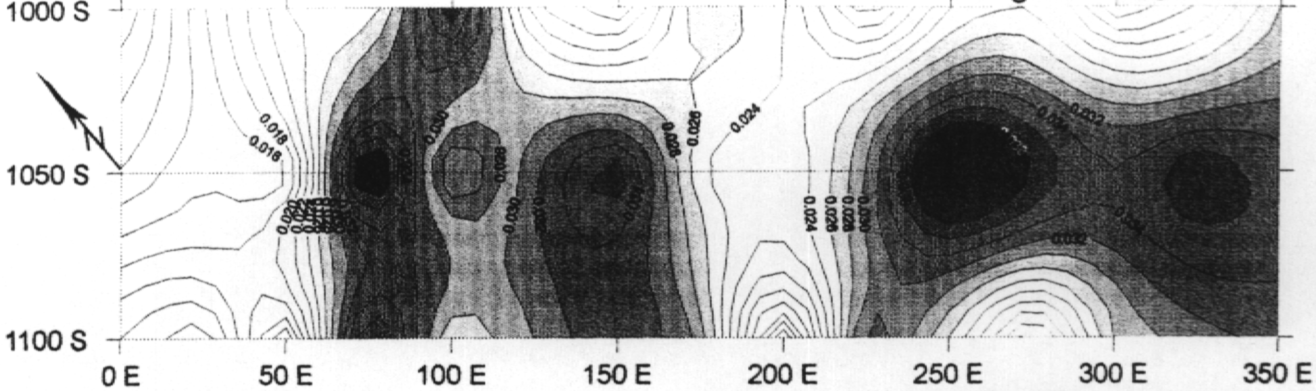


Fig. 5b As (ppm)

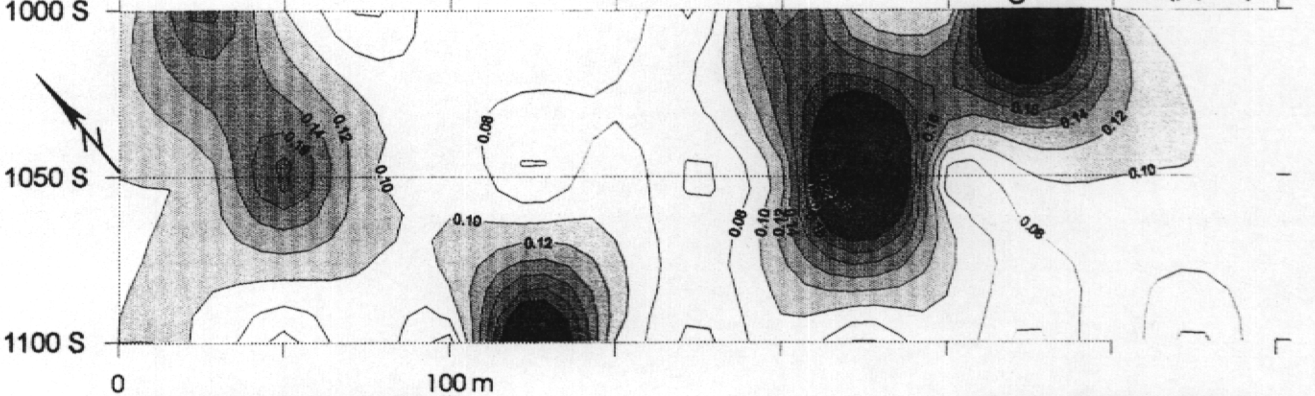


Fig. 5c Ba (ppm)

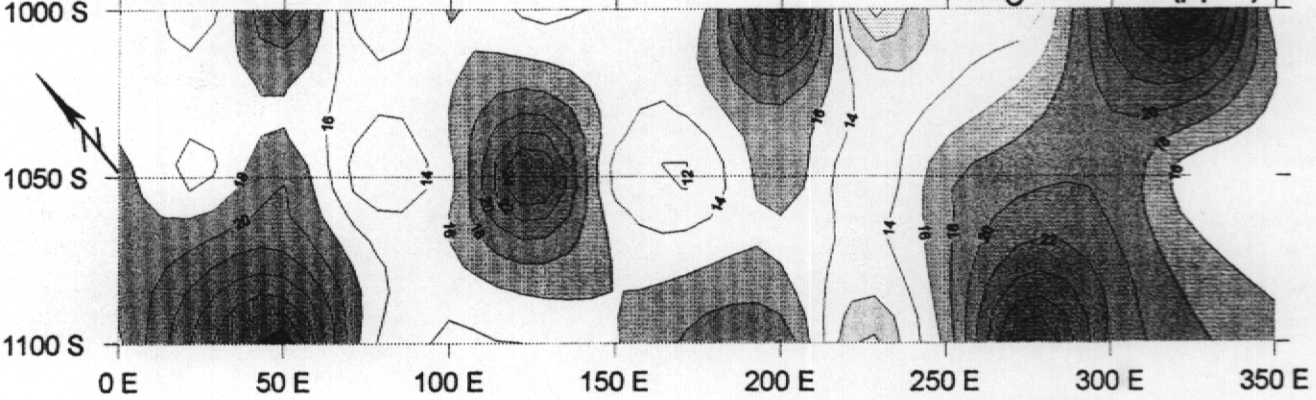


Fig. 5d K (ppm)

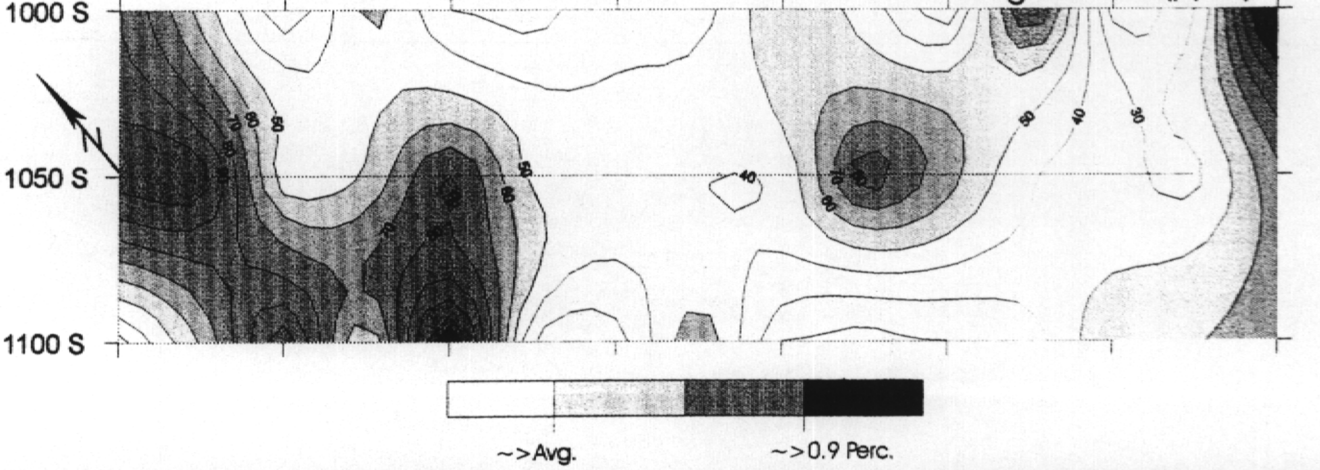


Fig. 5e Ca (ppm)

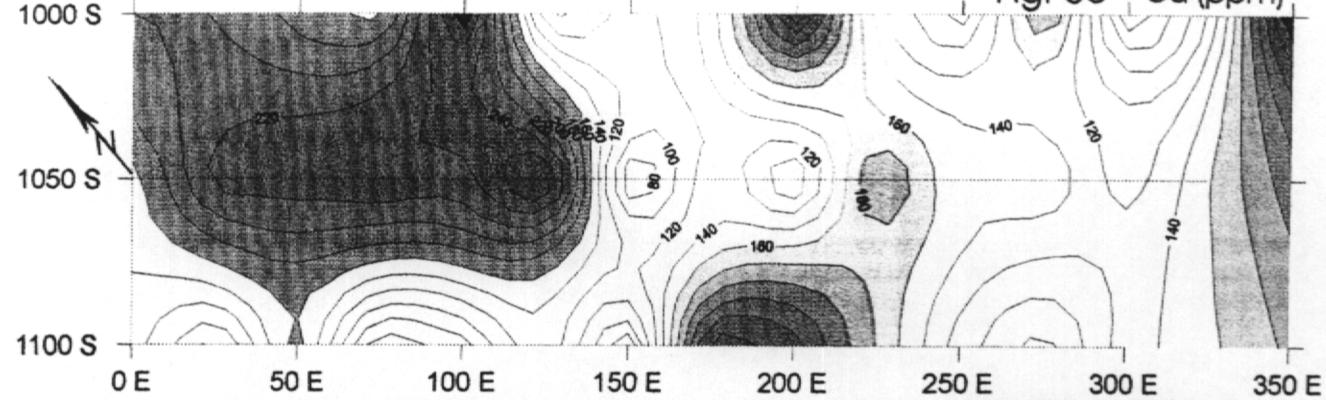


Fig. 5f Sr (ppm)

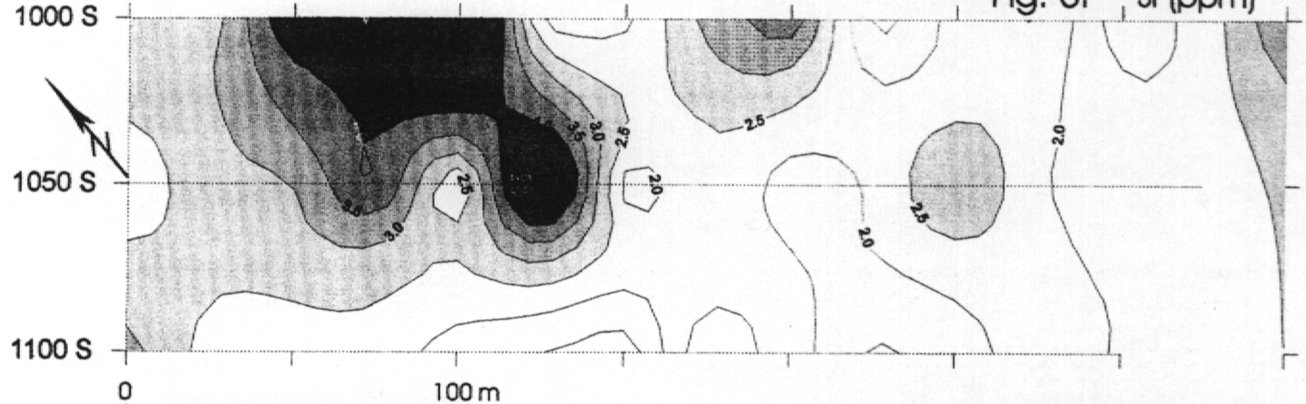


Fig. 5g Ce (ppm)

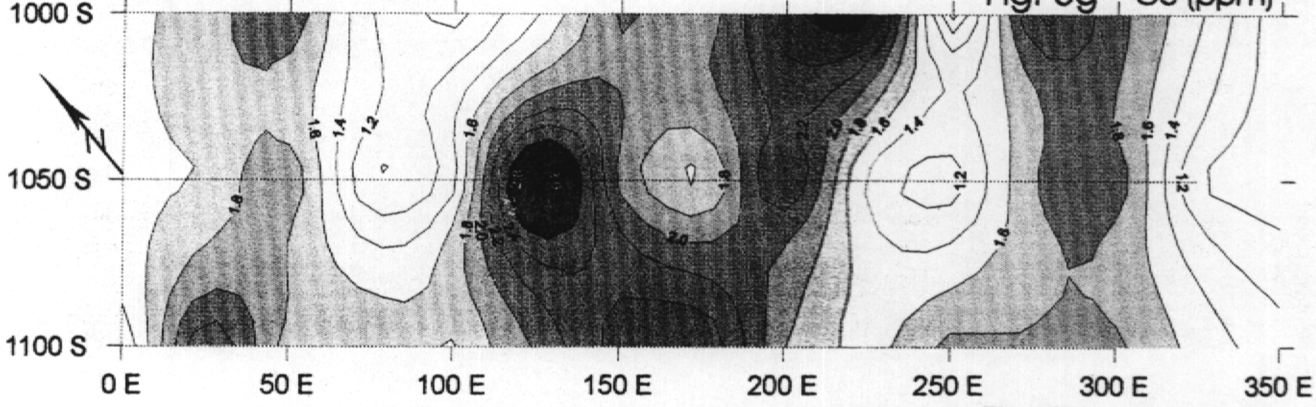


Fig. 5h La (ppm)

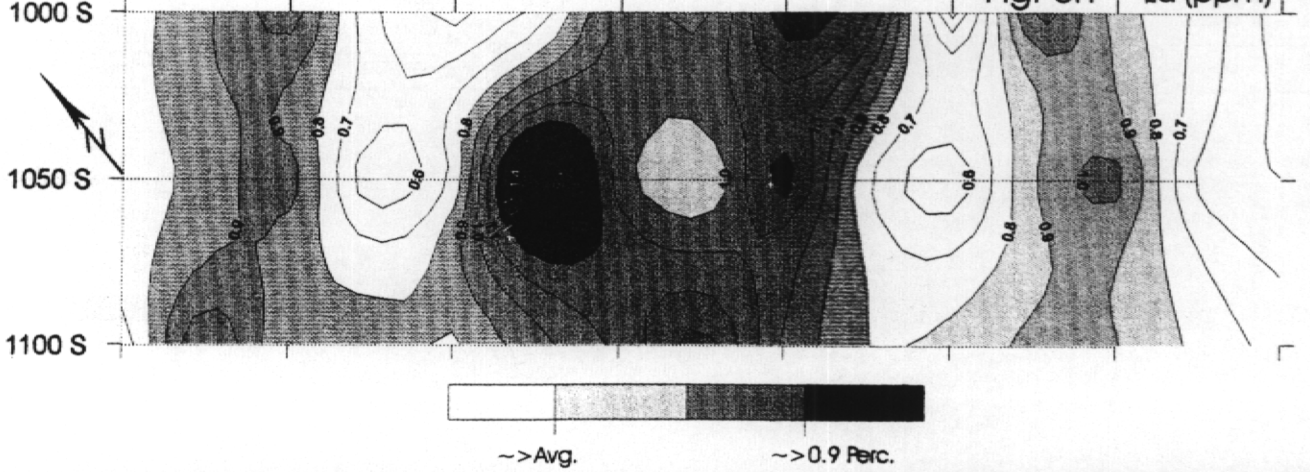


Fig. 5i Cu (ppm)

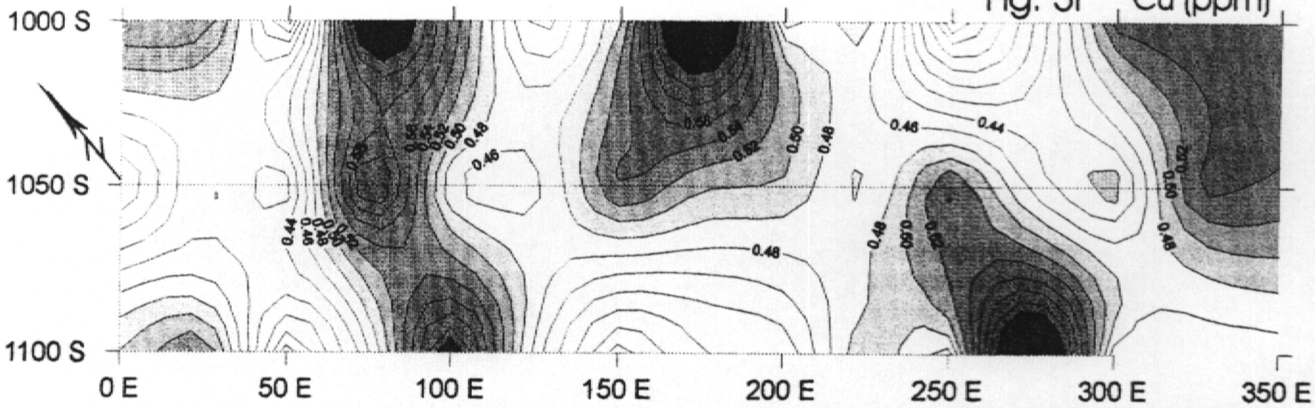


Fig. 5j Pb (ppm)

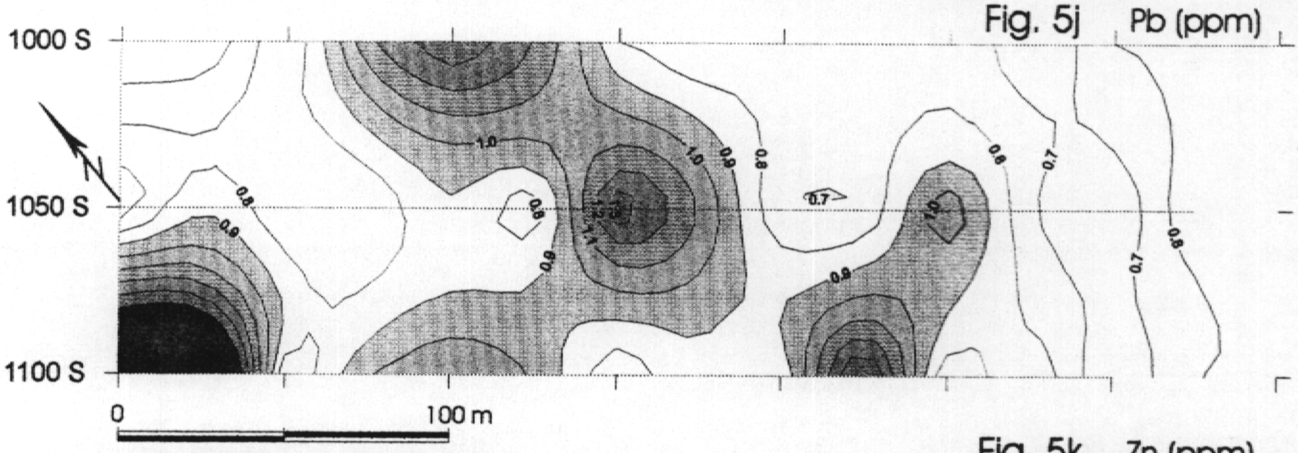


Fig. 5k Zn (ppm)

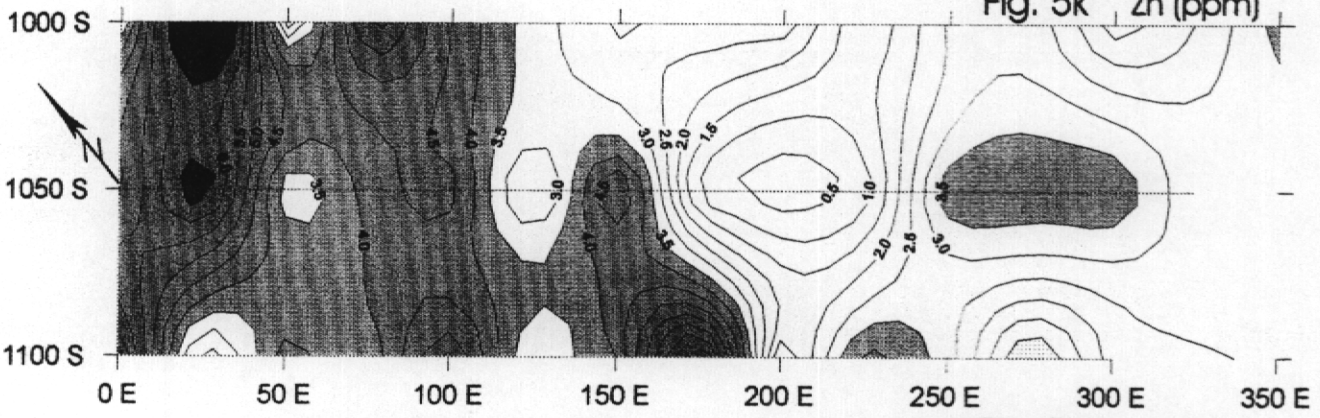
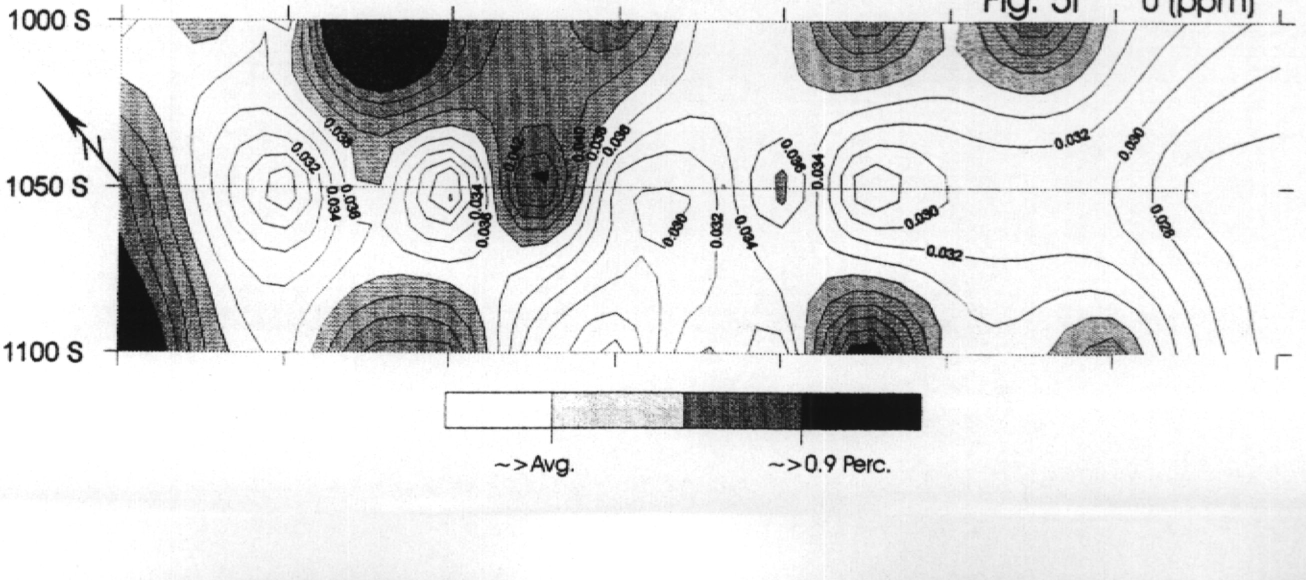


Fig. 5l U (ppm)



3) Area along the Hungry Valley and South of Roaster Lake

Several known showings located along and to the north of the road along the Hungry Valley were examined. These included the Mike on the north shore of Roaster Lake and the Geo and HWP showings further to the north within the recently staked Richman property. These zones were comprised of north to northeast trending steeply dipping argillically altered faulted zones within dacitic to andesitic volcanics, which are part of the Eocene package similar to the volcanics found at Blackdome Mountain. The altered fault zones contained small (<2 cm) quartz and chalcedony veinlets. Pyrite occurred locally in the quartz veinlets of the Geo and HWP zone. Previous samples taken by McClintock and Hardy Engineering Ltd. returned low Au values (<20 ppb) and sporadic high Hg (up to 11000 ppb) and As (up to 250 ppm). After the field examination it was decided not to re-sample these showings as the veining is poorly developed and the previous sampling is fairly comprehensive. No other new mineralized structures were identified in traverses done along the Hungry Valley.

A prospecting traverse was conducted starting southward from Roaster Lake extending upwards towards Red Mountain. The area immediately south of Roaster Lake is underlain by conglomerate of the Jackass Mountain Group. Further to the south Miocene basalts of the Chilcotin Group cap the conglomerate. Several northeast trending faults cut the upper Miocene basalts about 3 km south of Roaster Lake. These structures formed recessive areas that were traceable for several hundred metres on surface; a few, occurring at higher elevation on the north and west-facing slopes of Red Mountain, were argillically altered and stained by iron oxides. One of these structures, dubbed the Marco showing (Figure 1) by previous workers (Hardy and Van Wermeskerken, 1989), measured about 50 m wide and contained several mineralized zones (up to several metres wide) consisting of quartz-sealed breccia, vuggy crustiform quartz stringers and chalcedony veinlets. Minor pyrite was noted in the quartz and altered wall rock. Seven chip samples were taken of the more quartz-rich subcrops and outcrops of the Marco zone. These samples were composed of grabs from subcrop and chip samples across outcrop. The chip samples ranged from 0.2 to 2 m wide. All were analyzed at ALS-Chemex Ltd., North Vancouver. Au concentration was determined by fire assay with an AA finish. Other elements were analyzed by 32 element ICP. All the samples taken contained low Au (<5 ppb) and Ag (<0.2 ppm) concentrations. The results for Au, Ag and other selected elements are summarized in Table 6 below.

Table 6: Analyses of mineralization from the Marco showing.

SAMPLE	type width	Au ppb	Ag ppm	As ppm	Ba ppm	Cu ppm	Pb ppm	Sb ppm	Zn ppm
267851	grab	<5	<0.2	46	70	4	<2	<2	18
267852	grab	<5	<0.2	22	50	4	<2	<2	32
267853	0.35 m	<5	<0.2	14	30	4	<2	2	58
267854	0.2 m	<5	<0.2	6	50	3	<2	<2	18
267855	2 m	<5	<0.2	6	60	3	<2	<2	30
267856	2 m	<5	<0.2	36	110	8	2	<2	58
267857	2 m	<5	<0.2	22	90	6	<2	<2	48

No other significant mineralized occurrences were found in the area to the south of the Marco showing. A number of pale coloured felsic dykes were noted cutting the older volcanic rocks on the slopes of Red Mountain. The dykes trended in several directions and displayed variable degrees of argillic alteration, especially at their edges. Unfortunately no silicification or other significant mineralization was noted along or within them.

4) French Mountain and Pony Valley Area

An attempt was made to access this area (see Appendix V: Day 14). The road and trails leading into the area shown on the topographic maps proved to be overgrown and walking was very slow. It was decided to turn back, as the slow rate of progress would have meant returning to camp in darkness. It is planned to access the area sometime in the future via Red Mountain, which is a shorter route and one which is mostly above the tree line and easier navigable.

CLAIM STAKING

Examination of outcrop, subcrop and previously drilled core in the Richman area revealed the existence of several faulted clay altered structures. Some contained vuggy quartz stringers and quartz-sealed breccia zones. It was decided that this area has good Au-bearing potential and forty-four lode claims were staked to cover this area. The new claims were divided into three blocks named the Richman 1 (20 units), Richman 2 (20 units) & Richman 3 (4 units). They cover an area that was previously included in the northern portion of the old EH and the Bobcat claims (not shown). The Richman claim group adjoins the Blackdome property, which lies to the east (Figure 1).

CONCLUSIONS AND RECOMMENDATIONS FOR FUTURE WORK

1) Heavy mineral pan concentrates of the drainage in the Poorman area containing the 57 ppb Au B.C. RGS anomaly did not yield any significant results. The negative result suggests that no Au-bearing veins were eroded in this drainage. Au-bearing veins may still be present but may be masked by glacial drift; another sampling technique may be necessary for their detection.

In general, the Poorman area, south and southeast of Flapjack Peak, is difficult to explore given the extensive glacial drift present. Conventional soil geochemistry is unlikely to prove helpful as an exploration tool as results would tend to reflect drift composition. Previous conventional soil surveys done by Ashworth Explorations Ltd. (Leriche, 1987) only found isolated anomalous Au, Hg and Zn values. The results of the soil geochemistry done in this program using cold hydroxylamine leach are also ambiguous. There is poor correlation between pathfinder elements found to be associated with the mineralization at the Blackdome Mine and other epithermal veins. Samples with anomalous concentrations of Ag, Ba, Ca, Ce, Sr, K, La and U tended to be sporadic while As and Sb concentrations were near or at the detection limit. Contouring of the Ba, Ce, U and La geochemical data yielded one weak linear trend striking to the northeast. This trend was on line with an isolated anomalous Au result of 25 ppb.

The soil survey results may possibly be improved by increasing sample density and increasing the area covered by the grid. But this is both more expensive and a risky venture. If the area of the survey is increased then the concentration of various elements may be even more affected by changes in overburden depth, soil moisture content, rock type, etc. and this might only serve to further increase the variability between samples.

Two higher Au results (25 ppb) were obtained from –80 mesh splits from soils on the Poorman grid. One sample was next to a 10 ppb soil sample. Quartz float was found in the sample pits of the 25 ppb samples. The isolated nature of the higher Au samples on the grid and the lack of coincidental or attendant strongly anomalous As, Sb, or Ag samples suggest that the quartz float may be of glacial origin rather than locally derived.

2) The examination of surface outcrops and drill core in the Richman area suggest that there is good potential for epithermal Au-bearing veins. Vuggy quartz-sealed breccia zones and quartz stringers are contained in sheared clay-rich fault zones. Present data suggests that they trend north to northeast, a similar orientation as those at the Blackdome Mine. They also are mineralogically and texturally somewhat similar to those found at Blackdome.

Quartz float found on surface and soil geochemistry suggests that there may be a mineralized quartz-sealed breccia zone running northeast beneath the Richman soil grid. This structure may be the one intersected in Holes 88-6, 7 & 8 drilled by Lexington Resources Ltd. Conversely it may be a separate structure lying slightly further to the west of these holes. Holes 6, 7, 8 and 12 were drilled at a bad angle (067 deg. Azimuth) and may have missed a portion of any northeast trending mineralization. In addition there is a lack of complete drill coverage between the volcanic outcrop (unit 2: Figure 3) and the old Lexington baseline to the west.

Heine (1988b) has reported that the clay-rich nature of the faulted zones, the lack of well-formed vein structures and low Au content may be due to the samples being taken at too high an elevation and he suggests that Au grades of these structures may increase at depth. The property has not been comprehensively covered by soil geochemistry at lower elevation. To date the areas sampled by drilling and trenching lie at elevations from above 1950 down to about 1800 m. This covers the productive elevation range for Au at the Blackdome Mine. However, the mineralization in the Richman area may be related to a different hydrothermal cell and therefore there is still a possibility of finding higher Au grades at lower elevation. Future prospecting of the Richman claims should include efforts to find mineralized float and to do more soil sampling in an effort to locate Au-bearing veins cutting the slopes below the existing showings.

3) Despite the disappointing geochemical results of the Marco showing the area south of Roaster Lake and the Hungry Valley should be further explored. The mineralization of the

azimuth), a similar direction as those faults hosting the Au-bearing quartz veins at Blackdome Mountain. The quartz and chalcedony stringers and quartz-sealed breccias within the faulted zone bear a resemblance to the productive veins in the Blackdome mine. The fault containing the Marco zone can be traced at least several hundred metres and appears to be paralleled by other similar structures to the north of the Marco Showing. All these structures should be further examined; for float on surface and by geochemical soil surveys in order to determine their Au potential.

4) Additional geological examination of the ground in the southern part of the Richman claim group and adjoining land southward to the Hungry Valley Fault (formerly covered by the EH claims) should be conducted. Quartz float containing anomalous Ag and Pb was collected on the southern boundary of the Richman 2 claim block. Previous work on the EH claims by McClintock/Hardy Engineering Ltd. for Ballatar Explorations Ltd. (Hardy and Van Wermeskerken, 1989) identified several high Hg anomalies in soil and silicified outcrop in this area. Samples of the latter have so far returned low Au values but this does not necessarily rule out high-grade mineralization along strike or at depth. Selective closer-spaced soil sampling could be used to better define existing anomalies.

5) Duplicate soil samples should be analyzed for the orientation survey in order to determine the reproducibility of the results for each element using the leach methods employed in the reported surveys. Many of the elements tested by the leach methods occurred at very low concentrations and often showed a restricted range of concentration. The replicate analyses would help to determine if the higher or anomalous values reported here truly exceed background variability.

COSTS OF PROSPECTING PROGRAM

The costs of the prospecting program for the Roaster Lake area are summarized in Table 7.

Table 7: Costs of 2000 prospecting program, Blackdome - Roaster Lake area.

Expenditure	Notes		Units days/km/items	Cost/ unit $	Subtotal $
Wages	grantee	A.J. Boronowski	22	100.00	2200.00
	field assistant	C. Sebert	22	100.00	2200.00
Food	groceries				497.33
Telephone	long distance calls				10.00
Travel	fuel	A. Boronowski		205.41	205.41
		C. Sebert		187.84	187.84
	oil				4.01
	mileage	A. Boronowski	2615	0.38	993.70
		C. Sebert	1919	0.38	729.22
Report Writing	writing and plan preparation				800.00
Exploration Supplies	sundries		bags,flagging, topofil,etc.		75.00
	maps and photocopying charges				93.20
Camping Costs	camp supplies	stove fuel, tarps, etc.			50.00
	chain saw	fuel/oil+use charge			50.00
Analytical Costs	rock/chip geochem.,soils and pan concentrates			4645.90	4645.90
Staking	recording fee - Richman claims				440.00
				Program Total =	13181.61

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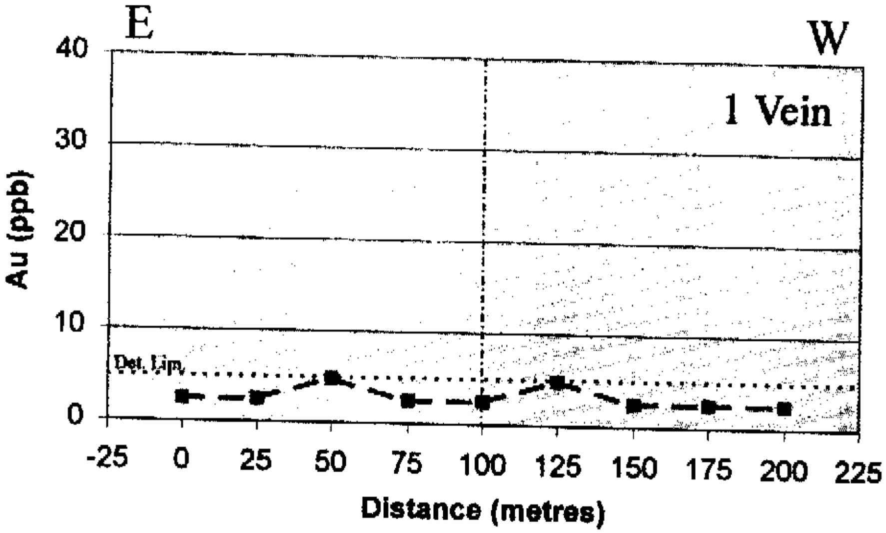
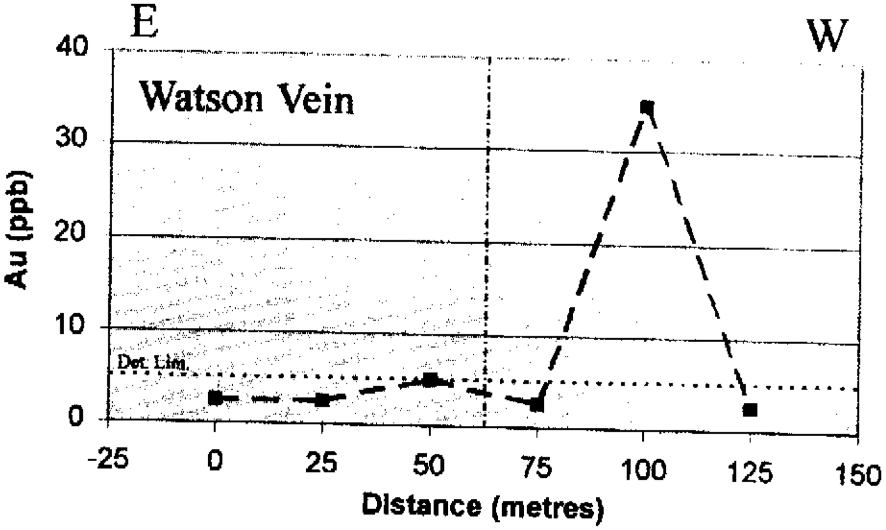
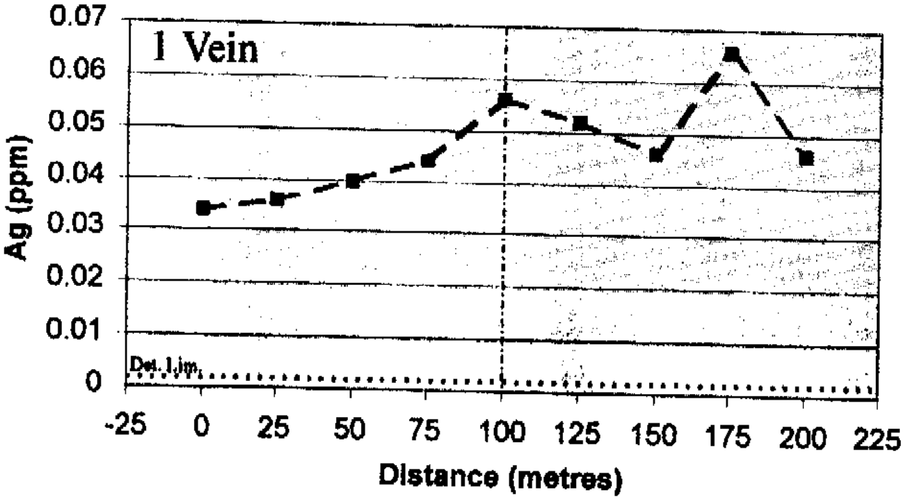
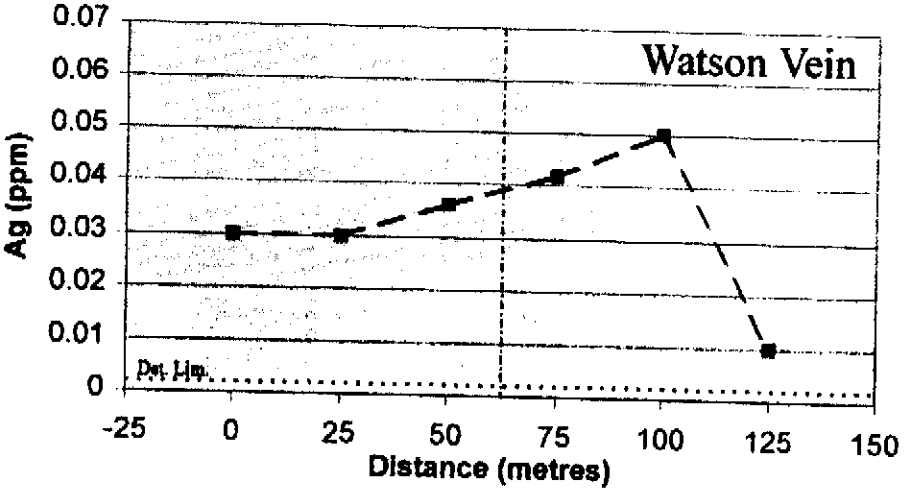
APPENDIX 1: Soil Sampling Orientation Survey

Results of sample traverses over the 1 and Watson veins, Blackdome Mountain

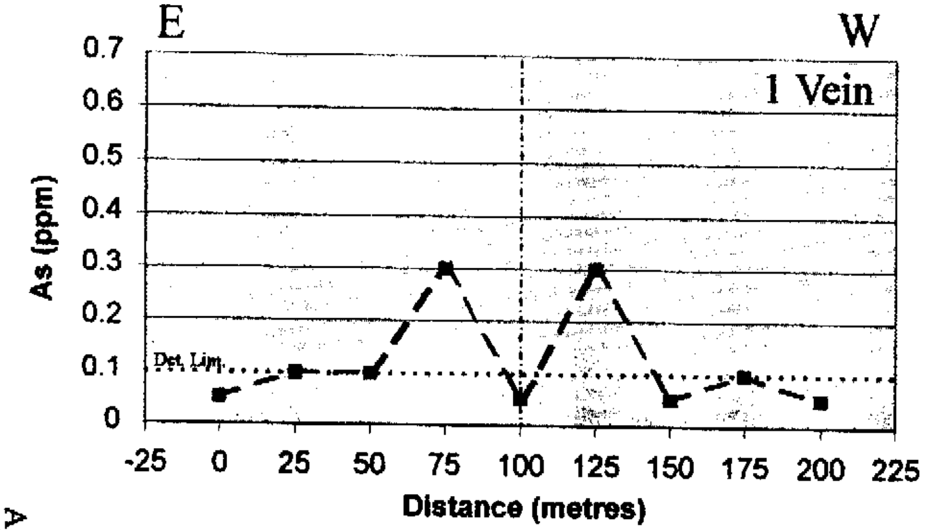

E
W
1 Vein
Au (ppb)
40
30
20
10
0
Det. Lim.
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)

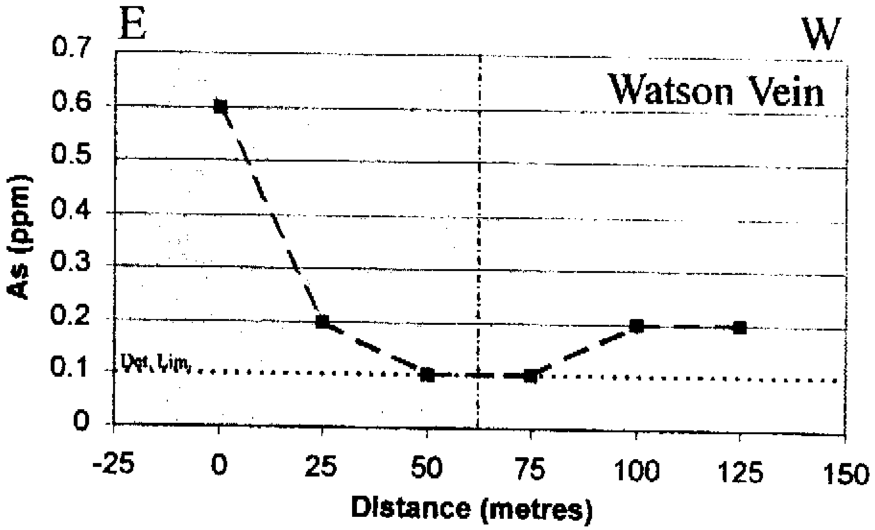

E
W
Watson Vein
Au (ppb)
40
30
20
10
0
Det. Lim.
-25
0
25
50
75
100
125
150
Distance (metres)

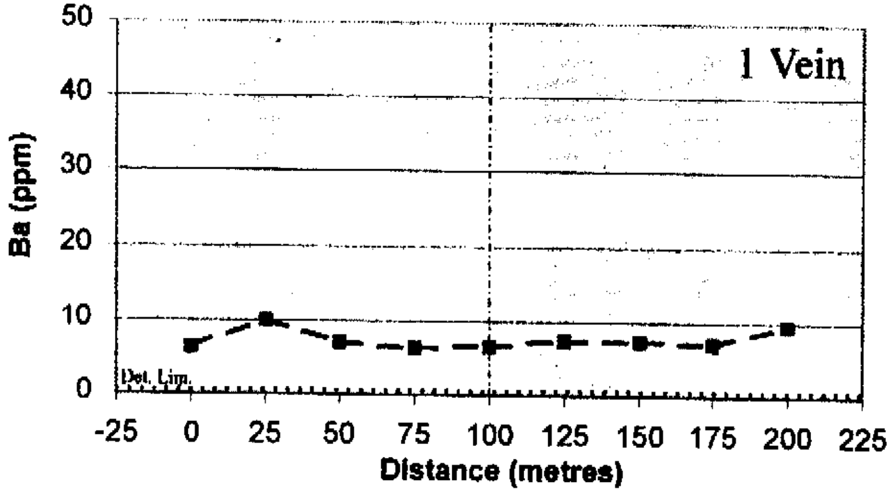

1 Vein
Ag (ppm)
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Det. Lim.
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)

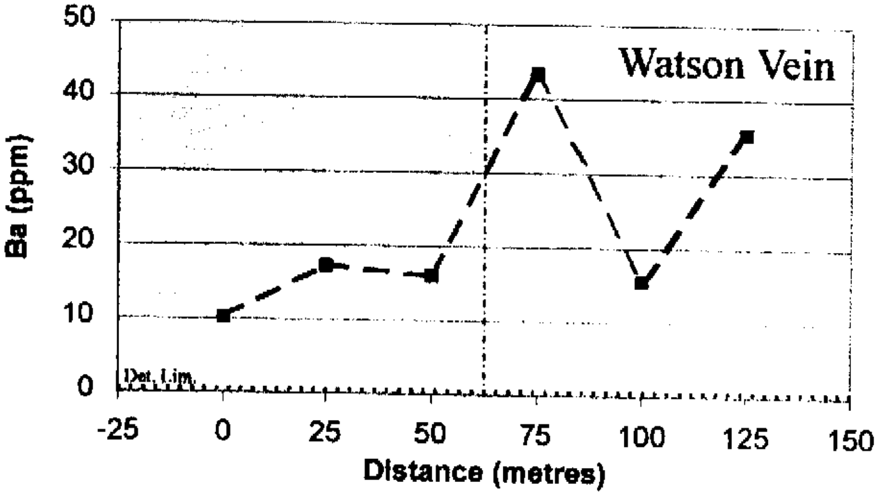

Watson Vein
Ag (ppm)
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Det. Lim.
-25
0
25
50
75
100
125
150
Distance (metres)

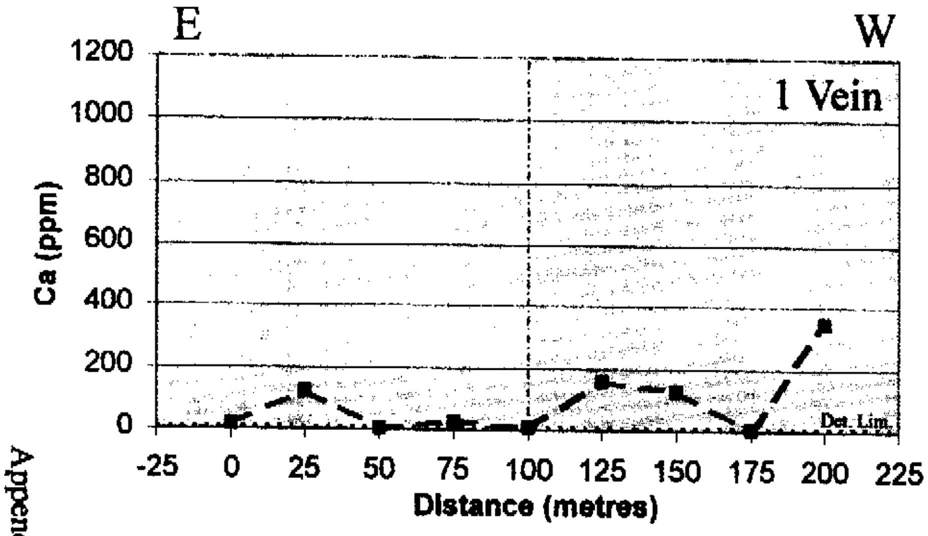
Appendix 1

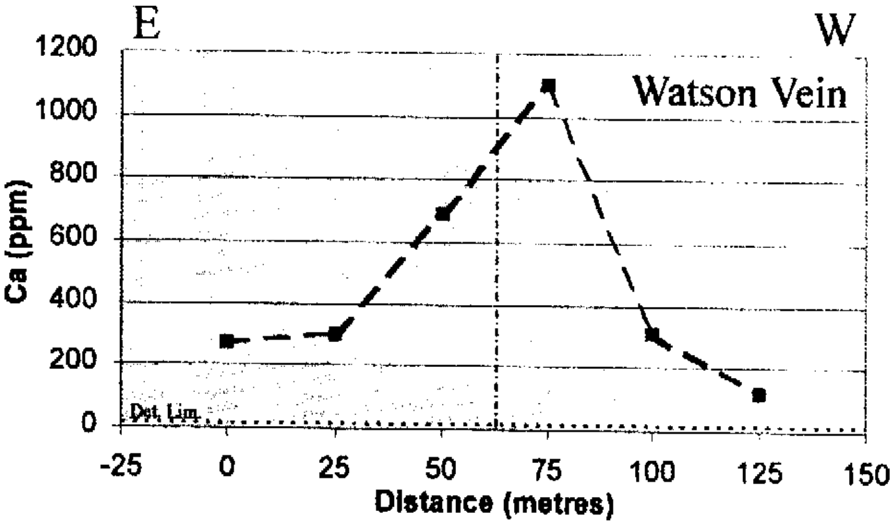

E
W
1 Vein
As (ppm)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Det. Lim.
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)

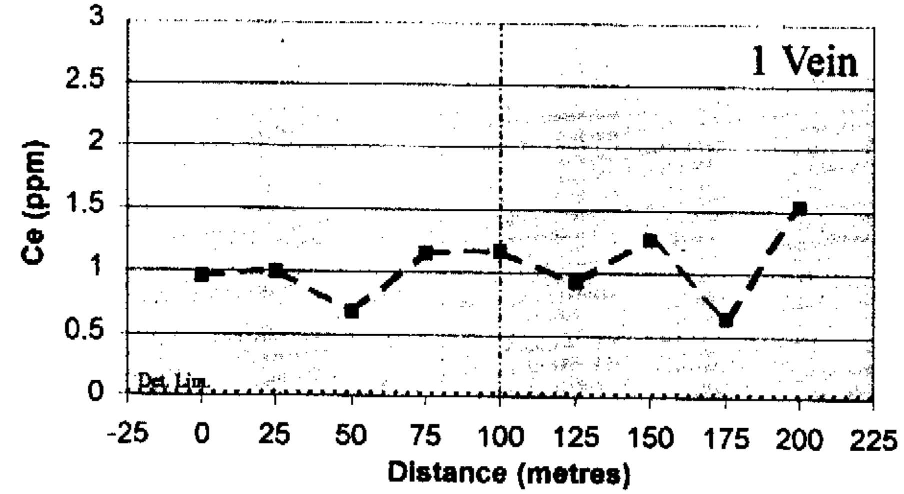

E
W
Watson Vein
As (ppm)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Det. Lim.
-25
0
25
50
75
100
125
150
Distance (metres)

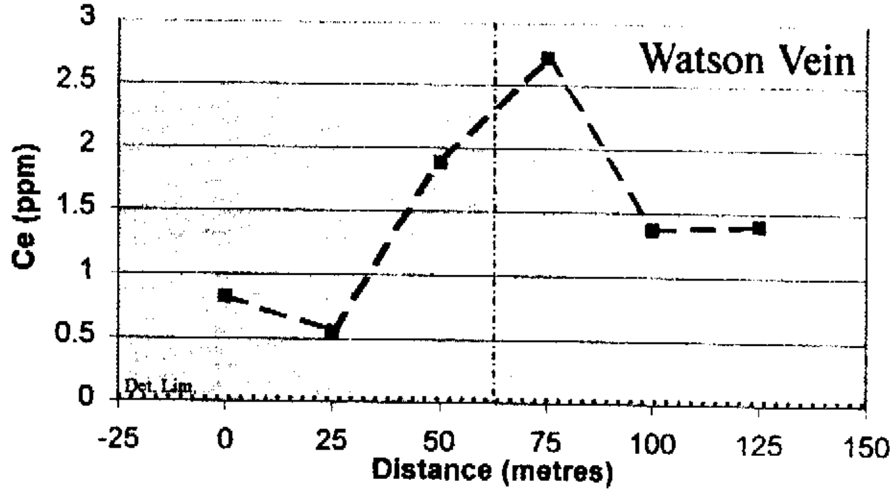

1 Vein
Ba (ppm)
50
40
30
20
10
0
Det. Lim.
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)

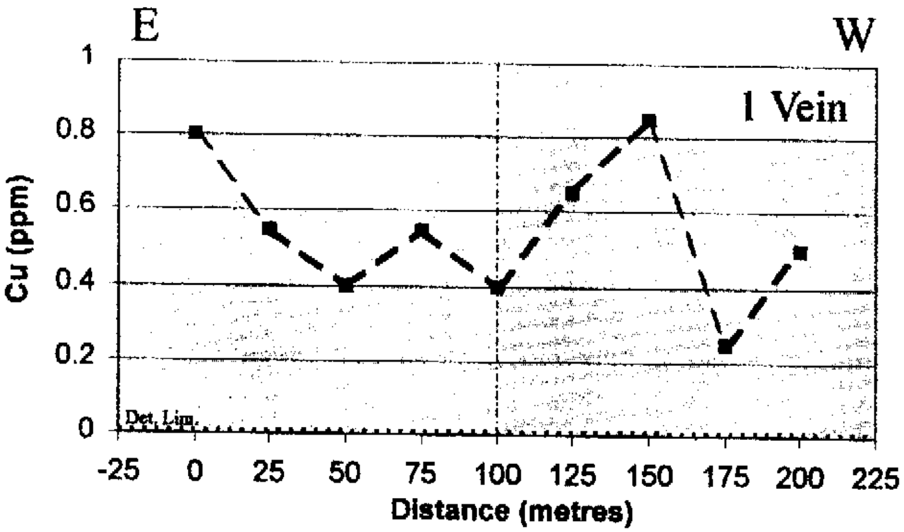

Watson Vein
Ba (ppm)
50
40
30
20
10
0
Det. Lim.
-25
0
25
50
75
100
125
150
Distance (metres)

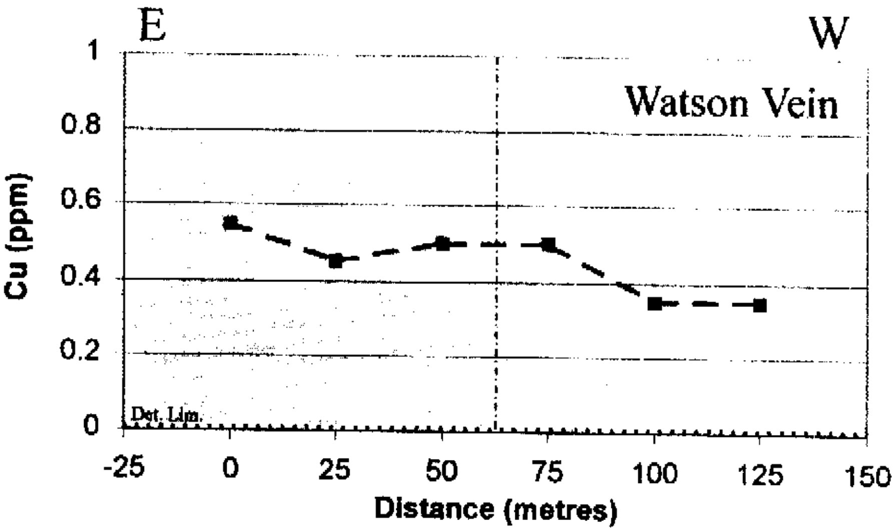

E
W
1 Vein
Ca (ppm)
1200
1000
800
600
400
200
0
Det. Lim.
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)

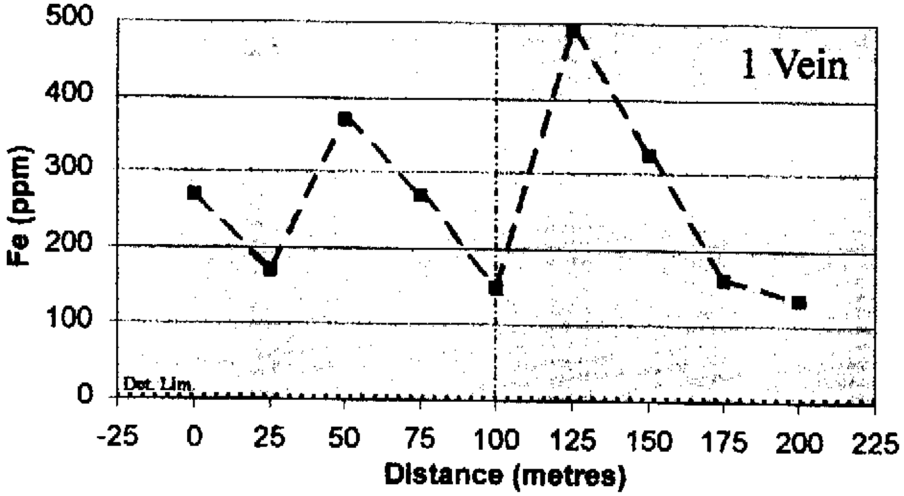

E
W
Watson Vein
Ca (ppm)
1200
1000
800
600
400
200
0
Det. Lim.
-25
0
25
50
75
100
125
150
Distance (metres)

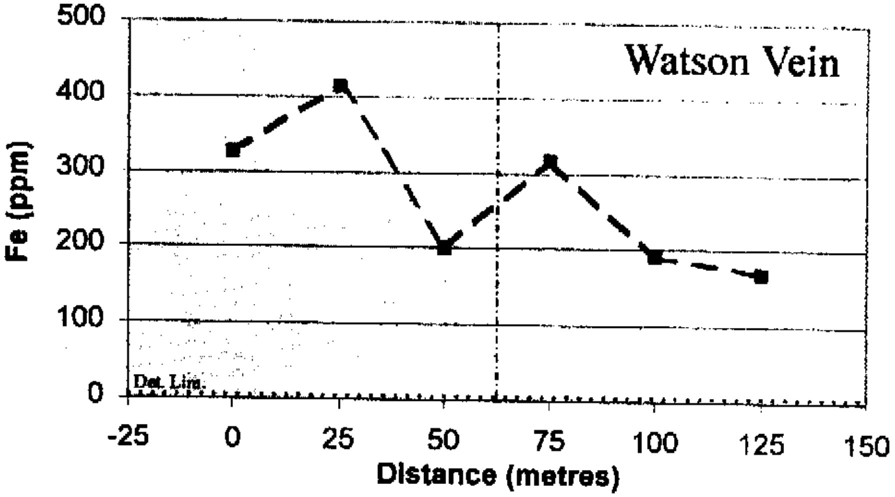

1 Vein
Ce (ppm)
3
2.5
2
1.5
1
0.5
0
Det. Lim.
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)

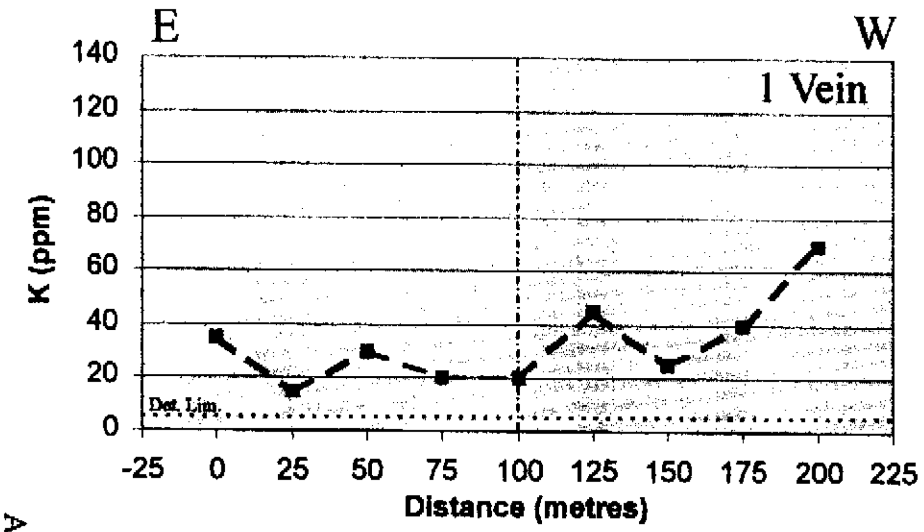

Watson Vein
Ce (ppm)
3
2.5
2
1.5
1
0.5
0
Det. Lim.
-25
0
25
50
75
100
125
150
Distance (metres)

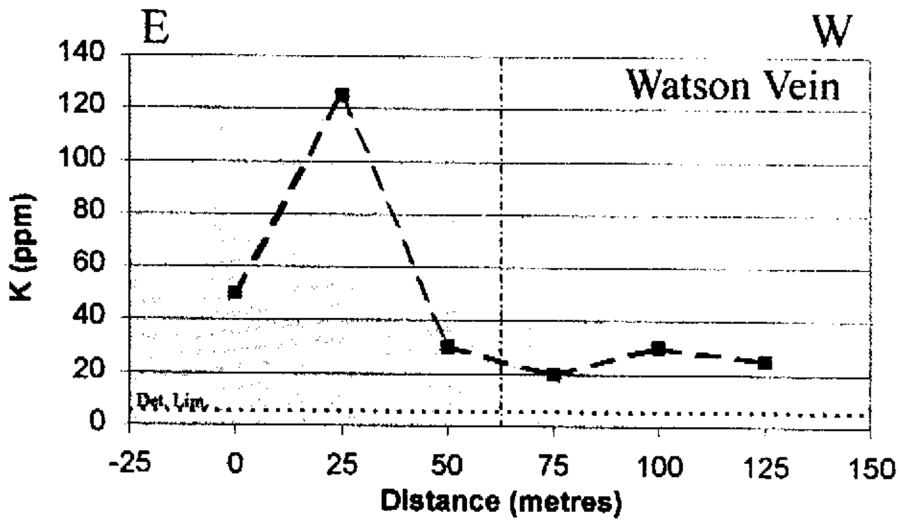

E
W
1 Vein
Cu (ppm)
1
0.8
0.6
0.4
0.2
0
Det. Lim.
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)

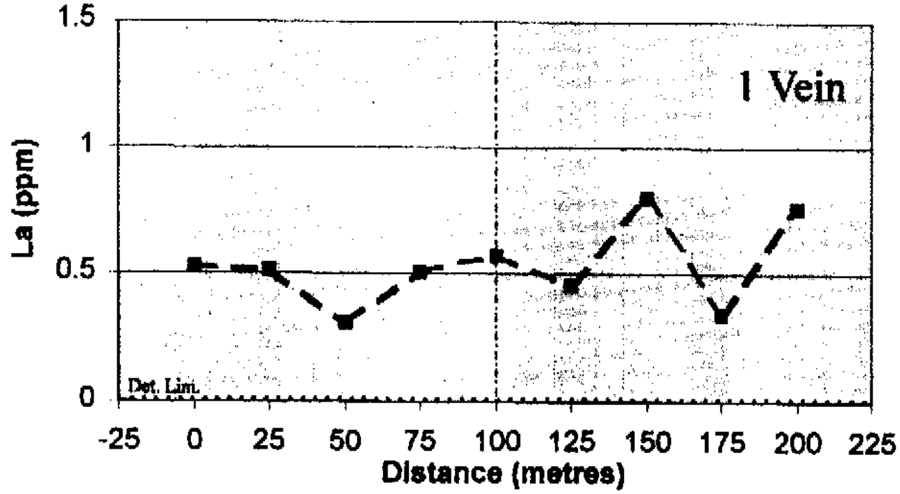

E
W
Watson Vein
Cu (ppm)
1
0.8
0.6
0.4
0.2
0
Det. Lim.
-25
0
25
50
75
100
125
150
Distance (metres)

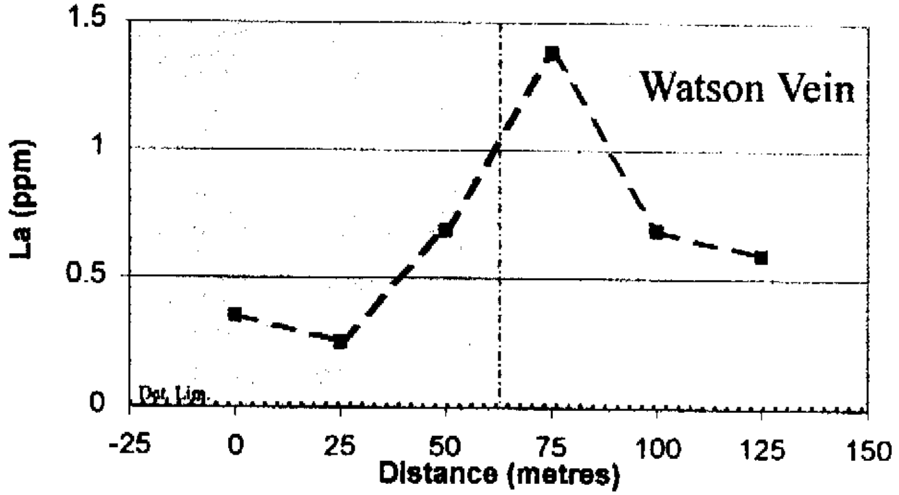

1 Vein
Fe (ppm)
500
400
300
200
100
0
Det. Lim.
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)

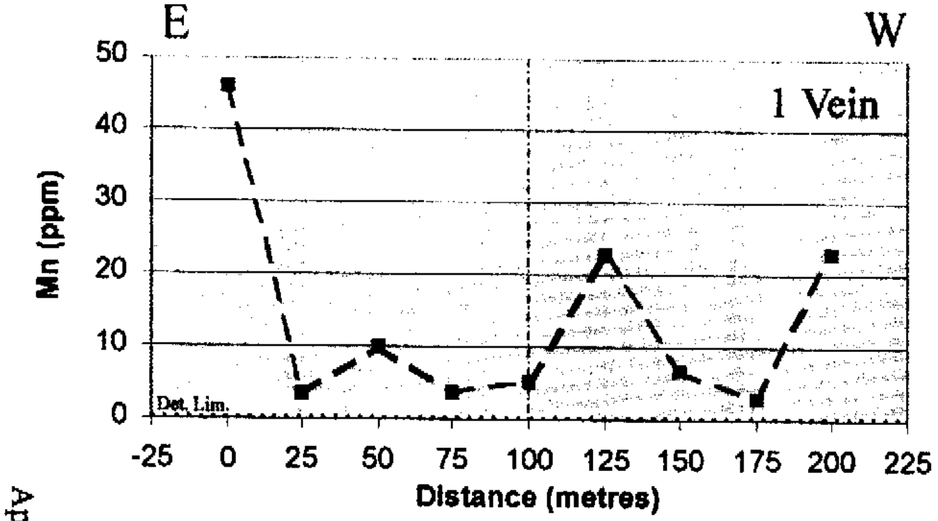

Watson Vein
Fe (ppm)
500
400
300
200
100
0
Det. Lim.
-25
0
25
50
75
100
125
150
Distance (metres)

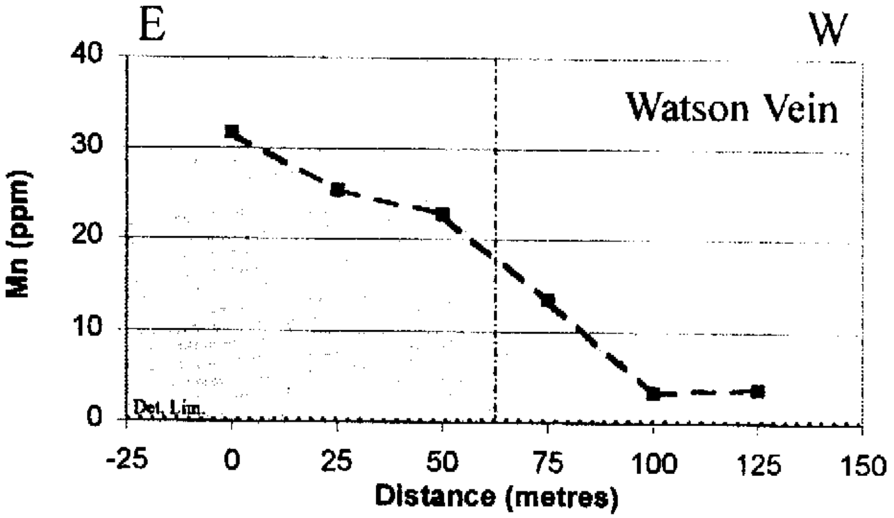

E
W
1 Vein
K (ppm)
140
120
100
80
60
40
20
0
Det. Lim.
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)

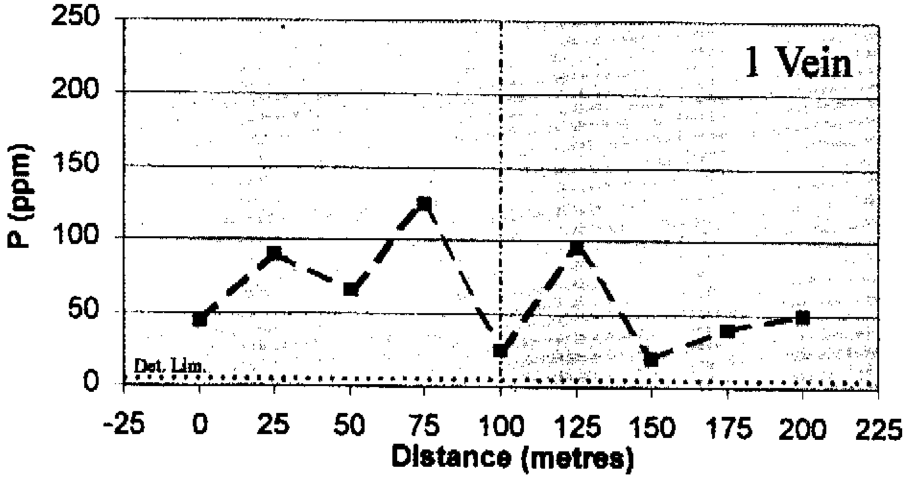

E
W
Watson Vein
K (ppm)
140
120
100
80
60
40
20
0
Det. Lim.
-25
0
25
50
75
100
125
150
Distance (metres)

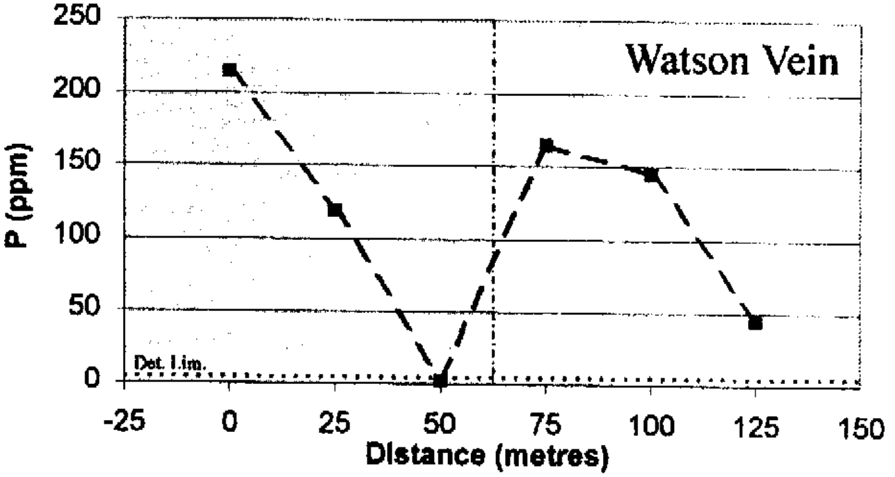

1 Vein
La (ppm)
1.5
1
0.5
0
Det. Lim.
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)


Watson Vein
La (ppm)
1.5
1
0.5
0
Det. Lim.
-25
0
25
50
75
100
125
150
Distance (metres)

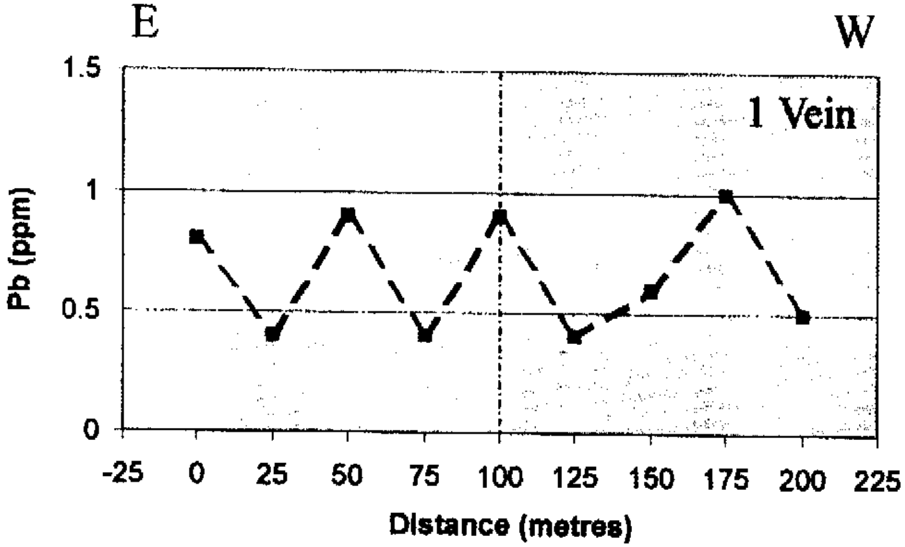

E
W
1 Vein
Mn (ppm)
50
40
30
20
10
0
Det. Lim.
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)

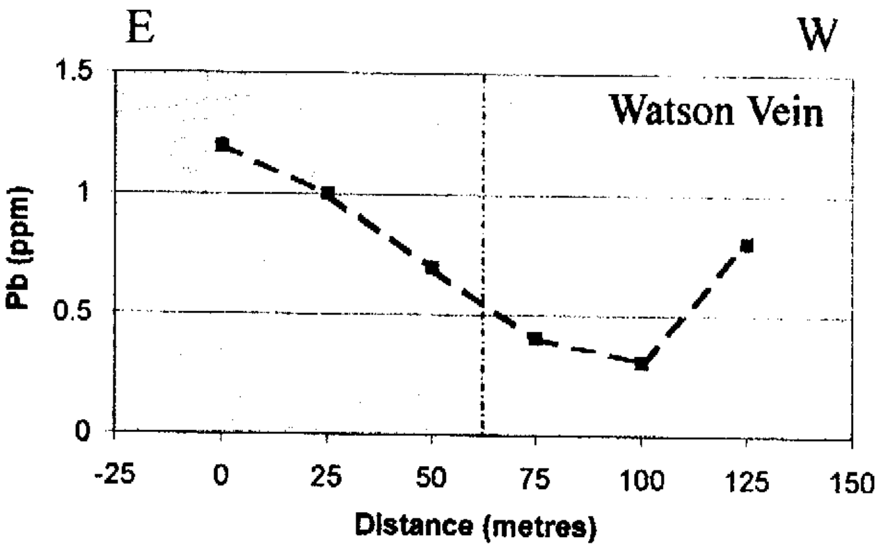

E
W
Watson Vein
Mn (ppm)
40
30
20
10
0
Det. Lim.
-25
0
25
50
75
100
125
150
Distance (metres)

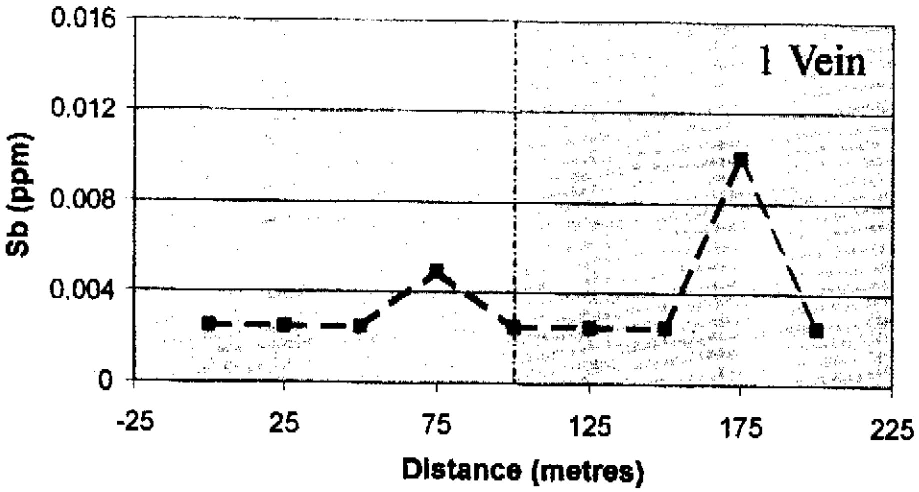

1 Vein
P (ppm)
250
200
150
100
50
0
Det. Lim.
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)

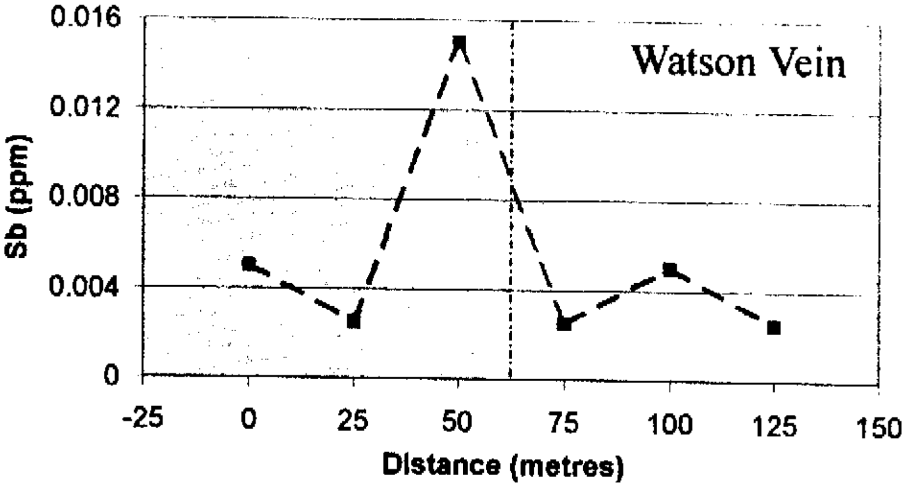

Watson Vein
P (ppm)
250
200
150
100
50
0
Det. Lim.
-25
0
25
50
75
100
125
150
Distance (metres)

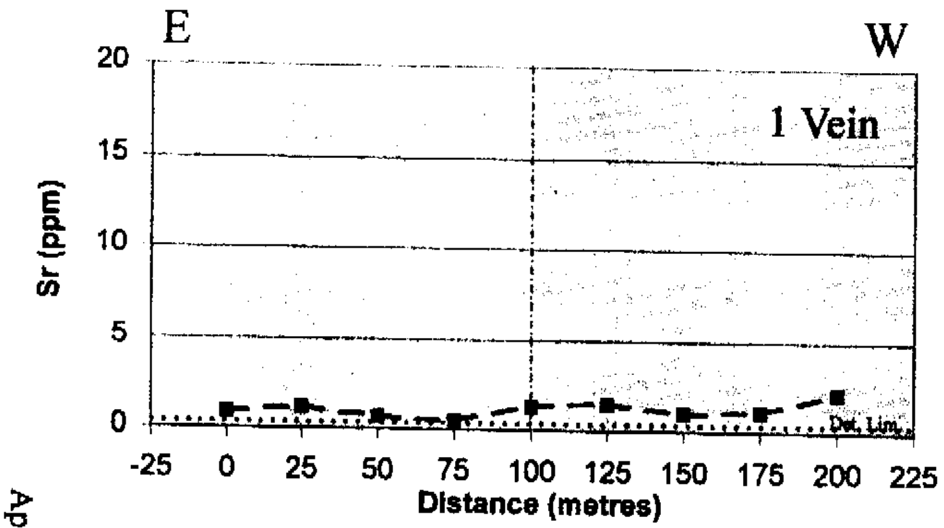
Appendix 1

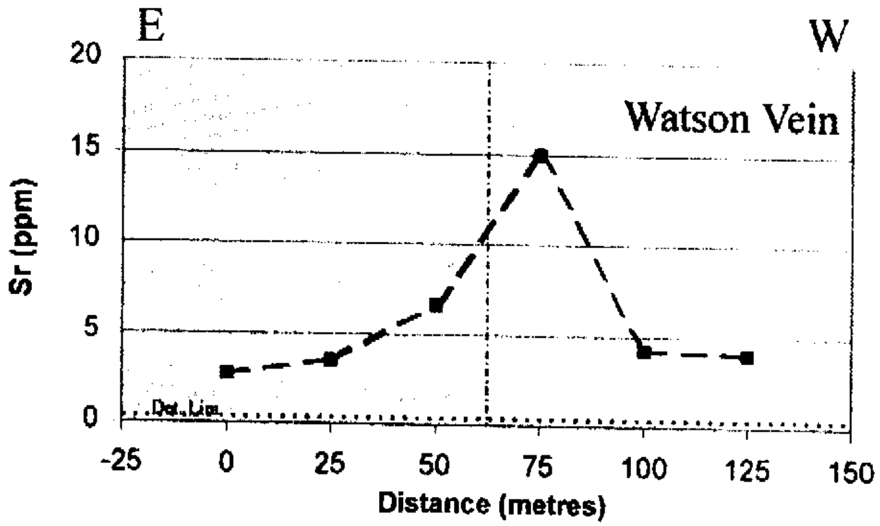

E
W
1 Vein
Pb (ppm)
1.5
1
0.5
0
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)

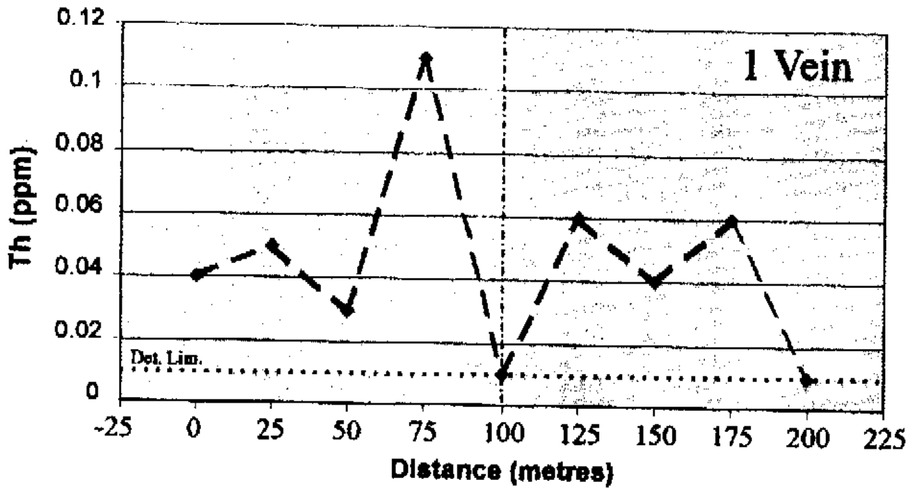

E
W
Watson Vein
Pb (ppm)
1.5
1
0.5
0
-25
0
25
50
75
100
125
150
Distance (metres)

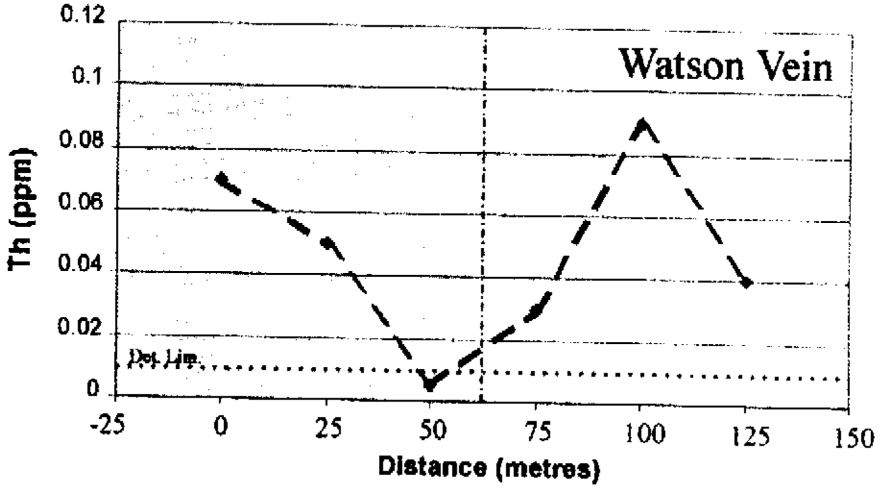

1 Vein
Sb (ppm)
0.016
0.012
0.008
0.004
0
-25
25
75
125
175
225
Distance (metres)

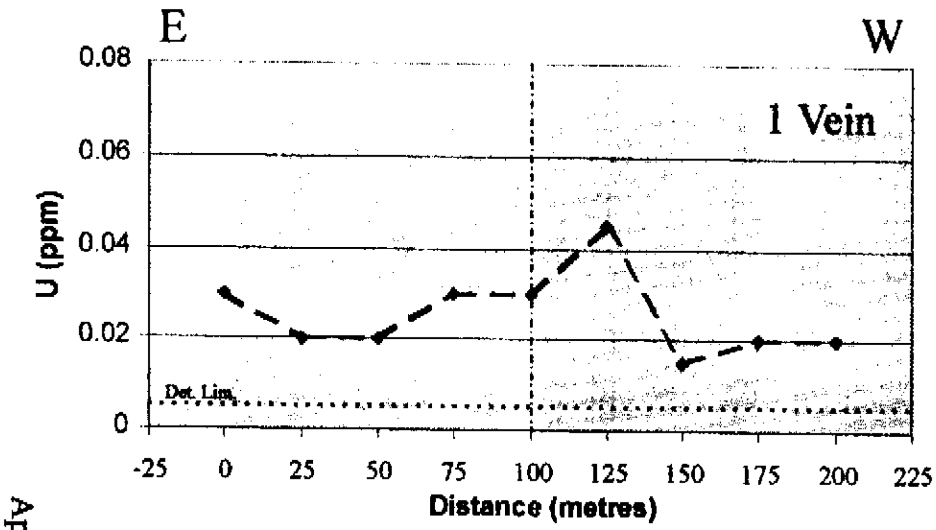

Watson Vein
Sb (ppm)
0.016
0.012
0.008
0.004
0
-25
0
25
50
75
100
125
150
Distance (metres)

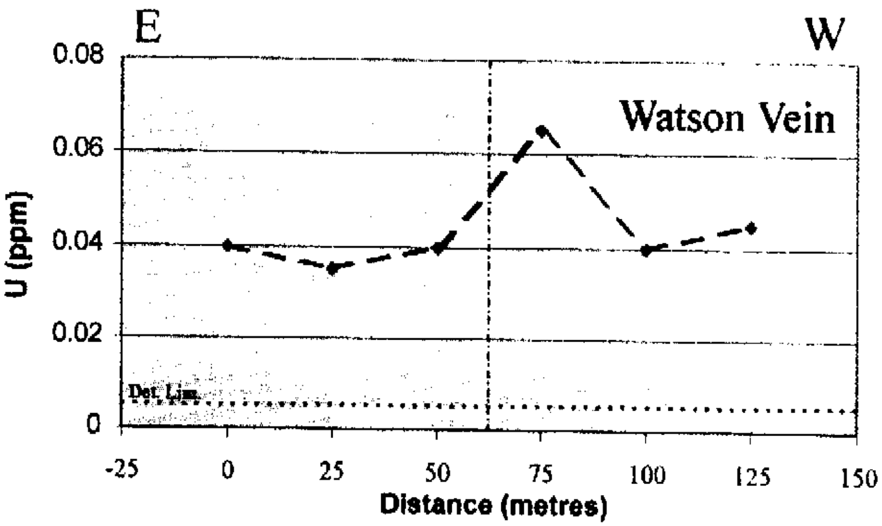

E
W
1 Vein
Sr (ppm)
20
15
10
5
0
Det. Lim.
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)

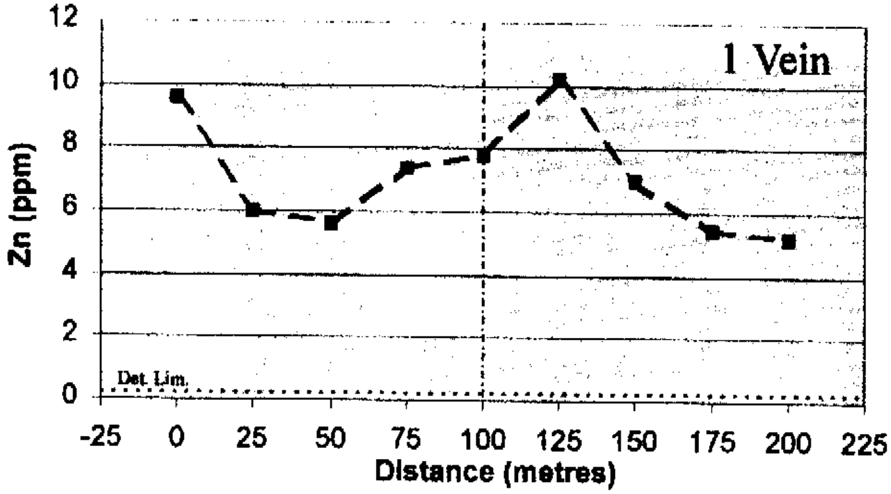

E
W
Watson Vein
Sr (ppm)
20
15
10
5
0
Det. Lim.
-25
0
25
50
75
100
125
150
Distance (metres)

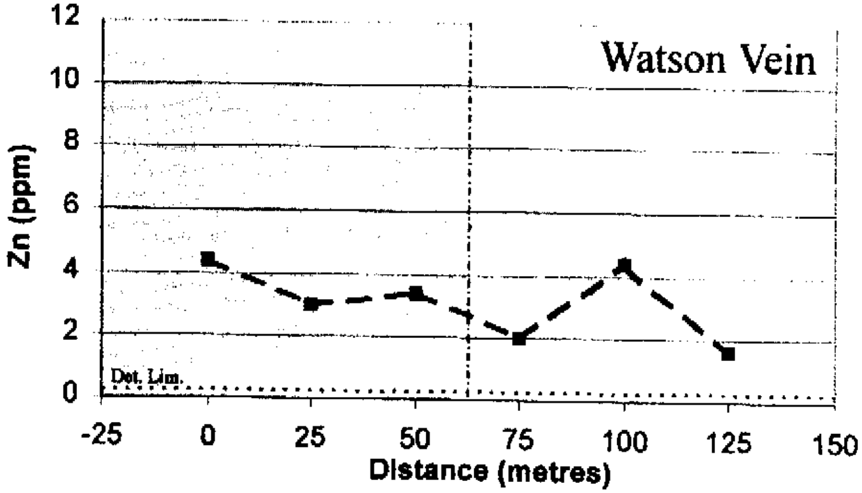

1 Vein
Th (ppm)
0.12
0.1
0.08
0.06
0.04
0.02
0
Det. Lim.
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)


Watson Vein
Th (ppm)
0.12
0.1
0.08
0.06
0.04
0.02
0
Det. Lim.
-25
0
25
50
75
100
125
150
Distance (metres)

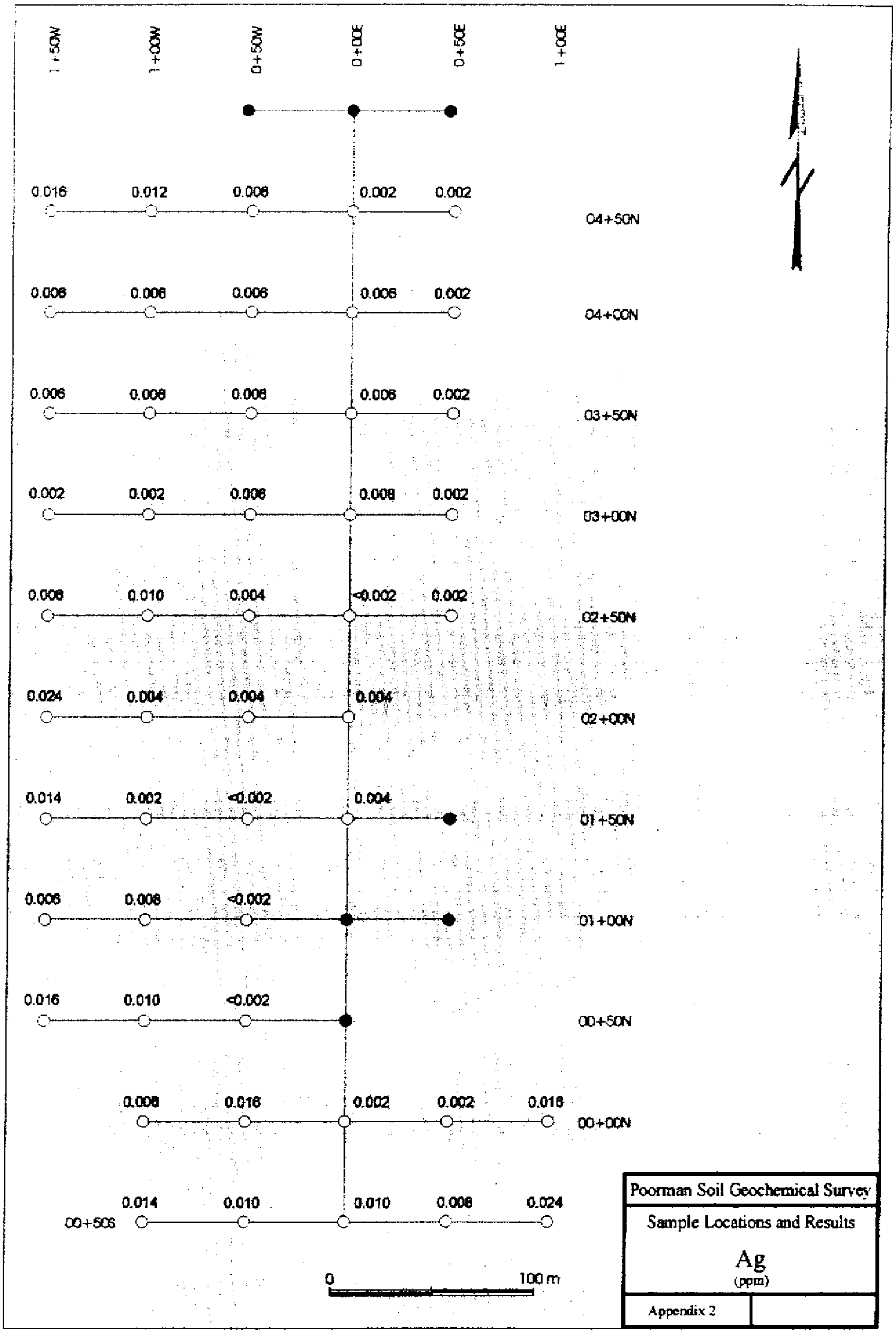

E
W
1 Vein
U (ppm)
0.08
0.06
0.04
0.02
0
Det. Lim.
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)


E
W
Watson Vein
U (ppm)
0.08
0.06
0.04
0.02
0
Det. Lim.
-25
0
25
50
75
100
125
150
Distance (metres)


1 Vein
Zn (ppm)
12
10
8
6
4
2
0
Det. Lim.
-25
0
25
50
75
100
125
150
175
200
225
Distance (metres)


Watson Vein
Zn (ppm)
12
10
8
6
4
2
0
Det. Lim.
-25
0
25
50
75
100
125
150
Distance (metres)

APPENDIX 2: Poorman Soil Grid – Sample Location and Results

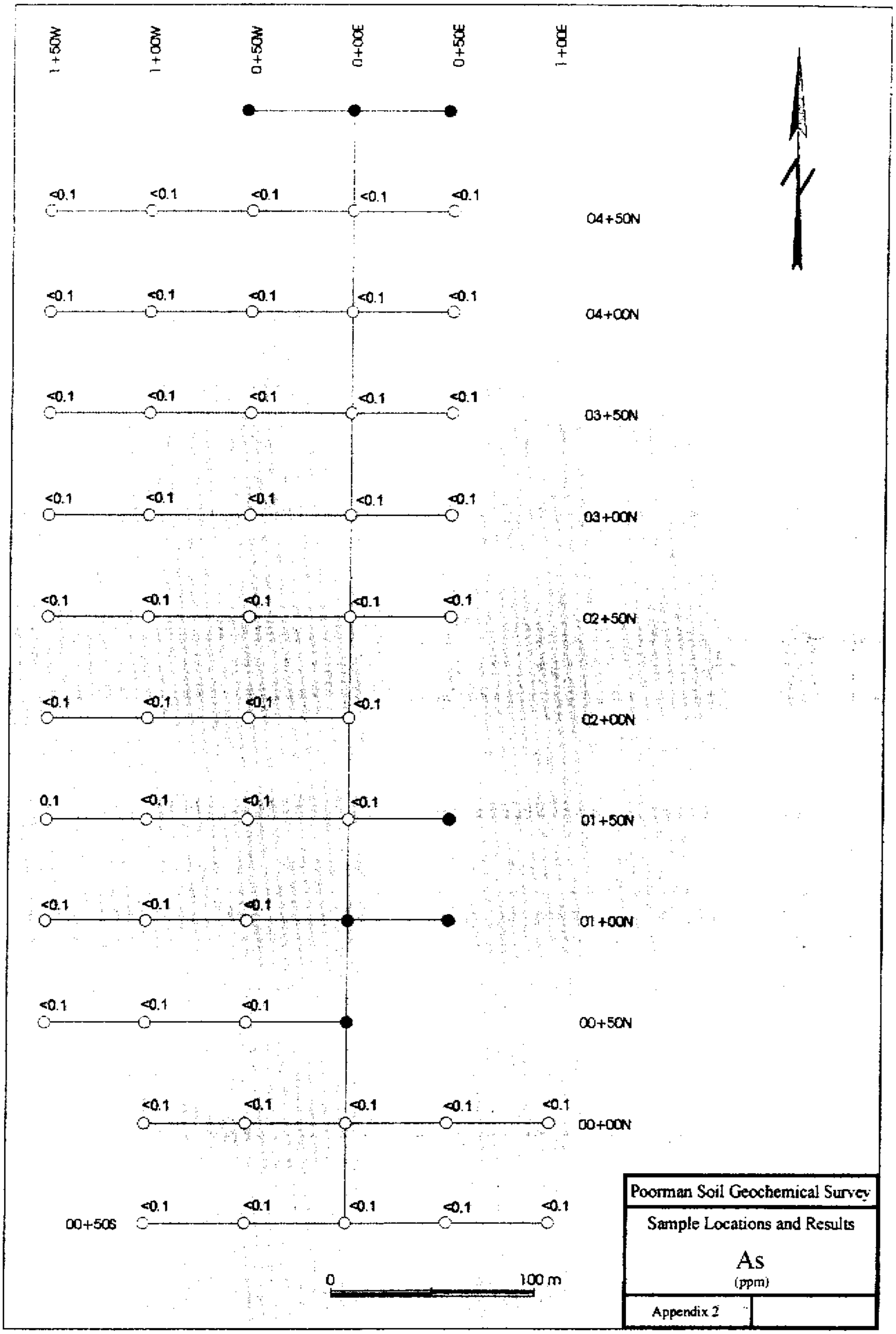


Poorman Soil Geochemical Survey

Sample Locations and Results

Ag
(ppm)

Appendix 2

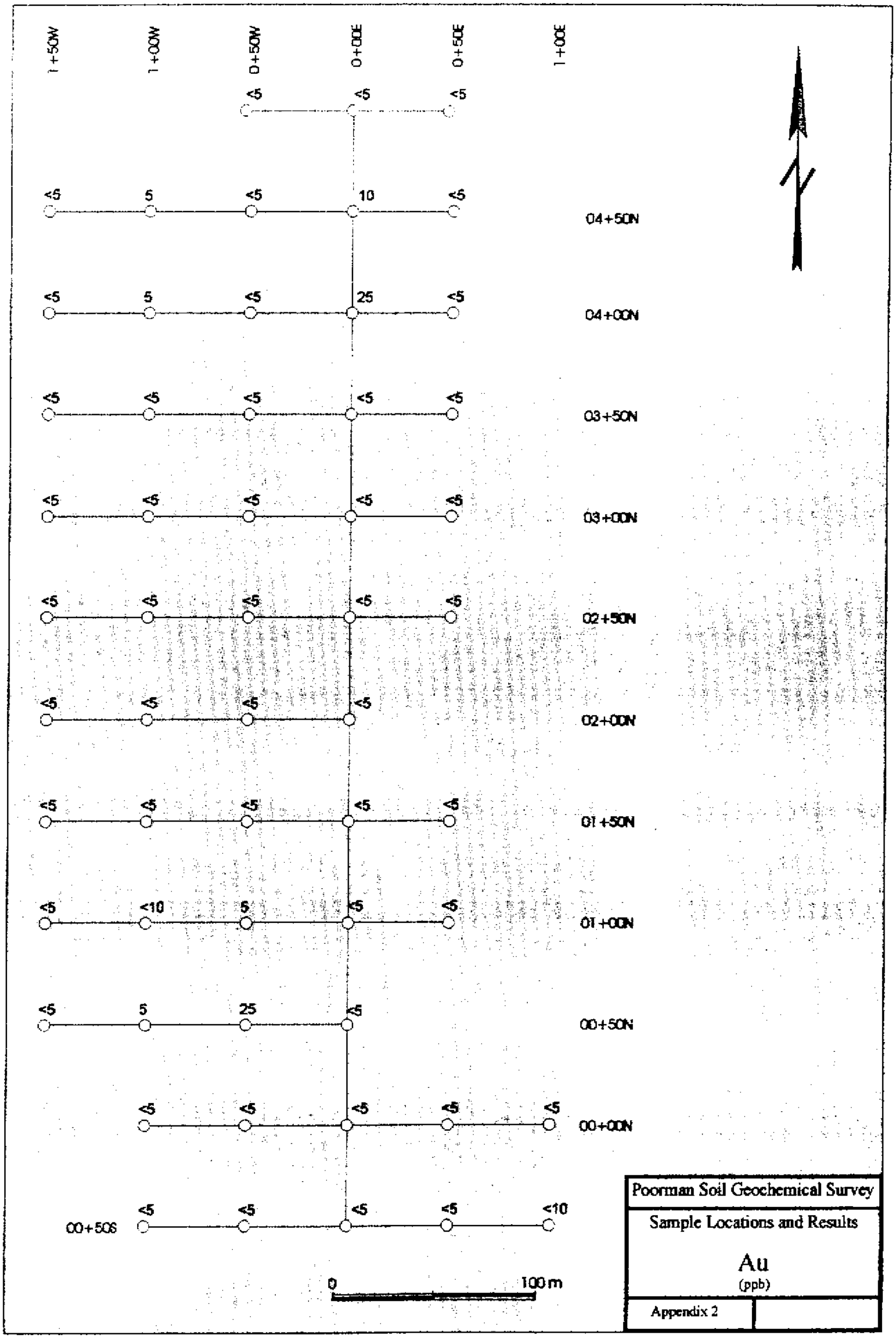


Poorman Soil Geochemical Survey

Sample Locations and Results

As
(ppm)

Appendix 2

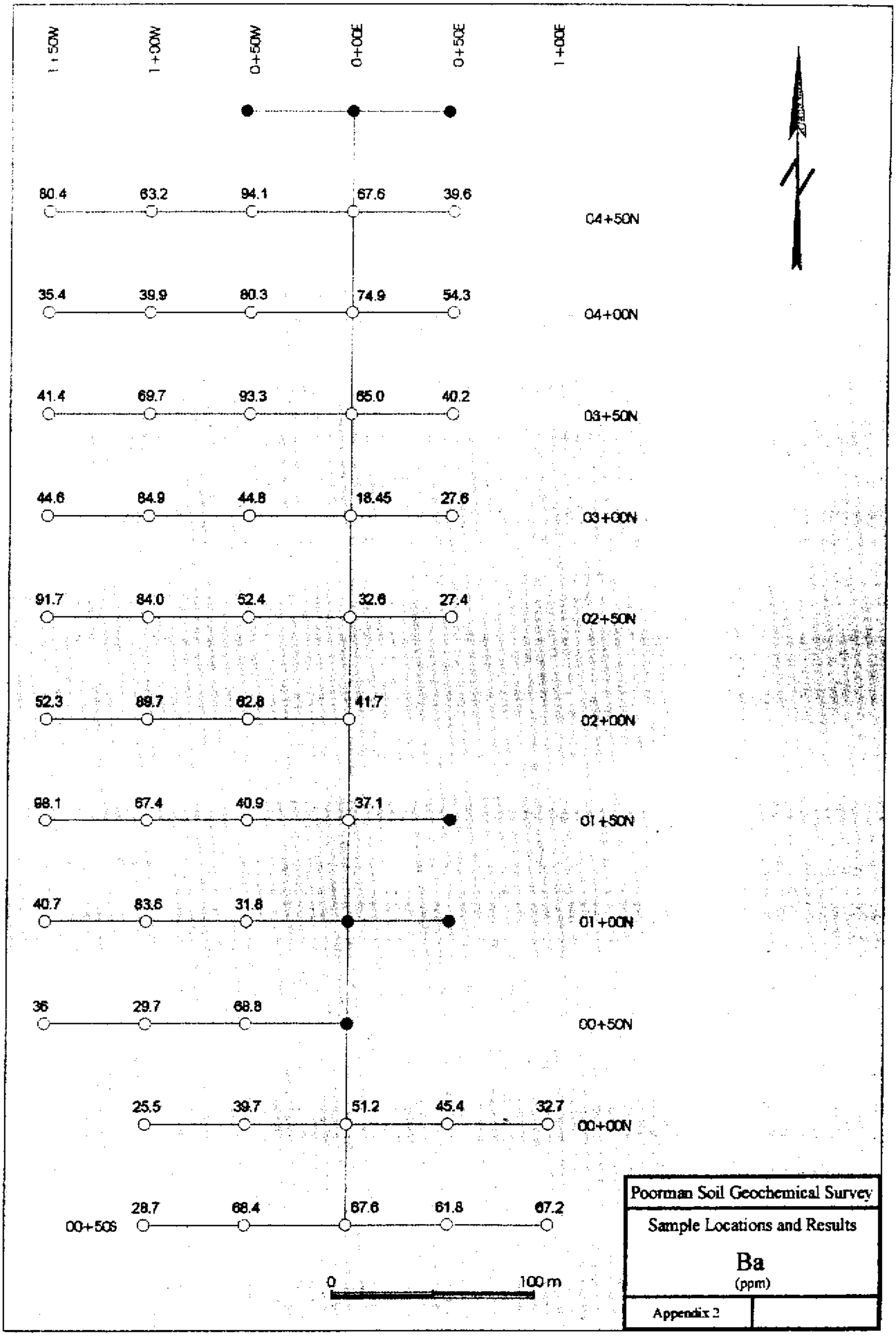


Poorman Soil Geochemical Survey

Sample Locations and Results

Au
(ppb)

Appendix 2

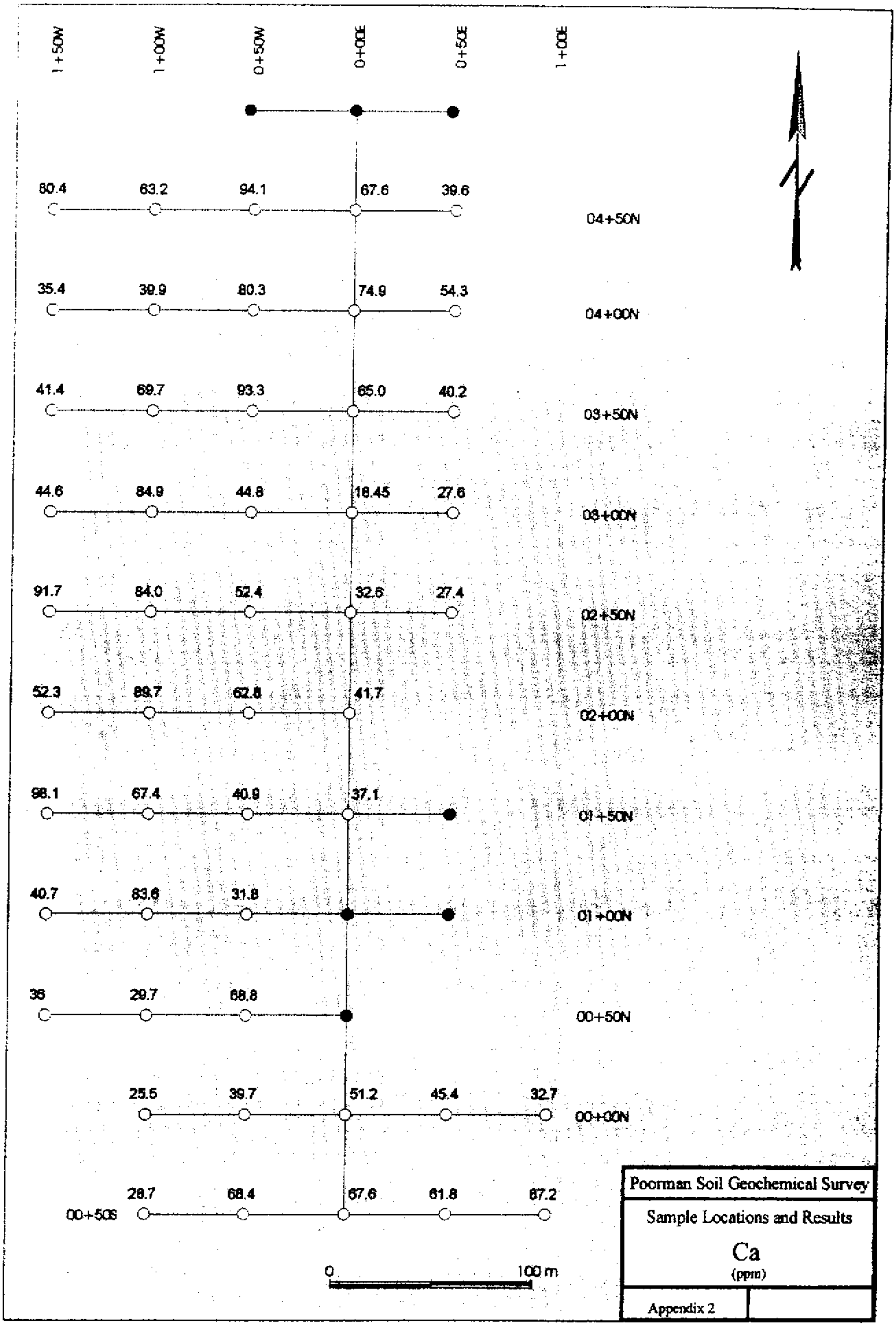


Poorman Soil Geochemical Survey

Sample Locations and Results

Ba
(ppm)

Appendix 2

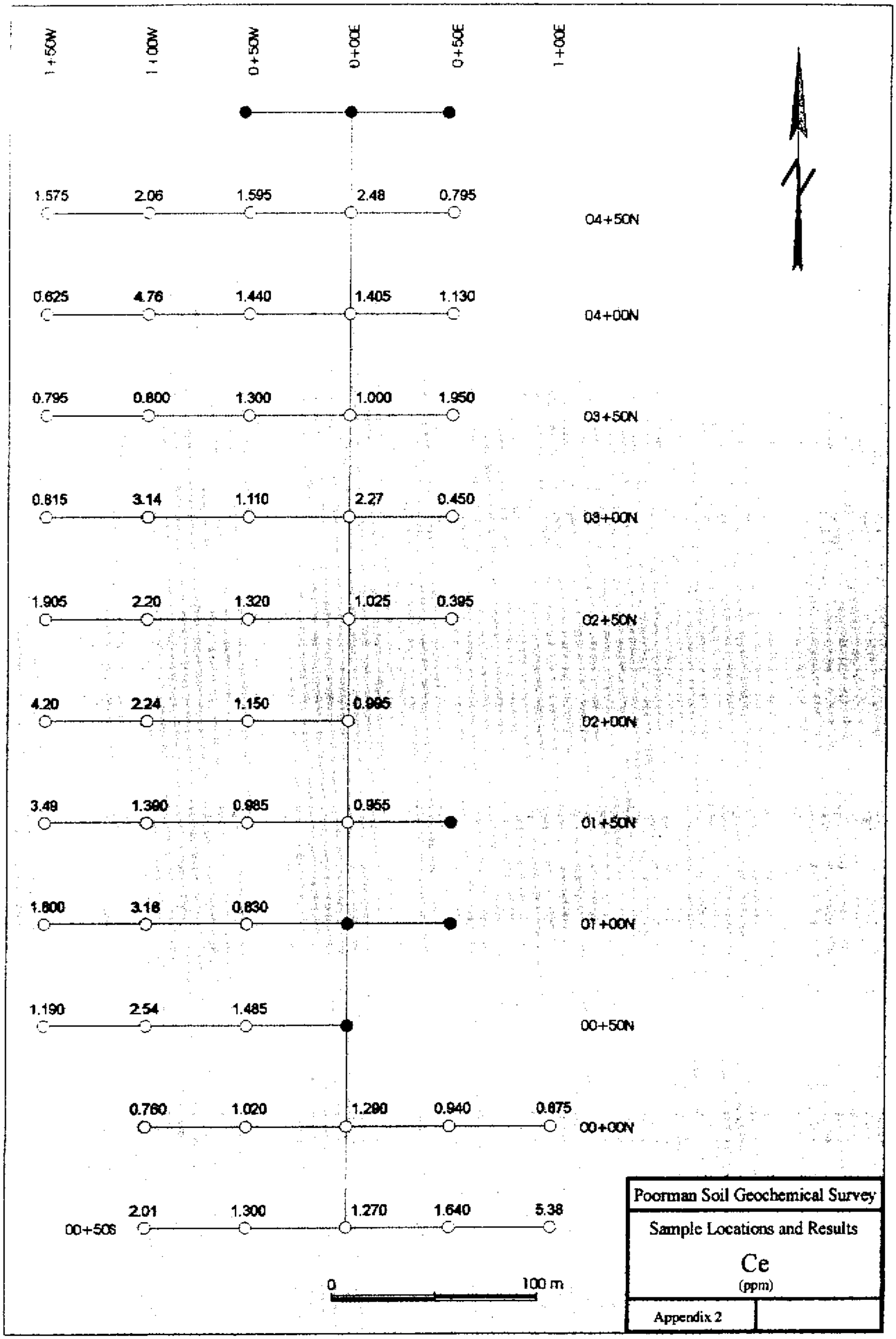


Poorman Soil Geochemical Survey

Sample Locations and Results

Ca
(ppm)

Appendix 2



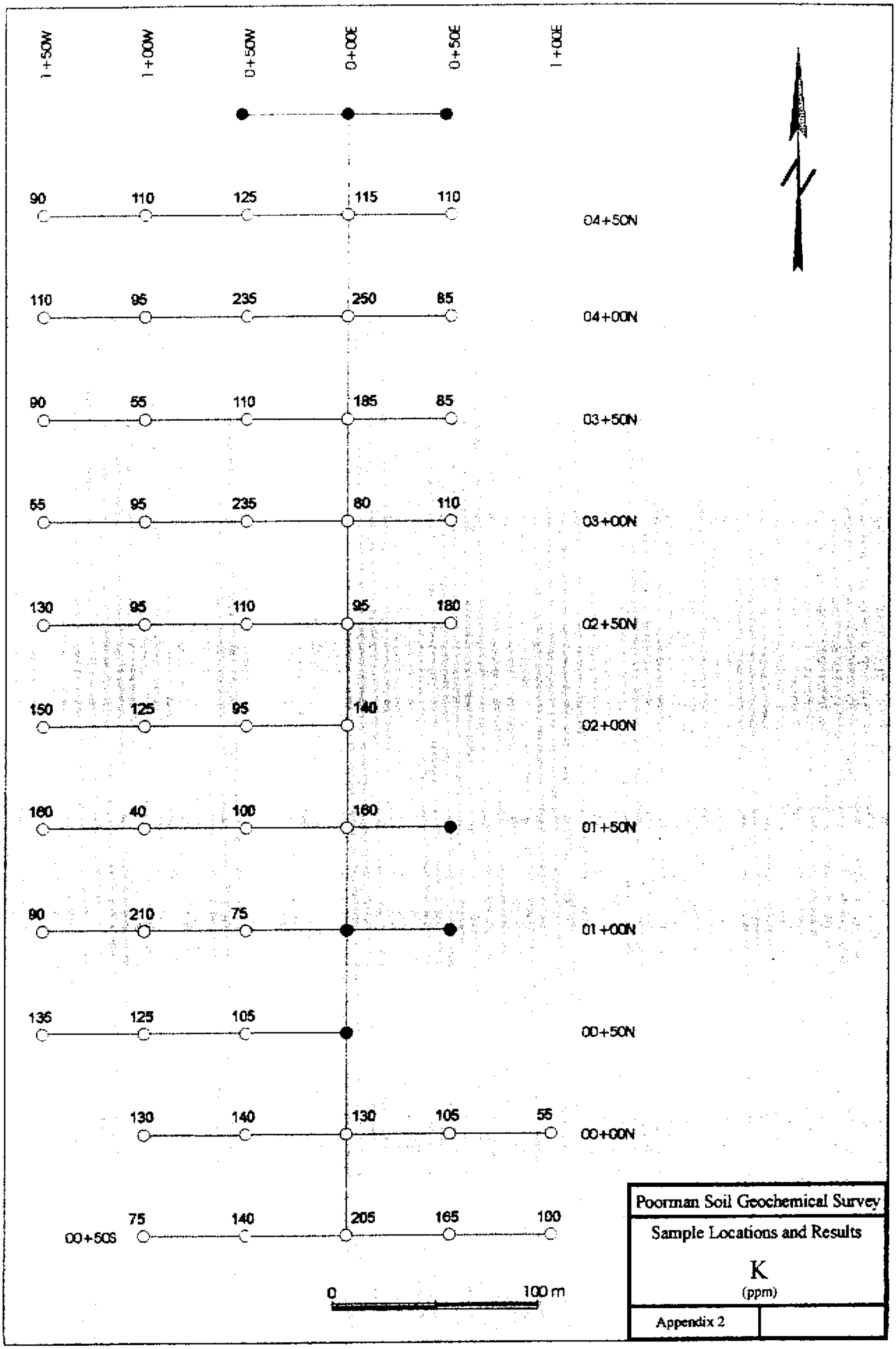
Poorman Soil Geochemical Survey

Sample Locations and Results

Ce

(ppm)

Appendix 2

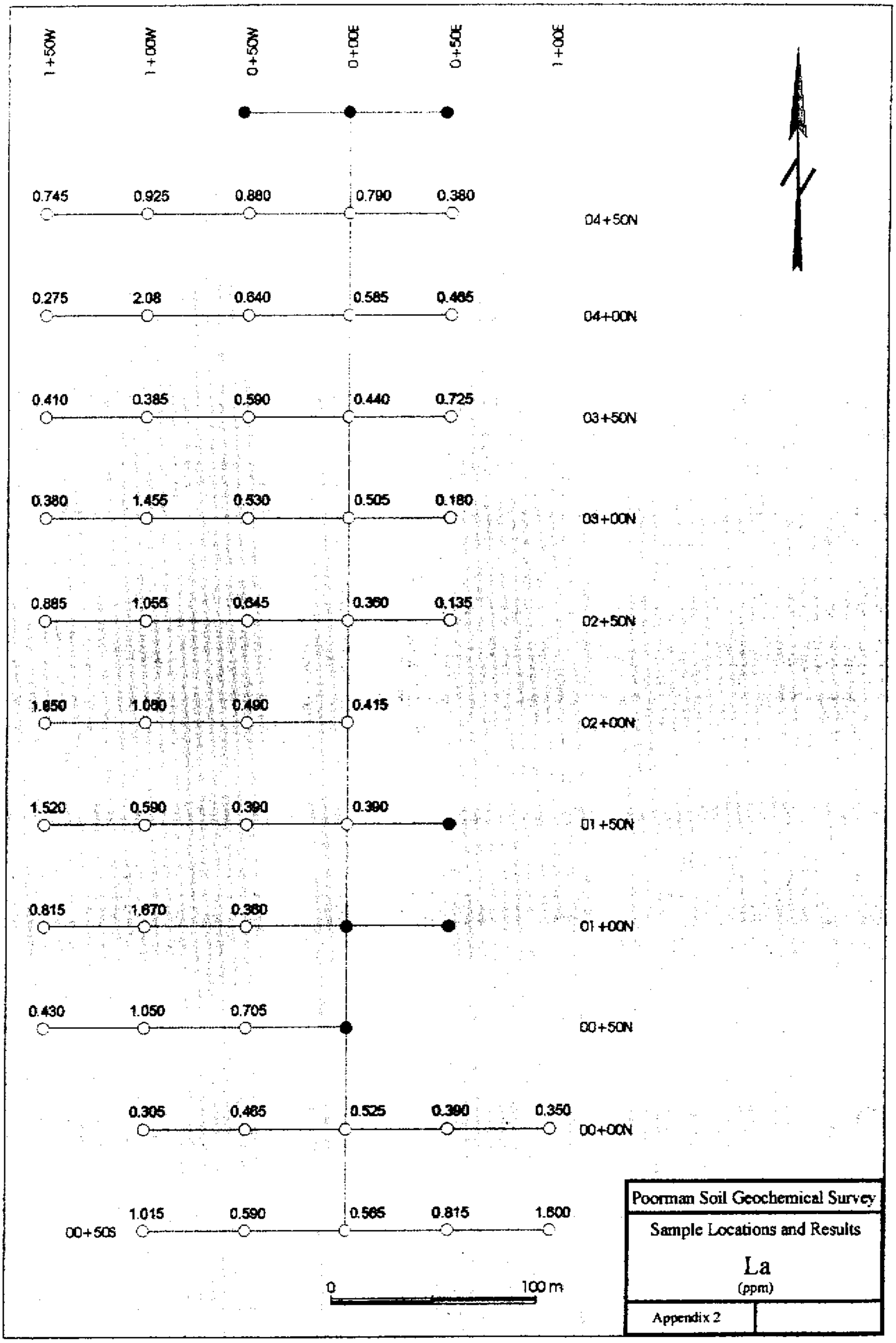


Poorman Soil Geochemical Survey

Sample Locations and Results

K
(ppm)

Appendix 2



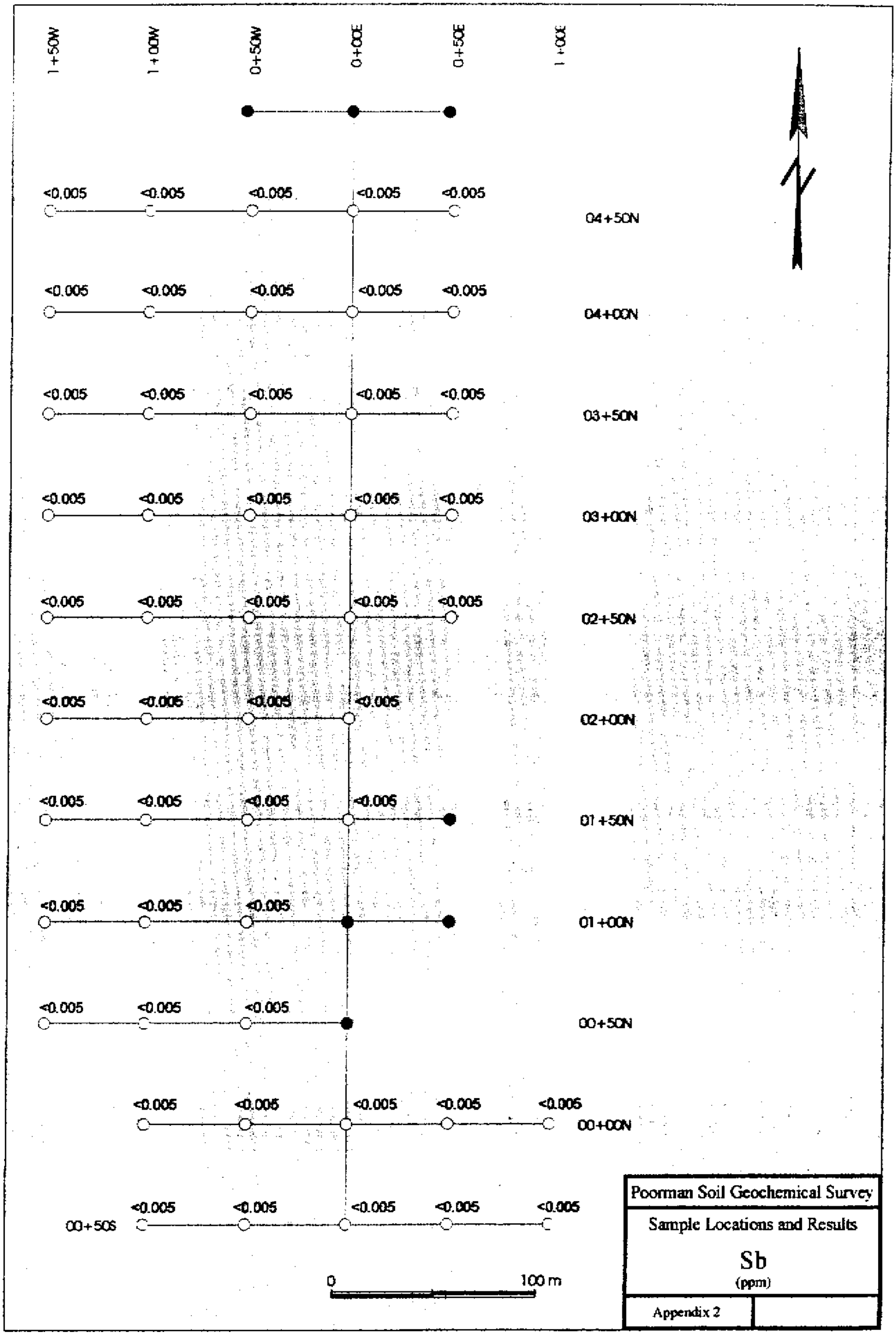
Poorman Soil Geochemical Survey

Sample Locations and Results

La

(ppm)

Appendix 2



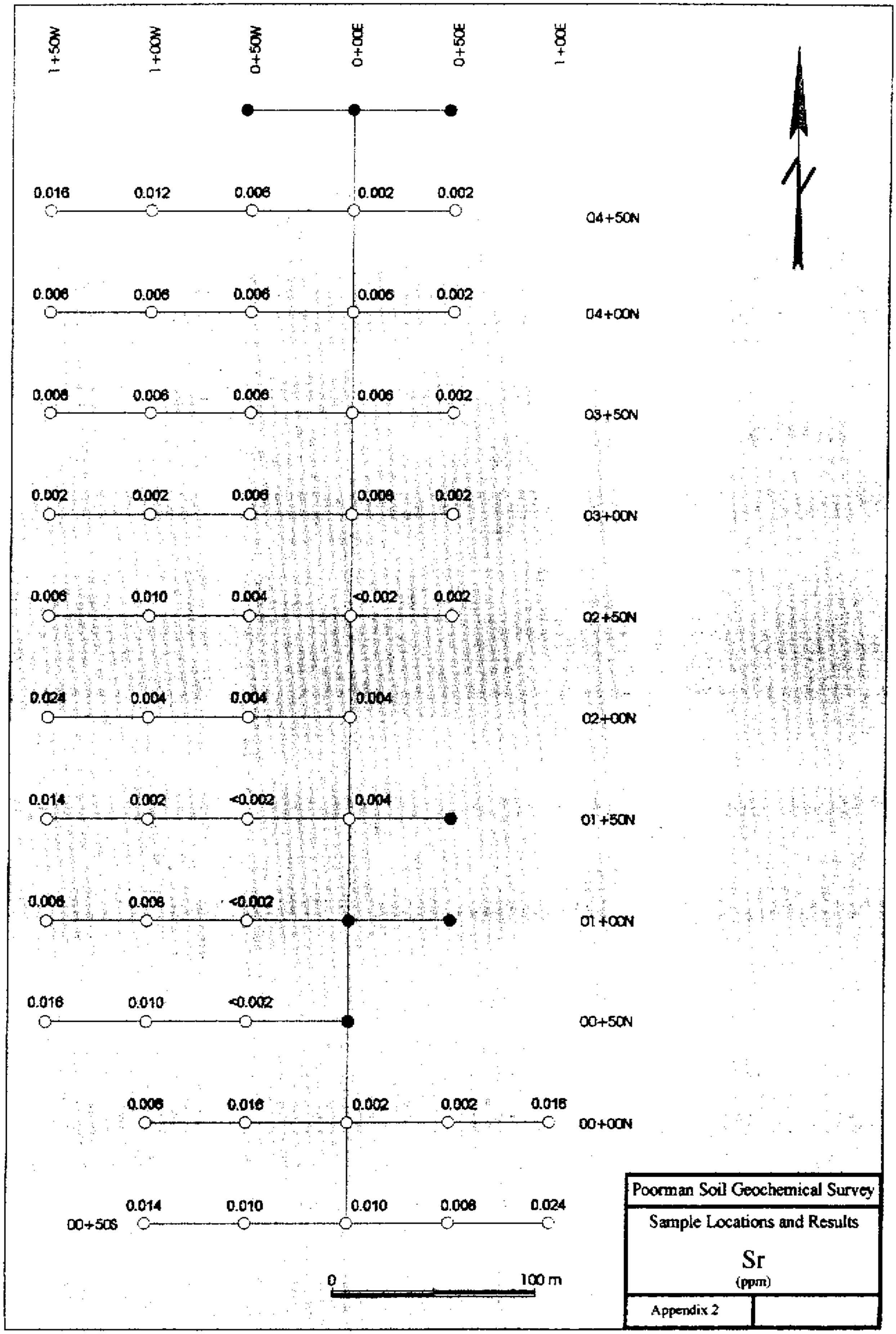
Poorman Soil Geochemical Survey

Sample Locations and Results

Sb

(ppm)

Appendix 2

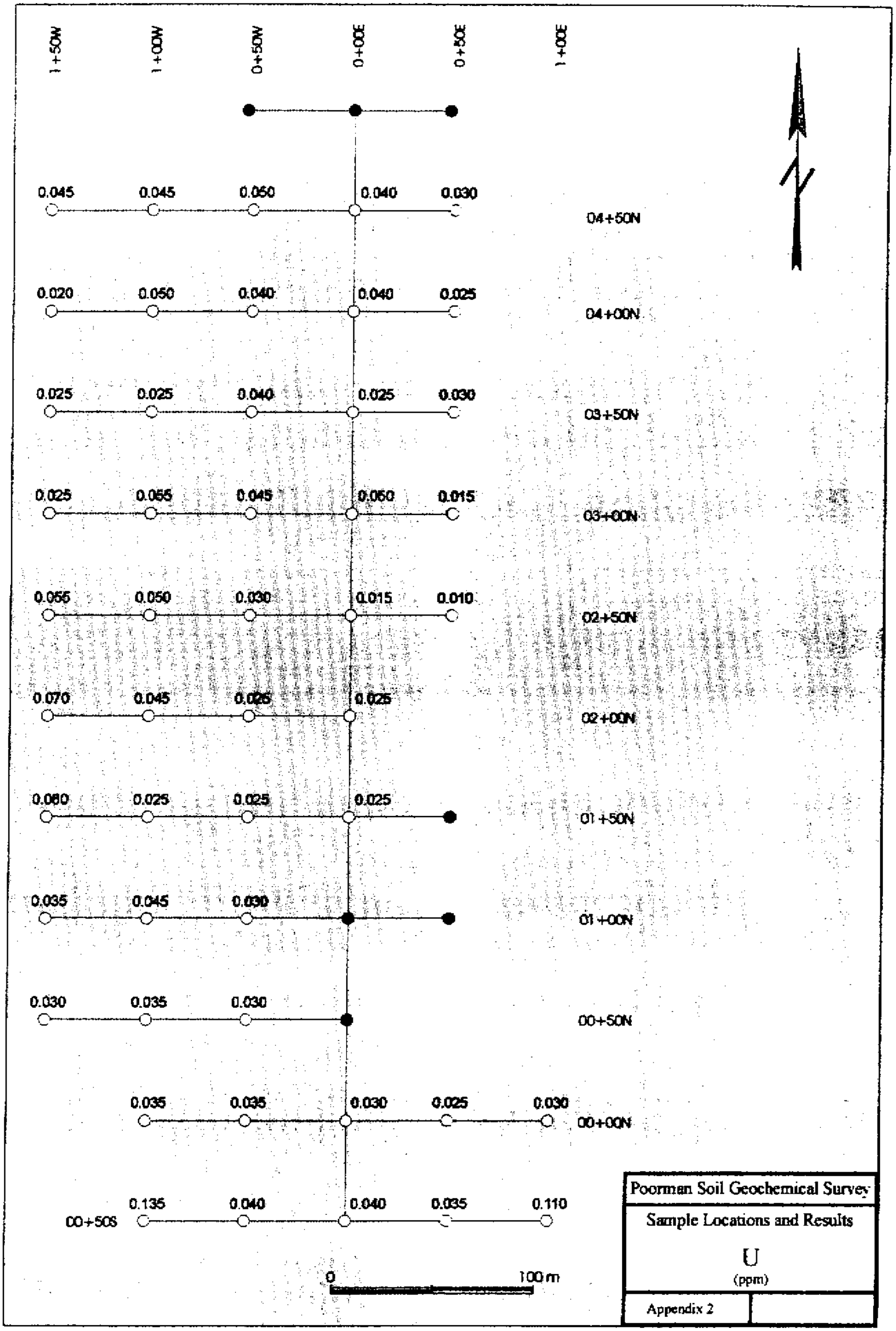


Poorman Soil Geochemical Survey

Sample Locations and Results

Sr
(ppm)

Appendix 2



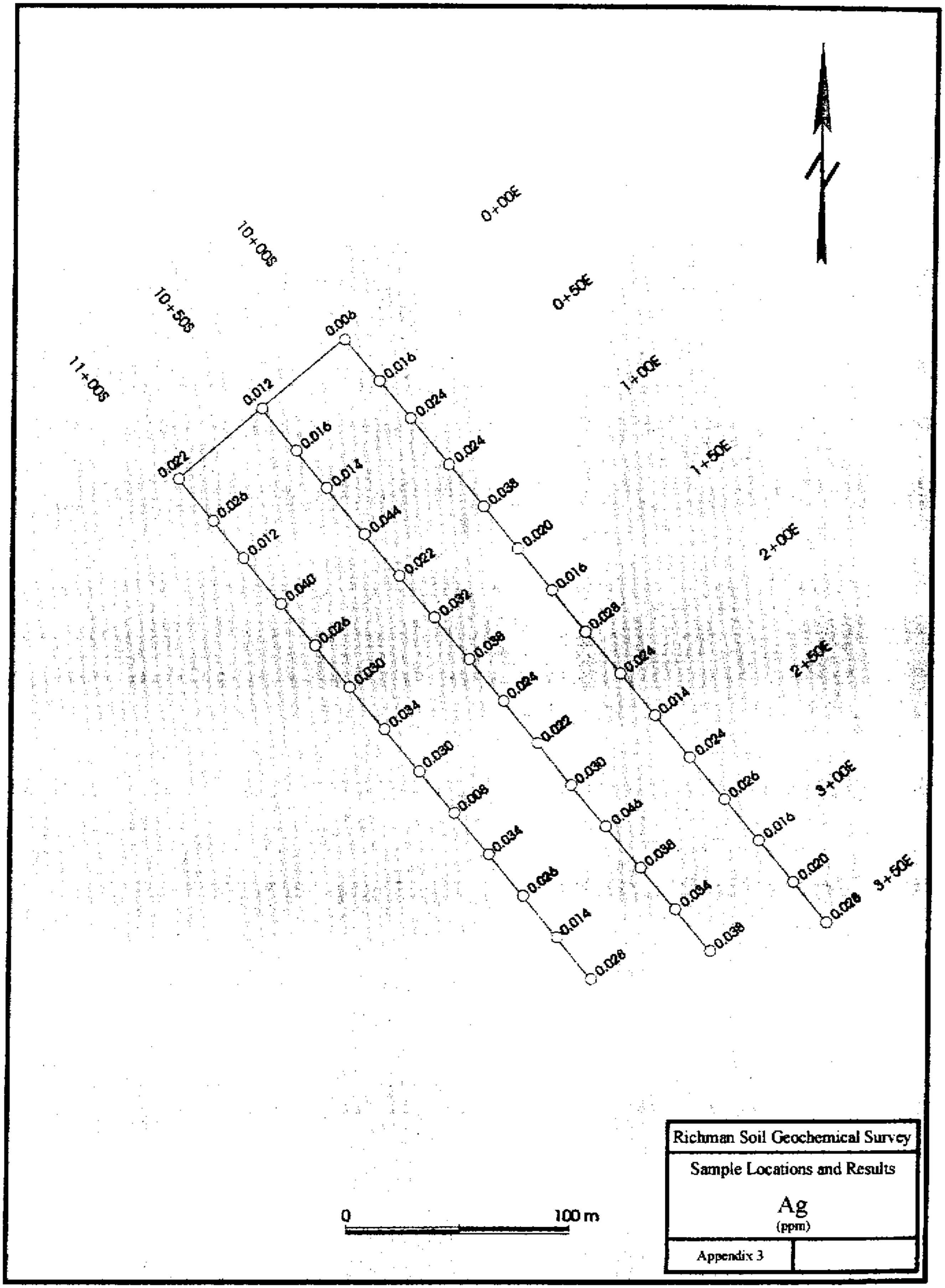
Poorman Soil Geochemical Survey

Sample Locations and Results

U
(ppm)

Appendix 2

APPENDIX 3: Richman Soil Grid - Sample Location and Results



Richman Soil Geochemical Survey

Sample Locations and Results

Ag

(ppm)

Appendix 3

APPENDIX 4: Certificates of Analysis

For soil, rock and heavy mineral stream samples

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BORONOWSKI, ALEX

3741 ST. ANDREWS AVE.
VANCOUVER, BC
V7N 2A6

Page Number : 1-A
Total Pages : 3
Certificate Date: 28-AUG-2000
Invoice No. : 10024480
P.O. Number :
Account : CDB

Project : BLACKDOME
Comments: ATTN: ALEX BORONOWSKI CC: CHRIS SEBERT

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A0024480

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm ICP-MS	Al ppm ICP-MS	As ppm ICP-MS	Au ppm ICP-MS	Ba ppm ICP-MS	Be ppm ICP-MS	Bi ppm ICP-MS	Br ppm ICP-MS	Ca ppm ICP-MS	Cd ppm ICP-MS	Ce ppm ICP-MS	Co ppm ICP-MS	Cr ppm ICP-MS
BC 10+00S 0+00E	201	202	-----	0.006	6190	0.1	< 0.05	18.05	0.15	< 0.005	< 2	200	0.02	1.525	0.50	0.95
BC 10+00S 0+25E	201	202	-----	0.016	7550	0.1	< 0.05	14.35	0.15	< 0.005	2	200	0.04	1.725	0.50	1.35
BC 10+00S 0+50E	201	202	-----	0.024	3750	< 0.1	< 0.05	23.8	0.10	< 0.005	< 2	170	0.03	1.980	0.05	0.55
BC 10+00S 0+75E	201	202	-----	0.024	6670	0.1	< 0.05	11.55	0.15	< 0.005	< 2	150	0.02	1.175	0.20	1.50
BC 10+00S 1+00E	201	202	-----	0.038	4010	< 0.1	< 0.05	16.30	0.15	< 0.005	< 2	300	0.07	0.920	0.60	0.95
BC 10+00S 1+25E	201	202	-----	0.020	3590	0.3	< 0.05	13.10	0.15	< 0.005	< 2	70	< 0.01	1.360	0.05	0.90
BC 10+00S 1+50E	201	202	-----	0.016	9020	0.1	< 0.05	14.30	0.20	< 0.005	< 2	110	0.04	2.04	0.50	1.20
BC 10+00S 1+75E	201	202	-----	0.028	5370	< 0.1	< 0.05	14.20	0.15	< 0.005	< 2	150	0.03	1.870	0.30	0.75
BC 10+00S 2+00E	201	202	-----	0.024	4200	0.1	< 0.05	31.0	0.20	< 0.005	< 2	300	0.03	2.56	0.20	0.50
BC 10+00S 2+25E	201	202	-----	0.014	3610	< 0.1	< 0.05	6.20	0.05	< 0.005	< 2	120	< 0.01	2.79	0.10	0.45
BC 10+00S 2+50E	201	202	-----	0.024	3620	0.1	< 0.05	13.85	0.05	< 0.005	< 2	70	0.01	0.725	0.05	0.75
BC 10+00S 2+75E	201	202	-----	0.026	7230	< 0.1	< 0.05	12.25	0.15	< 0.005	2	190	0.04	2.33	0.15	1.00
BC 10+00S 3+00E	201	202	-----	0.016	3860	0.1	< 0.05	23.3	0.15	< 0.005	< 2	20	< 0.01	1.860	0.10	0.60
BC 10+00S 3+25E	201	202	-----	0.020	2770	< 0.1	< 0.05	31.1	0.05	< 0.005	< 2	100	< 0.01	1.435	0.05	0.50
BC 10+00S 3+50E	201	202	-----	0.028	2890	0.1	< 0.05	14.10	0.10	< 0.005	< 2	310	0.01	0.845	0.10	0.45
BC 10+50S 0+00E	201	202	-----	0.012	9380	0.1	< 0.05	18.90	0.10	< 0.005	< 2	150	0.01	1.540	0.15	1.40
BC 10+50S 0+25E	201	202	-----	0.016	8030	0.1	< 0.05	14.65	0.15	< 0.005	< 2	230	0.03	1.590	0.25	1.05
BC 10+50S 0+50E	201	202	-----	0.014	7450	0.2	< 0.05	20.5	0.15	< 0.005	< 2	230	0.03	2.02	0.40	1.10
BC 10+50S 0+75E	201	202	-----	0.044	5660	0.1	< 0.05	11.95	0.05	< 0.005	< 2	240	0.05	0.940	0.35	1.25
BC 10+50S 1+00E	201	202	-----	0.022	6350	0.1	< 0.05	14.80	0.05	< 0.005	< 2	230	0.03	1.245	0.20	1.30
BC 10+50S 1+25E	201	202	-----	0.032	2310	< 0.1	< 0.05	29.1	0.15	< 0.005	< 2	300	0.05	3.44	0.35	0.55
BC 10+50S 1+50E	201	202	-----	0.038	4710	0.1	< 0.05	12.25	0.15	< 0.005	< 2	50	0.03	1.875	0.55	0.95
BC 10+50S 1+75E	201	202	-----	0.024	5200	< 0.1	< 0.05	11.65	0.10	< 0.005	2	140	0.03	1.475	< 0.05	0.90
BC 10+50S 2+00E	201	202	-----	0.022	5860	0.1	< 0.05	17.90	0.20	< 0.005	< 2	70	0.02	2.53	0.05	0.80
BC 10+50S 2+25E	201	202	-----	0.030	4210	0.4	< 0.05	11.55	0.10	< 0.005	< 2	210	0.03	1.275	0.05	0.75
BC 10+50S 2+50E	201	202	-----	0.046	2790	< 0.1	< 0.05	18.00	0.05	< 0.005	< 2	140	0.02	1.065	0.10	0.50
BC 10+50S 2+75E	201	202	-----	0.038	3850	0.1	< 0.05	19.40	0.15	< 0.005	< 2	160	0.01	1.820	0.15	0.55
BC 10+50S 3+00E	201	202	-----	0.034	4400	0.1	< 0.05	19.60	0.10	< 0.005	< 2	110	0.01	1.960	0.05	0.60
BC 10+50S 3+25E	201	202	-----	0.038	4080	0.1	< 0.05	14.30	0.05	< 0.005	< 2	160	0.01	0.965	0.30	0.75
BC 11+00S 0+00E	201	202	-----	0.022	5150	0.1	< 0.05	17.55	0.10	< 0.005	< 2	130	0.04	1.185	0.20	1.05
BC 11+00S 0+25E	201	202	-----	0.026	4830	0.2	< 0.05	25.1	0.15	< 0.005	< 2	70	0.03	2.46	0.15	0.75
BC 11+00S 0+50E	201	202	-----	0.012	4190	0.1	< 0.05	32.3	0.10	< 0.005	< 2	170	0.01	1.715	0.15	0.65
BC 11+00S 0+75E	201	202	-----	0.040	4120	< 0.1	< 0.05	16.45	0.05	< 0.005	< 2	40	0.06	1.790	0.25	0.70
BC 11+00S 1+00E	201	202	-----	0.026	6350	0.1	< 0.05	13.40	0.20	< 0.005	< 2	70	0.02	1.580	0.60	1.20
BC 11+00S 1+25E	201	202	-----	0.030	4540	0.1	< 0.05	13.95	0.15	< 0.005	< 2	140	0.01	2.01	0.10	1.05
BC 11+00S 1+50E	201	202	-----	0.034	6360	0.1	< 0.05	15.85	0.10	< 0.005	< 2	40	0.01	2.48	0.15	1.05
BC 11+00S 1+75E	201	202	-----	0.030	6950	< 0.1	< 0.05	18.80	0.05	< 0.005	< 2	280	0.04	2.64	0.35	1.10
BC 11+00S 2+00E	201	202	-----	0.008	1445	0.2	< 0.05	20.1	0.05	< 0.005	< 2	250	< 0.01	1.810	0.05	0.35
BC 11+00S 2+25E	201	202	-----	0.034	4600	0.1	< 0.05	8.55	0.05	< 0.005	< 2	< 10	0.01	1.505	0.05	0.70
BC 11+00S 2+50E	201	202	-----	0.026	2770	0.1	< 0.05	16.45	0.05	< 0.005	< 2	110	0.01	1.865	0.10	0.45

CERTIFICATION:

* 0.1M NH2OH.HCl IN 0.04M HNO3. 1g/20ml FOR 2 HOURS @ ROOM TEMPERATURE.

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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To: BORONOWSKI, ALEX

3741 ST. ANDREWS AVE.
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Project : BLACKDOME
Comments: ATTN: ALEX BORONOWSKI CC: CHRIS SEBERT

Page Number : 1-B
Total Pages : 3
Certificate Date: 28-AUG-2000
Invoice No. : I0024480
P.O. Number :
Account : CDB

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A0024480

SAMPLE	PREP CODE		Cs ppm ICP-MS	Cu ppm ICP-MS	Dy ppm ICP-MS	Er ppm ICP-MS	Eu ppm ICP-MS	Fe ppm ICP-MS	Gd ppm ICP-MS	Hg ppm ICP-MS	Ho ppm ICP-MS	I ppm ICP-MS	K ppm ICP-MS	Li ppm ICP-MS	Lu ppm ICP-MS	Mg ppm ICP-MS
BC 10+00S 0+00E	201	202	0.015	0.50	0.140	0.060	0.035	380	0.170	< 0.1	0.025	0.6	90	0.15	0.005	25
BC 10+00S 0+25E	201	202	0.015	0.55	0.130	0.055	0.030	375	0.165	< 0.1	0.025	1.0	55	0.15	0.005	17
BC 10+00S 0+50E	201	202	0.015	0.35	0.185	0.075	0.045	160	0.250	< 0.1	0.035	0.4	20	< 0.05	0.005	16
BC 10+00S 0+75E	201	202	0.005	0.45	0.105	0.050	0.030	480	0.135	< 0.1	0.020	1.0	55	< 0.05	0.005	19
BC 10+00S 1+00E	201	202	0.010	0.65	0.085	0.035	0.020	340	0.100	< 0.1	0.015	0.5	30	0.25	< 0.005	36
BC 10+00S 1+25E	201	202	0.005	0.45	0.110	0.045	0.025	180	0.130	< 0.1	0.015	0.6	25	0.05	< 0.005	8
BC 10+00S 1+50E	201	202	0.005	0.35	0.165	0.075	0.045	165	0.215	< 0.1	0.030	1.1	40	0.05	0.005	14
BC 10+00S 1+75E	201	202	0.005	0.40	0.140	0.060	0.035	100	0.185	< 0.1	0.025	0.7	35	< 0.05	0.005	18
BC 10+00S 2+00E	201	202	0.005	0.40	0.160	0.075	0.040	100	0.230	< 0.1	0.030	0.4	60	0.05	0.005	31
BC 10+00S 2+25E	201	202	0.005	0.50	0.180	0.065	0.040	195	0.225	< 0.1	0.030	0.5	45	0.05	0.005	8
BC 10+00S 2+50E	201	202	0.005	0.45	0.075	0.035	0.020	225	0.090	< 0.1	0.010	0.5	20	< 0.05	< 0.005	10
BC 10+00S 2+75E	201	202	0.005	0.75	0.165	0.070	0.045	190	0.220	< 0.1	0.030	1.2	100	0.15	0.005	22
BC 10+00S 3+00E	201	202	0.005	0.45	0.140	0.060	0.040	95	0.180	< 0.1	0.025	0.5	15	< 0.05	0.005	6
BC 10+00S 3+25E	201	202	0.015	0.45	0.105	0.050	0.030	120	0.160	< 0.1	0.020	0.3	25	< 0.05	< 0.005	12
BC 10+00S 3+50E	201	202	0.010	0.45	0.060	0.025	0.015	150	0.075	< 0.1	0.010	0.4	125	0.10	< 0.005	45
BC 10+50S 0+00E	201	202	0.195	0.35	0.130	0.065	0.030	405	0.170	< 0.1	0.025	1.1	105	0.30	0.005	9
BC 10+50S 0+25E	201	202	0.015	0.45	0.120	0.060	0.030	355	0.160	< 0.1	0.025	0.7	110	0.35	0.005	17
BC 10+50S 0+50E	201	202	0.010	0.40	0.160	0.065	0.040	230	0.205	< 0.1	0.030	0.8	40	0.15	0.005	19
BC 10+50S 0+75E	201	202	0.005	0.65	0.065	0.025	0.020	560	0.080	< 0.1	0.010	0.7	50	0.05	< 0.005	26
BC 10+50S 1+00E	201	202	0.010	0.45	0.100	0.045	0.025	220	0.125	< 0.1	0.020	0.8	85	0.05	< 0.005	17
BC 10+50S 1+25E	201	202	0.005	0.45	0.235	0.100	0.060	190	0.355	< 0.1	0.040	0.2	45	< 0.05	0.005	38
BC 10+50S 1+50E	201	202	0.010	0.55	0.155	0.065	0.040	175	0.170	< 0.1	0.025	0.8	50	< 0.05	0.005	17
BC 10+50S 1+75E	201	202	0.010	0.50	0.100	0.045	0.030	255	0.140	< 0.1	0.020	0.8	40	0.05	0.005	14
BC 10+50S 2+00E	201	202	0.025	0.50	0.200	0.090	0.050	130	0.260	< 0.1	0.035	0.9	40	0.05	0.005	8
BC 10+50S 2+25E	201	202	0.015	0.45	0.110	0.055	0.025	165	0.155	< 0.1	0.020	0.6	90	0.05	< 0.005	17
BC 10+50S 2+50E	201	202	0.010	0.55	0.095	0.045	0.020	130	0.115	< 0.1	0.015	0.4	65	< 0.05	< 0.005	26
BC 10+50S 2+75E	201	202	0.005	0.45	0.135	0.060	0.035	120	0.180	< 0.1	0.025	0.4	40	0.05	0.005	18
BC 10+50S 3+00E	201	202	0.005	0.40	0.140	0.065	0.045	115	0.200	< 0.1	0.025	0.5	35	0.05	< 0.005	11
BC 10+50S 3+25E	201	202	0.010	0.55	0.075	0.035	0.020	165	0.100	< 0.1	0.015	0.6	25	0.05	< 0.005	11
BC 11+00S 0+00E	201	202	0.025	0.50	0.100	0.045	0.025	320	0.125	< 0.1	0.020	0.7	25	< 0.05	< 0.005	23
BC 11+00S 0+25E	201	202	0.020	0.50	0.195	0.090	0.050	155	0.240	< 0.1	0.030	0.6	60	< 0.05	0.005	15
BC 11+00S 0+50E	201	202	0.005	0.35	0.125	0.055	0.035	125	0.170	< 0.1	0.025	0.6	110	0.05	0.005	17
BC 11+00S 0+75E	201	202	0.015	0.70	0.140	0.070	0.035	280	0.200	< 0.1	0.030	0.5	45	< 0.05	0.005	16
BC 11+00S 1+00E	201	202	0.005	0.55	0.130	0.055	0.035	255	0.160	< 0.1	0.025	1.0	135	0.05	0.005	16
BC 11+00S 1+25E	201	202	0.005	0.40	0.190	0.090	0.040	165	0.255	< 0.1	0.030	0.7	25	< 0.05	0.010	9
BC 11+00S 1+50E	201	202	0.020	0.50	0.175	0.085	0.050	210	0.265	< 0.1	0.035	0.8	25	< 0.05	0.010	6
BC 11+00S 1+75E	201	202	0.015	0.75	0.195	0.085	0.040	305	0.245	< 0.1	0.035	0.7	60	0.10	0.005	15
BC 11+00S 2+00E	201	202	0.020	0.45	0.135	0.060	0.035	150	0.205	< 0.1	0.025	0.1	20	< 0.05	0.005	14
BC 11+00S 2+25E	201	202	0.010	0.50	0.120	0.050	0.020	190	0.155	< 0.1	0.020	0.6	15	0.10	0.005	8
BC 11+00S 2+50E	201	202	0.005	0.30	0.155	0.065	0.040	95	0.210	< 0.1	0.030	0.4	20	0.05	0.005	12

CERTIFICATION:

* 0.1M NH2OH.HCl IN 0.04M HNO3. 1g/20ml FOR 2 HOURS @ ROOM TEMPERATURE.

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To: BORONOWSKI, ALEX

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CERTIFICATE OF ANALYSIS A0024480

SAMPLE	PREP CODE		Mn ppm ICP-MS	Mo ppm ICP-MS	Na ppm ICP-MS	Nb ppm ICP-MS	Nd ppm ICP-MS	Ni ppm ICP-MS	P ppm ICP-MS	Pb ppm ICP-MS	Pr ppm ICP-MS	Rb ppm ICP-MS	Sb ppm ICP-MS	Se ppm ICP-MS	Sm ppm ICP-MS	Sn ppm ICP-MS
BC 10+00S 0+00E	201	202	89.1	< 0.01	10	0.01	0.730	0.25	70	1.8	0.190	0.44	< 0.005	< 0.5	0.160	< 0.05
BC 10+00S 0+25E	201	202	30.8	< 0.01	10	0.01	0.770	0.30	155	2.1	0.205	0.40	0.005	< 0.5	0.175	< 0.05
BC 10+00S 0+50E	201	202	3.9	< 0.01	10	< 0.01	1.235	0.10	45	0.7	0.305	0.33	< 0.005	< 0.5	0.250	< 0.05
BC 10+00S 0+75E	201	202	8.9	< 0.01	< 10	0.02	0.590	0.60	210	1.0	0.145	0.31	0.005	< 0.5	0.125	< 0.05
BC 10+00S 1+00E	201	202	26.9	< 0.01	10	0.01	0.470	0.40	45	1.1	0.115	0.28	0.005	< 0.5	0.095	< 0.05
BC 10+00S 1+25E	201	202	1.6	< 0.01	< 10	0.01	0.560	0.25	95	1.0	0.145	0.33	< 0.005	< 0.5	0.125	< 0.05
BC 10+00S 1+50E	201	202	16.7	< 0.01	< 10	0.01	0.950	0.25	80	0.7	0.250	0.28	< 0.005	< 0.5	0.205	< 0.05
BC 10+00S 1+75E	201	202	25.5	< 0.01	10	< 0.01	0.910	0.25	60	0.9	0.230	0.33	< 0.005	< 0.5	0.180	< 0.05
BC 10+00S 2+00E	201	202	9.9	< 0.01	10	< 0.01	1.100	0.15	90	0.8	0.285	0.43	< 0.005	< 0.5	0.215	< 0.05
BC 10+00S 2+25E	201	202	8.5	< 0.01	10	0.01	1.230	0.20	65	1.5	0.320	0.16	< 0.005	< 0.5	0.235	< 0.05
BC 10+00S 2+50E	201	202	1.8	< 0.01	< 10	0.01	0.365	0.15	140	0.7	0.090	0.24	< 0.005	< 0.5	0.080	< 0.05
BC 10+00S 2+75E	201	202	13.5	< 0.01	< 10	0.01	1.025	0.35	65	0.9	0.275	0.45	< 0.005	< 0.5	0.210	< 0.05
BC 10+00S 3+00E	201	202	1.7	< 0.01	10	< 0.01	0.930	0.05	40	0.6	0.240	0.23	< 0.005	< 0.5	0.195	< 0.05
BC 10+00S 3+25E	201	202	2.5	< 0.01	10	< 0.01	0.740	< 0.05	55	0.8	0.195	0.32	< 0.005	< 0.5	0.165	< 0.05
BC 10+00S 3+50E	201	202	10.9	< 0.01	< 10	< 0.01	0.380	0.20	60	0.8	0.100	0.37	< 0.005	< 0.5	0.080	< 0.05
BC 10+50S 0+00E	201	202	2.6	0.01	10	0.01	0.730	0.25	100	0.6	0.185	0.32	< 0.005	< 0.5	0.165	< 0.05
BC 10+50S 0+25E	201	202	25.0	< 0.01	10	0.01	0.770	0.20	70	0.9	0.195	0.41	< 0.005	< 0.5	0.150	< 0.05
BC 10+50S 0+50E	201	202	19.5	< 0.01	< 10	0.01	0.935	0.45	290	0.7	0.235	0.29	0.005	< 0.5	0.200	< 0.05
BC 10+50S 0+75E	201	202	12.4	< 0.01	10	0.03	0.415	0.35	160	0.7	0.105	0.28	< 0.005	< 0.5	0.085	< 0.05
BC 10+50S 1+00E	201	202	24.4	< 0.01	< 10	0.01	0.575	0.30	150	0.9	0.155	0.36	0.005	< 0.5	0.120	< 0.05
BC 10+50S 1+25E	201	202	13.7	< 0.01	10	< 0.01	1.715	0.15	45	0.7	0.450	0.35	< 0.005	< 0.5	0.320	< 0.05
BC 10+50S 1+50E	201	202	27.0	< 0.01	< 10	0.01	0.885	0.35	65	1.4	0.230	0.40	< 0.005	< 0.5	0.185	< 0.05
BC 10+50S 1+75E	201	202	1.6	< 0.01	10	0.01	0.665	0.25	90	1.1	0.175	0.29	< 0.005	< 0.5	0.130	< 0.05
BC 10+50S 2+00E	201	202	3.4	< 0.01	< 10	0.01	1.230	0.20	115	0.7	0.315	0.31	< 0.005	< 0.5	0.255	< 0.05
BC 10+50S 2+25E	201	202	7.2	< 0.01	< 10	< 0.01	0.665	0.25	115	0.7	0.165	0.47	< 0.005	< 0.5	0.140	< 0.05
BC 10+50S 2+50E	201	202	3.4	< 0.01	< 10	< 0.01	0.515	0.15	35	1.1	0.130	0.42	< 0.005	< 0.5	0.105	< 0.05
BC 10+50S 2+75E	201	202	12.3	< 0.01	10	< 0.01	0.940	0.15	95	0.7	0.245	0.35	< 0.005	< 0.5	0.185	< 0.05
BC 10+50S 3+00E	201	202	1.0	< 0.01	< 10	< 0.01	1.005	0.15	80	0.6	0.260	0.31	< 0.005	< 0.5	0.205	< 0.05
BC 10+50S 3+25E	201	202	40.9	< 0.01	10	< 0.01	0.480	0.25	65	0.9	0.130	0.27	< 0.005	< 0.5	0.100	< 0.05
BC 11+00S 0+00E	201	202	6.3	< 0.01	10	0.01	0.590	0.30	70	1.0	0.145	0.31	< 0.005	< 0.5	0.125	< 0.05
BC 11+00S 0+25E	201	202	11.0	< 0.01	< 10	< 0.01	1.145	0.05	115	1.0	0.280	0.28	< 0.005	< 0.5	0.245	< 0.05
BC 11+00S 0+50E	201	202	6.0	< 0.01	< 10	< 0.01	0.820	0.15	85	0.7	0.220	0.28	< 0.005	< 0.5	0.175	< 0.05
BC 11+00S 0+75E	201	202	21.7	< 0.01	10	< 0.01	0.930	0.20	40	1.2	0.235	0.37	< 0.005	< 0.5	0.190	< 0.05
BC 11+00S 1+00E	201	202	62.4	< 0.01	< 10	0.01	0.735	0.25	100	1.4	0.185	0.41	0.005	< 0.5	0.150	< 0.05
BC 11+00S 1+25E	201	202	6.2	< 0.01	< 10	< 0.01	1.045	0.05	145	1.2	0.265	0.28	< 0.005	< 0.5	0.240	< 0.05
BC 11+00S 1+50E	201	202	5.5	< 0.01	10	0.01	1.300	0.05	140	0.8	0.325	0.27	< 0.005	< 0.5	0.260	< 0.05
BC 11+00S 1+75E	201	202	22.4	< 0.01	10	0.01	1.140	0.40	135	0.7	0.315	0.27	< 0.005	< 0.5	0.220	< 0.05
BC 11+00S 2+00E	201	202	6.6	< 0.01	< 10	< 0.01	0.950	0.05	95	0.8	0.235	0.31	< 0.005	< 0.5	0.195	< 0.05
BC 11+00S 2+25E	201	202	1.1	< 0.01	< 10	< 0.01	0.735	0.15	95	0.7	0.190	0.23	< 0.005	< 0.5	0.150	< 0.05
BC 11+00S 2+50E	201	202	20.1	< 0.01	10	< 0.01	1.040	0.20	90	0.8	0.240	0.31	< 0.005	< 0.5	0.215	< 0.05

CERTIFICATION:

* 0.1M NH2OH.HCl IN 0.04M HNO3. 1g/20ml FOR 2 HOURS @ ROOM TEMPERATURE.

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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Page Number : 1-D
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Project : BLACKDOME
Comments: ATTN: ALEX BORONOWSKI CC: CHRIS SEBERT

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A0024480

SAMPLE	PREP CODE		Sr ppm ICP-MS	Tb ppm ICP-MS	Te ppm ICP-MS	Th ppm ICP-MS	Ti ppm ICP-MS	Tl ppm ICP-MS	Tm ppm ICP-MS	U ppm ICP-MS	V ppm ICP-MS	W ppm ICP-MS	Yb ppm ICP-MS	Zn ppm ICP-MS	Zr ppm ICP-MS	B ppm ICP-MS
BC 10+00S 0+00E	201	202	3.00	0.025	< 0.05	0.10	5	0.005	0.005	0.055	1.10	0.04	0.040	3.0	0.85	< 2
BC 10+00S 0+25E	201	202	2.75	0.025	< 0.05	0.13	5	< 0.005	0.005	0.040	1.05	< 0.01	0.045	9.2	1.20	< 2
BC 10+00S 0+50E	201	202	4.60	0.035	< 0.05	0.04	4	0.005	0.010	0.035	0.95	< 0.01	0.060	2.2	0.50	< 2
BC 10+00S 0+75E	201	202	3.85	0.020	< 0.05	0.15	6	< 0.005	0.005	0.045	1.10	< 0.01	0.035	6.4	1.90	< 2
BC 10+00S 1+00E	201	202	6.55	0.015	< 0.05	0.07	5	< 0.005	0.005	0.045	1.20	< 0.01	0.025	4.4	0.80	< 2
BC 10+00S 1+25E	201	202	1.70	0.020	< 0.05	0.09	4	< 0.005	0.005	0.030	0.60	< 0.01	0.040	3.2	0.65	< 2
BC 10+00S 1+50E	201	202	1.90	0.035	< 0.05	0.15	4	< 0.005	0.005	0.025	0.90	< 0.01	0.060	2.4	1.50	< 2
BC 10+00S 1+75E	201	202	3.20	0.025	< 0.05	0.08	4	< 0.005	0.005	0.035	0.75	< 0.01	0.045	2.8	0.85	< 2
BC 10+00S 2+00E	201	202	3.90	0.035	< 0.05	0.05	4	< 0.005	0.005	0.030	0.55	< 0.01	0.055	2.8	0.45	< 2
BC 10+00S 2+25E	201	202	1.20	0.030	< 0.05	0.08	8	< 0.005	0.005	0.050	1.00	< 0.01	0.055	1.0	1.10	< 2
BC 10+00S 2+50E	201	202	2.20	0.015	< 0.05	0.05	5	< 0.005	< 0.005	0.035	1.00	< 0.01	0.030	2.6	0.60	< 2
BC 10+00S 2+75E	201	202	2.55	0.035	< 0.05	0.11	5	< 0.005	0.005	0.035	1.00	< 0.01	0.050	2.8	1.50	< 2
BC 10+00S 3+00E	201	202	1.15	0.025	< 0.05	0.04	4	< 0.005	0.005	0.040	0.80	< 0.01	0.050	1.2	0.50	< 2
BC 10+00S 3+25E	201	202	1.70	0.020	< 0.05	0.03	3	< 0.005	0.005	0.030	0.65	< 0.01	0.040	2.0	0.35	< 2
BC 10+00S 3+50E	201	202	3.00	0.010	< 0.05	0.03	2	< 0.005	< 0.005	0.025	0.55	< 0.01	0.020	3.2	0.30	< 2
BC 10+50S 0+00E	201	202	2.15	0.025	< 0.05	0.14	5	< 0.005	0.005	0.045	1.75	< 0.01	0.045	4.8	1.25	< 2
BC 10+50S 0+25E	201	202	2.85	0.025	< 0.05	0.12	6	0.005	0.005	0.035	0.85	< 0.01	0.040	7.2	1.25	< 2
BC 10+50S 0+50E	201	202	2.95	0.030	< 0.05	0.15	6	< 0.005	0.005	0.025	0.80	< 0.01	0.055	3.0	1.25	< 2
BC 10+50S 0+75E	201	202	4.20	0.015	< 0.05	0.10	8	< 0.005	< 0.005	0.040	1.20	< 0.01	0.025	4.2	1.30	< 2
BC 10+50S 1+00E	201	202	1.80	0.020	< 0.05	0.09	4	0.005	0.005	0.025	1.00	< 0.01	0.035	4.8	0.90	< 2
BC 10+50S 1+25E	201	202	6.00	0.050	< 0.05	0.03	3	< 0.005	0.015	0.050	0.80	< 0.01	0.070	2.0	0.35	< 2
BC 10+50S 1+50E	201	202	1.65	0.025	< 0.05	0.11	3	< 0.005	0.005	0.030	0.60	< 0.01	0.040	5.4	0.75	< 2
BC 10+50S 1+75E	201	202	2.55	0.020	< 0.05	0.07	5	< 0.005	0.005	0.030	1.15	< 0.01	0.025	0.6	0.95	< 2
BC 10+50S 2+00E	201	202	1.70	0.035	< 0.05	0.08	4	< 0.005	0.010	0.040	1.00	< 0.01	0.065	0.2	1.00	< 2
BC 10+50S 2+25E	201	202	2.05	0.025	< 0.05	0.07	4	< 0.005	0.005	0.025	0.80	< 0.01	0.035	0.6	0.55	< 2
BC 10+50S 2+50E	201	202	3.15	0.015	< 0.05	0.03	3	< 0.005	< 0.005	0.030	0.90	< 0.01	0.030	4.0	0.40	< 2
BC 10+50S 2+75E	201	202	2.05	0.025	< 0.05	0.03	4	< 0.005	0.005	0.030	0.60	0.03	0.040	3.8	0.35	< 2
BC 10+50S 3+00E	201	202	1.65	0.030	< 0.05	0.04	4	< 0.005	0.005	0.030	0.85	< 0.01	0.035	4.0	0.50	< 2
BC 10+50S 3+25E	201	202	1.70	0.015	< 0.05	0.03	4	< 0.005	< 0.005	0.025	0.85	< 0.01	0.020	2.6	0.50	< 2
BC 11+00S 0+00E	201	202	3.20	0.020	< 0.05	0.11	4	< 0.005	0.005	0.035	0.80	< 0.01	0.035	7.2	0.90	< 2
BC 11+00S 0+25E	201	202	2.30	0.035	< 0.05	0.10	5	< 0.005	0.005	0.040	0.70	< 0.01	0.065	2.0	0.75	< 2
BC 11+00S 0+50E	201	202	2.25	0.025	< 0.05	0.06	6	< 0.005	0.005	0.035	0.60	< 0.01	0.040	4.2	0.55	< 2
BC 11+00S 0+75E	201	202	2.30	0.030	< 0.05	0.09	4	< 0.005	0.005	0.065	0.90	< 0.01	0.055	3.6	1.05	< 2
BC 11+00S 1+00E	201	202	1.75	0.025	< 0.05	0.12	4	0.005	0.005	0.045	0.85	< 0.01	0.040	5.6	1.20	< 2
BC 11+00S 1+25E	201	202	1.50	0.035	< 0.05	0.08	4	< 0.005	0.010	0.040	1.00	< 0.01	0.070	3.0	0.65	< 2
BC 11+00S 1+50E	201	202	1.15	0.035	< 0.05	0.14	6	0.005	0.010	0.045	0.95	< 0.01	0.065	4.0	1.25	< 2
BC 11+00S 1+75E	201	202	2.90	0.035	< 0.05	0.10	7	< 0.005	0.010	0.035	1.30	< 0.01	0.055	8.2	1.25	< 2
BC 11+00S 2+00E	201	202	2.30	0.025	< 0.05	0.01	4	< 0.005	0.005	0.035	0.60	< 0.01	0.045	1.0	0.20	< 2
BC 11+00S 2+25E	201	202	1.40	0.025	< 0.05	0.06	4	< 0.005	0.005	0.045	0.90	< 0.01	0.045	3.8	0.80	< 2
BC 11+00S 2+50E	201	202	1.65	0.030	< 0.05	0.02	4	< 0.005	0.005	0.035	0.55	< 0.01	0.055	2.8	0.30	< 2

* 0.1M NH2OH.HCl IN 0.04M HNO3. 1g/20ml FOR 2 HOURS @ ROOM TEMPERATURE.

CERTIFICATION:

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Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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To: BORONOWSKI, ALEX

3741 ST. ANDREWS AVE.
VANCOUVER, BC
V7N 2A6

Project : BLACKDOME
Comments: ATTN: ALEX BORONOWSKI CC: CHRIS SEBERT

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* PLEASE NOTE

CERTIFICATE OF ANALYSIS A0024480

SAMPLE	PREP CODE		Ga ppm ICP-MS	Ge ppm ICP-MS	Hf ppm ICP-MS	In ppm ICP-MS	La ppm ICP-MS	Re ppm ICP-MS	Ta ppm ICP-MS	Y ppm ICP-MS	Leach pH
BC 10+00S 0+00E	201	202	0.30	< 0.1	0.03	< 0.005	0.750	< 0.001	< 0.01	0.535	1.4
BC 10+00S 0+25E	201	202	0.25	< 0.1	0.05	< 0.005	0.885	< 0.001	< 0.01	0.590	1.4
BC 10+00S 0+50E	201	202	0.30	< 0.1	0.02	< 0.005	1.075	< 0.001	< 0.01	0.785	1.4
BC 10+00S 0+75E	201	202	0.30	< 0.1	0.07	< 0.005	0.610	< 0.001	< 0.01	0.410	1.4
BC 10+00S 1+00E	201	202	0.40	< 0.1	0.03	< 0.005	0.460	< 0.001	< 0.01	0.355	1.4
BC 10+00S 1+25E	201	202	0.20	< 0.1	0.03	< 0.005	0.620	< 0.001	< 0.01	0.405	1.3
BC 10+00S 1+50E	201	202	0.15	< 0.1	0.07	< 0.005	1.060	< 0.001	< 0.01	0.650	1.5
BC 10+00S 1+75E	201	202	0.20	< 0.1	0.04	< 0.005	0.950	< 0.001	< 0.01	0.575	1.4
BC 10+00S 2+00E	201	202	0.25	< 0.1	0.02	< 0.005	1.390	< 0.001	< 0.01	0.695	1.3
BC 10+00S 2+25E	201	202	0.25	< 0.1	0.05	< 0.005	1.250	< 0.001	< 0.01	0.645	1.3
BC 10+00S 2+50E	201	202	0.30	< 0.1	0.02	< 0.005	0.360	< 0.001	< 0.01	0.275	1.3
BC 10+00S 2+75E	201	202	0.25	< 0.1	0.06	< 0.005	1.185	< 0.001	< 0.01	0.670	1.4
BC 10+00S 3+00E	201	202	0.30	< 0.1	0.01	< 0.005	0.845	< 0.001	< 0.01	0.515	1.3
BC 10+00S 3+25E	201	202	0.30	< 0.1	0.01	< 0.005	0.675	< 0.001	< 0.01	0.450	1.2
BC 10+00S 3+50E	201	202	0.25	< 0.1	0.01	< 0.005	0.445	< 0.001	< 0.01	0.230	1.2
BC 10+50S 0+00E	201	202	0.30	< 0.1	0.04	< 0.005	0.730	< 0.001	< 0.01	0.545	1.5
BC 10+50S 0+25E	201	202	0.30	< 0.1	0.05	< 0.005	0.830	< 0.001	< 0.01	0.525	1.4
BC 10+50S 0+50E	201	202	0.20	< 0.1	0.05	< 0.005	0.975	< 0.001	< 0.01	0.630	1.4
BC 10+50S 0+75E	201	202	0.35	< 0.1	0.06	< 0.005	0.500	< 0.001	< 0.01	0.275	1.3
BC 10+50S 1+00E	201	202	0.30	< 0.1	0.04	< 0.005	0.690	< 0.001	< 0.01	0.410	1.3
BC 10+50S 1+25E	201	202	0.25	< 0.1	0.01	< 0.005	1.720	< 0.001	< 0.01	0.955	1.5
BC 10+50S 1+50E	201	202	0.20	< 0.1	0.03	< 0.005	1.015	< 0.001	< 0.01	0.615	1.5
BC 10+50S 1+75E	201	202	0.35	< 0.1	0.03	< 0.005	0.860	< 0.001	< 0.01	0.415	1.5
BC 10+50S 2+00E	201	202	0.25	< 0.1	0.04	< 0.005	1.290	< 0.001	< 0.01	0.795	1.5
BC 10+50S 2+25E	201	202	0.20	< 0.1	0.02	< 0.005	0.685	< 0.001	< 0.01	0.490	1.5
BC 10+50S 2+50E	201	202	0.35	< 0.1	0.01	< 0.005	0.495	< 0.001	< 0.01	0.350	1.5
BC 10+50S 2+75E	201	202	0.25	< 0.1	0.01	< 0.005	0.905	< 0.001	< 0.01	0.565	1.5
BC 10+50S 3+00E	201	202	0.35	< 0.1	0.02	< 0.005	1.060	< 0.001	< 0.01	0.550	1.5
BC 10+50S 3+25E	201	202	0.30	< 0.1	0.01	< 0.005	0.545	< 0.001	< 0.01	0.300	1.5
BC 11+00S 0+00E	201	202	0.25	< 0.1	0.04	< 0.005	0.625	< 0.001	< 0.01	0.425	1.5
BC 11+00S 0+25E	201	202	0.25	< 0.1	0.03	< 0.005	1.140	< 0.001	< 0.01	0.730	1.5
BC 11+00S 0+50E	201	202	0.25	< 0.1	0.03	< 0.005	0.795	< 0.001	< 0.01	0.490	1.5
BC 11+00S 0+75E	201	202	0.35	< 0.1	0.04	< 0.005	0.880	< 0.001	< 0.01	0.565	1.5
BC 11+00S 1+00E	201	202	0.25	< 0.1	0.05	< 0.005	0.780	< 0.001	< 0.01	0.480	1.5
BC 11+00S 1+25E	201	202	0.25	< 0.1	0.03	< 0.005	0.950	< 0.001	< 0.01	0.765	1.5
BC 11+00S 1+50E	201	202	0.25	< 0.1	0.05	< 0.005	1.120	< 0.001	< 0.01	0.785	1.5
BC 11+00S 1+75E	201	202	0.35	< 0.1	0.05	< 0.005	1.370	< 0.001	< 0.01	0.740	1.5
BC 11+00S 2+00E	201	202	0.15	< 0.1	< 0.01	< 0.005	0.985	< 0.001	< 0.01	0.590	1.5
BC 11+00S 2+25E	201	202	0.25	< 0.1	0.03	< 0.005	0.790	< 0.001	< 0.01	0.450	1.5
BC 11+00S 2+50E	201	202	0.20	< 0.1	0.01	< 0.005	0.830	< 0.001	< 0.01	0.575	1.5

* 0.1M NH2OH.HCl IN 0.04M HNO3, 1g/20ml FOR 2 HOURS @ ROOM TEMPERATURE.

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SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm ICP-MS	Al ppm ICP-MS	As ppm ICP-MS	Au ppm ICP-MS	Ba ppm ICP-MS	Be ppm ICP-MS	Bi ppm ICP-MS	Br ppm ICP-MS	Ca ppm ICP-MS	Cd ppm ICP-MS	Ce ppm ICP-MS	Co ppm ICP-MS	Cr ppm ICP-MS
BC 11+00S 2+75E	201	202	-----	0.014	2600	0.4	< 0.05	31.8	0.15	< 0.005	< 2	70	< 0.01	1.810	0.10	0.30
BC 11+00S 3+00E	201	202	-----	0.028	3050	0.1	< 0.05	21.3	0.05	< 0.005	< 2	130	< 0.01	1.845	0.35	0.55
PM 00+00N 0+50E	201	202	< 5	0.002	616	< 0.1	< 0.05	45.4	< 0.05	< 0.005	< 2	950	< 0.01	0.940	0.35	0.45
PM 00+00N 1+00E	201	202	< 5	0.016	604	< 0.1	< 0.05	32.7	0.05	< 0.005	< 2	900	0.01	0.875	1.00	0.40
PM 02+50N 0+50E	201	202	< 5	0.002	520	< 0.1	< 0.05	27.4	< 0.05	< 0.005	< 2	580	< 0.01	0.395	0.25	0.20
PM 03+00N 0+50E	201	202	< 5	0.002	468	< 0.1	< 0.05	27.6	< 0.05	< 0.005	< 2	560	< 0.01	0.450	0.35	0.25
PM 03+50N 0+50E	201	202	< 5	0.010	656	< 0.1	< 0.05	40.2	0.05	< 0.005	< 2	830	< 0.01	1.950	1.35	0.30
PM 04+00N 0+50E	201	202	< 5	0.002	556	< 0.1	< 0.05	54.3	< 0.05	< 0.005	< 2	990	0.01	1.130	0.60	0.30
PM 04+50N 0+50E	201	202	< 5	0.002	751	< 0.1	< 0.05	39.6	0.05	< 0.005	< 2	810	< 0.01	0.795	0.20	0.40
PM 00+00 0+00	201	202	< 5	0.002	716	< 0.1	< 0.05	51.2	0.05	< 0.005	< 2	890	< 0.01	1.290	1.15	0.35
PM 00+00N 0+50W	201	202	< 5	0.016	1075	< 0.1	< 0.05	39.7	0.05	< 0.005	< 2	1010	0.01	1.020	0.45	0.70
PM 00+00N 1+00W	201	202	< 5	0.006	582	< 0.1	< 0.05	25.5	0.05	< 0.005	< 2	1030	< 0.01	0.760	0.60	0.50
PM 00+50N 0+50W	201	202	25	< 0.002	780	< 0.1	< 0.05	68.8	0.05	< 0.005	< 2	710	< 0.01	1.485	0.50	0.50
PM 00+50N 1+00W	201	202	5	0.010	637	< 0.1	< 0.05	29.7	0.05	< 0.005	< 2	1030	< 0.01	2.54	1.40	0.70
PM 00+50N 1+50W	201	202	< 5	0.016	998	< 0.1	< 0.05	36.0	0.05	< 0.005	< 2	1150	0.01	1.190	0.45	0.75
PM 01+50 0+00W	201	202	< 5	0.004	926	< 0.1	< 0.05	37.1	0.05	< 0.005	< 2	1510	0.01	0.955	1.45	0.70
PM 01+50 0+50W	201	202	< 5	< 0.002	663	< 0.1	< 0.05	40.9	0.05	< 0.005	< 2	630	< 0.01	0.985	0.50	0.35
PM 01+50 1+00W	201	202	< 5	0.002	541	< 0.1	< 0.05	67.1	0.05	< 0.005	< 2	590	< 0.01	1.390	0.25	0.45
PM 01+50 1+50W	201	202	< 5	0.014	1440	0.1	< 0.05	98.1	0.05	< 0.005	< 2	1210	0.01	3.49	0.25	1.10
PM 01+00 0+50W	201	202	5	< 0.002	620	< 0.1	< 0.05	31.8	0.05	< 0.005	< 2	610	< 0.01	0.830	0.30	0.40
PM 01+00N 1+00W	201	202	< 10	0.008	1160	< 0.1	< 0.05	83.6	0.15	< 0.005	< 2	2740	0.02	3.18	3.05	0.30
PM 01+00N 1+50W	201	202	< 5	0.006	789	< 0.1	< 0.05	40.7	0.05	< 0.005	< 2	1290	0.01	1.800	0.60	0.75
PM 02+00N 0+00W	201	202	< 5	0.004	782	< 0.1	< 0.05	41.7	0.05	< 0.005	< 2	780	0.01	0.995	0.35	0.35
PM 02+00N 0+50W	201	202	< 5	0.004	1260	< 0.1	< 0.05	62.8	0.05	< 0.005	< 2	920	0.01	1.150	0.55	0.50
PM 02+00N 1+00W	201	202	< 5	0.004	1140	< 0.1	< 0.05	89.7	0.05	< 0.005	< 2	1040	0.01	2.24	0.25	0.55
PM 02+00N 1+50W	201	202	< 5	0.024	1930	< 0.1	< 0.05	52.3	0.10	< 0.005	< 2	1370	0.02	4.20	1.95	0.85
PM 02+50N 0+00W	201	202	< 5	< 0.002	448	< 0.1	< 0.05	32.8	< 0.05	< 0.005	< 2	690	< 0.01	1.025	0.75	0.25
PM 02+50N 0+50W	201	202	< 5	0.004	1475	< 0.1	< 0.05	52.4	0.05	< 0.005	< 2	720	< 0.01	1.320	0.20	0.60
PM 02+50N 1+00W	201	202	< 5	0.010	2290	< 0.1	< 0.05	84.0	0.05	< 0.005	< 2	670	< 0.01	2.20	0.25	0.75
PM 02+50N 1+50W	201	202	< 5	0.006	2060	< 0.1	< 0.05	91.7	0.05	< 0.005	< 2	980	0.01	1.905	0.40	0.85
PM 03+00N 0+00W	201	202	< 5	0.008	465	< 0.1	< 0.05	18.45	0.60	< 0.005	< 2	910	0.01	2.27	0.80	0.35
PM 03+00N 0+50W	201	202	< 5	0.006	2510	< 0.1	< 0.05	44.8	0.05	< 0.005	< 2	470	0.01	1.110	0.25	0.90
PM 03+00N 1+00W	201	202	< 5	0.002	1120	< 0.1	< 0.05	84.9	0.10	< 0.005	< 2	990	< 0.01	3.14	0.30	0.95
PM 03+00N 1+50W	201	202	< 5	0.002	878	< 0.1	< 0.05	44.6	0.05	< 0.005	< 2	610	< 0.01	0.815	0.15	0.35
PM 03+50N 0+00W	201	202	< 5	0.004	1090	< 0.1	< 0.05	65.0	< 0.05	< 0.005	< 2	900	0.01	1.000	0.30	0.75
PM 03+50N 0+50W	201	202	< 5	0.006	1705	< 0.1	< 0.05	93.3	0.05	< 0.005	< 2	640	< 0.01	1.300	0.25	0.90
PM 03+50N 1+00W	201	202	< 5	0.002	914	< 0.1	< 0.05	69.7	0.05	< 0.005	< 2	530	< 0.01	0.800	0.10	0.55
PM 03+50N 1+50W	201	202	< 5	0.002	843	< 0.1	< 0.05	41.4	0.05	< 0.005	< 2	1110	0.01	0.795	0.75	0.25
PM 04+00N 0+00W	201	202	25	0.006	1200	< 0.1	< 0.05	74.9	0.05	< 0.005	< 2	730	< 0.01	1.405	0.60	0.60
PM 04+00N 0+50W	201	202	< 5	0.006	1735	< 0.1	< 0.05	80.3	0.05	< 0.005	< 2	820	0.01	1.440	0.90	1.00

CERTIFICATION:

* 0.1M NH2OH.HCl IN 0.04M HNO3. 1g/20ml FOR 2 HOURS @ ROOM TEMPERATURE.

ALS Chemex
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Project : BLACKDOME
Comments: ATTN: ALEX BORONOWSKI CC: CHRIS SEBERT

Page Number : 2-B
Total Pages : 3
Certificate Date: 28-AUG-2000
Invoice No. : I0024480
P.O. Number :
Account : CDB

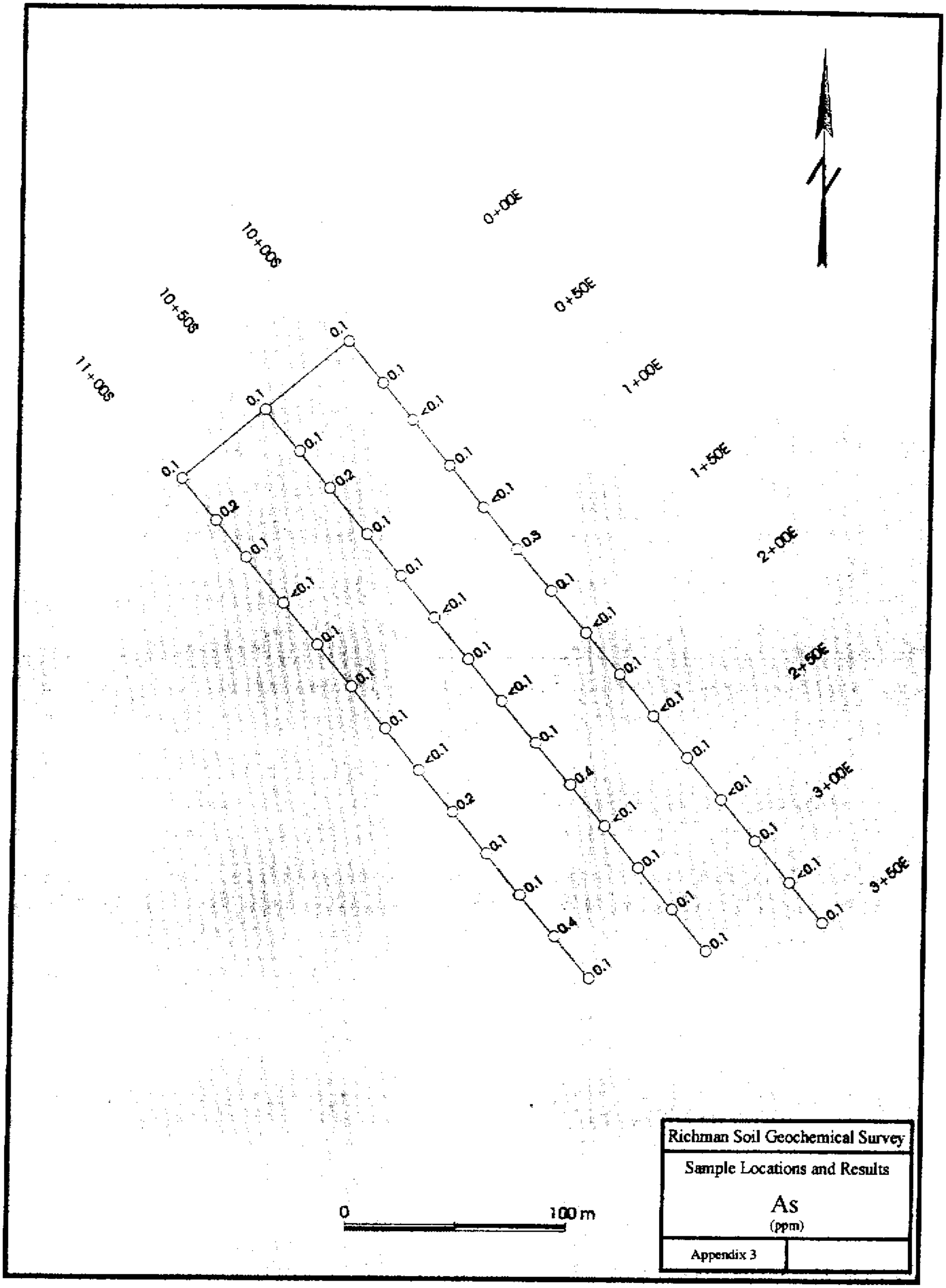
* PLEASE NOTE

CERTIFICATE OF ANALYSIS A0024480

SAMPLE	PREP CODE		Cs ppm ICP-MS	Cu ppm ICP-MS	Dy ppm ICP-MS	Er ppm ICP-MS	Eu ppm ICP-MS	Fe ppm ICP-MS	Gd ppm ICP-MS	Hg ppm ICP-MS	Ho ppm ICP-MS	I ppm ICP-MS	K ppm ICP-MS	Li ppm ICP-MS	Lu ppm ICP-MS	Mg ppm ICP-MS
BC 11+00S 2+75E	201	202	0.015	0.40	0.120	0.060	0.035	50	0.205	< 0.1	0.020	0.3	25	< 0.05	0.005	7
BC 11+00S 3+00E	201	202	0.015	0.55	0.130	0.055	0.040	130	0.180	< 0.1	0.025	0.4	50	0.05	0.005	18
PM 00+00N 0+50E	201	202	< 0.005	0.30	0.070	0.035	0.015	325	0.095	< 0.1	0.015	< 0.1	105	0.05	< 0.005	267
PM 00+00N 1+00E	201	202	< 0.005	0.30	0.075	0.035	0.015	385	0.115	< 0.1	0.015	< 0.1	55	< 0.05	0.005	240
PM 02+50N 0+50E	201	202	< 0.005	0.20	0.020	0.005	< 0.005	250	0.025	< 0.1	< 0.005	< 0.1	180	< 0.05	< 0.005	125
PM 03+00N 0+50E	201	202	< 0.005	0.20	0.035	0.015	< 0.005	240	0.040	< 0.1	0.005	< 0.1	110	< 0.05	< 0.005	177
PM 03+50N 0+50E	201	202	< 0.005	0.50	0.115	0.050	0.025	280	0.140	< 0.1	0.020	0.1	85	< 0.05	0.005	128
PM 04+00N 0+50E	201	202	< 0.005	0.40	0.060	0.030	0.020	250	0.080	< 0.1	0.015	< 0.1	85	< 0.05	< 0.005	144
PM 04+50N 0+50E	201	202	< 0.005	0.25	0.065	0.030	0.015	290	0.080	< 0.1	0.010	< 0.1	110	< 0.05	< 0.005	180
PM 00+00 0+00	201	202	< 0.005	0.25	0.085	0.035	0.020	320	0.100	< 0.1	0.015	< 0.1	130	< 0.05	< 0.005	174
PM 00+00N 0+50W	201	202	< 0.005	0.35	0.085	0.040	0.020	660	0.105	< 0.1	0.015	< 0.1	140	< 0.05	< 0.005	228
PM 00+00N 1+00W	201	202	< 0.005	0.30	0.065	0.030	0.015	380	0.085	< 0.1	0.010	< 0.1	130	0.05	< 0.005	211
PM 00+50N 0+50W	201	202	< 0.005	0.40	0.110	0.045	0.025	330	0.135	< 0.1	0.020	0.1	105	< 0.05	0.005	186
PM 00+50N 1+00W	201	202	< 0.005	0.40	0.165	0.070	0.040	490	0.200	< 0.1	0.025	< 0.1	125	0.10	0.005	316
PM 00+50N 1+50W	201	202	< 0.005	0.30	0.080	0.035	0.020	590	0.100	< 0.1	0.015	< 0.1	135	< 0.05	< 0.005	204
PM 01+50 0+00W	201	202	< 0.005	0.25	0.055	0.025	0.010	465	0.060	< 0.1	0.005	< 0.1	160	< 0.05	< 0.005	311
PM 01+50 0+50W	201	202	< 0.005	0.25	0.055	0.035	0.015	255	0.075	< 0.1	0.010	< 0.1	100	< 0.05	< 0.005	158
PM 01+50 1+00W	201	202	< 0.005	0.20	0.075	0.040	0.020	285	0.105	< 0.1	0.015	< 0.1	40	< 0.05	< 0.005	182
PM 01+50 1+50W	201	202	0.005	0.50	0.190	0.090	0.055	700	0.275	< 0.1	0.040	0.2	160	0.05	0.010	175
PM 01+00 0+50W	201	202	< 0.005	0.25	0.065	0.035	0.015	300	0.080	< 0.1	0.015	< 0.1	75	< 0.05	< 0.005	170
PM 01+00N 1+00W	201	202	< 0.005	0.60	0.275	0.130	0.065	320	0.325	< 0.1	0.050	< 0.1	210	0.30	0.015	664
PM 01+00N 1+50W	201	202	0.005	0.55	0.110	0.050	0.025	505	0.145	< 0.1	0.020	< 0.1	90	< 0.05	< 0.005	286
PM 02+00N 0+00W	201	202	< 0.005	0.35	0.060	0.030	0.010	360	0.070	< 0.1	0.010	< 0.1	140	< 0.05	< 0.005	156
PM 02+00N 0+50W	201	202	0.005	0.35	0.075	0.035	0.015	440	0.090	< 0.1	0.015	< 0.1	95	< 0.05	< 0.005	140
PM 02+00N 1+00W	201	202	0.005	0.35	0.120	0.065	0.035	440	0.170	< 0.1	0.025	< 0.1	125	0.10	0.005	152
PM 02+00N 1+50W	201	202	0.005	0.55	0.225	0.100	0.065	805	0.290	< 0.1	0.040	0.1	150	0.05	0.010	196
PM 02+50N 0+00W	201	202	< 0.005	0.20	0.055	0.020	0.010	230	0.065	< 0.1	0.010	< 0.1	95	< 0.05	< 0.005	154
PM 02+50N 0+50W	201	202	< 0.005	0.30	0.095	0.045	0.025	335	0.115	< 0.1	0.020	< 0.1	110	< 0.05	< 0.005	171
PM 02+50N 1+00W	201	202	0.005	0.45	0.150	0.080	0.035	405	0.175	< 0.1	0.025	0.2	95	< 0.05	0.005	118
PM 02+50N 1+50W	201	202	0.005	0.45	0.120	0.060	0.030	670	0.140	< 0.1	0.025	0.1	130	0.15	0.005	182
PM 03+00N 0+00W	201	202	< 0.005	0.35	0.215	0.130	0.025	285	0.220	< 0.1	0.045	< 0.1	80	0.20	0.020	202
PM 03+00N 0+50W	201	202	< 0.005	0.40	0.110	0.055	0.020	460	0.105	< 0.1	0.020	0.1	235	< 0.05	0.005	122
PM 03+00N 1+00W	201	202	0.005	0.50	0.150	0.070	0.040	645	0.215	< 0.1	0.030	0.1	95	< 0.05	0.005	227
PM 03+00N 1+50W	201	202	< 0.005	0.25	0.055	0.025	0.010	265	0.070	< 0.1	0.005	< 0.1	55	< 0.05	< 0.005	146
PM 03+50N 0+00W	201	202	< 0.005	0.35	0.090	0.035	0.020	515	0.100	< 0.1	0.015	0.1	185	< 0.05	< 0.005	152
PM 03+50N 0+50W	201	202	< 0.005	0.40	0.125	0.055	0.025	495	0.140	< 0.1	0.025	0.1	110	< 0.05	0.005	123
PM 03+50N 1+00W	201	202	< 0.005	0.25	0.065	0.040	0.015	370	0.075	< 0.1	0.010	0.1	55	< 0.05	< 0.005	126
PM 03+50N 1+50W	201	202	< 0.005	0.30	0.050	0.025	0.010	250	0.060	< 0.1	0.005	< 0.1	90	0.15	< 0.005	281
PM 04+00N 0+00W	201	202	< 0.005	0.40	0.105	0.055	0.020	390	0.140	< 0.1	0.020	0.1	250	< 0.05	0.005	124
PM 04+00N 0+50W	201	202	< 0.005	0.50	0.100	0.050	0.025	625	0.135	< 0.1	0.020	0.3	235	< 0.05	0.005	110

CERTIFICATION:

* 0.1M NH2OH.HCl IN 0.04M HNO3. 1g/20ml FOR 2 HOURS @ ROOM TEMPERATURE.

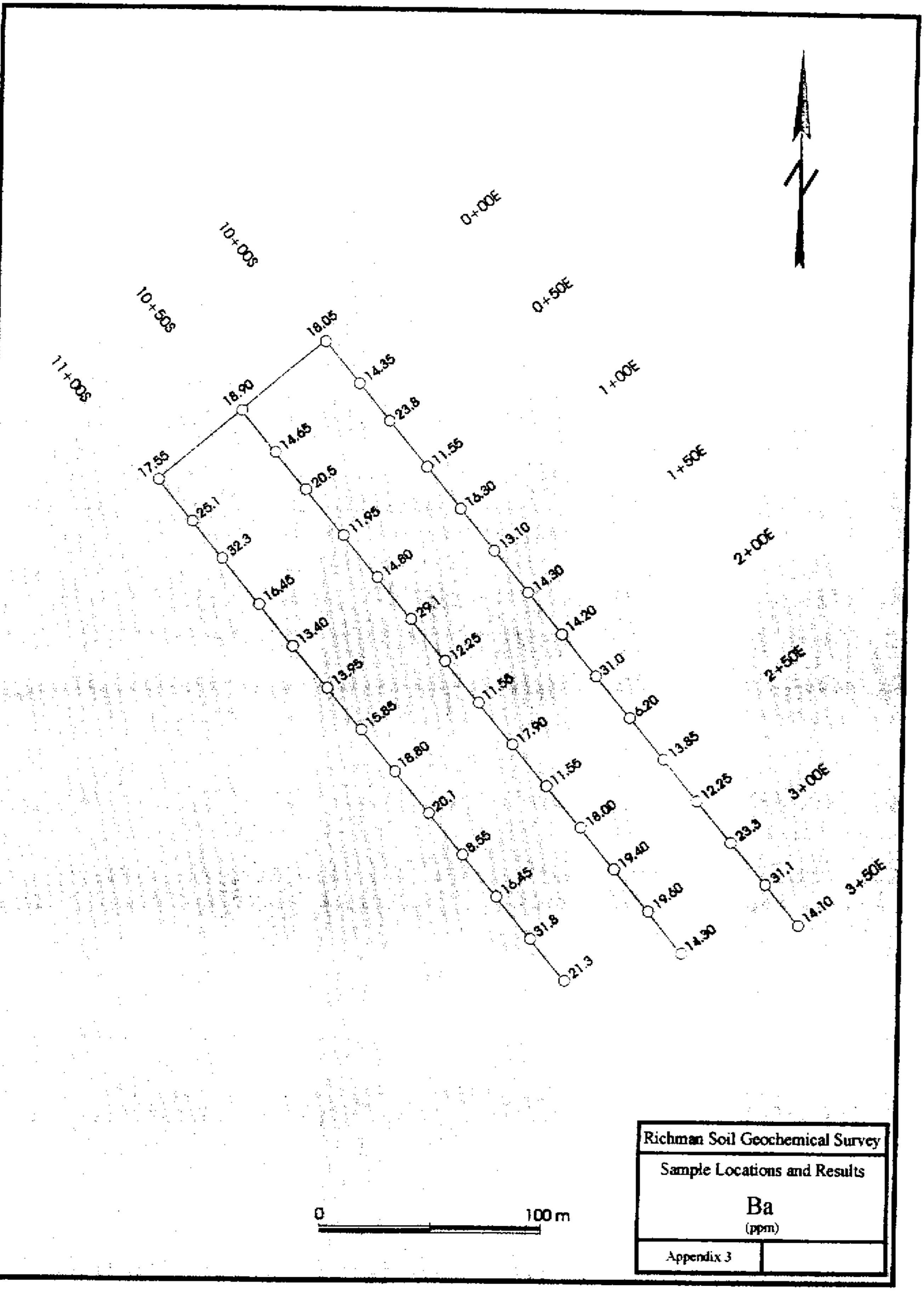


Richman Soil Geochemical Survey

Sample Locations and Results

As
(ppm)

Appendix 3



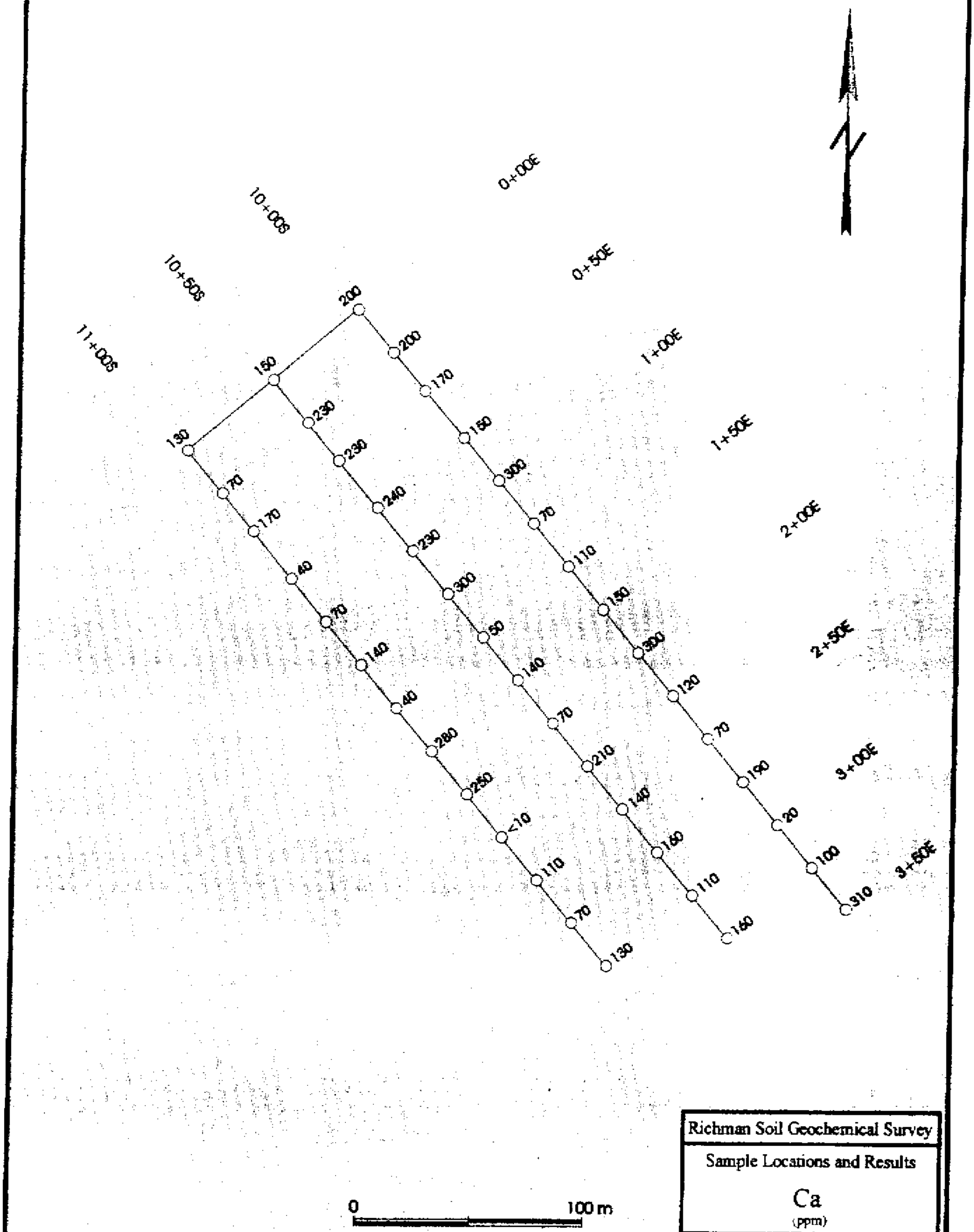
Richman Soil Geochemical Survey

Sample Locations and Results

Ba

(ppm)

Appendix 3

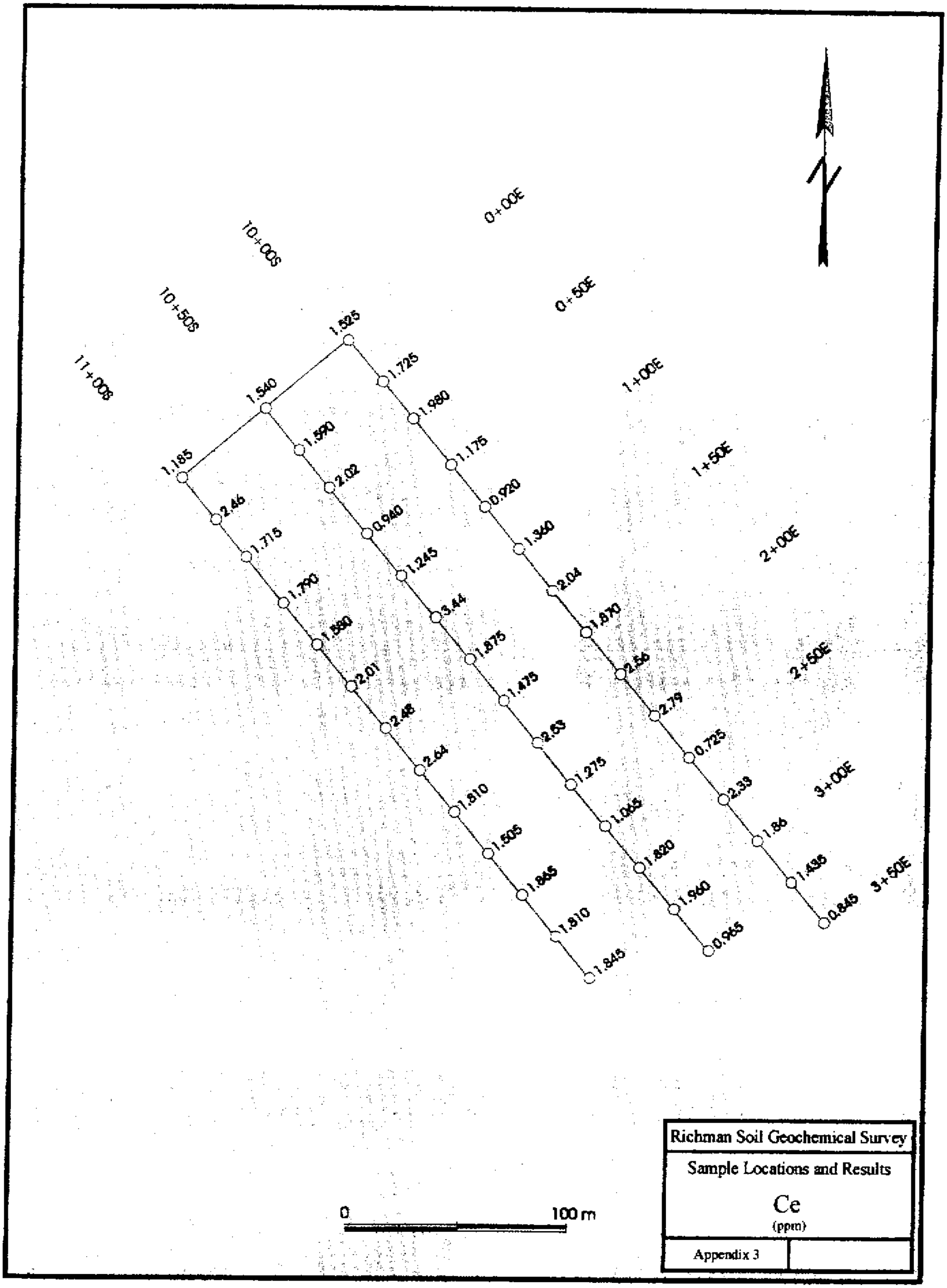


Richman Soil Geochemical Survey

Sample Locations and Results

Ca
(ppm)

Appendix 3

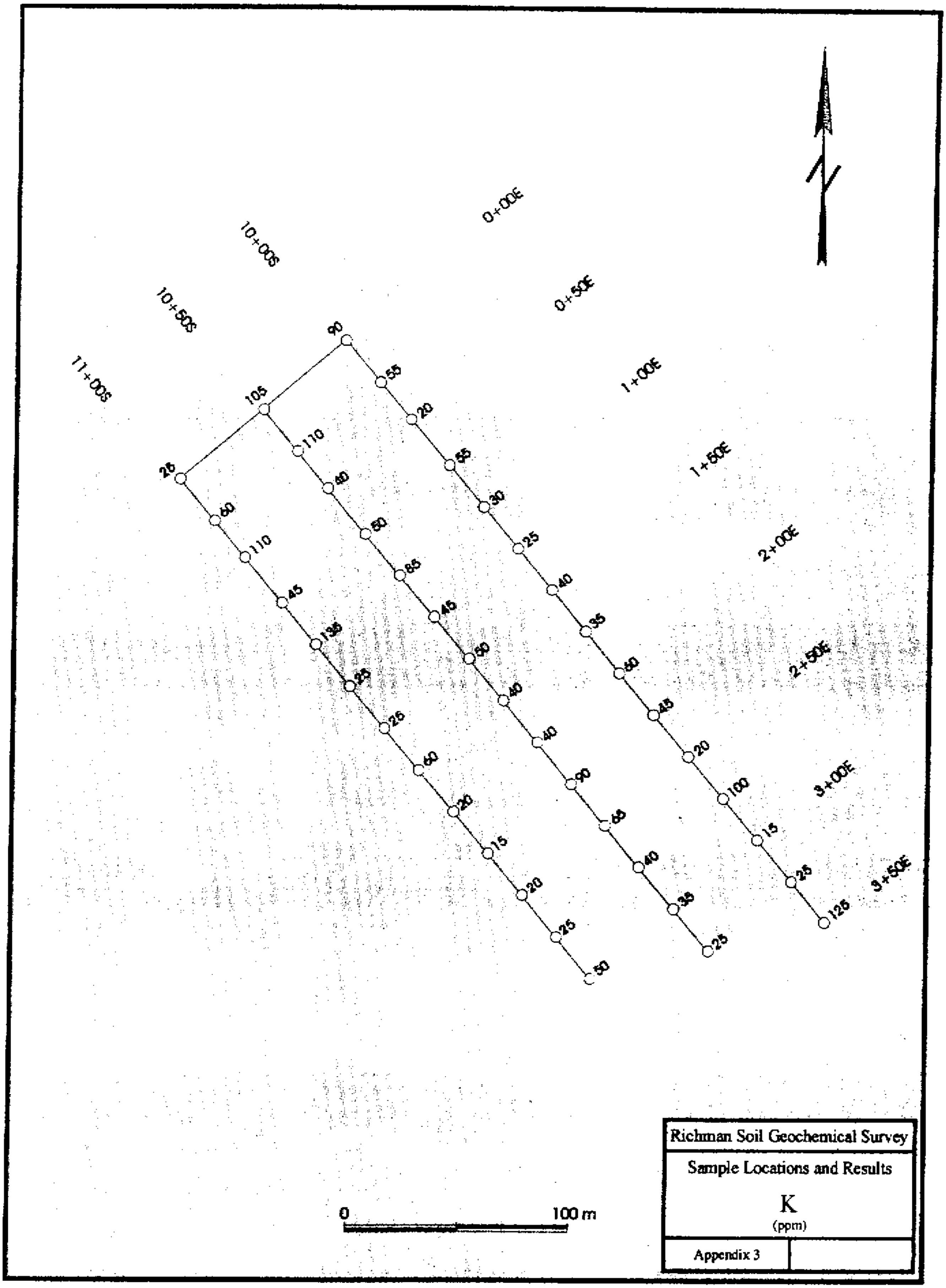


Richman Soil Geochemical Survey

Sample Locations and Results

Ce
(ppm)

Appendix 3

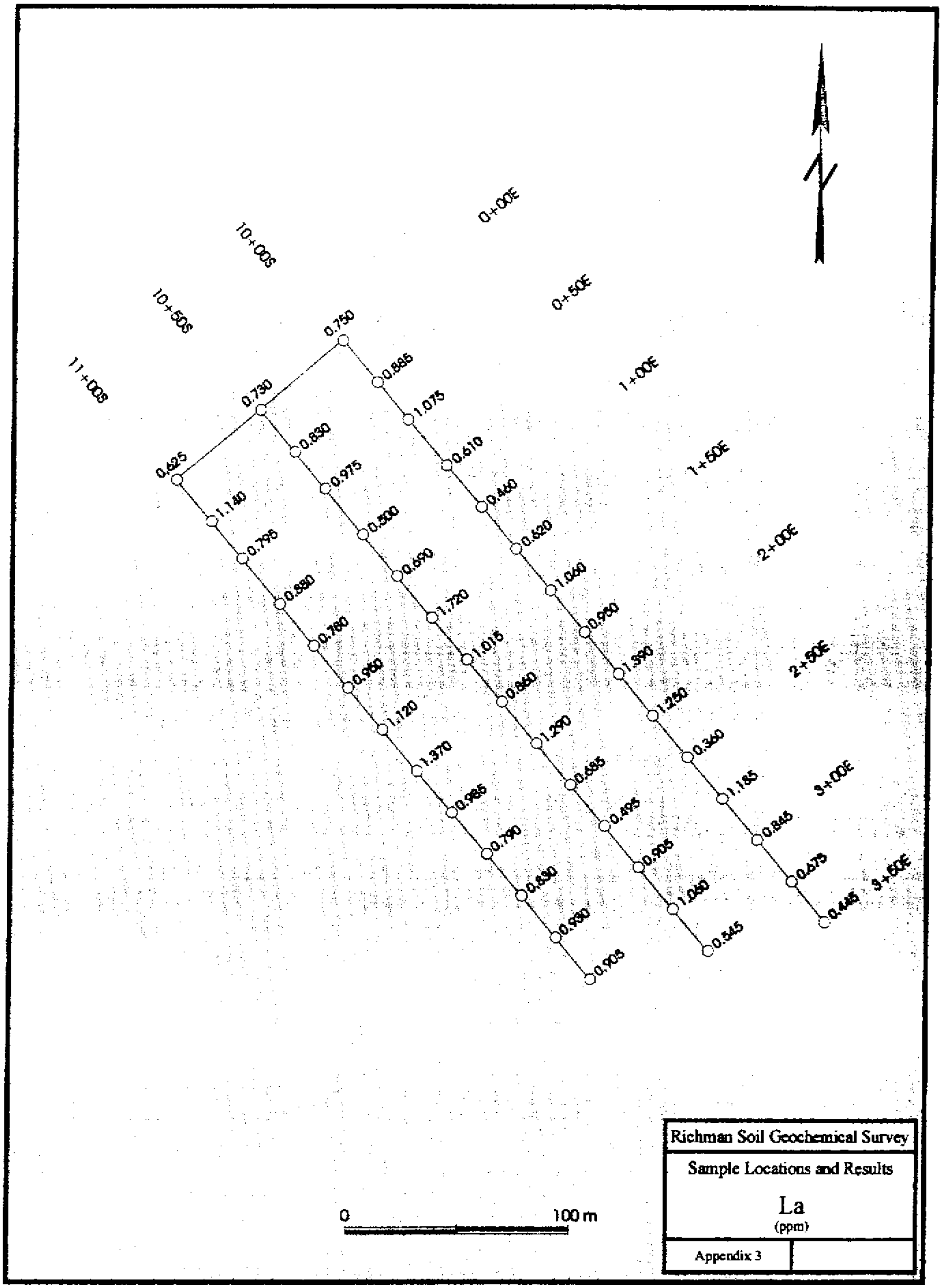


Richman Soil Geochemical Survey

Sample Locations and Results

K
(ppm)

Appendix 3

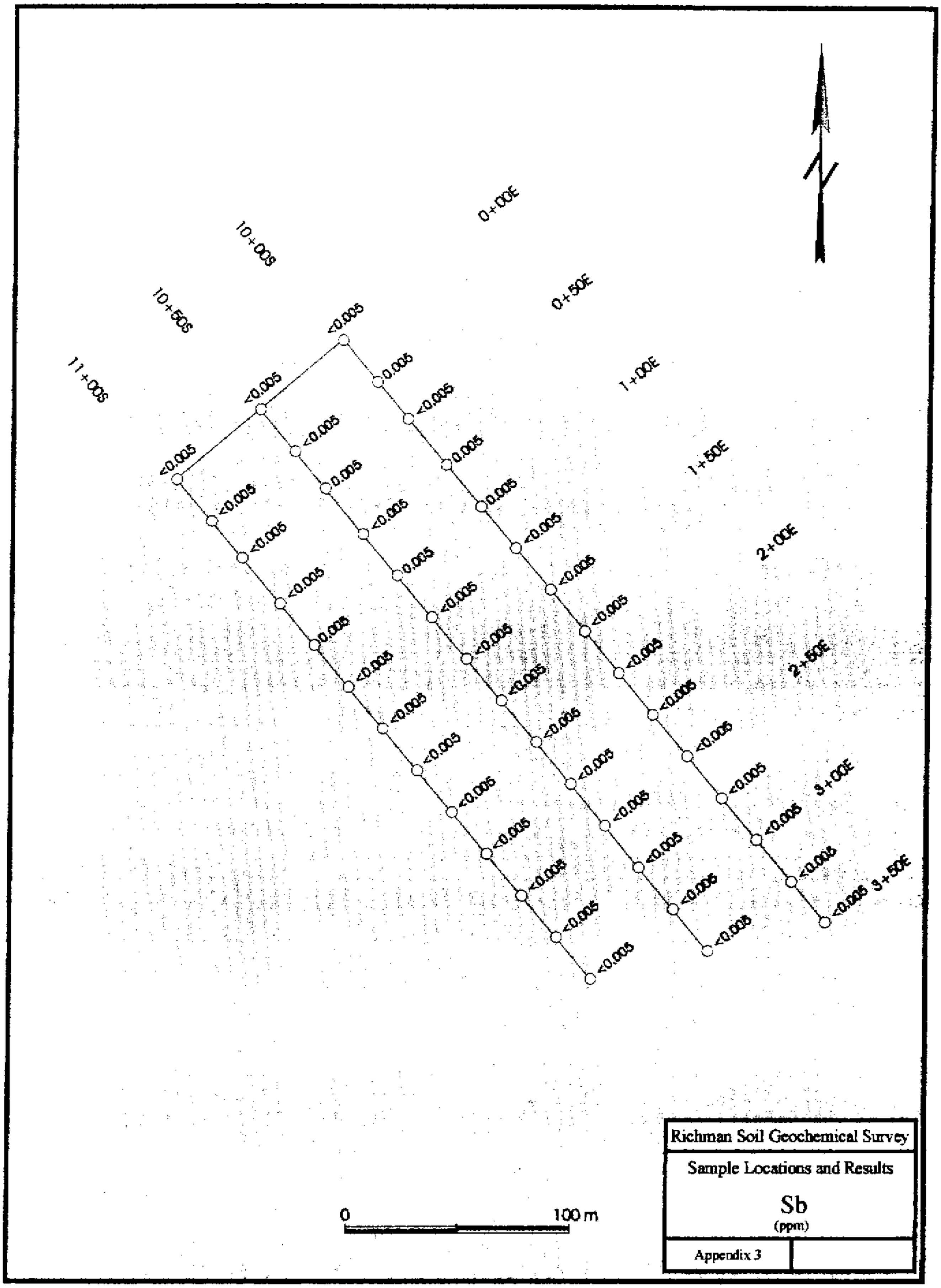


Richman Soil Geochemical Survey

Sample Locations and Results

La
(ppm)

Appendix 3

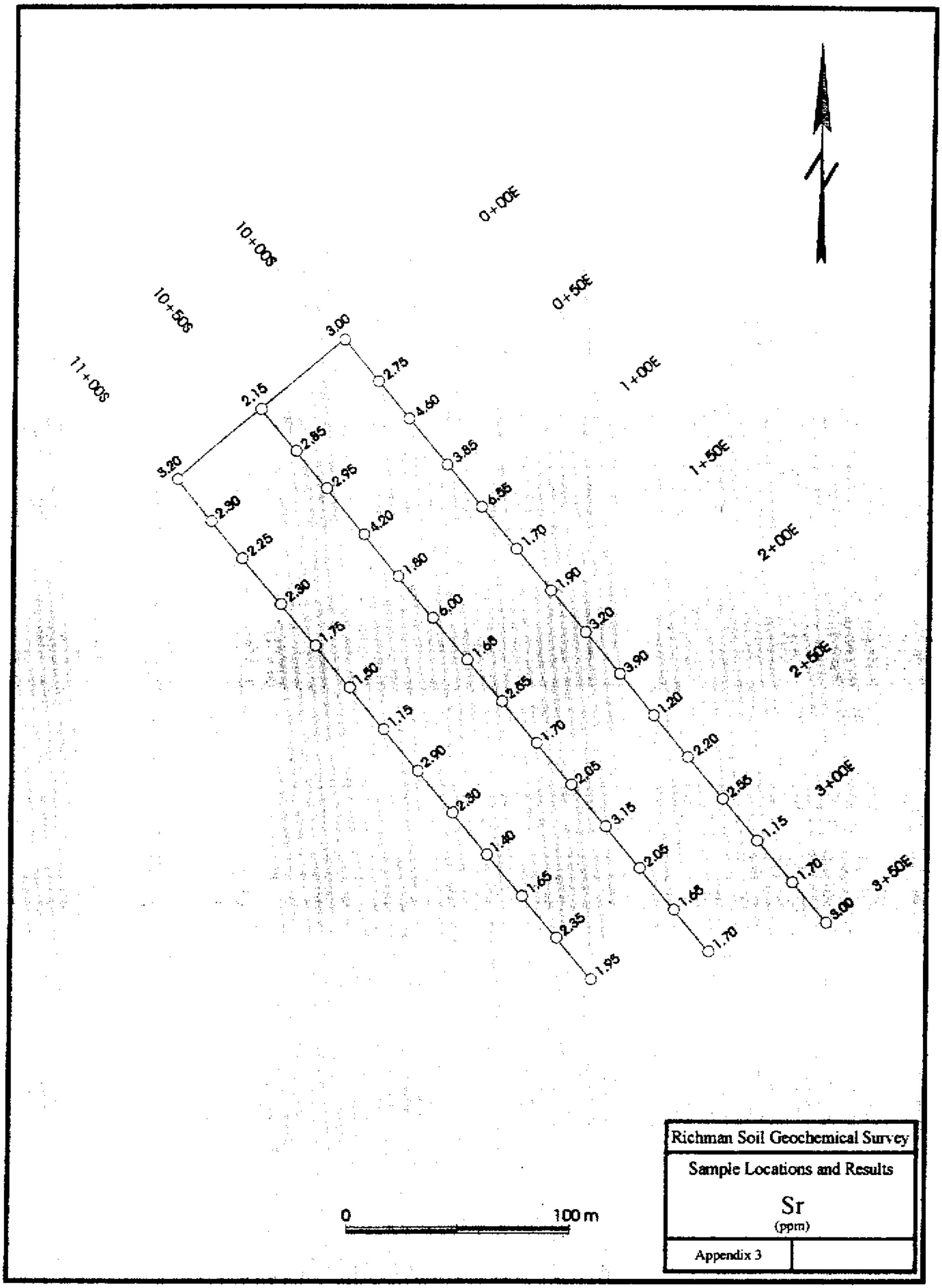


Richman Soil Geochemical Survey

Sample Locations and Results

Sb
(ppm)

Appendix 3

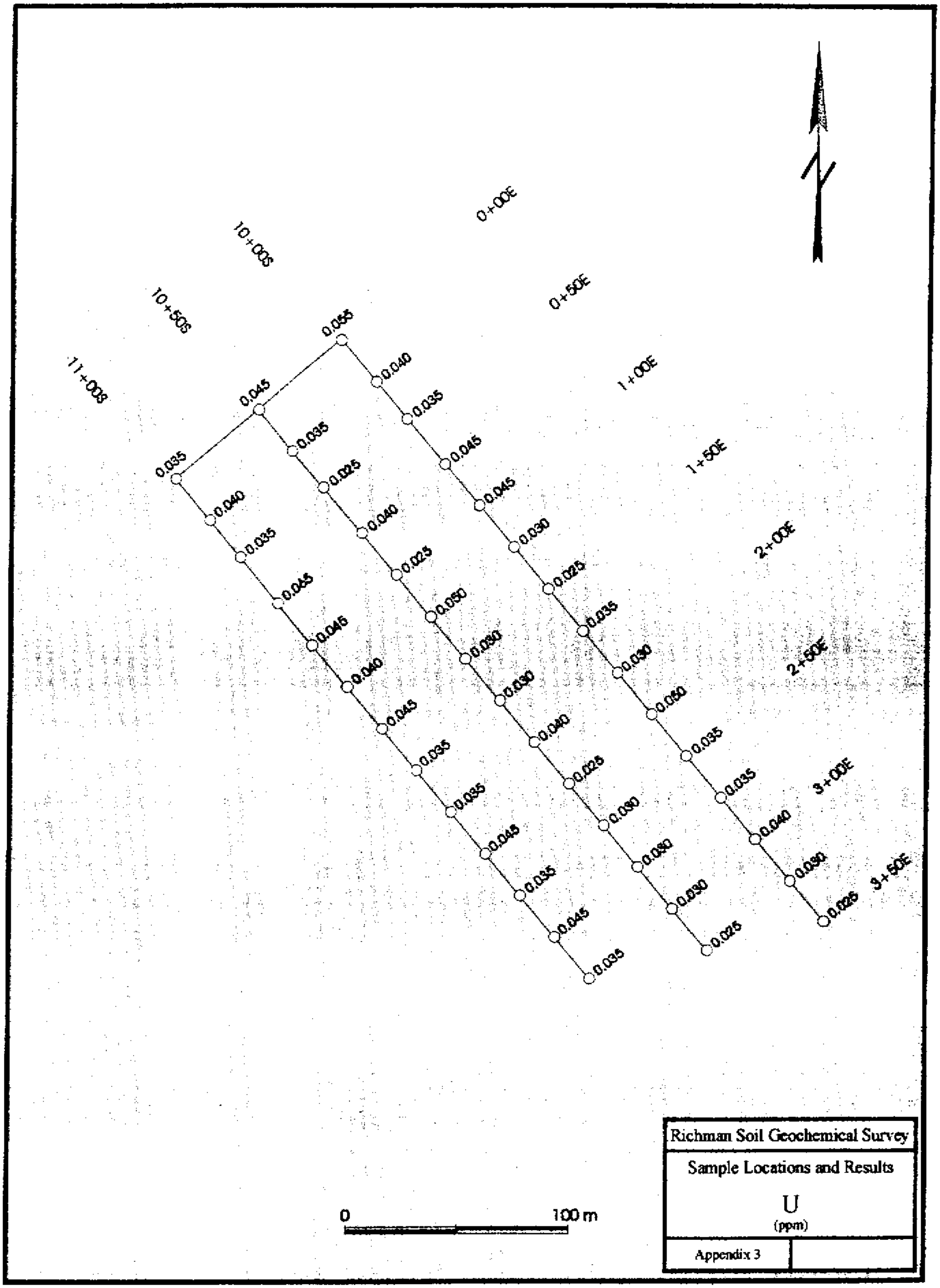


Richman Soil Geochemical Survey

Sample Locations and Results

Sr
(ppm)

Appendix 3



Richman Soil Geochemical Survey

Sample Locations and Results

U
(ppm)

Appendix 3

ALS Chemex
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Page Number :2-C
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Account :CDB

Project : BLACKDOME
Comments: ATTN: ALEX BORONOWSKI CC: CHRIS SEBERT

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A0024480

SAMPLE	PREP CODE		Mn ppm ICP-MS	Mo ppm ICP-MS	Na ppm ICP-MS	Nb ppm ICP-MS	Nd ppm ICP-MS	Ni ppm ICP-MS	P ppm ICP-MS	Pb ppm ICP-MS	Pr ppm ICP-MS	Rb ppm ICP-MS	Sb ppm ICP-MS	Se ppm ICP-MS	Sm ppm ICP-MS	Sn ppm ICP-MS
BC 11+00S 2+75E	201	202	2.7	< 0.01	< 10	< 0.01	0.875	< 0.05	70	0.6	0.220	0.32	< 0.005	< 0.5	0.185	< 0.05
BC 11+00S 3+00E	201	202	25.5	< 0.01	10	< 0.01	0.920	0.05	70	0.8	0.240	0.42	< 0.005	< 0.5	0.190	< 0.05
PM 00+00N 0+50E	201	202	8.3	< 0.01	10	< 0.01	0.380	0.15	90	0.2	0.095	0.16	< 0.005	< 0.5	0.110	< 0.05
PM 00+00N 1+00E	201	202	35.8	< 0.01	10	< 0.01	0.400	0.25	115	0.8	0.090	0.21	< 0.005	< 0.5	0.100	< 0.05
PM 02+50N 0+50E	201	202	9.6	< 0.01	10	< 0.01	0.110	0.10	45	0.3	0.030	0.16	< 0.005	< 0.5	0.025	< 0.05
PM 03+00N 0+50E	201	202	7.3	< 0.01	10	< 0.01	0.170	0.10	30	0.4	0.040	0.11	< 0.005	< 0.5	0.045	< 0.05
PM 03+50N 0+50E	201	202	125.0	< 0.01	10	< 0.01	0.680	0.10	20	0.7	0.175	0.17	< 0.005	< 0.5	0.150	< 0.05
PM 04+00N 0+50E	201	202	13.6	< 0.01	10	< 0.01	0.380	0.20	15	0.3	0.100	0.12	< 0.005	< 0.5	0.090	< 0.05
PM 04+50N 0+50E	201	202	6.7	< 0.01	10	< 0.01	0.365	0.05	30	0.8	0.085	0.22	< 0.005	< 0.5	0.090	< 0.05
PM 00+00 0+00	201	202	39.7	< 0.01	10	< 0.01	0.460	0.05	20	0.3	0.115	0.20	< 0.005	< 0.5	0.105	< 0.05
PM 00+00N 0+50W	201	202	23.1	< 0.01	< 10	0.01	0.420	0.20	120	0.5	0.110	0.27	< 0.005	< 0.5	0.105	< 0.05
PM 00+00N 1+00W	201	202	15.4	< 0.01	10	< 0.01	0.320	0.20	60	0.3	0.080	0.22	< 0.005	< 0.5	0.075	< 0.05
PM 00+50N 0+50W	201	202	14.1	< 0.01	10	< 0.01	0.600	0.15	60	0.1	0.165	0.28	< 0.005	< 0.5	0.140	< 0.05
PM 00+50N 1+00W	201	202	39.6	< 0.01	10	< 0.01	0.845	0.50	40	0.5	0.230	0.22	< 0.005	< 0.5	0.190	< 0.05
PM 00+50N 1+50W	201	202	18.3	< 0.01	10	< 0.01	0.410	0.15	195	0.3	0.105	0.40	< 0.005	< 0.5	0.100	< 0.05
PM 01+50 0+00W	201	202	48.0	< 0.01	10	< 0.01	0.295	0.20	75	0.6	0.080	0.21	< 0.005	< 0.5	0.065	< 0.05
PM 01+50 0+50W	201	202	22.0	< 0.01	10	< 0.01	0.345	< 0.05	30	0.3	0.090	0.20	< 0.005	< 0.5	0.085	< 0.05
PM 01+50 1+00W	201	202	3.9	< 0.01	10	< 0.01	0.450	0.05	50	0.3	0.125	0.25	< 0.005	< 0.5	0.110	< 0.05
PM 01+50 1+50W	201	202	14.5	< 0.01	10	< 0.01	1.365	0.25	220	0.4	0.360	0.52	< 0.005	< 0.5	0.290	< 0.05
PM 01+00 0+50W	201	202	9.1	< 0.01	10	< 0.01	0.360	0.05	40	0.2	0.090	0.28	< 0.005	< 0.5	0.095	< 0.05
PM 01+00N 1+00W	201	202	232	< 0.01	20	< 0.01	1.455	1.45	15	0.8	0.385	0.14	< 0.005	< 0.5	0.320	< 0.05
PM 01+00N 1+50W	201	202	8.6	< 0.01	< 10	< 0.01	0.625	0.40	85	0.2	0.175	0.32	< 0.005	< 0.5	0.155	< 0.05
PM 02+00N 0+00W	201	202	48.4	< 0.01	10	< 0.01	0.365	0.15	70	0.5	0.090	0.19	< 0.005	< 0.5	0.085	< 0.05
PM 02+00N 0+50W	201	202	52.9	< 0.01	10	< 0.01	0.430	0.10	115	0.8	0.110	0.27	< 0.005	< 0.5	0.100	< 0.05
PM 02+00N 1+00W	201	202	26.7	< 0.01	< 10	< 0.01	0.880	0.15	135	0.3	0.230	0.40	< 0.005	< 0.5	0.190	< 0.05
PM 02+00N 1+50W	201	202	179.5	0.03	10	0.01	1.555	0.35	190	1.2	0.410	0.58	< 0.005	< 0.5	0.305	< 0.05
PM 02+50N 0+00W	201	202	38.0	< 0.01	10	< 0.01	0.320	0.20	25	0.3	0.080	0.17	< 0.005	< 0.5	0.075	< 0.05
PM 02+50N 0+50W	201	202	8.0	< 0.01	20	< 0.01	0.510	0.10	90	0.3	0.140	0.25	< 0.005	< 0.5	0.130	< 0.05
PM 02+50N 1+00W	201	202	9.0	< 0.01	10	< 0.01	0.865	0.05	85	0.5	0.230	0.36	< 0.005	< 0.5	0.190	< 0.05
PM 02+50N 1+50W	201	202	19.2	< 0.01	10	< 0.01	0.780	0.15	130	0.4	0.200	0.43	< 0.005	< 0.5	0.160	< 0.05
PM 03+00N 0+00W	201	202	47.5	< 0.01	10	< 0.01	0.650	0.25	30	1.0	0.140	0.14	< 0.005	< 0.5	0.170	< 0.05
PM 03+00N 0+50W	201	202	4.4	< 0.01	< 10	< 0.01	0.470	0.10	145	0.4	0.125	0.44	< 0.005	< 0.5	0.115	< 0.05
PM 03+00N 1+00W	201	202	7.3	< 0.01	10	< 0.01	1.120	0.15	130	0.5	0.295	0.47	< 0.005	< 0.5	0.235	< 0.05
PM 03+00N 1+50W	201	202	4.4	< 0.01	10	< 0.01	0.315	0.05	35	0.3	0.075	0.26	< 0.005	< 0.5	0.080	< 0.05
PM 03+50N 0+00W	201	202	10.4	< 0.01	< 10	0.01	0.400	0.15	90	0.3	0.095	0.23	< 0.005	< 0.5	0.105	< 0.05
PM 03+50N 0+50W	201	202	4.9	< 0.01	10	< 0.01	0.595	0.20	150	0.4	0.150	0.37	< 0.005	< 0.5	0.160	< 0.05
PM 03+50N 1+00W	201	202	3.5	< 0.01	10	< 0.01	0.345	0.15	70	0.2	0.085	0.47	< 0.005	< 0.5	0.095	< 0.05
PM 03+50N 1+50W	201	202	59.2	< 0.01	10	< 0.01	0.280	0.20	20	0.6	0.075	0.30	< 0.005	< 0.5	0.065	< 0.05
PM 04+00N 0+00W	201	202	32.1	< 0.01	< 10	< 0.01	0.545	0.05	45	0.3	0.140	0.30	< 0.005	< 0.5	0.140	< 0.05
PM 04+00N 0+50W	201	202	104.0	0.01	< 10	< 0.01	0.585	0.15	115	0.4	0.155	0.51	< 0.005	< 0.5	0.145	< 0.05

CERTIFICATION:

* 0.1M NH2OH.HCl IN 0.04M HNO3. 1g/20ml FOR 2 HOURS @ ROOM TEMPERATURE.

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: BORONOWSKI, ALEX

3741 ST. ANDREWS AVE.
VANCOUVER, BC
V7N 2A6

Project : BLACKDOME
Comments: ATTN: ALEX BORONOWSKI CC: CHRIS SEBERT

Page Number :2-D
Total Pages :3
Certificate Date: 28-AUG-2000
Invoice No. : I0024480
P.O. Number :
Account :CDB

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A0024480

SAMPLE	PREP CODE		Sr ppm ICP-MS	Tb ppm ICP-MS	Te ppm ICP-MS	Th ppm ICP-MS	Ti ppm ICP-MS	Tl ppm ICP-MS	Tm ppm ICP-MS	U ppm ICP-MS	V ppm ICP-MS	W ppm ICP-MS	Yb ppm ICP-MS	Zn ppm ICP-MS	Zr ppm ICP-MS	B ppm ICP-MS
BC 11+00s 2+75E	201	202	2.35	0.030	< 0.05	0.04	5	< 0.005	0.005	0.045	0.30	< 0.01	0.040	0.2	0.30	< 2
BC 11+00s 3+00E	201	202	1.95	0.025	< 0.05	0.03	4	< 0.005	0.005	0.035	0.75	< 0.01	0.035	2.2	0.30	< 2
PM 00+00N 0+50E	201	202	11.45	0.015	< 0.05	0.03	2	< 0.005	0.005	0.025	1.15	< 0.01	0.030	3.0	0.40	< 2
PM 00+00N 1+00E	201	202	10.35	0.015	< 0.05	0.01	3	< 0.005	0.005	0.030	1.75	< 0.01	0.035	2.6	0.30	< 2
PM 02+50N 0+50E	201	202	10.30	0.005	< 0.05	< 0.01	1	< 0.005	< 0.005	0.010	0.75	< 0.01	0.005	1.6	0.20	< 2
PM 03+00N 0+50E	201	202	15.60	< 0.005	< 0.05	0.01	1	< 0.005	< 0.005	0.015	0.80	< 0.01	0.020	2.6	0.25	< 2
PM 03+50N 0+50E	201	202	14.65	0.020	< 0.05	0.01	3	< 0.005	0.005	0.030	0.90	< 0.01	0.050	3.6	0.25	< 2
PM 04+00N 0+50E	201	202	16.45	0.015	< 0.05	0.01	1	< 0.005	< 0.005	0.025	0.80	< 0.01	0.025	4.4	0.20	< 2
PM 04+50N 0+50E	201	202	14.90	0.015	< 0.05	0.01	2	< 0.005	< 0.005	0.030	0.90	< 0.01	0.025	2.2	0.25	< 2
PM 00+00 0+00	201	202	13.90	0.015	< 0.05	0.03	1	< 0.005	0.005	0.030	1.00	< 0.01	0.030	3.6	0.30	< 2
PM 00+00N 0+50W	201	202	11.05	0.015	< 0.05	0.04	3	< 0.005	0.005	0.035	2.20	< 0.01	0.030	4.8	0.65	< 2
PM 00+00N 1+00W	201	202	11.85	0.010	< 0.05	0.01	2	< 0.005	< 0.005	0.035	1.60	< 0.01	0.025	3.0	0.30	< 2
PM 00+50N 0+50W	201	202	11.20	0.020	< 0.05	0.01	3	0.005	0.005	0.030	1.20	< 0.01	0.045	1.8	0.30	< 2
PM 00+50N 1+00W	201	202	15.25	0.030	< 0.05	0.03	3	< 0.005	0.005	0.035	2.10	< 0.01	0.055	4.4	1.05	< 2
PM 00+50N 1+50W	201	202	11.35	0.015	< 0.05	0.03	3	< 0.005	< 0.005	0.030	1.50	< 0.01	0.030	2.6	0.55	< 2
PM 01+50 0+00W	201	202	25.9	0.005	< 0.05	0.01	2	< 0.005	< 0.005	0.025	1.55	< 0.01	0.020	3.4	0.40	< 2
PM 01+50 0+50W	201	202	12.80	0.010	< 0.05	0.12	2	< 0.005	< 0.005	0.025	1.10	< 0.01	0.025	1.6	0.25	< 2
PM 01+50 1+00W	201	202	11.80	0.015	< 0.05	0.03	2	0.005	< 0.005	0.025	1.40	< 0.01	0.040	2.8	0.35	< 2
PM 01+50 1+50W	201	202	15.90	0.040	< 0.05	0.10	3	< 0.005	0.015	0.060	1.95	< 0.01	0.070	3.8	0.95	< 2
PM 01+00 0+50W	201	202	11.15	0.015	< 0.05	0.01	1	< 0.005	< 0.005	0.030	1.25	< 0.01	0.030	2.2	0.30	< 2
PM 01+00N 1+00W	201	202	44.1	0.050	< 0.05	< 0.01	1	< 0.005	0.015	0.045	1.80	< 0.01	0.110	3.6	0.35	< 2
PM 01+00N 1+50W	201	202	14.00	0.020	< 0.05	0.06	3	< 0.005	0.005	0.035	2.00	< 0.01	0.040	2.4	0.75	< 2
PM 02+00N 0+00W	201	202	14.95	0.010	< 0.05	0.01	2	< 0.005	< 0.005	0.025	0.85	< 0.01	0.020	3.0	0.35	< 2
PM 02+00N 0+50W	201	202	15.70	0.015	< 0.05	0.04	3	< 0.005	< 0.005	0.025	1.10	< 0.01	0.030	2.8	0.50	< 2
PM 02+00N 1+00W	201	202	17.45	0.025	< 0.05	0.07	3	< 0.005	0.005	0.045	1.15	< 0.01	0.045	2.4	1.45	< 2
PM 02+00N 1+50W	201	202	19.55	0.045	< 0.05	0.09	5	0.005	0.015	0.070	3.15	< 0.01	0.085	4.2	1.05	< 2
PM 02+50N 0+00W	201	202	15.00	0.010	< 0.05	< 0.01	2	< 0.005	< 0.005	0.015	0.90	< 0.01	0.020	3.8	0.25	< 2
PM 02+50N 0+50W	201	202	17.10	0.015	< 0.05	0.04	3	< 0.005	0.005	0.030	1.15	< 0.01	0.040	2.6	0.50	< 2
PM 02+50N 1+00W	201	202	12.40	0.025	< 0.05	0.06	2	< 0.005	0.005	0.050	1.65	< 0.01	0.060	2.0	0.60	< 2
PM 02+50N 1+50W	201	202	16.30	0.020	< 0.05	0.06	3	0.015	0.005	0.055	1.95	< 0.01	0.050	3.4	0.65	< 2
PM 03+00N 0+00W	201	202	10.20	0.035	< 0.05	< 0.01	2	< 0.005	0.020	0.050	1.40	< 0.01	0.115	4.2	0.25	< 2
PM 03+00N 0+50W	201	202	8.10	0.020	< 0.05	0.06	3	< 0.005	0.005	0.045	1.35	< 0.01	0.045	3.6	0.60	< 2
PM 03+00N 1+00W	201	202	16.90	0.030	< 0.05	0.12	4	< 0.005	0.005	0.055	2.55	< 0.01	0.050	3.0	1.30	< 2
PM 03+00N 1+50W	201	202	14.20	0.010	< 0.05	0.01	1	< 0.005	< 0.005	0.025	1.00	< 0.01	0.025	2.8	0.30	< 2
PM 03+50N 0+00W	201	202	11.40	0.015	< 0.05	0.04	4	< 0.005	0.005	0.025	1.20	< 0.01	0.040	3.6	0.45	< 2
PM 03+50N 0+50W	201	202	11.40	0.020	< 0.05	0.07	2	< 0.005	0.005	0.040	1.20	< 0.01	0.050	5.4	0.60	< 2
PM 03+50N 1+00W	201	202	9.65	0.015	< 0.05	0.04	2	< 0.005	0.005	0.025	1.05	< 0.01	0.030	6.0	0.40	< 2
PM 03+50N 1+50W	201	202	21.0	0.005	< 0.05	0.01	3	< 0.005	< 0.005	0.025	1.00	< 0.01	0.020	3.4	0.45	< 2
PM 04+00N 0+00W	201	202	13.20	0.020	< 0.05	0.02	1	< 0.005	0.005	0.040	1.40	0.04	0.040	2.4	0.30	< 2
PM 04+00N 0+50W	201	202	10.30	0.020	< 0.05	0.04	3	< 0.005	0.005	0.040	2.00	< 0.01	0.040	2.8	0.55	< 2

CERTIFICATION:

* 0.1M NH2OH.HCl IN 0.04M HNO3. 1g/20ml FOR 2 HOURS @ ROOM TEMPERATURE.

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: BORONOWSKI, ALEX

3741 ST. ANDREWS AVE.
VANCOUVER, BC
V7N 2A6

Project : BLACKDOME
Comments: ATTN: ALEX BORONOWSKI CC: CHRIS SEBERT

Page Number :2-E
Total Pages :3
Certificate Date: 28-AUG-2000
Invoice No. : I0024480
P.O. Number :
Account :CDB

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A0024480

SAMPLE	PREP CODE		Ga ppm ICP-MS	Ge ppm ICP-MS	Hf ppm ICP-MS	In ppm ICP-MS	La ppm ICP-MS	Re ppm ICP-MS	Ta ppm ICP-MS	Y ppm ICP-MS	Leach pH
BC 11+00S 2+75E	201	202	0.25	< 0.1	0.02	< 0.005	0.930	< 0.001	< 0.01	0.480	1.5
BC 11+00S 3+00E	201	202	0.25	< 0.1	0.01	< 0.005	0.905	< 0.001	< 0.01	0.520	1.5
PM 00+00N 0+50E	201	202	0.10	< 0.1	0.01	< 0.005	0.390	< 0.001	< 0.01	0.305	1.5
PM 00+00N 1+00E	201	202	0.15	< 0.1	0.01	< 0.005	0.350	< 0.001	< 0.01	0.375	1.5
PM 02+50N 0+50E	201	202	0.10	< 0.1	< 0.01	< 0.005	0.135	< 0.001	< 0.01	0.090	1.5
PM 03+00N 0+50E	201	202	0.05	< 0.1	< 0.01	< 0.005	0.180	< 0.001	< 0.01	0.130	1.5
PM 03+50N 0+50E	201	202	0.15	< 0.1	0.01	< 0.005	0.725	< 0.001	< 0.01	0.485	1.5
PM 04+00N 0+50E	201	202	0.15	< 0.1	< 0.01	< 0.005	0.465	< 0.001	< 0.01	0.280	1.5
PM 04+50N 0+50E	201	202	0.10	< 0.1	< 0.01	< 0.005	0.380	< 0.001	< 0.01	0.285	1.5
PM 00+00 0+00	201	202	0.15	< 0.1	0.01	< 0.005	0.525	< 0.001	< 0.01	0.330	1.5
PM 00+00N 0+50W	201	202	0.15	< 0.1	0.03	< 0.005	0.465	< 0.001	< 0.01	0.350	1.5
PM 00+00N 1+00W	201	202	0.15	< 0.1	0.01	< 0.005	0.305	< 0.001	< 0.01	0.235	1.5
PM 00+50N 0+50W	201	202	0.10	< 0.1	0.01	< 0.005	0.705	< 0.001	< 0.01	0.430	1.5
PM 00+50N 1+00W	201	202	0.15	< 0.1	0.03	< 0.005	1.050	< 0.001	< 0.01	0.605	1.5
PM 00+50N 1+50W	201	202	0.15	< 0.1	0.01	< 0.005	0.430	< 0.001	< 0.01	0.315	1.5
PM 01+50 0+00W	201	202	0.15	< 0.1	0.01	< 0.005	0.390	< 0.001	< 0.01	0.225	1.5
PM 01+50 0+50W	201	202	0.10	< 0.1	0.01	< 0.005	0.390	< 0.001	< 0.01	0.240	1.5
PM 01+50 1+00W	201	202	0.10	< 0.1	0.01	< 0.005	0.590	< 0.001	< 0.01	0.320	1.5
PM 01+50 1+50W	201	202	0.15	< 0.1	0.03	< 0.005	1.520	< 0.001	< 0.01	0.850	1.5
PM 01+00 0+50W	201	202	0.05	< 0.1	< 0.01	< 0.005	0.360	< 0.001	< 0.01	0.300	1.5
PM 01+00N 1+00W	201	202	0.20	< 0.1	0.01	< 0.005	1.670	< 0.001	< 0.01	1.200	1.5
PM 01+00N 1+50W	201	202	0.15	< 0.1	0.03	< 0.005	0.815	< 0.001	< 0.01	0.435	1.5
PM 02+00N 0+00W	201	202	0.10	< 0.1	0.01	< 0.005	0.415	< 0.001	< 0.01	0.270	1.5
PM 02+00N 0+50W	201	202	0.15	< 0.1	0.01	< 0.005	0.490	< 0.001	< 0.01	0.315	1.5
PM 02+00N 1+00W	201	202	0.15	< 0.1	0.05	< 0.005	1.060	< 0.001	< 0.01	0.525	1.5
PM 02+00N 1+50W	201	202	0.20	< 0.1	0.04	< 0.005	1.850	< 0.001	< 0.01	0.895	1.5
PM 02+50N 0+00W	201	202	0.10	< 0.1	< 0.01	< 0.005	0.360	< 0.001	< 0.01	0.220	1.5
PM 02+50N 0+50W	201	202	0.20	< 0.1	0.01	< 0.005	0.645	< 0.001	< 0.01	0.400	1.5
PM 02+50N 1+00W	201	202	0.20	< 0.1	0.02	< 0.005	1.055	< 0.001	< 0.01	0.610	1.5
PM 02+50N 1+50W	201	202	0.25	< 0.1	0.03	< 0.005	0.885	< 0.001	< 0.01	0.495	1.5
PM 03+00N 0+00W	201	202	0.15	< 0.1	< 0.01	< 0.005	0.505	< 0.001	< 0.01	1.080	1.5
PM 03+00N 0+50W	201	202	0.20	< 0.1	0.02	< 0.005	0.530	< 0.001	< 0.01	0.435	1.5
PM 03+00N 1+00W	201	202	0.15	< 0.1	0.05	< 0.005	1.455	< 0.001	< 0.01	0.640	1.5
PM 03+00N 1+50W	201	202	0.15	< 0.1	0.01	< 0.005	0.380	< 0.001	< 0.01	0.225	1.5
PM 03+50N 0+00W	201	202	0.15	< 0.1	0.01	< 0.005	0.440	< 0.001	< 0.01	0.330	1.5
PM 03+50N 0+50W	201	202	0.15	< 0.1	0.02	< 0.005	0.590	< 0.001	< 0.01	0.470	1.5
PM 03+50N 1+00W	201	202	0.10	< 0.1	0.01	< 0.005	0.385	< 0.001	< 0.01	0.285	1.5
PM 03+50N 1+50W	201	202	0.15	< 0.1	0.01	< 0.005	0.410	< 0.001	< 0.01	0.210	1.5
PM 04+00N 0+00W	201	202	0.15	< 0.1	0.01	< 0.005	0.585	< 0.001	< 0.01	0.435	1.5
PM 04+00N 0+50W	201	202	0.25	< 0.1	0.01	< 0.005	0.640	< 0.001	< 0.01	0.445	1.5

* 0.1M NH2OH.HCl IN 0.04M HNO3. 1g/20ml FOR 2 HOURS @ ROOM TEMPERATURE.

CERTIFICATION:

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* PLEASE NOTE

CERTIFICATE OF ANALYSIS A0024480

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm ICP-MS	Al ppm ICP-MS	As ppm ICP-MS	Au ppm ICP-MS	Ba ppm ICP-MS	Be ppm ICP-MS	Bi ppm ICP-MS	Br ppm ICP-MS	Ca ppm ICP-MS	Cd ppm ICP-MS	Ce ppm ICP-MS	Co ppm ICP-MS	Cr ppm ICP-MS
PM 04+00N 1+00W	201	202	5	0.006	1045	< 0.1	< 0.05	39.9	0.15	< 0.005	< 2	780	0.01	4.76	1.45	0.25
PM 04+00N 1+50W	201	202	< 5	0.006	932	< 0.1	< 0.05	35.4	< 0.05	< 0.005	< 2	1050	< 0.01	0.625	1.00	0.25
PM 04+50N 0+00W	201	202	10	0.002	2250	< 0.1	< 0.05	67.6	0.05	< 0.005	< 2	1130	0.03	2.48	1.20	0.70
PM 04+50N 0+50W	201	202	< 5	0.006	1630	< 0.1	< 0.05	94.1	0.10	< 0.005	< 2	1260	0.04	1.595	0.30	0.65
PM 04+50N 1+00W	201	202	< 5	0.012	1515	< 0.1	< 0.05	63.2	0.05	< 0.005	< 2	1430	0.03	2.06	1.20	0.45
PM 04+50N 1+50W	201	202	< 5	0.016	1385	< 0.1	< 0.05	80.4	0.10	< 0.005	< 2	1300	0.01	1.575	0.30	0.75
PM 00+50S 0+50E	201	202	< 5	0.008	896	< 0.1	< 0.05	61.8	0.05	< 0.005	< 2	1280	< 0.01	1.640	0.30	0.80
PM 00+50S 1+00E	201	202	< 10	0.024	881	< 0.1	< 0.05	67.2	0.30	< 0.005	< 2	2180	0.03	5.38	2.10	0.40
PM 00+50S 0+00W	201	202	< 5	0.010	1230	< 0.1	< 0.05	67.6	0.05	< 0.005	< 2	1000	< 0.01	1.270	0.30	0.65
PM 00+50S 0+50W	201	202	< 5	0.010	1025	< 0.1	< 0.05	68.4	0.05	< 0.005	< 2	1190	0.01	1.300	0.30	0.75
PM 00 50S 1+00W	201	202	< 5	0.014	745	< 0.1	< 0.05	28.7	0.05	< 0.005	< 2	1650	0.01	2.01	0.95	0.80
IV-1	201	202	< 5	0.034	3530	< 0.1	< 0.05	6.30	0.05	< 0.005	< 2	20	0.02	0.955	0.25	0.75
IV-2	201	202	< 5	0.036	4340	0.1	< 0.05	9.95	0.05	< 0.005	< 2	120	< 0.01	0.995	0.05	0.50
IV-3	201	202	5	0.040	2190	0.1	< 0.05	7.00	0.10	< 0.005	< 2	< 10	0.01	0.685	0.10	0.40
IV-4	201	202	< 5	0.044	4540	0.3	< 0.05	6.30	0.10	< 0.005	2	30	0.01	1.140	0.05	0.85
IV-5	201	202	< 5	0.056	2010	< 0.1	< 0.05	6.65	0.05	< 0.005	< 2	10	0.01	1.160	0.05	0.30
IV-6	201	202	5	0.052	3180	0.3	< 0.05	7.30	0.05	< 0.005	< 2	160	0.02	0.930	0.20	0.70
IV-7	201	202	< 5	0.046	2130	< 0.1	< 0.05	7.40	0.05	< 0.005	< 2	130	< 0.01	1.260	0.10	0.40
IV-8	201	202	< 5	0.066	4320	0.1	< 0.05	7.15	0.05	< 0.005	< 2	< 10	0.01	0.635	< 0.05	0.55
IV-9	201	202	< 5	0.046	1895	< 0.1	< 0.05	9.55	0.05	< 0.005	< 2	350	0.03	1.540	0.15	0.20
WV-1	201	202	< 5	0.030	4440	0.6	< 0.05	10.30	0.05	< 0.005	< 2	270	0.04	0.825	0.80	1.05
WV-2	201	202	< 5	0.030	2400	0.2	< 0.05	17.30	0.05	< 0.005	< 2	300	0.03	0.560	0.60	0.65
WV-3	201	202	5	0.036	416	0.1	< 0.05	16.05	< 0.05	< 0.005	< 2	690	0.04	1.890	0.35	0.25
WV-4	201	202	< 5	0.042	918	0.1	< 0.05	43.3	0.05	< 0.005	< 2	1100	0.01	2.71	0.40	0.55
WV-5	201	202	35	0.050	4480	0.2	< 0.05	15.50	0.20	< 0.005	< 2	310	0.03	1.365	0.10	0.80
WV-6	201	202	< 5	0.010	2200	0.2	< 0.05	35.4	0.05	< 0.005	< 2	120	< 0.01	1.400	0.15	0.50

CERTIFICATION:______________________

* 0.1M NH2OH.HCl IN 0.04M HNO3. 1g/20ml FOR 2 HOURS @ ROOM TEMPERATURE.

SAMPLE	PREP CODE		Cs ppm ICP-MS	Cu ppm ICP-MS	Dy ppm ICP-MS	Er ppm ICP-MS	Eu ppm ICP-MS	Fe ppm ICP-MS	Gd ppm ICP-MS	Hg ppm ICP-MS	Ho ppm ICP-MS	I ppm ICP-MS	K ppm ICP-MS	Li ppm ICP-MS	Lu ppm ICP-MS	Mg ppm ICP-MS
PM 04+00N 1+00W	201	202	< 0.005	0.50	0.380	0.185	0.080	215	0.465	< 0.1	0.070	< 0.1	95	< 0.05	0.020	179
PM 04+00N 1+50W	201	202	< 0.005	0.25	0.040	0.025	0.005	295	0.050	< 0.1	0.005	< 0.1	110	< 0.05	< 0.005	221
PM 04+50N 0+00W	201	202	0.005	0.35	0.130	0.070	0.030	525	0.150	< 0.1	0.025	0.2	115	0.10	0.005	144
PM 04+50N 0+50W	201	202	< 0.005	0.55	0.130	0.060	0.030	415	0.165	< 0.1	0.025	0.1	125	< 0.05	0.005	230
PM 04+50N 1+00W	201	202	0.005	0.45	0.105	0.045	0.025	425	0.125	< 0.1	0.020	0.1	110	0.70	< 0.005	197
PM 04+50N 1+50W	201	202	0.005	0.55	0.150	0.070	0.030	495	0.190	< 0.1	0.030	< 0.1	90	0.05	0.005	296
PM 00+50S 0+50E	201	202	< 0.005	0.40	0.115	0.055	0.025	530	0.155	< 0.1	0.020	< 0.1	165	< 0.05	0.005	271
PM 00+50S 1+00E	201	202	0.005	0.80	0.480	0.280	0.085	375	0.530	< 0.1	0.095	0.1	100	0.30	0.040	666
PM 00+50S 0+00W	201	202	< 0.005	0.45	0.090	0.050	0.020	545	0.110	< 0.1	0.020	< 0.1	205	< 0.05	< 0.005	286
PM 00+50S 0+50W	201	202	< 0.005	0.45	0.110	0.045	0.030	560	0.135	< 0.1	0.020	< 0.1	140	< 0.05	< 0.005	225
PM 00 50S 1+00W	201	202	< 0.005	1.05	0.245	0.130	0.060	560	0.290	< 0.1	0.045	< 0.1	75	0.20	0.015	443
IV-1	201	202	0.025	0.80	0.095	0.040	0.020	270	0.110	< 0.1	0.015	0.9	35	0.05	< 0.005	12
IV-2	201	202	0.020	0.55	0.090	0.040	0.025	170	0.145	< 0.1	0.015	0.8	15	0.10	< 0.005	10
IV-3	201	202	0.055	0.40	0.055	0.020	0.010	370	0.075	< 0.1	0.005	0.6	30	< 0.05	< 0.005	9
IV-4	201	202	0.055	0.55	0.075	0.025	0.020	270	0.100	< 0.1	0.015	1.5	20	0.05	< 0.005	5
IV-5	201	202	0.120	0.40	0.085	0.030	0.020	150	0.115	< 0.1	0.015	0.5	20	< 0.05	< 0.005	14
IV-6	201	202	0.305	0.65	0.065	0.020	0.015	490	0.075	< 0.1	0.010	0.8	45	0.15	< 0.005	21
IV-7	201	202	0.455	0.85	0.085	0.030	0.020	325	0.125	< 0.1	0.015	0.6	25	0.05	< 0.005	10
IV-8	201	202	0.025	0.25	0.050	0.025	0.010	160	0.070	< 0.1	0.010	1.0	40	0.05	< 0.005	7
IV-9	201	202	0.060	0.50	0.120	0.045	0.025	135	0.155	< 0.1	0.020	0.4	70	0.10	< 0.005	33
WV-1	201	202	0.005	0.65	0.090	0.040	0.020	325	0.110	< 0.1	0.015	0.6	50	0.15	< 0.005	27
WV-2	201	202	0.005	0.45	0.055	0.025	0.010	415	0.070	< 0.1	0.010	0.4	125	< 0.05	< 0.005	41
WV-3	201	202	0.080	0.50	0.130	0.065	0.040	200	0.210	< 0.1	0.025	< 0.1	30	0.15	0.005	136
WV-4	201	202	0.005	0.50	0.295	0.145	0.080	315	0.415	< 0.1	0.055	0.2	20	0.20	0.015	134
WV-5	201	202	0.010	0.35	0.145	0.075	0.025	190	0.160	< 0.1	0.025	0.7	30	< 0.05	0.005	42
WV-6	201	202	0.005	0.35	0.125	0.060	0.025	170	0.150	< 0.1	0.025	0.3	25	0.05	0.005	33

* 0.1M NH2OH.HCl IN 0.04M HNO3. 1g/20ml FOR 2 HOURS @ ROOM TEMPERATURE.

CERTIFICATION:

* 0.1M NH2OH.HCl IN 0.04M HNO3. 1g/20ml FOR 2 HOURS @ ROOM TEMPERATURE.

* 0.1M NH2OH.HCl IN 0.04M HNO3. 1g/20ml FOR 2 HOURS @ ROOM TEMPERATURE.

CERTIFICATION:

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BORONOWSKI, ALEX

3741 ST. ANDREWS AVE.
VANCOUVER, BC
V7N 2A6

Project : BLACKDOME
Comments: ATTN: ALEX BORONOWSKI CC: CHRIS SEBERT

Page Number : 3-E
Total Pages : 3
Certificate Date: 28-AUG-2000
Invoice No. : 10024480
P.O. Number :
Account : CDB

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A0024480

SAMPLE	PREP CODE		Ga ppm ICP-MS	Ge ppm ICP-MS	Hf ppm ICP-MS	In ppm ICP-MS	La ppm ICP-MS	Re ppm ICP-MS	Ta ppm ICP-MS	Y ppm ICP-MS	Leach pH
PM 04+00N 1+00W	201	202	0.15	< 0.1	0.01	< 0.005	2.08	< 0.001	< 0.01	1.605	1.5
PM 04+00N 1+50W	201	202	0.15	< 0.1	0.01	< 0.005	0.275	< 0.001	< 0.01	0.175	1.5
PM 04+50N 0+00W	201	202	0.30	< 0.1	0.02	< 0.005	0.790	< 0.001	< 0.01	0.510	1.5
PM 04+50N 0+50W	201	202	0.20	< 0.1	0.02	< 0.005	0.880	< 0.001	< 0.01	0.585	1.5
PM 04+50N 1+00W	201	202	0.20	< 0.1	0.03	< 0.005	0.925	< 0.001	< 0.01	0.425	1.5
PM 04+50N 1+50W	201	202	0.20	< 0.1	0.02	< 0.005	0.745	< 0.001	< 0.01	0.650	1.5
PM 00+50S 0+50E	201	202	0.15	< 0.1	0.03	< 0.005	0.815	< 0.001	< 0.01	0.495	1.5
PM 00+50S 1+00E	201	202	0.15	< 0.1	0.01	< 0.005	1.600	< 0.001	< 0.01	2.62	1.5
PM 00+50S 0+00W	201	202	0.15	< 0.1	0.01	< 0.005	0.565	< 0.001	< 0.01	0.380	1.5
PM 00+50S 0+50W	201	202	0.15	< 0.1	0.01	< 0.005	0.590	< 0.001	< 0.01	0.450	1.5
PM 00 50S 1+00W	201	202	0.20	< 0.1	0.01	< 0.005	1.015	< 0.001	< 0.01	1.060	1.5
IV-1	201	202	0.40	< 0.1	0.02	< 0.005	0.530	< 0.001	< 0.01	0.370	1.5
IV-2	201	202	0.25	< 0.1	0.01	< 0.005	0.515	< 0.001	< 0.01	0.380	1.5
IV-3	201	202	0.15	< 0.1	< 0.01	< 0.005	0.305	< 0.001	< 0.01	0.185	1.5
IV-4	201	202	0.30	< 0.1	0.04	< 0.005	0.505	< 0.001	< 0.01	0.245	1.5
IV-5	201	202	0.25	< 0.1	< 0.01	< 0.005	0.575	< 0.001	< 0.01	0.290	1.5
IV-6	201	202	0.25	< 0.1	0.01	< 0.005	0.460	< 0.001	< 0.01	0.225	1.5
IV-7	201	202	0.15	< 0.1	< 0.01	< 0.005	0.800	< 0.001	< 0.01	0.280	1.5
IV-8	201	202	0.30	< 0.1	0.03	< 0.005	0.340	< 0.001	< 0.01	0.190	1.5
IV-9	201	202	0.30	< 0.1	< 0.01	< 0.005	0.755	< 0.001	< 0.01	0.420	1.5
WV-1	201	202	0.20	< 0.1	0.03	< 0.005	0.350	< 0.001	< 0.01	0.330	1.5
WV-2	201	202	0.20	< 0.1	0.02	< 0.005	0.255	< 0.001	< 0.01	0.235	1.5
WV-3	201	202	0.10	< 0.1	< 0.01	< 0.005	0.680	< 0.001	< 0.01	0.715	1.5
WV-4	201	202	0.15	< 0.1	0.01	< 0.005	1.380	< 0.001	< 0.01	1.270	1.5
WV-5	201	202	0.15	< 0.1	0.03	< 0.005	0.680	< 0.001	< 0.01	0.605	1.5
WV-6	201	202	0.20	< 0.1	0.01	< 0.005	0.590	< 0.001	< 0.01	0.480	1.5

* 0.1M NH2OH.HCl IN 0.04M HNO3, 1g/20ml FOR 2 HOURS @ ROOM TEMPERATURE.

CERTIFICATION:________________

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BORONOWSKI, ALEX

3741 ST. ANDREWS AVE.
VANCOUVER, BC
V7N 2A6

Project : BLACK DOME
Comments: ATTN: ALEX BORONOWSKI

Page Number :1
Total Pages :1
Certificate Date: 27-OCT-2000
Invoice No. : I0031571
P.O. Number :
Account :CDB

CERTIFICATE OF ANALYSIS A0031571

SAMPLE	PREP CODE		Au ppb FA+AA
PM00+50N 0+00W	201	202	< 5
PM1+00N 0+50E	201	202	< 5
PM1+00N 0+00W	201	202	< 5
PM1+50N 0+50E	201	202	< 5
P5+00N 0+50E	201	202	< 5
P5+00N 0+00W	201	202	< 5
P5+00N 0+50W	201	202	< 5

CERTIFICATION:

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BORONOWSKI, ALEX

3741 ST. ANDREWS AVE.
VANCOUVER, BC
V7N 2A6

Project : BLACKDOME
Comments: ATTN: ALEX BORONOWSKI CC: CHRIS SEBERT

Page Number : 1
Total Pages : 1
Certificate Date: 10-AUG-2000
Invoice No. : I0024892
P.O. Number :
Account : CDB

CERTIFICATE OF ANALYSIS A0024892

SAMPLE	PREP CODE		Au ppb FA+AA
PMH 1	244	--	< 10
PMH 2	244	--	< 5
PMH 3	244	--	5
PMH 4	244	--	5
PMH 5	244	--	< 10
PMH 6	244	--	< 10

RERUNS from A0024482

CERTIFICATION:

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: BORONOWSKI, ALEX
3741 ST. ANDREWS AVE.
VANCOUVER, BC
V7N 2A6

Project : BLACKDOME
Comments: ATTN: ALEX BORONOWSKI CC: CHRIS SEBERT

Num 1-A
Total Pages : 1
Certificate Date: 07-AUG-2000
Invoice No. : 10024482
P.O. Number :
Account : CDB

CERTIFICATE OF ANALYSIS A0024482

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
PMH 1	235	229	< 0.2	1.41	4	30	70	4.0	< 2	1.19	< 0.5	18	148	18	6.63	10	< 1	0.08	< 10	0.64	750
PMH 2	235	229	< 0.2	1.17	4	30	60	4.0	< 2	1.00	< 0.5	18	191	23	8.67	10	1	0.07	< 10	0.52	930
PMH 3	235	229	< 0.2	1.19	< 2	40	60	3.5	< 2	0.91	< 0.5	19	138	19	7.38	10	< 1	0.06	< 10	0.59	780
PMH 4	235	229	< 0.2	1.45	10	30	80	2.5	< 2	1.10	< 0.5	17	169	19	6.00	10	< 1	0.09	< 10	0.71	730
PMH 5	235	229	< 0.2	1.08	< 2	30	40	3.5	< 2	0.92	< 0.5	15	151	13	6.48	10	1	0.06	< 10	0.52	805
PMH 6	235	229	< 0.2	1.19	2	10	100	1.5	< 2	0.73	< 0.5	12	116	11	3.42	< 10	< 1	0.08	< 10	0.53	770

CERTIFICATION:

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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ALS

To: DNOV ALEX

3741 ST. ANDREWS AVE.
VANCOUVER, BC
V7N 2A6

Project : BLACKDOME
Comments: ATTN: ALEX BORONOWSKI CC;CHRIS SEBERT

1-A
Total Pages :1
Certificate Date: 08-AUG-2000
Invoice No. : I0024485
P.O. Number :
Account : CDB

CERTIFICATE OF ANALYSIS A0024485

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
267851	205	226	< 5	< 0.2	0.16	46	< 10	70	< 0.5	2	0.71	< 0.5	1	58	4	0.38	< 10	< 1	0.11	< 10	0.04
267852	205	226	< 5	< 0.2	0.21	22	< 10	50	< 0.5	< 2	4.18	< 0.5	6	61	4	2.10	< 10	1	0.07	< 10	0.08
267853	205	226	< 5	< 0.2	0.37	14	< 10	30	< 0.5	< 2	3.80	< 0.5	9	18	4	3.28	< 10	< 1	0.11	10	0.21
267854	205	226	< 5	< 0.2	0.19	6	< 10	50	< 0.5	< 2	0.23	< 0.5	4	85	3	0.81	< 10	< 1	0.07	< 10	0.07
267855	205	226	< 5	< 0.2	0.30	6	< 10	60	< 0.5	< 2	0.79	< 0.5	5	141	3	1.88	< 10	< 1	0.07	< 10	0.09
267856	205	226	< 5	< 0.2	0.55	36	< 10	110	< 0.5	< 2	0.64	< 0.5	9	28	8	0.68	< 10	< 1	0.26	20	0.08
267857	205	226	< 5	< 0.2	0.40	22	< 10	90	< 0.5	< 2	0.70	< 0.5	7	24	6	0.79	< 10	< 1	0.13	10	0.09
267858	205	226	40	3.2	0.23	84	< 10	30	< 0.5	< 2	0.03	< 0.5	< 1	119	48	2.63	< 10	< 1	0.15	< 10	0.01
267859	205	226	40	1.8	0.25	84	< 10	40	< 0.5	< 2	0.03	< 0.5	< 1	96	69	2.81	< 10	< 1	0.16	< 10	0.01
267860	205	226	10	6.4	0.16	22	< 10	10	< 0.5	< 2	0.01	< 0.5	< 1	147	7	0.57	< 10	< 1	0.08	< 10	0.01
267861	205	226	< 5	9.6	0.05	< 2	< 10	10	< 0.5	10	0.06	1.0	< 1	125	3	0.29	< 10	< 1	0.02	< 10	0.04

CERTIFICATION:

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Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: BORONOWSKI, ALEX

3741 ST. ANDREWS AVE.
VANCOUVER, BC
V7N 2A6

Project : BLACKDOME
Comments: ATTN: ALEX BORONOWSKI CC;CHRIS SEBERT

:1-B
Total Pages :1
Certificate Date: 08-AUG-2000
Invoice No. : I0024485
P.O. Number :
Account :CDB

CERTIFICATE OF ANALYSIS A0024485

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
267851	205	226	190	< 1	0.03	3	140	< 2	0.04	< 2	1	31	0.01	< 10	< 10	18	< 10	18
267852	205	226	2680	1	0.03	1	650	< 2	< 0.01	< 2	5	24	0.04	< 10	< 10	24	< 10	32
267853	205	226	2720	< 1	0.04	1	1050	< 2	< 0.01	< 2	6	32	0.03	< 10	< 10	36	< 10	58
267854	205	226	1435	2	0.04	3	330	< 2	< 0.01	< 2	1	16	< 0.01	< 10	< 10	12	< 10	18
267855	205	226	1240	1	0.04	4	480	< 2	< 0.01	< 2	4	17	0.01	< 10	< 10	21	< 10	30
267856	205	226	345	< 1	0.11	5	2240	2	< 0.01	< 2	7	24	0.05	< 10	< 10	49	< 10	58
267857	205	226	330	1	0.07	3	1530	< 2	< 0.01	< 2	8	24	0.08	< 10	< 10	51	< 10	48
267858	205	226	20	31	< 0.01	4	290	298	0.04	< 2	< 1	12	< 0.01	< 10	< 10	7	< 10	6
267859	205	226	25	29	< 0.01	3	280	32	0.05	< 2	< 1	15	< 0.01	< 10	< 10	7	< 10	22
267860	205	226	20	230	< 0.01	5	120	14	< 0.01	2	< 1	4	< 0.01	< 10	< 10	4	< 10	4
267861	205	226	55	< 1	< 0.01	2	70	754	< 0.01	< 2	< 1	5	< 0.01	< 10	< 10	1	< 10	96

CERTIFICATION:

APPENDIX 5: Declaration and Statement of Qualification

Statements of Qualification of the Authors

I, Alexander J. Boronowski, of the District of North Vancouver, in the province of British Columbia, do certify that:

1) I am a graduate of the Faculty of Science, University of British Columbia 1970, with a B.Sc. degree in Geology.

2) I am registered with the Association of Engineers and Geoscientists of British Columbia and I am a Fellow of the Geological Association of Canada.

Alexander J Boronowski

Alexander Boronowski

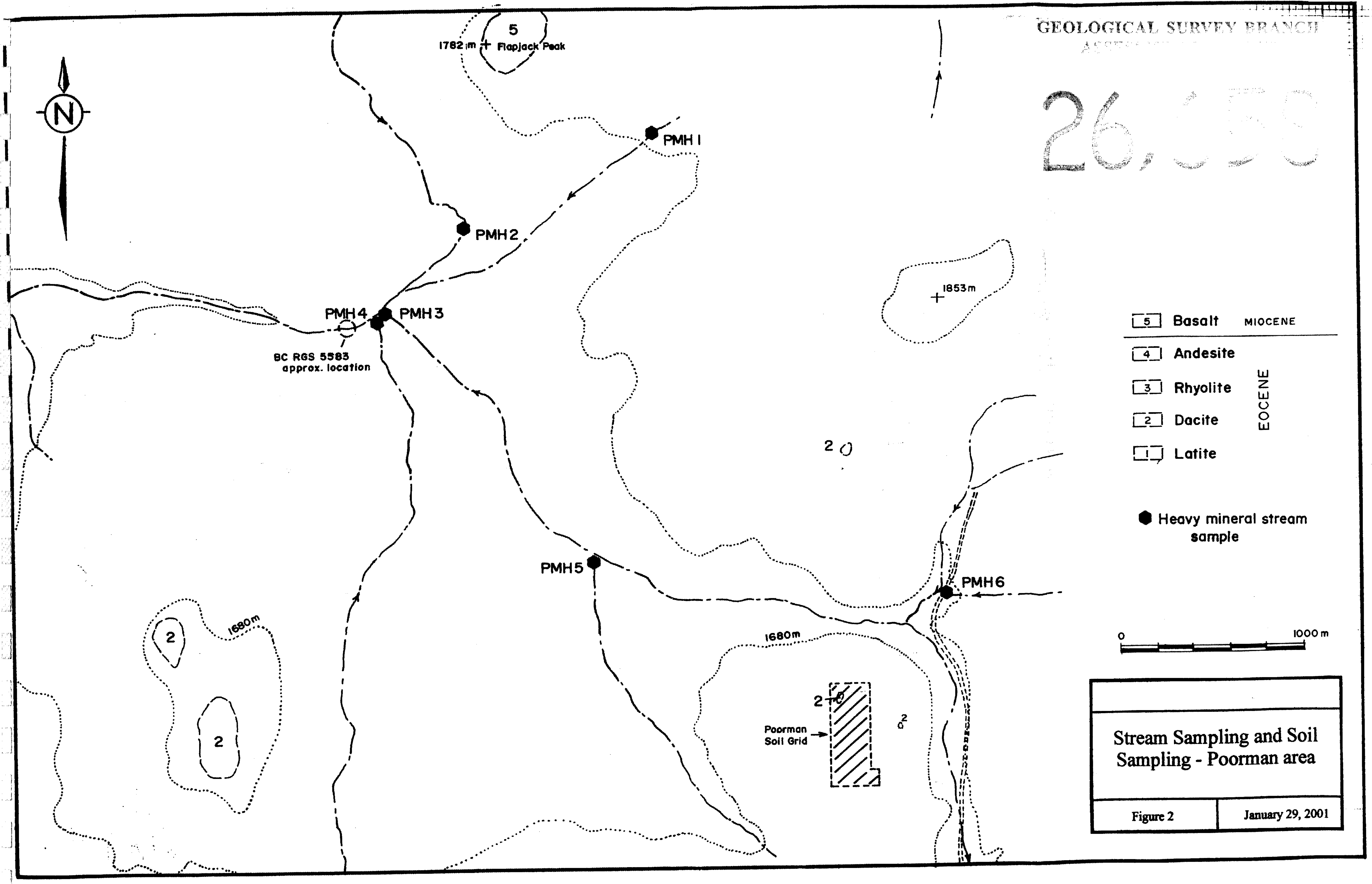
I, Christopher Sebert, residing at 19616-80th Ave, Langley, British Columbia declare:

1) I am a registered Geological Engineer in the province of British Columbia.

2) I hold a Bachelors and Masters degree in Geological Engineerng obtained at the University of British Columbia in 1987 and 1998 respectively.

3) I have worked in the mining industry as an exploration and mine geologist for 9 years.

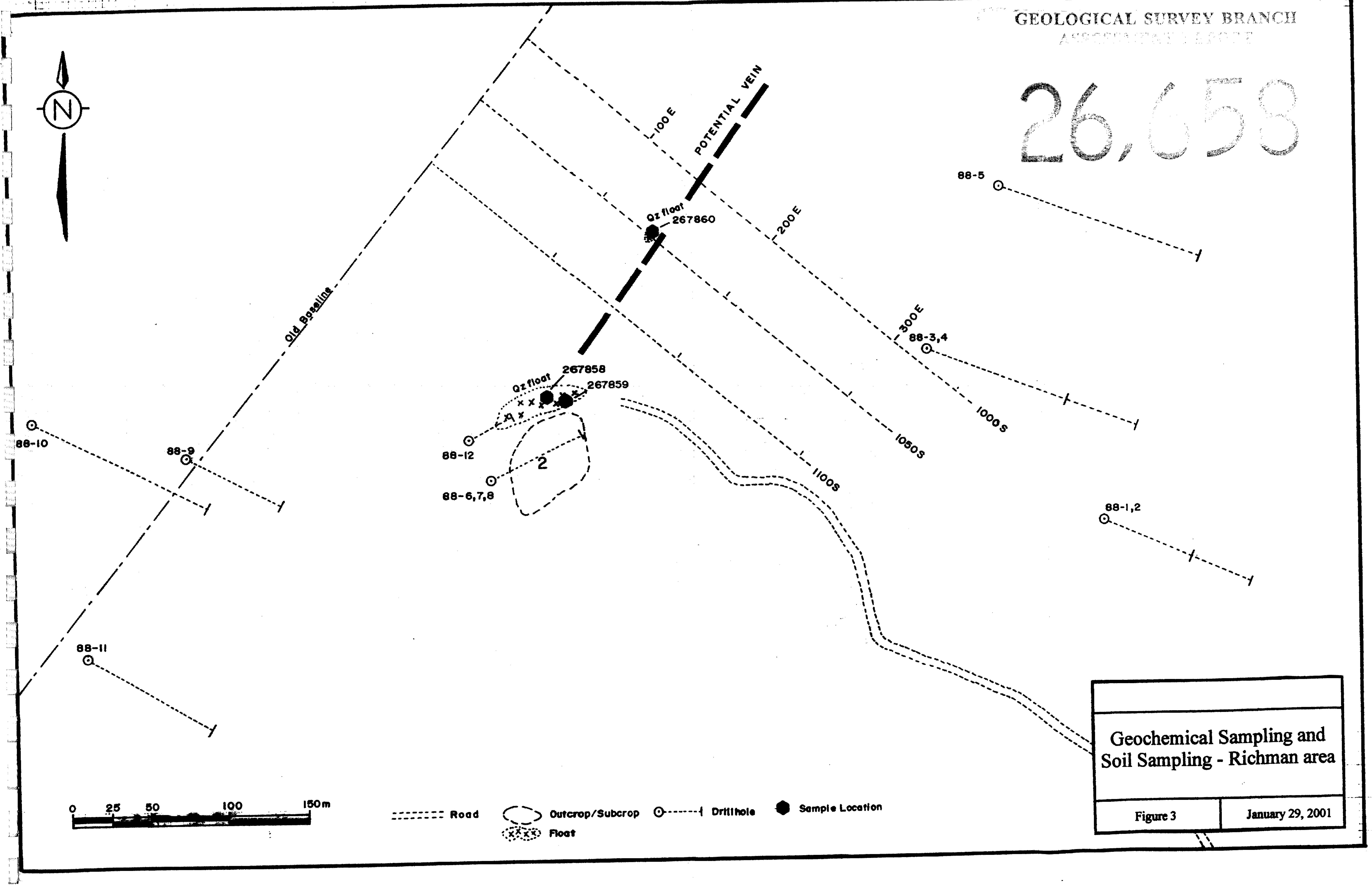
Christopher Sebert



Stream Sampling and Soil Sampling - Poorman area

Figure 2

January 29, 2001



Geochemical Sampling and Soil Sampling - Richman area

Figure 3

January 29, 2001