Final Report on 2004 Exploration, Canol Creek Project

NTS 105F07

Latitude: 61° 17' N
Longitude: 132° 51' W

Submitted to: Yukon Mining Incentives Program, Focused Regional Module

Gregg Jilson,
G.A. Jilson & Associates Inc.
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January 2005

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January 31, 2005 **BY HAND**

Mr. Ken Galambos
Mineral Development Geologist
Mineral Development Branch (K-10)
Department of Energy, Mines and Resources
Government of Yukon
Box 2703
Whitehorse, YT Y1A 2C6

Dear Mr. Galambos:

Re: Final Report on YMIP (Focused Regional Module) funded project – # 04-039

Attached is our document: "Final Report on 2004 Exploration, Canol Creek Project". I trust you will find it complete and in order.

Total Expenditures as summarized in Appendix I are $23,540.67. We believe that these are all qualifying expenditures and therefore request the maximum $15,000 contribution which is less that 75% of the total.

Thank you for the assistance in carrying out this project.

Yours very truly

G.A. JILSON & ASSOCIATES INC.

Gregg Jilson,
President

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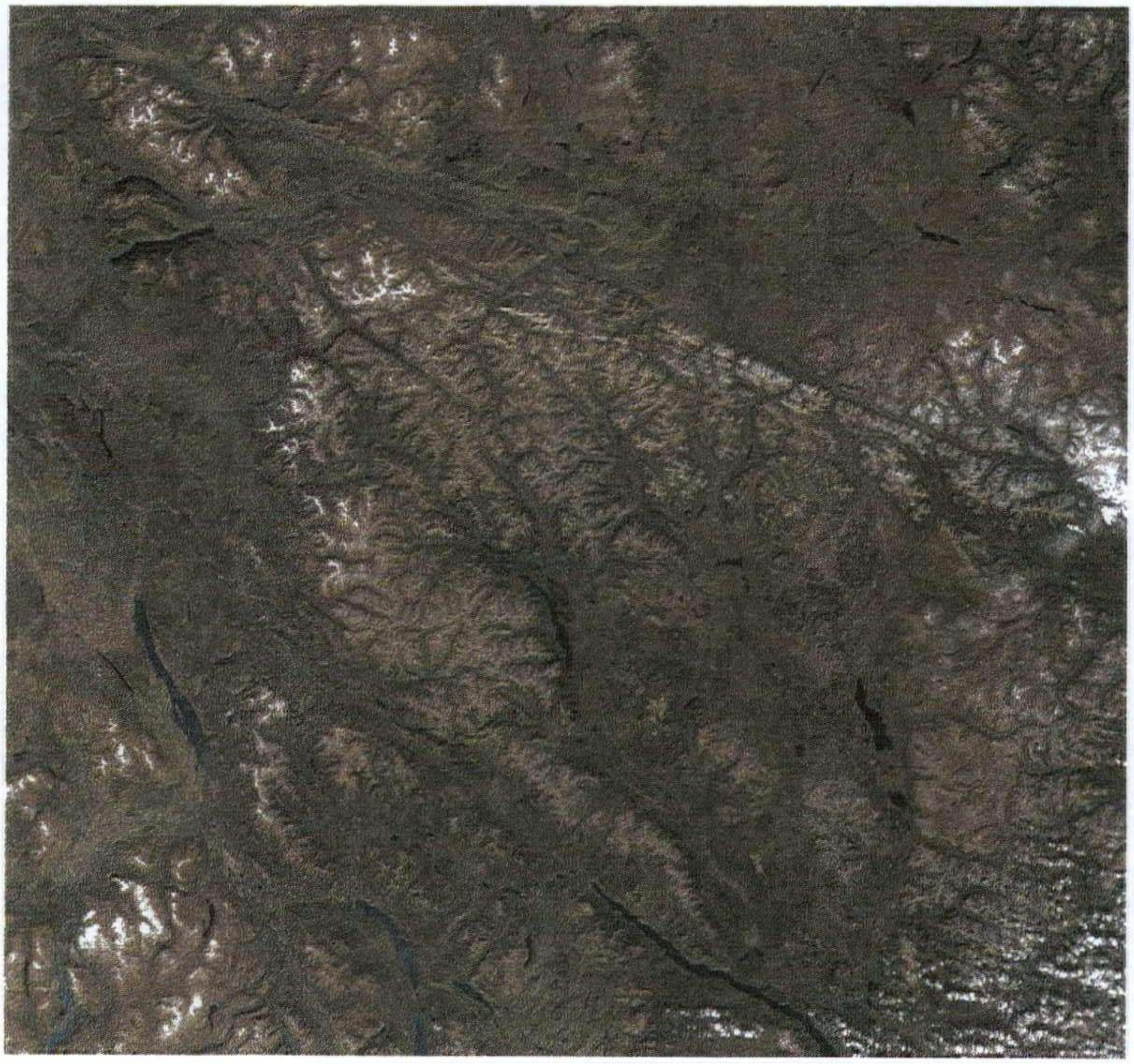

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Cover picture: Modis Terra Satellite image of the region around the project area. The image was acquired September 10, 2004 at 2010 UTC (1:10 PM PDT), toward the end of the September fieldwork period. The project area is just north of the centre of the image, Whitehorse is in the lower left corner, Ross River just below top center. This is derived from a band 1-4-3 (red-green-blue) natural colour image with each pixel representing 250 m on the ground. The image shows the remnants of snow that fell all around the project area the day before project mobilization but did not cover the project area. It snowed again 2 days after the image date, that time blanketing the project area. Image courtesy of MODIS Rapid Response Project at NASA/GSFC; URL for 1 km. Pixel version:
http://rapidfire.sci.gsfc.nasa.gov/realtime/single.php?2004254/crefl1_143.A2004254201000-2004254201500.1km.jpg

1. Introduction

Prospecting and geochemical reconnaissance using soils and stream silts were carried out in a 35 km^2 area in the south-western Pelly Mountains. The exploration targets for the project were intrusion related gold - tungsten associated with mid-Cretaceous granitic intrusives and beryl related to the juxtaposition of ultramafic and granitic rocks.

The results of the soil survey were not encouraging for the presence of an economic gold deposit but strongly suggest the presence of a large but very weakly mineralized system with the geochemical characteristics of intrusion related Au-W-Bi-As. No beryl occurrences were noted but a skarn occurrence containing small brilliant green garnet (possibly demantiod) may have gemstone potential and requires further investigation. The silt anomalies show that the upper Deer Creek area should be further prospected for Mo and, as a lower priority, the uppermost Canol Creek area southeast of the area examined in 2004 should be prospected for Pb, Sb, Cu, As, Au, Ag mineralization along with a Mo-W soil anomaly.

2. Location and Access

The project area is located in the Pelly Mountains in Quiet Lake map area (105F) about six km. east of the Canol Road between km. 110 and km. 115 (figures 1 and 2). The region is drained toward the south by the Rose River a tributary of the Nisutlin River which empties into Teslin Lake, Three creeks (Canol, Deer and Big Creeks; figure 3,4) drain the project area toward the west into Rose River.

The project area lies within the Watson Lake Mining District in the southwest corner of claim sheet 105F07. Latitude and longitude of the centre of the project area are 61° 17' N and 132° 51' W respectively.

Access to the region is readily available by the Canol Road, a summer only highway. It is possible to walk to the western limits of the project area from the Canol Road, however, it did not prove practical to access the area on foot and accomplish a reasonable day's work. No roads or trails into the area were found in early reconnaissance and bush is quite thick at lower elevations, consequently ATV access was not possible without trail building. The only practical means of access to the entire area, especially for camp mobilization, is by helicopter. Helicopters are normally available in Ross River, 80 km. to the north, or Whitehorse, 135 km to the southwest (figure 2).

Road access to the region from Whitehorse during the summer field season is best gained by travelling south on the Alaska Highway then north on the South Canol Road (figure 2). The trip is approximately 225km and takes about 4 hours, the majority of which is on the Canol Road.

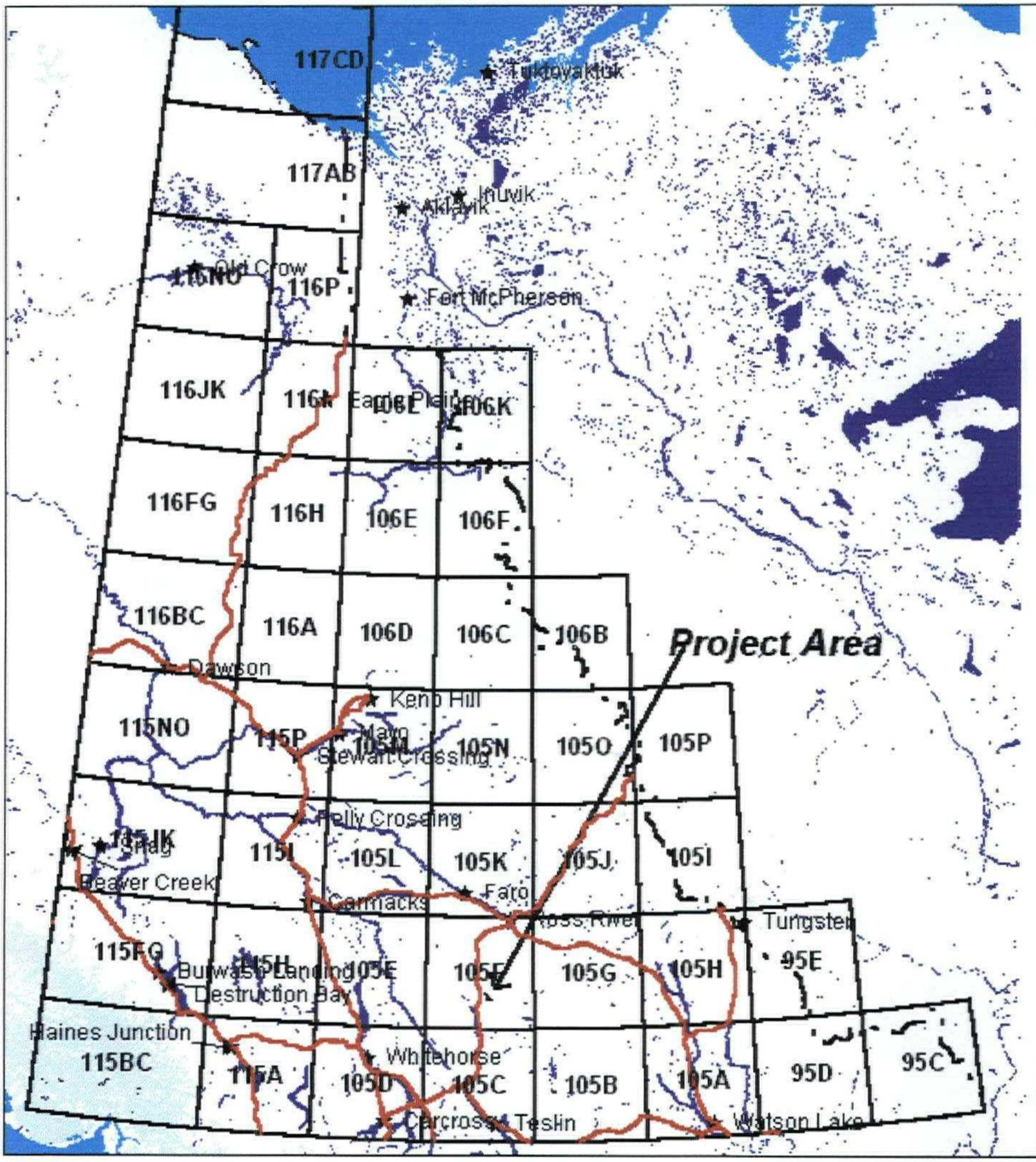

Figure 1. Location of Project area in the Quiet Lake map area (105F) in south central Yukon northeast of Whitehorse. Base map is derived from files on Yukon Digital Geology CD (Gordey and Makepeace, 1999)

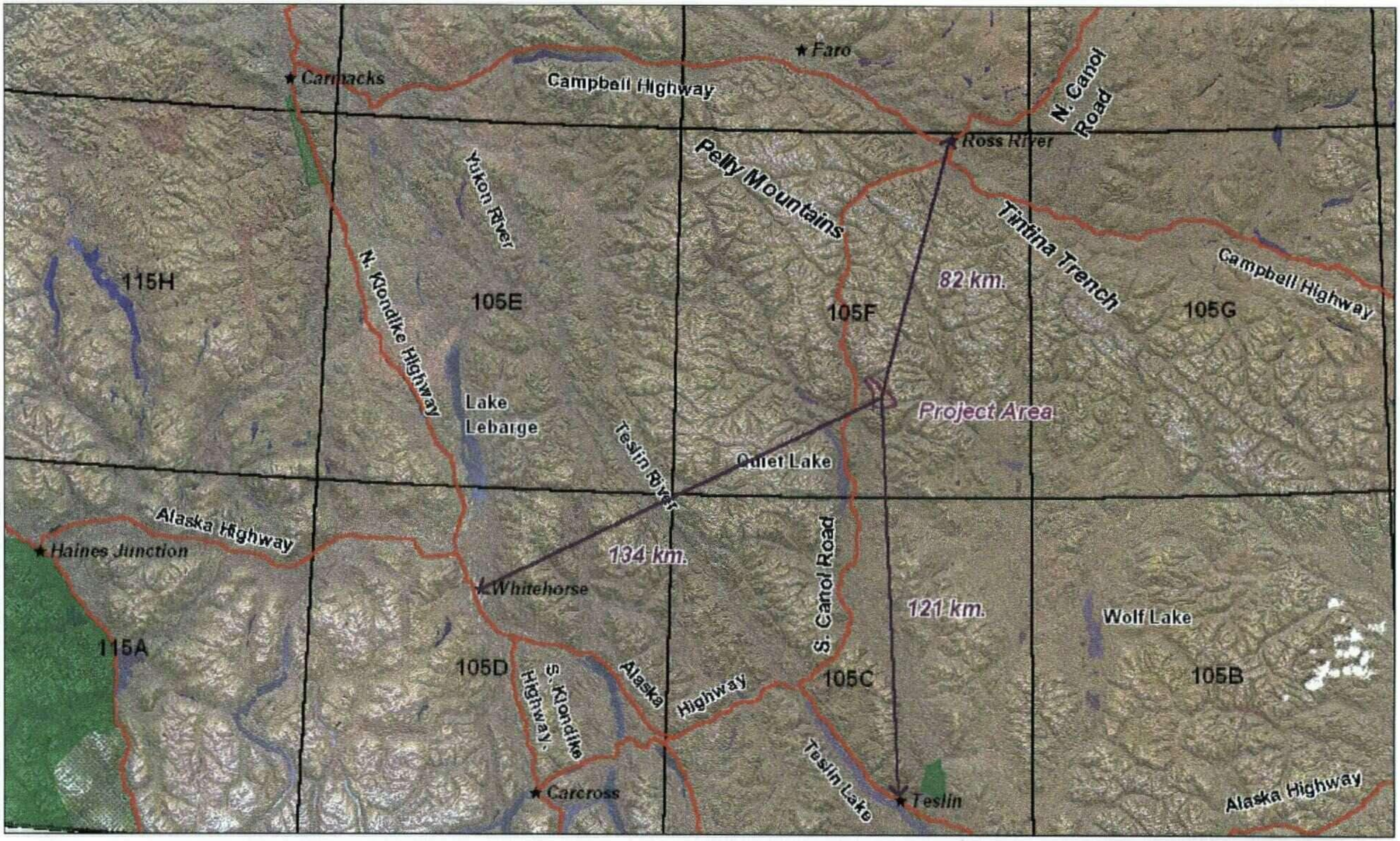

Figure 2. Location of project area in relation to nearby communities, infrastructure and access routes. Landsat and shaded relief base from Geomatics Yukon web site. The darker green pattern represents parks and Special Management Areas (from files on Yukon Environment web site), lighter green pattern is a game sanctuary. Access to the project area from Whitehorse is by travelling south on the Alaska Highway then north on the South Canol Road. Total road distance is 427 km. Helicopter access from Ross River is preferable to Whitehorse but machines are not always available in Ross River.

3. Previous Work

Access to the area has been good for over five decades due to the WWII era construction of the Canol Road and pipeline enabling relatively early prospecting. Several asbestos properties were explored in the mid-1950s including the Walli occurrence at the north end of the project area (figure 3). Several base and precious metal vein occurrences were also discovered at that time particularly in the area north of the project area.

Shortly after the release of the GSC's Uranium Reconnaissance Program geochemical survey in 1978, which indicated U, F and W anomalies associated with the Nisutlin Batholith, a number of areas were investigated for their uranium and tungsten potential, These include the Cold, Big Ox and Oxy Minfile occurrences (figure 3 after Deklerk and Traynor, 2004) all staked by Canadian Occidental in 1979.

Blackfox Minerals Ltd. recognised the potential of the area for intrusion related Au-W deposits, particularly replacement style deposits in sedimentary sequences. Blackfox carried out preliminary reconnaissance of the area as a YMIP funded project in 2002. The results of that work (Brownlee, 2002) narrowed the focus to the upper Canol Creek area for Au-W-As-Bi mineralization. The area was already of interest because of the Au-W-As-Sb RGS response that appeared to be derived from a magnetic low coincident with a mid-Cretaceous intrusion. The Blackfox work showed that other interesting quartz veined systems such as the Big Ox were not geochemically encouraging from a Au perspective.

The geochemical reconnaissance sampling of Blackfox Minerals is shown on figure 4 along with the RGS samples. The current field program was a follow-up program building on the Blackfox work. Blackfox Minerals Ltd. Is a 50% partner in the project.

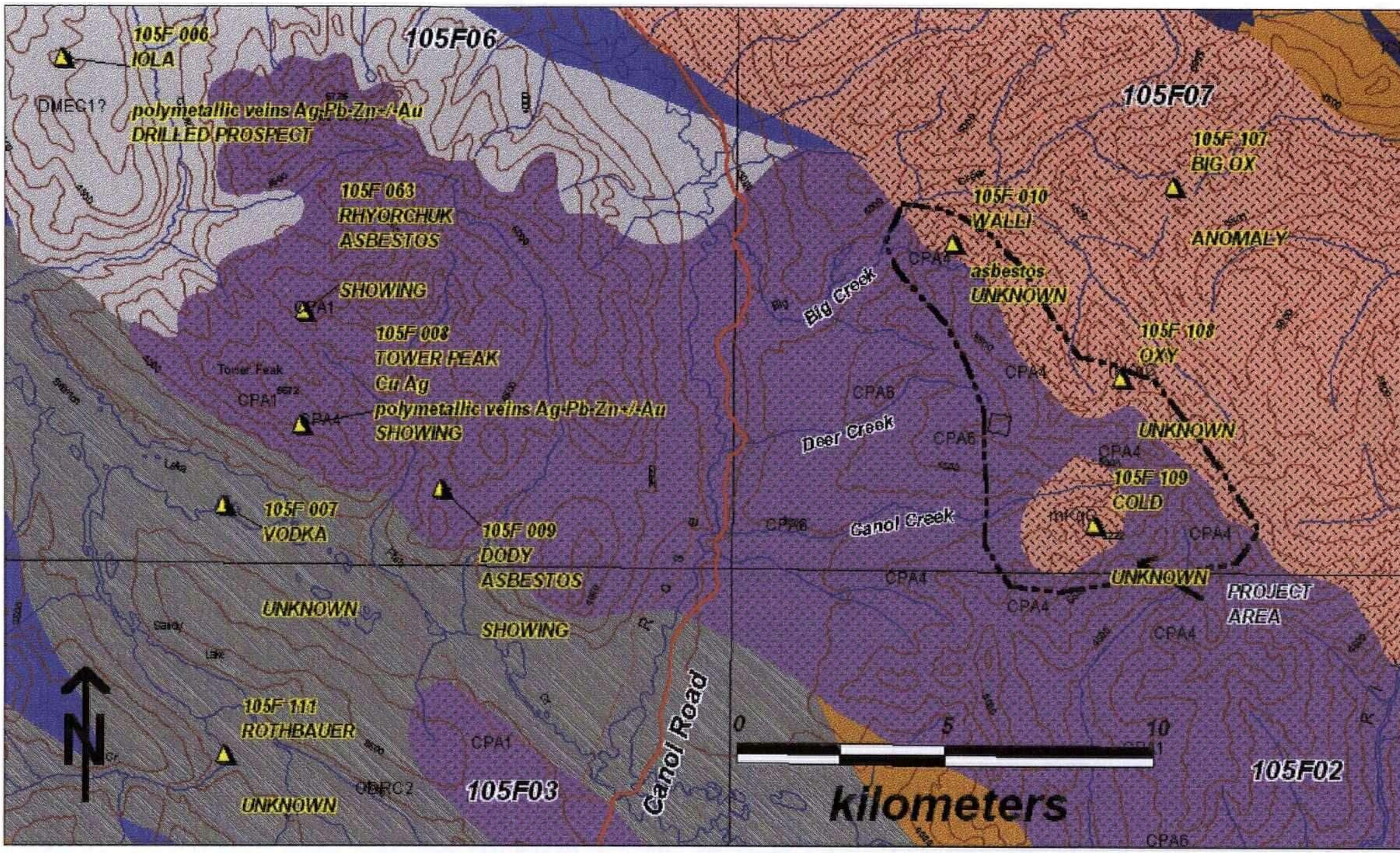

Figure 3. Regional geology and Minfile occurrences in the southern Rose River area of the Pelly Mountains. Minfile occurrences are shown as yellow triangles, the label for the occurrence shows, from top, Minfile number, name, major and minor commodities, deposit model and status after Deklerk and Traynor(2004). Geology is from Gordey and Makepeace (1999). ***Pink*** = the Nisutlin Batholith and related granitic rocks, ***purple*** = Anvil Allocthonous Assemblage (late Palaeozoic, mafic & ultramafic intrusive and volcanic rocks), ***brown***= Ingenika Gp. (Hadrynian, quartzite & schist), ***dark blue*** = Rosella Fm. (lower Cambrian, limestone), ***dark grey*** = Road River Gp.(Ord-Sil. Black shale & limestone), ***medium blue*** = Askin Gp. (Sil-Dev dolomite & quartzite) and ***light blue grey*** = Earn Gp (Dev & Miss, chert, chert clastics & black shale) the last 5 comprising the North American continental margin assemblage (the autochthon).

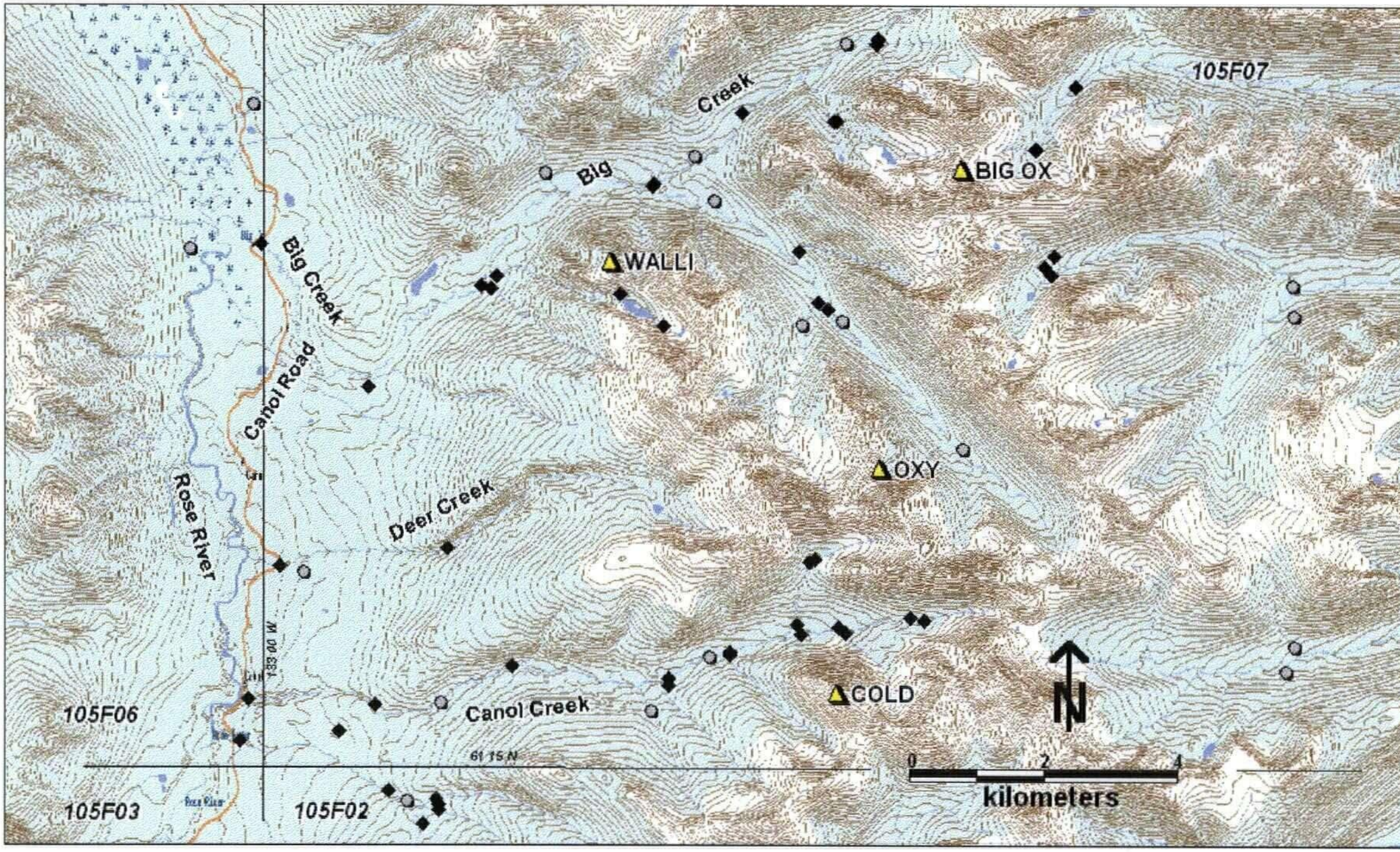

Figure 4. Locations of stream sediment samples available prior to 2004 (does not include samples from assessment reports by previous workers). Black diamonds are samples collected in 2002 by Blackfox Minerals Ltd. In a previous YMIP project (Brownlee, 2003) . Grey circles are RGS sample sites from Heon (2003). The base map is common to most figures in the report and is derived from the free National Topographic Database images available on NRCan's Toporama website (http://toporama.cits.rncan.gc.ca/toporama_en.html). The images are resized, registered and combined using Mapinfo. Contour interval is 100 feet. The image is comparable to a 1:50,000 topographic map.

4. Work Program

The 2004 work program was carried out in two episodes from July 13 to 21 inclusive and Sept 5 to 12 inclusive including mobilization and de-mobilization. Scheduling proved to be a challenge this field season because of the general lack of availability of helicopters as a result of forest fires. This resulted in general difficulties with coordinating schedules, a shorter field time within the project area than planned and more costly helicopter charges than budgeted because of longer ferry times.

The July field work was carried out in the northern part of the project area and consisted of prospecting and stream sediment sampling. Since a helicopter was not initially available work was first attempted from the highway using an ATV to assist access but this proved fruitless and little useful work resulted beyond collecting some silt samples and examination of a few outcrops in the Big Creek valley. When a helicopter became available on July 16th work was done out of a fly camp near a small lake in the upper Deer Creek valley. This was much more productive than traversing from the highway but the limited time remaining did not allow as detailed coverage of the area as was planned. A good understanding of the setting of the area and good stream sediment geochemical coverage of the granite area was achieved.

The September fieldwork was less constrained by logistic challenges and, other than snow on the first and last days, the weather cooperated. Work was done out of a fly camp in the upper Canol Creek valley in the south part of the project area. Contour soil sampling was completed along with prospecting and geologic observations during soil sampling. A few stream sediment samples were also collected along the soil sampling traverses. Sampling traverses were hampered by remarkably dense and twisted bush in the 100 vertical metres below tree line but an acceptable coverage of the target area resulted.

Figure 4 shows the locations of all silt samples and soil lines completed during the two work episodes. Plate I shows the locations of all soil samples in upper the Canol Creek valley.

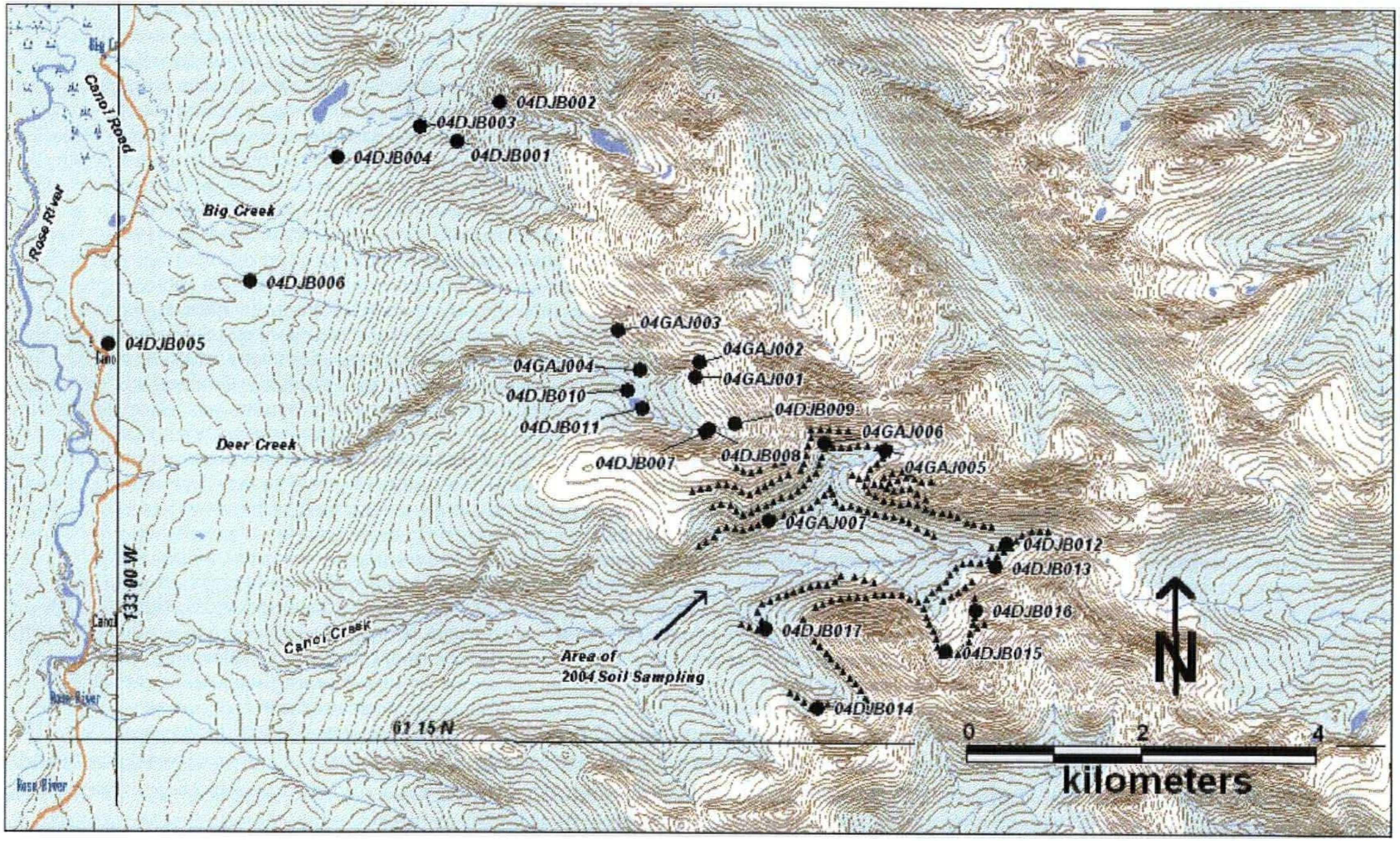

Figure 5. Locations of all silt and soil samples collected during the 2004 field season. See Plate I in pocket for detailed soil sample locations.

5. Methods and Procedures

a. Silt Sampling

Samples of stream sediment were collected from the active stream bed by hand. To maximize silt sized material coarse sediment was picked from the sample by hand but no sieving was done. Approximately 250 gm of material were placed in a labelled Kraft paper bag. In a few cases a small folding stainless steel shovel was used to assist in digging into the streambed but generally this was not necessary. In some cases the stream was nearly dry and the sediment collected was not in the active bed but was from a location that obviously had been active that season. A few sites had only coarse shale chips as the active sediment; in these situations recently active sediment caught in stream bank moss was collected.

Notes were made of sample site conditions including: stream width, depth, anecdotal flow velocity and temperature, water and sediment colour, sediment grain size, presence of staining and/or precipitates and any sources of contamination. Sample site locations were recorded by GPS and are considered accurate to within 5 to10 metres.

Samples were air-dried in camp and more completely air dried back in Whitehorse then shipped via Greyhound bus to the Vancouver laboratory of Acme Analytical Laboratories Limited.

b. Soil Sampling

Soil samples were collected from what appears to be the "B" horizon but in some cases the sample might be better characterized as "C" horizon. Samples were dug with a mattock and approximately 250 gm. of was soil placed in a labelled Kraft paper bag. Sample spacing was 100 m. along contour lines generally at even 100 m. vertical elevation intervals. Sample location was recorded by GPS and is considered accurate to 5 to 10 m.. One sampler used a GPS unit capable of displaying 1:50,000 scale contour maps along with position; this proved to be a very effective way of controlling line elevation drift. Plastic flagging with the sample number was placed at each sample site.

The B horizon consists of medium to dark brown, locally yellowish brown, silty, loamy and rarely clayey soil with abundant rock fragments and sparse rootlets. The B horizon is typically at 4 to 8 inches depth and overlain by very dark brown to black, mixed partially decomposed organic and mineral matter and one or more discontinuous layers up to 3 to 6 inches thick of white fine grained volcanic ash. A moss layer several inches thick typically overlies the soil.

Notes were recorded at each sample site of: slope, slope aspect, drainage, soil colour, soil moistness, soil texture and depth of sample.

Samples were air-dried in camp and more completely air dried back in Whitehorse then shipped via Greyhound bus to the Vancouver laboratory of Acme Analytical Laboratories Limited.

c. Analytical Methods

Samples were analysed at Acme Analytical Laboratories Limited in Vancouver. Samples were analysed using Acme's Group 1DX methodology with SS80 sample preparation.

Both silt and soil samples were prepared by oven drying at 60° C, disaggregating and sieving to –80 mesh.

For silt samples a 30 gm. spilt of the –80 mesh fraction of silt samples was digested in 180 ml. of mixed HCl and HNO_3 (aqua regia) at 95° for 1 hour. The leachate was diluted to 600 ml. and analysed by Inductively Coupled Plamsa – Mass Spectrometer (ICP-MS) for 36 elements.

For soil samples a 15 gm. spilt of the –80 mesh fraction of soil samples was digested in 90 ml. of mixed HCl and HNO_3 at 95° for 1 hour. The leachate was diluted to 300 ml. and analysed by Inductively Coupled Plasma – Mass Spectrometer (ICP-MS) for 36 elements.

Aqua Regia extraction is a strong acid digestion capable of decomposing carbonates and sulphides, most sulphates but only some oxides and silicates. The digestion is nearly total for most elements of interest but only partial for some elements reported such as Al, B, Ba, Ca, Cr, Fe, Ga, K, Mg, Mn, P, Sr, Th, Ti, U, V, W depending on the mineral species present. Hg and Tl may suffer some volatilization during extraction. Aqua Regia is not a total extraction for gold but is reported to average about 80% if encapsulation is not a problem.

d. QA/QC

A large sample of fine sand and silt from a bar beside the Rose River was homogenized and used as a blind blank and replicate. A sample of this material was inserted into the sample sequence after every 15 to 20 samples.

No replicate soil samples were collected along the soil traverses.

Additionally, for analytical QA/QC, Acme Analytical runs one internal standard (DS6) and blank (G1) with each set of 33 samples. One randomly selected sample is also rerun in each batch of 33 samples.

6. Geology

a. Regional geology

The south western Pelly Mountains are underlain by a deformed and metamorphosed late Precambrian and Palaeozoic North American continental margin sequence overthrust by Palaeozoic mafic and ultramafic and meta-volcanic rocks with associated meta-sedimentary rocks. Mid-Cretaceous granitic batholiths and related stocks and dyke complexes intrude the thrust-imbricated sequence.

The North American continental margin sequence consists of the following units (Gordey & Makepeace, 1999):

Ingenika Group	Hadrynian	quartzite, schist
Rosella Fm.	lower Cambrian	archeocyathid limestone and marble
Road River Gp.	Ord – Sil	black shale & siltstone, limestone
Askin Group	Sil – Dev.	dolomite, quartzite
Earn Group	upper Dev - Miss	black shale, chert, chert congl, grit & ss

The overthrust sequence comprises massive mafic meta-volcanics and amphibolite with isolated bodies of eclogite. Large bodies of serpentinized peridotite and dunite are widespread in this sequence. Argillite and chert are reported to be minor constituents of this assemblage.

The major intrusive of the region is the Nisutlin Batholith which consists of medium to coarse grained equigranular to porphyritic biotite granite, biotite +- hornblende quartz monzonite and granodiorite (Gordey & Makepeace, 1999).

b. Geology of the project area

Three major assemblages of geologic units occur in the project area. The structurally lowest unit consists of meta-sedimentary rocks of unknown affinity. This assemblage appears to be overlain by mafic and ultramafic rocks probably part of the Anvil Allocthonous Assemblage and both assemblages are intruded and altered by granitic rocks part of, or associated with, the mid-Cretaceous Nisutlin Batholith. Figure 6 is a compilation of geologic observations made while prospecting; it is not purported to be a geologic map.

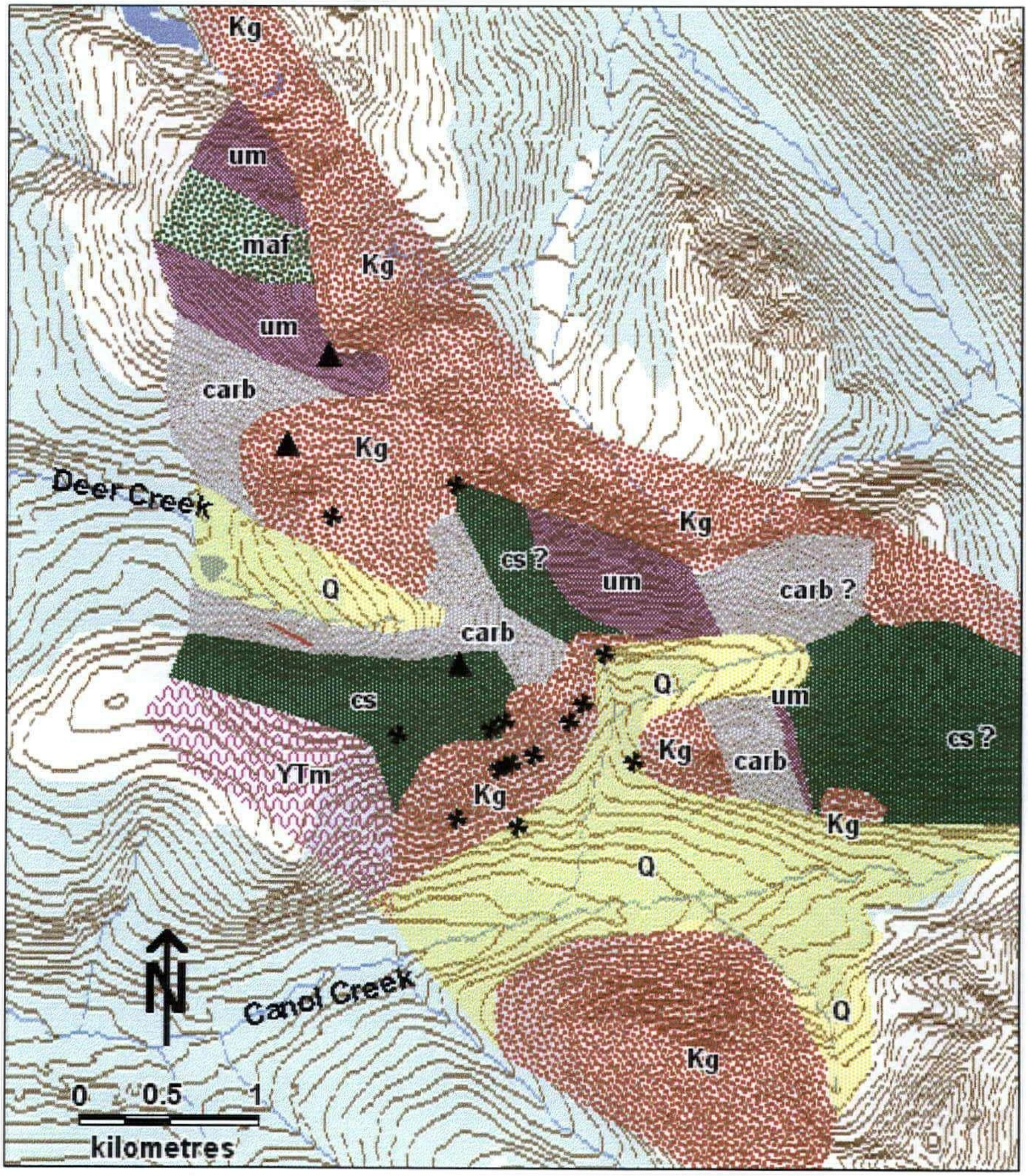

Figure 6. Compilation of geologic observations made while prospecting and soil sampling. See text for description of units. **Black triangles** = quartz + feldspar +- muscovite pegmatite or micro-pegmatite lenses (trace fluorite in micro pegmatite on ridge between Canol and Deer Creeks). **Black crosses** = vein quartz float. **Red streak** in "carb" unit on slope south of Deer Creek is Green Giant skarn.

i. Carbonaceous Argillite ("carb")

The structurally lowest and presumably oldest unit in the area is a sequence of black siliceous argillite. The unit is generally fissile, laminated and very dark coloured. The rocks typically contain a few percent iron sulphide as pyrite or pyrrhotite and typically weathers with rust coloured surfaces. The unit contains sparse, thin, medium grey, laminated limestone bands. The unit is moderately to strongly hornfelsed and can be quite hard but no alumino-silicate prophroblasts were seen.

North of Deer Creek the unit consists of fissile, laminated, dark grey to black carbonaceous, siliceous shale to slate with a rusty brown weathering patina. It appears less hornfelsed than on the slopes south of Deer Creek.

In the headwaters of the southwest flowing tributary to Canol Creek the unit was only inferred to be present based on a rusty weathering colour viewed from a distance.

The affiliation of this unit is not known. It may represent the Earn Group black shales in the hornfels zone of the granitic intrusive or it may represent the argillite sequences noted to occur in the Anvil assemblage. No chert clast bearing clastic rocks were seen in this unit nor was stratiform barite noted with certainty.

ii. "Calc-silicate" rocks ("cs")

This unit consists of very fine grained, very hard, grey, purplish brown, crème and light green variably banded rocks. Rocks of this unit have a characteristic thin white weathering rind and common relief weathering. The unit contains minor disseminated pyrite or pyrrhotite. A slight calcite content was noted locally and rarely the rocks contain relief weathering calcareous lamina. These rocks can be very hard and commonly have a "glassy tinkle" underfoot. The hardness and fine grain size is suggestive of meta-chert but the characteristic rough, off white weathering rind suggests there is a constituent other than quartz present.

The affiliation of this unit is also unknown other than it is clearly related to underlying carbonaceous argillites with which it is interbedded.

The units noted as cs? are of uncertain correlation. Rocks of these areas share characteristics of both this unit and the "carb" unit in a more strongly hornfelsed state. The more easterly areas are inferred from a distance.

Unit "YTm" may be a textural variant of "cs" as it appears to contain similar rocks but has a more common foliated, mylonitic looking, flaser texture. Also included in this unit is fine-grained biotitic quartzite, possible quartz bearing meta-volcanics and foliated mafic meta-intrusive.

iii. Ultramafic rocks ("um")

This unit consists of massive to slightly foliated, dark green-grey, dense serpentinized rocks probably derived from peridotites. Rocks of the unit commonly have a rough, dun coloured weathering surface. Some variants of this unit appear to be composed of densely packed fine-grained rosettes of green-grey actinolite. Diabase occurs locally in the unit.

A common minor constituent of this unit, particularly near contacts, is a very coarse mottled white and black rock that appears to consist of light greenish grey plagioclase and black hornblende. This unit appears to be a mafic pegmatite or hydrothermally altered and recrystallized rock derived from the mafic and/or ultramafic rocks.

iv. Mafic rocks ("maf")

This unit appears to be associated with the ultramafic unit. The dominant lithology is a blocky, massive, very fine grained, black, sucrosic textured rock that superficially resembles a meta-chert but grades into coarser versions with clear relict igneous texture. It is thought to be a mafic volcanic, possibly with coeval intrusive phases. The unit is unfoliated and extensively crackle veined with thin white feldspar (?) veinlets.

v. Granitic rocks (Kgr)

The typical granitic rock of the Deer Creek basin and north side of Canol Creek consists of blocky, massive, coarse to medium grained biotite granite. The unit generally contains white k-feldspar phenocrysts up to 3 cm. long. The rock consists of 20-30% clear and smoky grey, anhedral quartz, 60-80 % white feldspar (most as groundmass feldspar but about ¼ as phenocrysts) and 5 -10 % black biotite.

The intrusive body south of Canol Creek the may represent a different phase since it appears to be finer grained and more equigranular, generally lacking phenocrysts.

Within and near the granitic rocks are dikes of fine-grained, massive, sucrosic textured, light crème coloured, aplite. Locally the aplite contains minor disseminated pyrite and pyrrhotite. Some aplite bodies contain thin lenses of micropegmatite. The lenses are parallel to the aplite contacts and about 1 to 2 cm. thick with comb textured euhedral quartz and feldspar and a central cavity. Local fluorite was noted. Aplite float is widespread but minor in the granitic area of upper Deer Creek and locally this material is associated with float of coarse pegmatitic quartz and feldspar vein material. Minor muscovite but no other minerals such as beryl or tourmaline were noted.

Contacts of the granitic body on the ridge east of upper Deer Creek are sharp and flat lying but descend into the valley of Deer Creek in a series of stepwise pitches and flats. The Deer Creek body is assumed to extend beneath the ridge between Deer and Canol Creeks and connect with the similar body north of Canol Creek. On the ridge between Canol Creek and its southwest flowing major tributary, the contact of the granitic body is sharp, abrupt and near vertical; it may be faulted. Most of the contact of the large granitic body on the slopes east of the Canol and Deer Creek basins was not directly observed and is inferred from the regional mapping.

vi. Mineralization

Locations of the aplite associated pegmatite veins noted above are shown on figure 6. Several other quartz vein float occurrences were noted to contain very minor pyrite or arsenopyrite in the Deer Creek basin.

The quartz veins near the top of the granitic body underlying the ridge between Deer and Canol Creeks are worthy of separate note. These veins are best developed near soil station 1068 and consist mainly of coarse milky white quartz with traces of pyrite. The orientation of the veins is not well known as no good exposure was seen but they appear to be sub-vertical. Veins up to 30 cm. thick were seen but most appear to be smaller. The lateral extent is unknown. No sheeted zones or stockwork system of significance was seen associated with the veins.

In the Deer Creek valley a potentially significant skarn occurrence was found. This skarn like body is up to several m. thick and has been traced for about 250 m. trending about 135° and dipping steeply SW. The skarn appears to be developed in a grey laminated limestone bed but little of the limestone is preserved near the showing. The skarn mineralogy is uncertain but appears to consist of coarse radiating rosettes of actinolite near its contacts passing inwards to convergent radiating aggregates and compact masses of moderately hard, dense, brownish pistachio green mineral, possibly epidote. The blades of the green mineral converge on patches of vuggy white euhedral calcite that is associated with small (generally 3mm. or less) aggregates or dodecahedrons of bright green garnet. The overall impression is of a nearly complete vug filling texture with the calcite and garnet the final phases. Minor fluorite and a few specks of molybdenite were noted with the calcite.

The garnets are the primary interest in the skarn, while small, the intense colour and brilliant lustre of the garnets suggests there may be gemstone potential. A large vug about 25 cm. in diameter was found in one outcrop. The vug contains coarse-grained euhedral quartz and the largest garnet dodecahedrons. Though the garnets are still small, vugs of this sort have potential for coarser garnet that needs to be investigated further.

The skarn occurrence was staked on the last day of the July field program. None of the work constituting this program was done on the claim.

7. Geochemical Results

a. Sampling and Analytical Reliability

The standards and blanks reported by the analytical lab (G-1 and DS6) gave excellent reproducibility.

One sample in 33 was redone by the laboratory and generally gave excellent reproducibility as shown for selected elements in Figure 7. Au showed greater variability than the other elements perhaps due to the nugget effect despite using a large sample size (15 gms. for the soils and 30 gms. for the silts).

A local material, a fine sand from an over bank deposit along the Rose River, was homogenized and submitted with every 15 to 20 samples as a blind blank. The results of analysing this material were generally reproducible in most elements but one sample (# 1000) stands out (Figure 8). This sample is high in several metals including Cu, Mo, As and to a lesser extent Zn, Ni, Bi and Sb. This phenomenon may be due to sample homogeneity problems or sample cross contamination during analysis or sample preparation. The latter possibility is suggested since the previous sample in the sequence was high in the same elements however homogeneity problems are more likely.

Some metals, particularly those generally subject to the nugget effect such as Au and W, also gave less reproducibility for the blank than is desirable (Figure 8). This is likely due to the small size of the sample splits available from the blank material, generally less than half the size of the split used for the regular samples. In retrospect the blank material chosen was not a good one as it had relatively little –80 mesh material in the sample. As a result it is not clear that this issue will affect the soil samples as strongly as the blanks since the soils and silts use much larger splits.

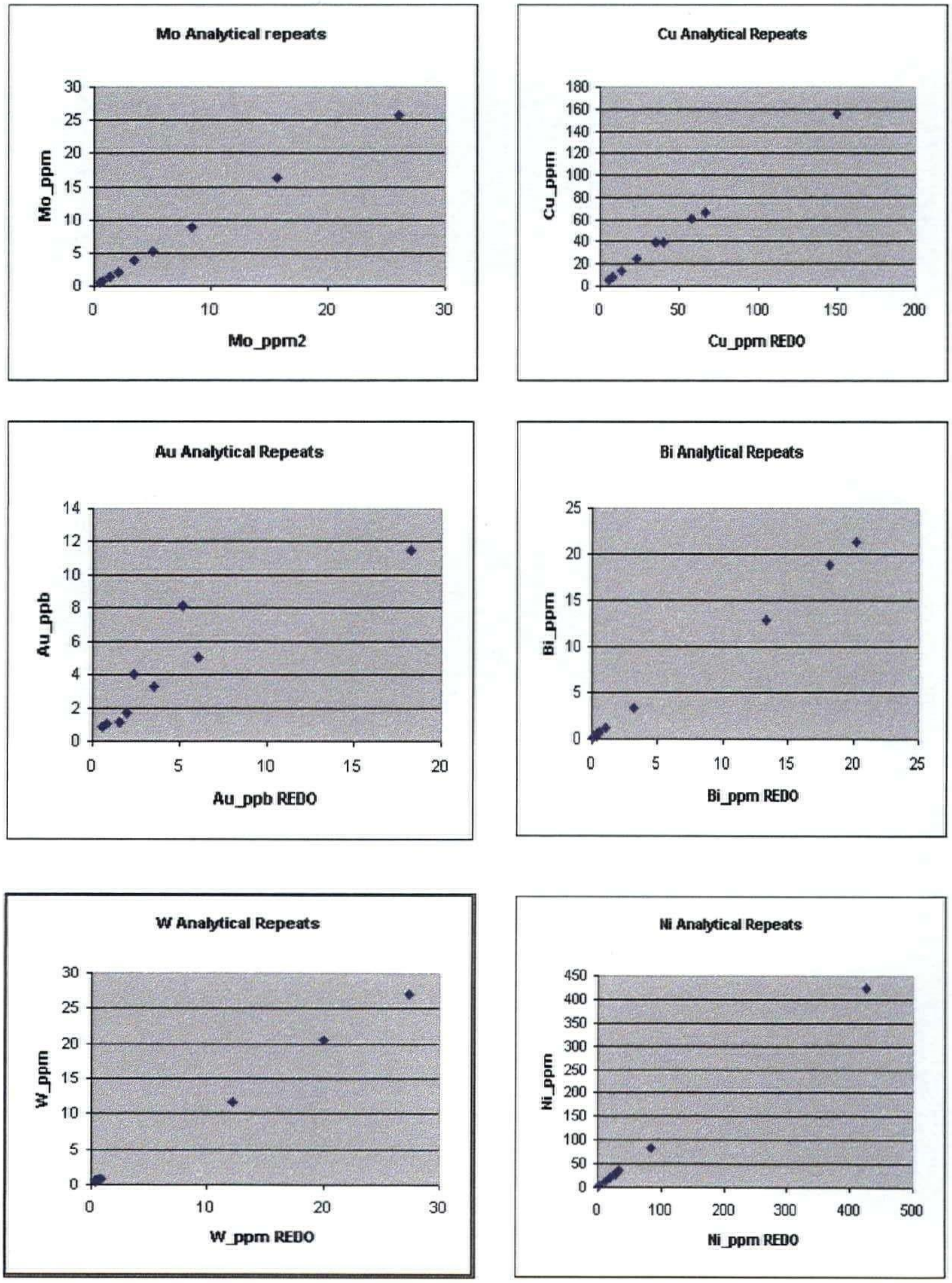

Figure 7. Analytical replicates for Canol Creek soils.

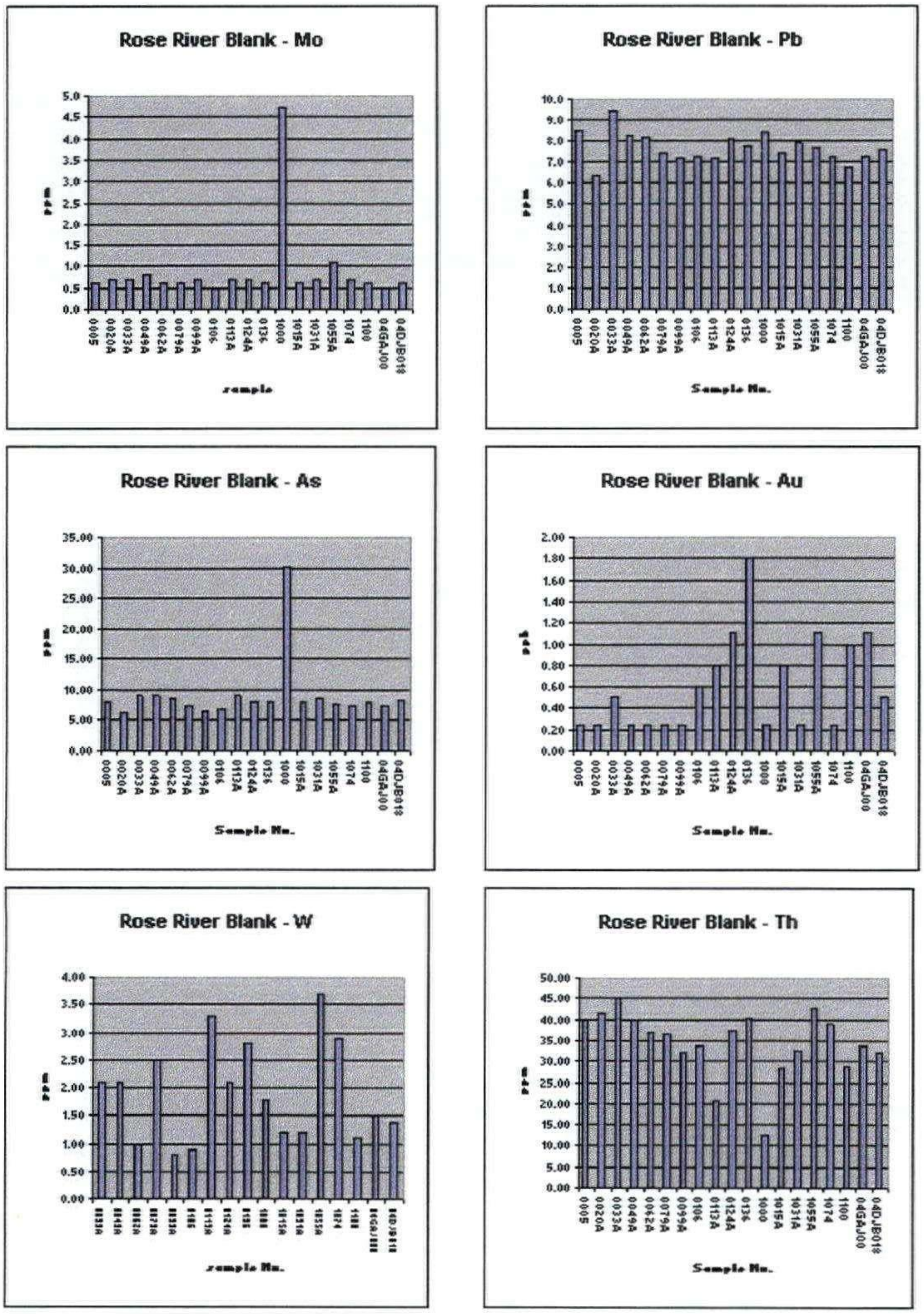

Figure 8. Results of replicate analyses on blind blank sample

a. Silt Sampling

i. Statistical Analysis

Only 24 stream sediment samples were collected in 2004. This small number of samples is not sufficient to carry out meaningful statistical analysis. The symbolic classes on maps in figures 9 thru 29 are based on Mapinfo's "natural break" feature for creating thematic maps. It is the author's experience that this is generally an acceptable breakdown of geological samples with a reasonable geometric distribution commonly resulting. In some cases the class boundaries were modified to better reflect the distribution of the 2002 Blackfox samples or create a better geometric distribution.

The distribution of sample results in this small population can be appreciated by examination of the legend of each map (Figures 9 thru 29). The number in parentheses after the values range in the legend is the number of samples in that class out of the total of 24 samples (where the file is "silts04" – two elements, Th and Hg, actually show the distribution of the 2002 silts since there were empty classes in "silts04").

ii. Interpretation

Au results show a low and fairly consistent response in both upper Canol and Deer Creeks. The results appear to be of little value in directing further exploration beyond the suggestion that the southeast part of the project area may require additional prospecting. Potential pathfinders W, As and Bi suggest the area of interest may be further upstream than the target intrusive in upper Canol Creek or may actually be in upper Deer Creek in the case of Bi and W. This pattern becomes clearer in the context of the soil results.

Mo results are interesting in that they clearly point to upper Deer Creek as the focus of interest (fig. 13) rather than any part of the Canol Creek drainage. The values for Mo in upper Deer Creek are fairly high and suggest additional prospecting in that area is needed. The distribution of anomalous results for Mo as well as W and Bi in upper Deer Creek suggest that the area of interest is not necessarily in the intrusive but in the surrounding country rock. Of interest in that context is the occurrence of sparse flakes of MoS_2 and fluorite in the Green Giant skarn. The RGS data also point to this area above most others in and near the Nisutlin Batholith due to a high response in the creek draining northeast into the Big Creek basin (fig. 14). This anomaly was not confirmed with the more detailed sampling in 2002. A sample could not be collected in 2002 at the same location as the RGS sample and the main creek may influence the 2002 sample since it is very close to the junction of the two creeks.

Higher Sb and Pb silt results are very strongly clustered in the uppermost part of the Canol Creek basin (Figures 16 & 17) although the values are not strongly anomalous. The source of the anomalies appears to be in the metasediments east of the southern extension of the ultramafics (not shown on figure 6 but visible from across the valley and encountered along soil sample lines). Cu, As and Ag reinforce this tendency but are also not very strongly anomalous. The association of Pb, Sb, Cu, As, Au and Ag suggests a system involving sulfosalt mineralization could be the source of the weak anomalies.

Higher Zn, V and Se samples are clearly clustered in areas of carbonaceous argillite and suggest the source is likely higher background typical of this lithology. The higher V results in upper Deer Creek are of potential interest since V is responsible for the green colouration of some garnets.

Similarly, higher Ni, Cr and Co strongly point to ultramafic units as would be expected from the geochemistry of these lithologies. The strong response for Ni in the small northeast flowing tributary to the Big Creek basin may appear odd considering the distance from the ultramafics but there is a large rock glacier of dun weathering ultramafics in that valley bottom.

U and Th return the highest results in silts collected from drainages dominated by granitic rocks. Again this would be expected for this lithology. The association of U with the granitoid rocks of the Nusutlin Batholith is particularly clear in the RGS results for the region (fig. 28) and the more detailed sampling reinforces that association.

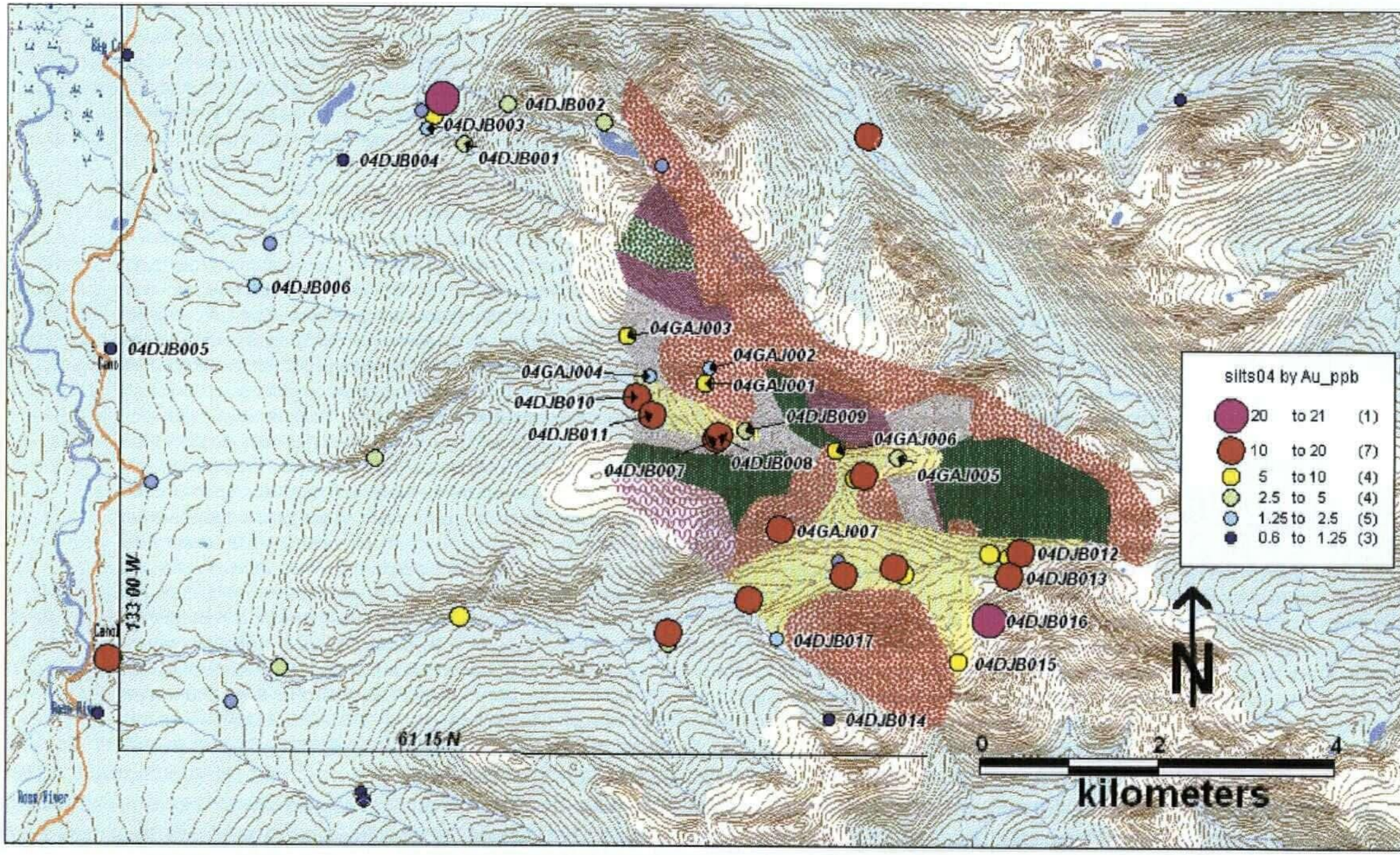

Figure 9. Stream sediment sampling results for gold. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals (see fig 4 for creek names and fig 6 for geology). The silt results show a low and very uniform Au response in the 10 to 20 ppb range throughout the upper Canol and Deer Creek drainages. The isolated high value in the north part of the area is in Big Creek. The sample is also high in W but lacks the associated As-Bi pathfinder response to the south and may be enhanced by stream processes. The anomalous sample has not been followed up beyond the added 2004 sampling.

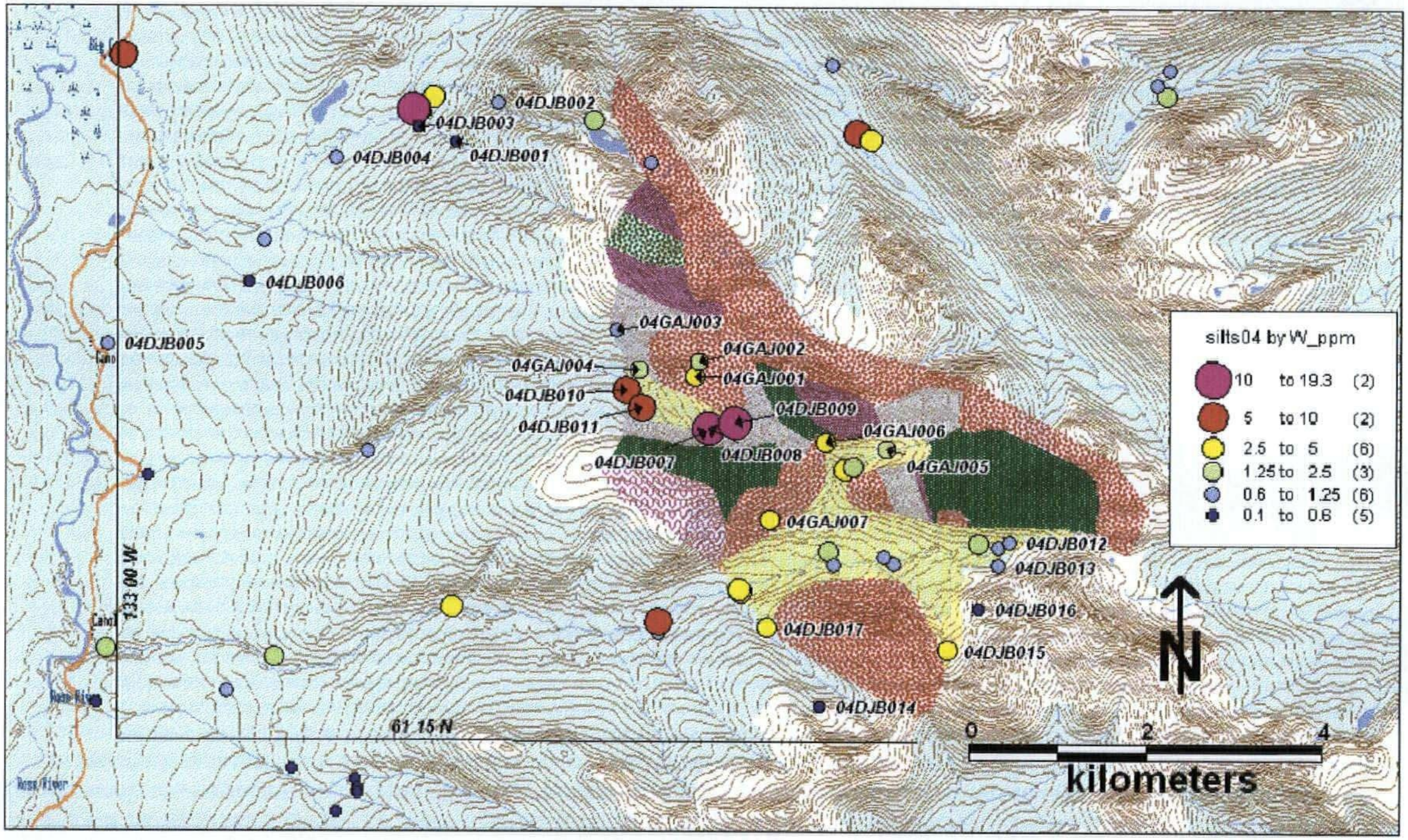

Figure 10. Stream sediment sampling results for tungsten. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. (see fig 4 for creek names and fig 6 for geology). W, while weakly anomalous in the upper Canol Creek Basin where Au id high, is clearly more significant in the upper Deer Creek basin similar to Mo (fig.10) and to a lesser extent Bi (fig. 9).

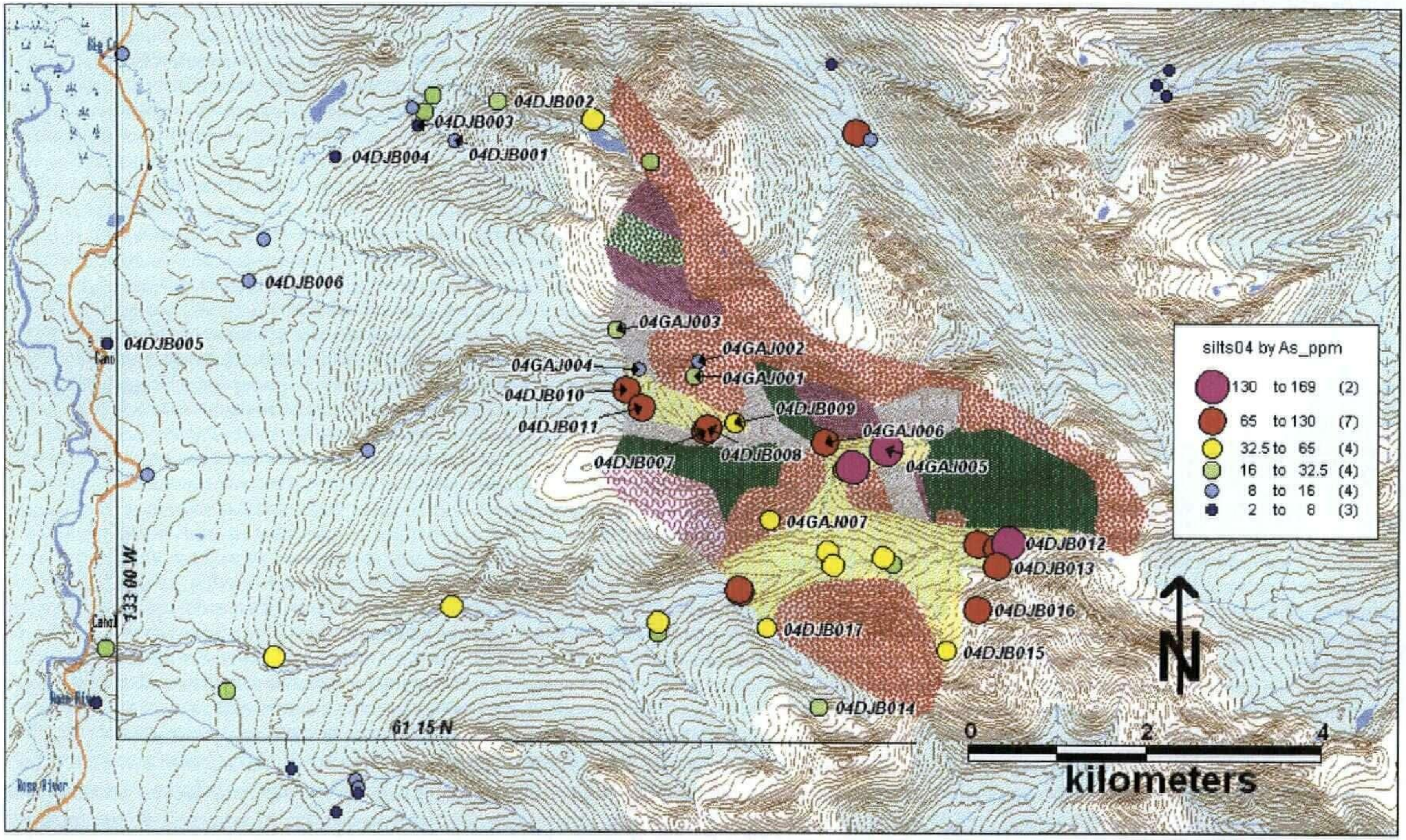

Figure 11. Stream sediment sampling results for arsenic. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. (see fig 4 for creek names and fig 6 for geology). As appears to be derived from the area east of the Canol Creek intrusive. This relationship is more clearly displayed in the soil sample results.

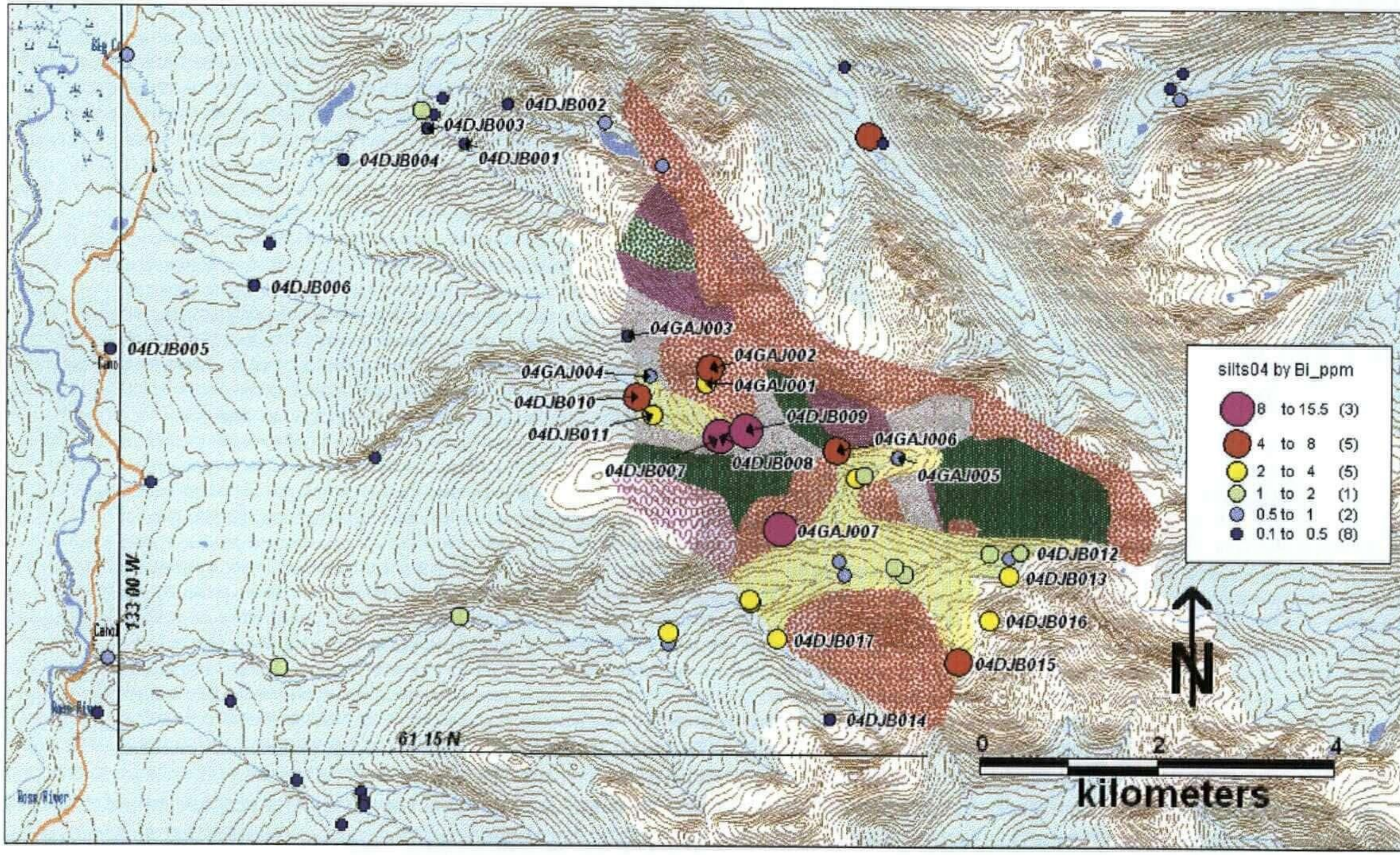

Figure 12. Stream sediment sampling results for bismuth. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. (see fig 4 for creek names and fig 6 for geology). Bi anomalies clearly point to the intrusive beneath the ridge between upper Canol and Deer Creeks. The intrusive here is a K-feldspar porphyrobsastic biotite quartz monzonite – granite and is different from the intrusive south of Canol Creek which is less K-feldspar rich and more equigranular.

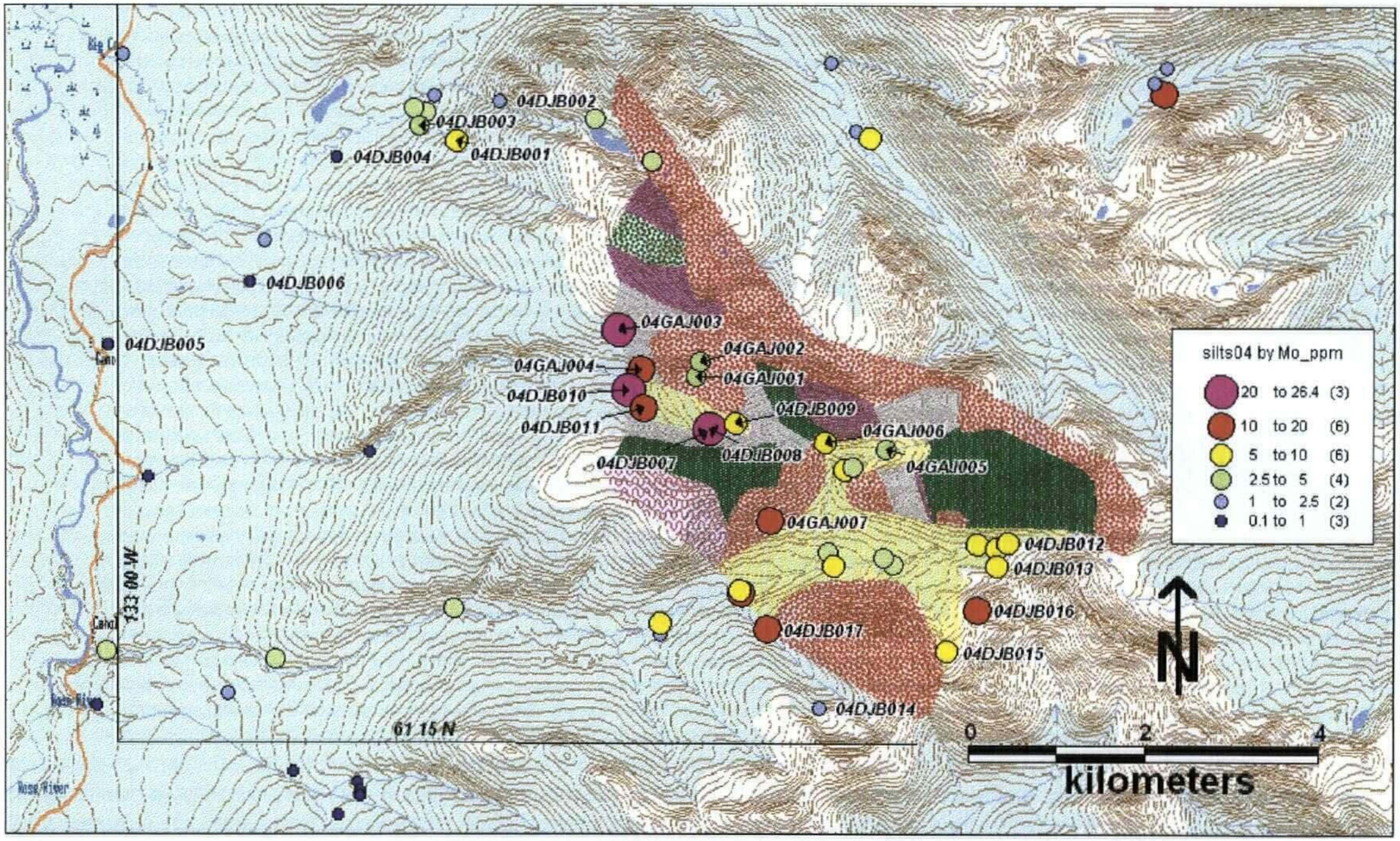

Figure 13. Stream sediment sampling results for molybdenum. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. These results strongly point to the area surrounding the intrusive in upper Deer Creek (see fig 4 for creek names and fig 6 for geology). The upper Deer Creek area is also high in Bi and W. The Green Giant skarn contains minor MoS_2 and fluorite.

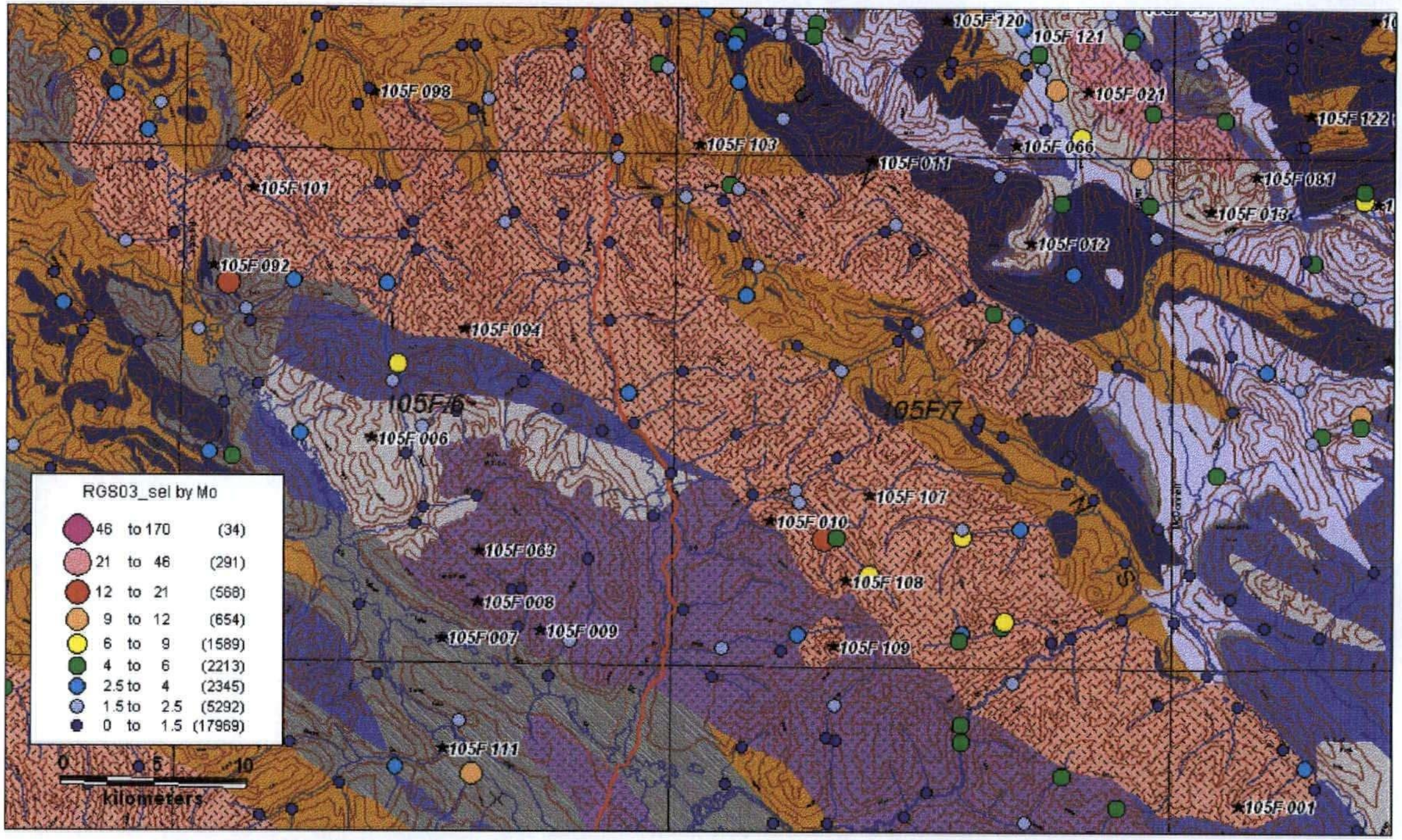

Figure 14. RGS stream sediment sampling results for molybdenum in the region surrounding the project area. The Nisutlin Batholith is the large pink body trending from NW to SE, colours are as explained in figure 3. The creek draining northeast from the ridge northeast of the upper Deer Creek basin clearly stands out compared to the Mo response for the bulk of the Nusutlin Batholith. The 2002/4 data suggest the upper Deer Creek area is more important for Mo.

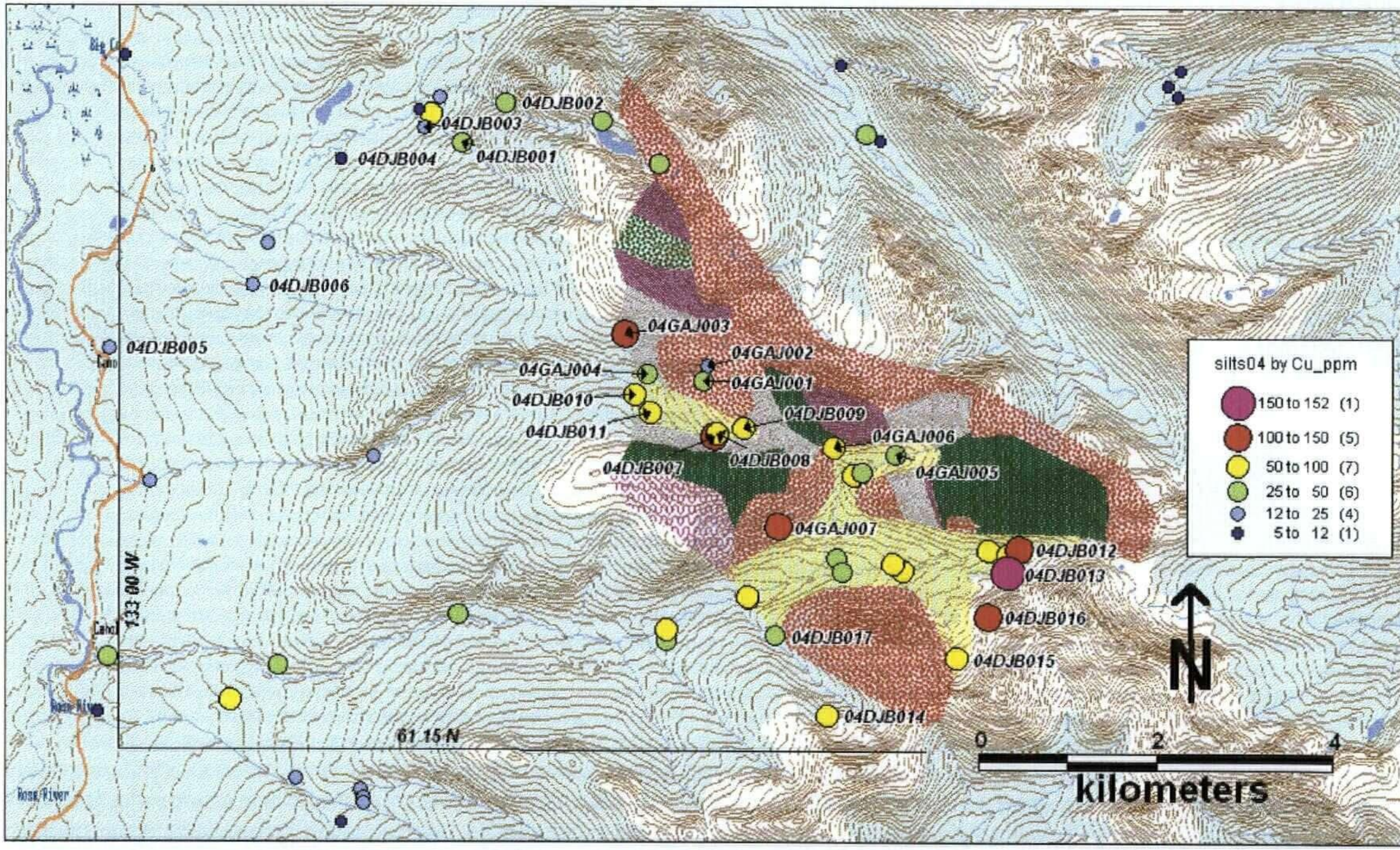

Figure15. Stream sediment sampling results for copper. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. (see fig 4 for creek names and fig 6 for geology). No significant anomalies appear to be present however the Cu data point to the area SE of the 2004 work area in uppermost Canol Creek where Pb, Sb and several other elements are also weakly anomalous

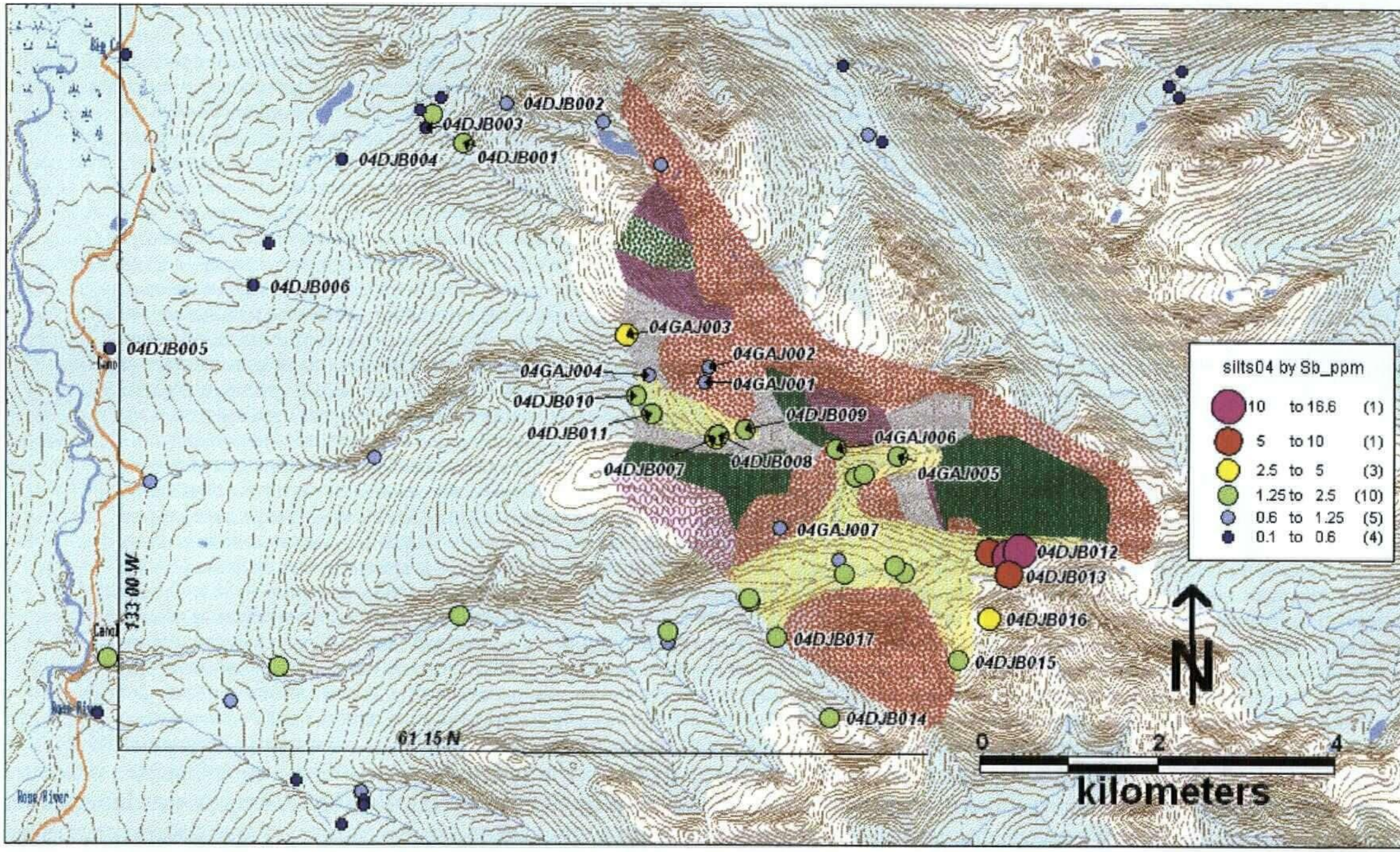

Figure 16. Stream sediment sampling results for antimony. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. (see fig 4 for creek names and fig 6 for geology). The more anomalous results for Sb closely follow those for Pb and cluster at the extreme SE edge of the work area where several other elements are also anomalous. The source area appears to be from meta-sediments E of the southerly extension of the ultramafics N of Canol Creek.

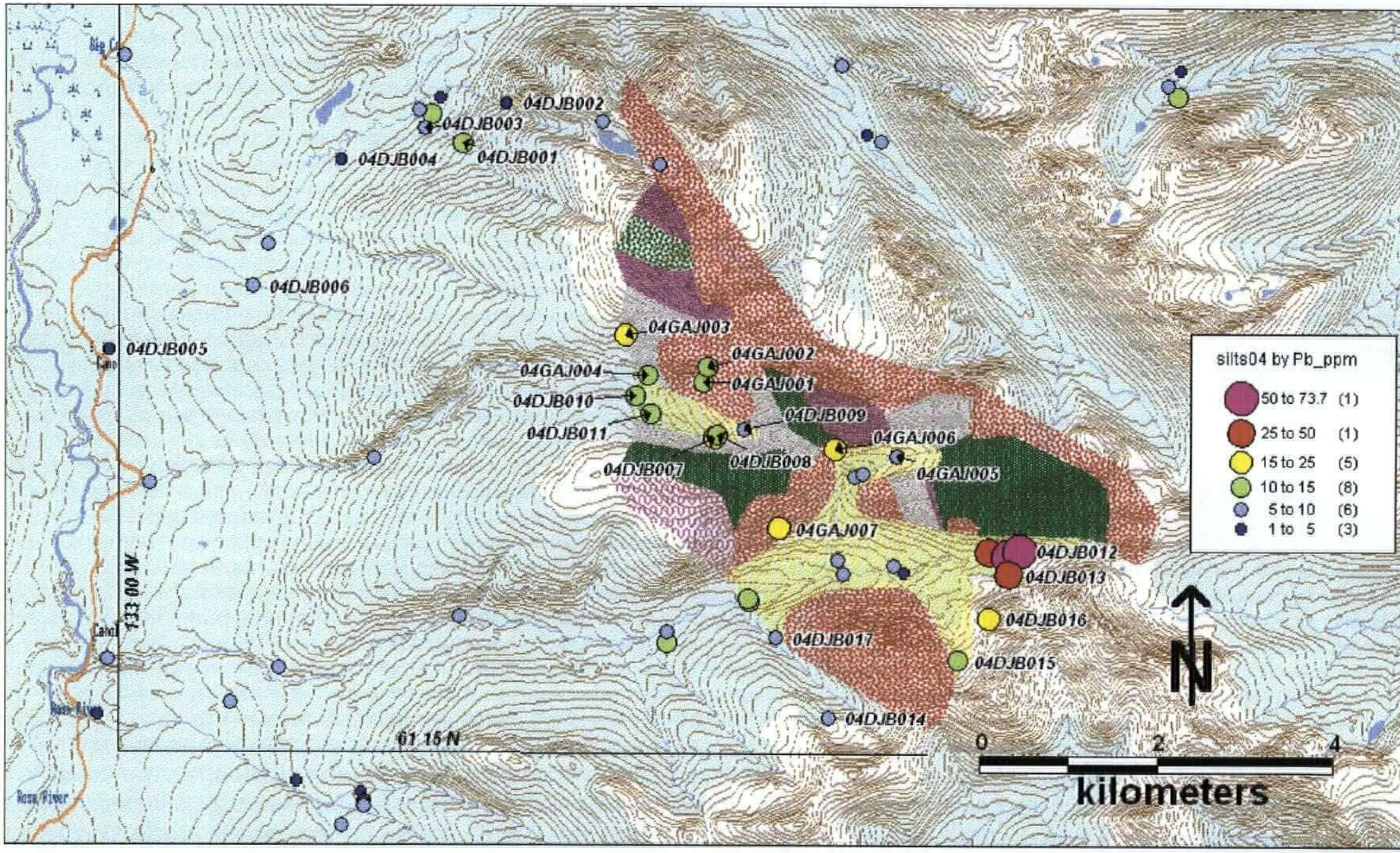

Figure 17. Stream sediment sampling results for lead. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. (see fig 4 for creek names and fig 6 for geology). The strongly clustered Pb response on uppermost Canol Creek closely follows Sb. While the anomalous Pb samples cli\uster strongly they are not stongly anomalous in the 25 to 75 ppm. range.

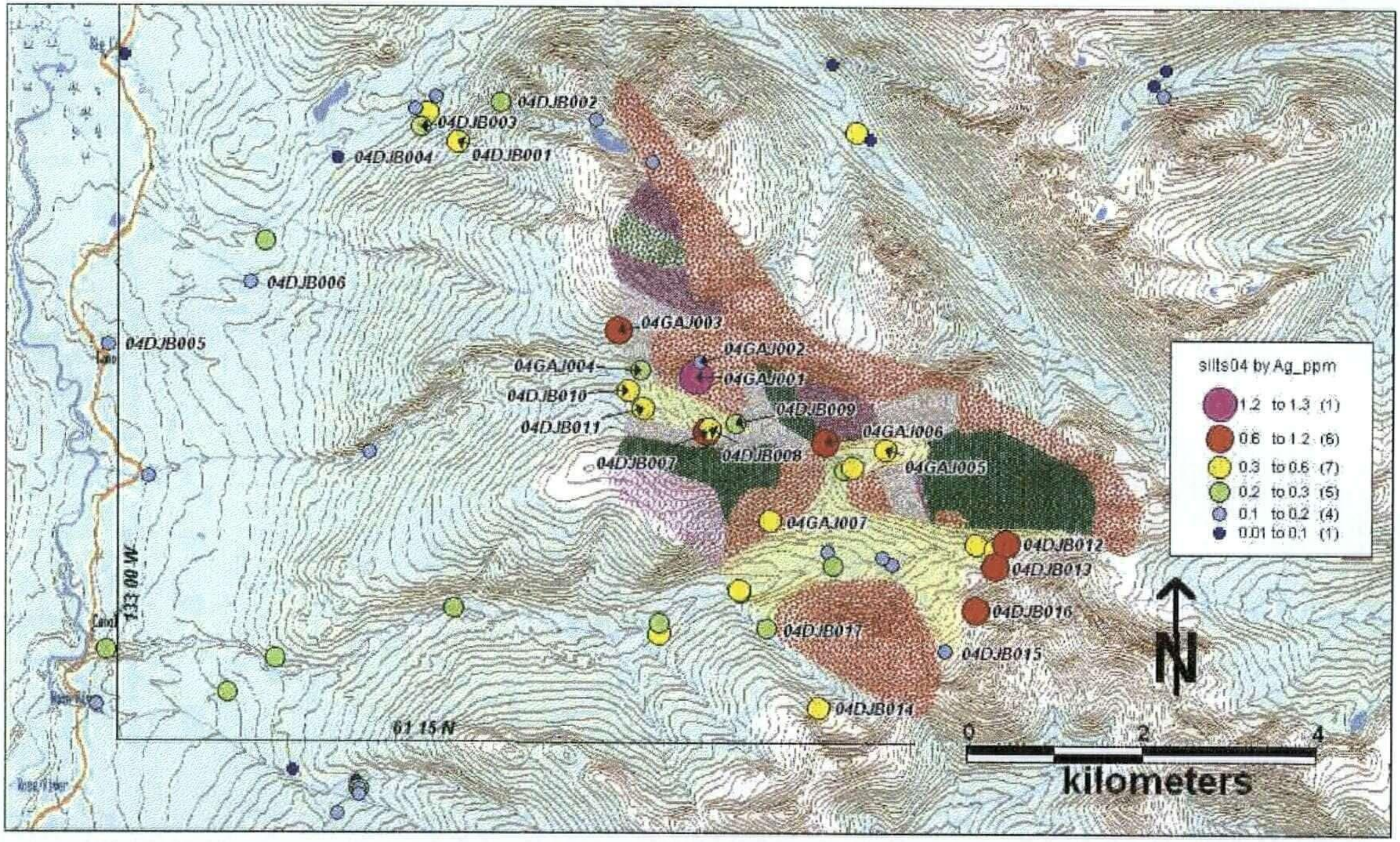

Figure18. Stream sediment sampling results for silver. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. (see fig 4 for creek names and fig 6for geology). No significant trends other than a very weak reinforcement of the Pb-Sb response in uppermost Canol Creek.

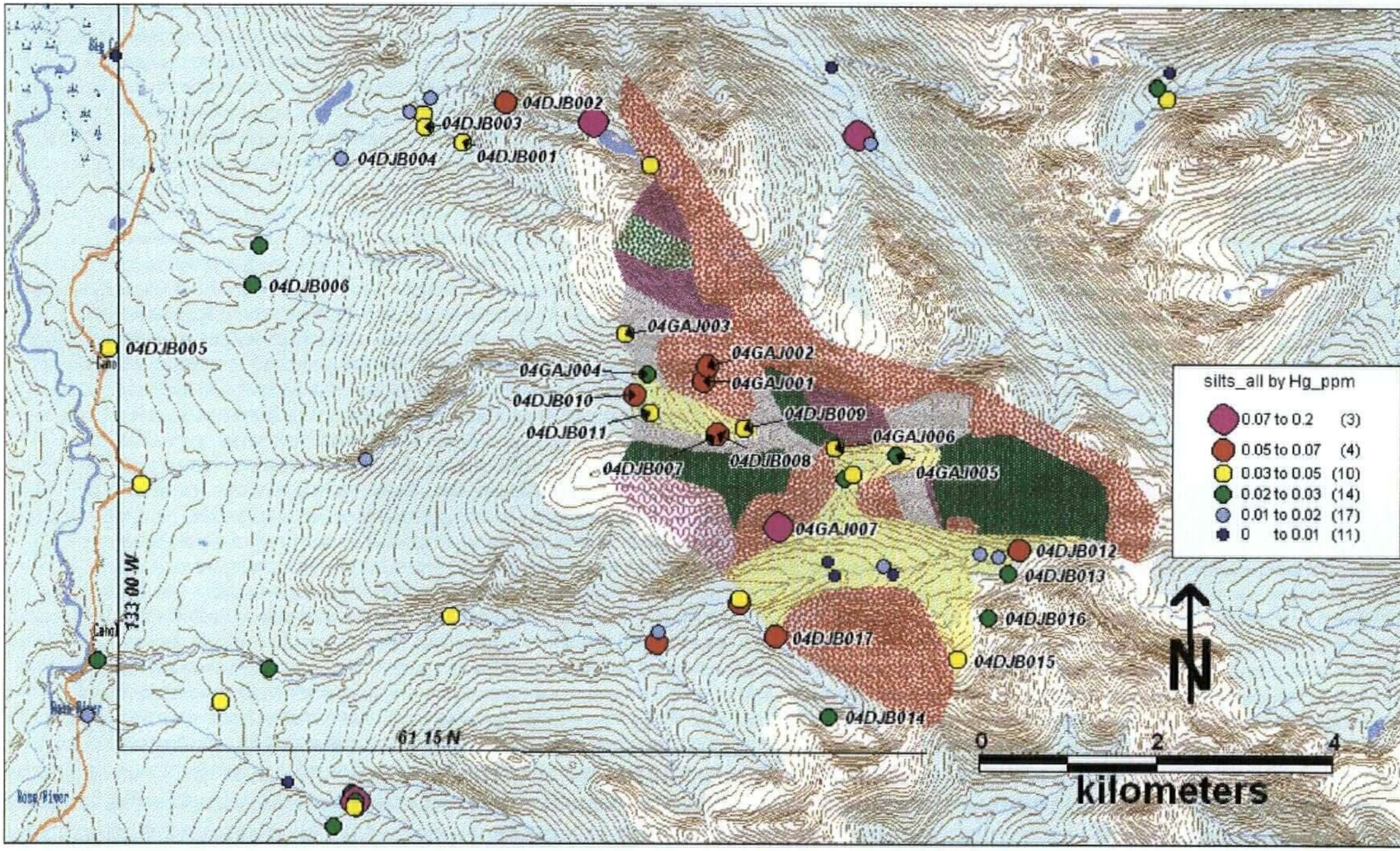

Figure19. Stream sediment sampling results for mercury. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. (see fig 4 for creek names and fig 6 for geology). The Hg results show no readily discernable trends other than a possible relationship to the ultramafic clan (Ni-Cr-Co).

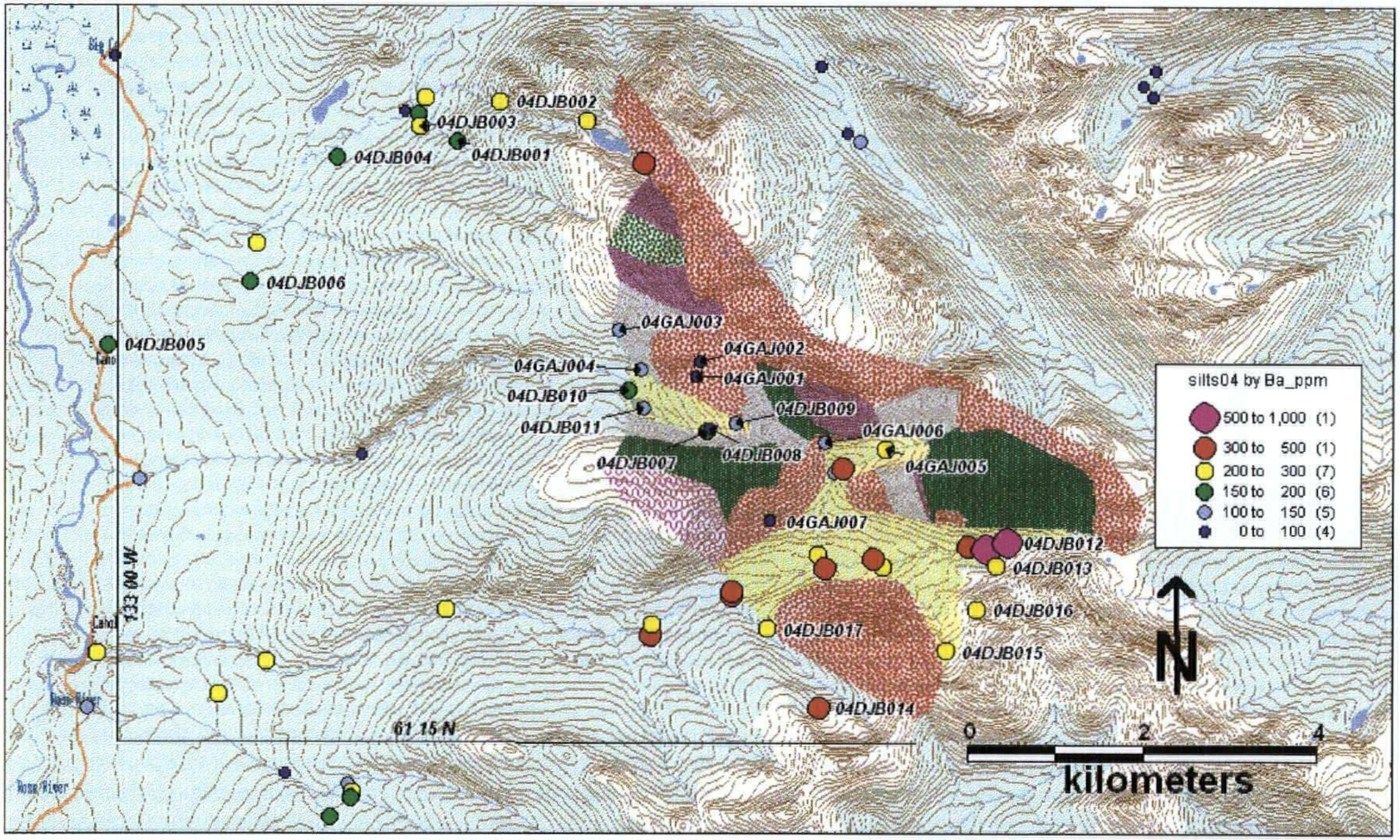

Figure20. Stream sediment sampling results for barium. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. (see fig 4 for creek names and fig 6 for geology). The results for Ba weakly reflect the Pb response in uppermost Canol Creek. The weak response over the carbonaceous argillite unit (carb, in lt grey) might be construed to argue against this sequence representing the Earn Group.

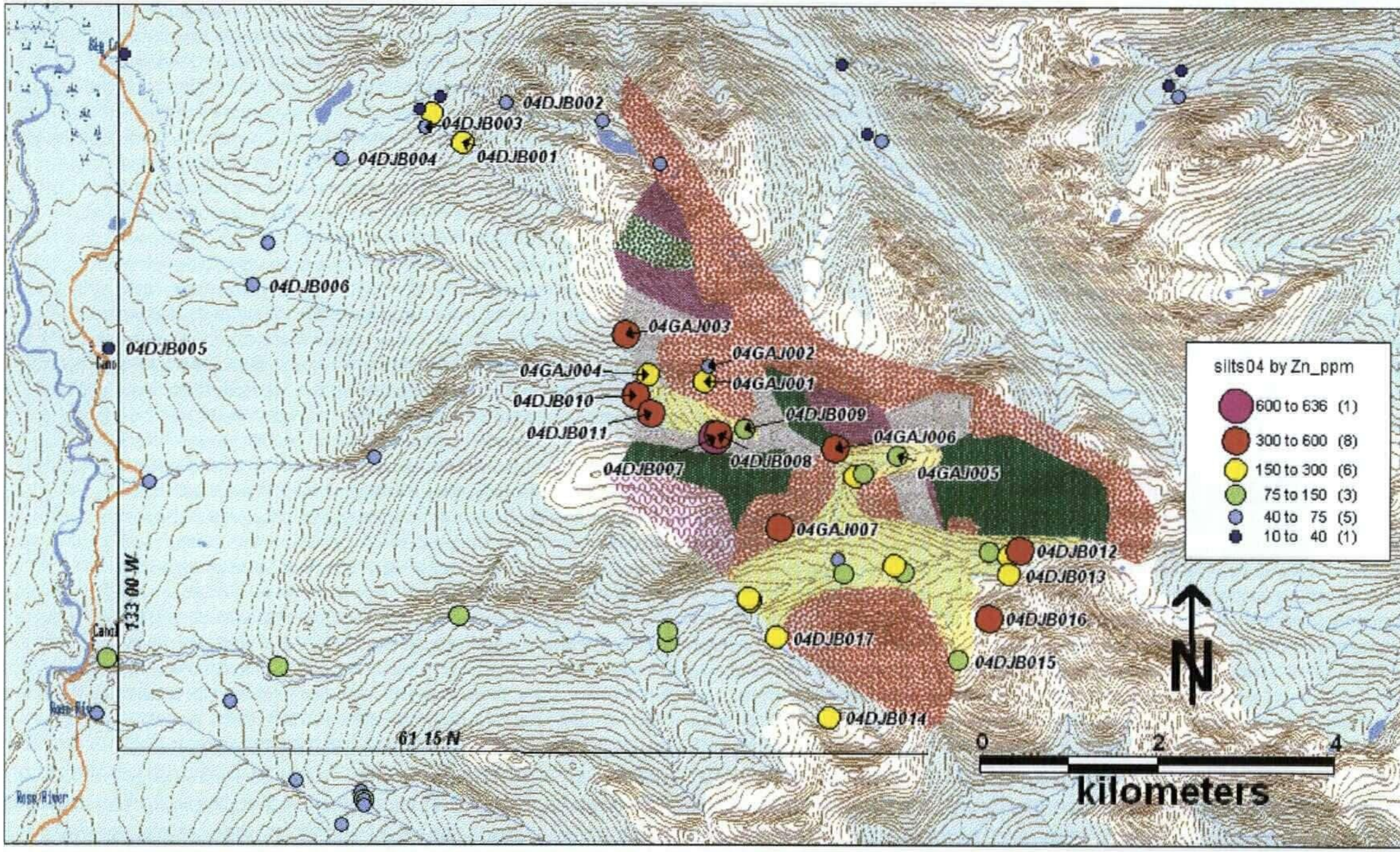

Figure 21. Stream sediment sampling results for zinc. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. (see fig 4 for creek names and fig6 for geology). Higher Zn results, like V (fig. 22) and Se (fig. 23) seems to reflect the carbonaceous argillite unit.

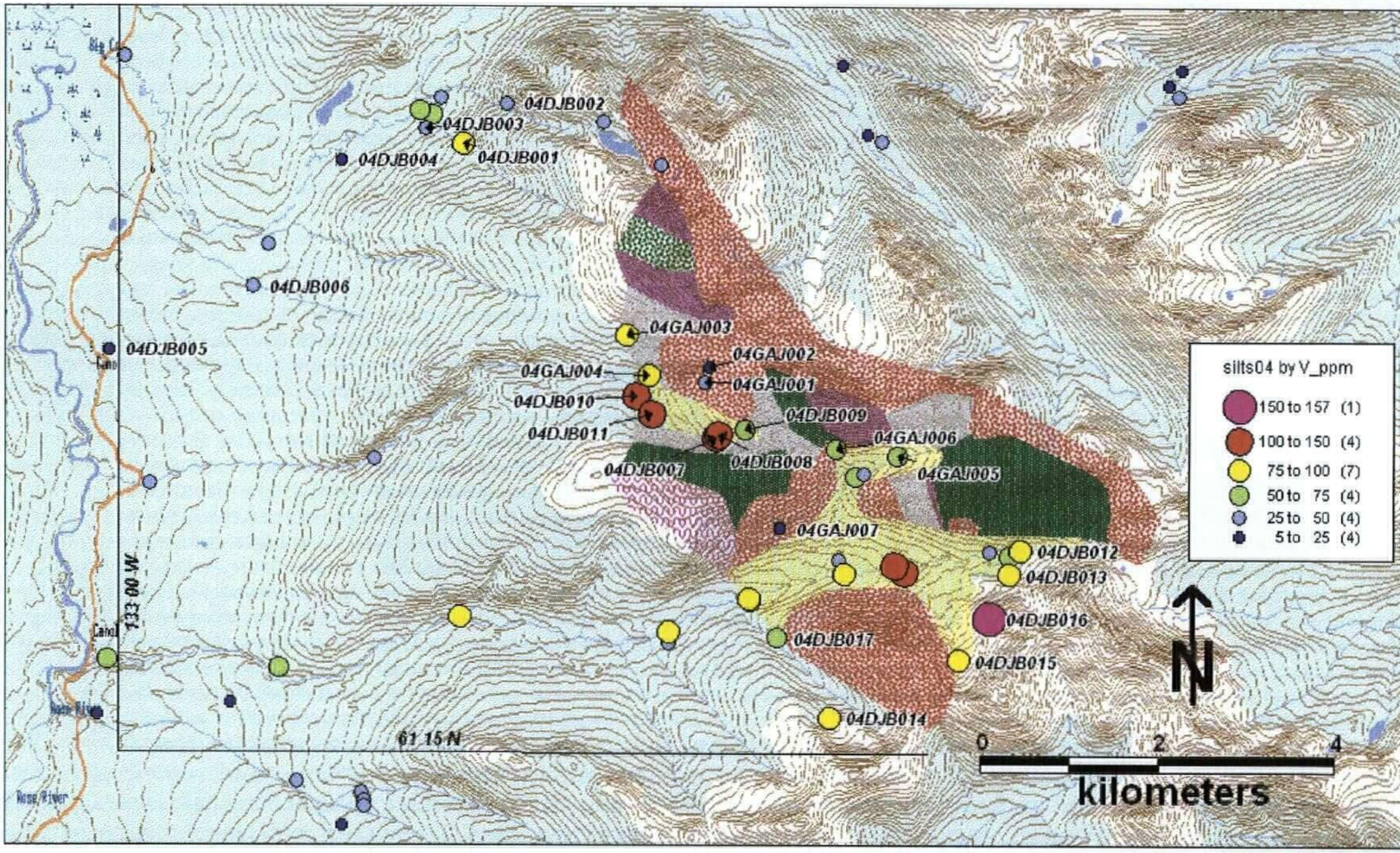

Figure 19 Stream sediment sampling results for vanadium. The results shown are for all the 2004 field seaso6 samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. (see fig 4 for creek names and fig 5 for geology). The higher V response closely follows the carbonaceous argillite unit.

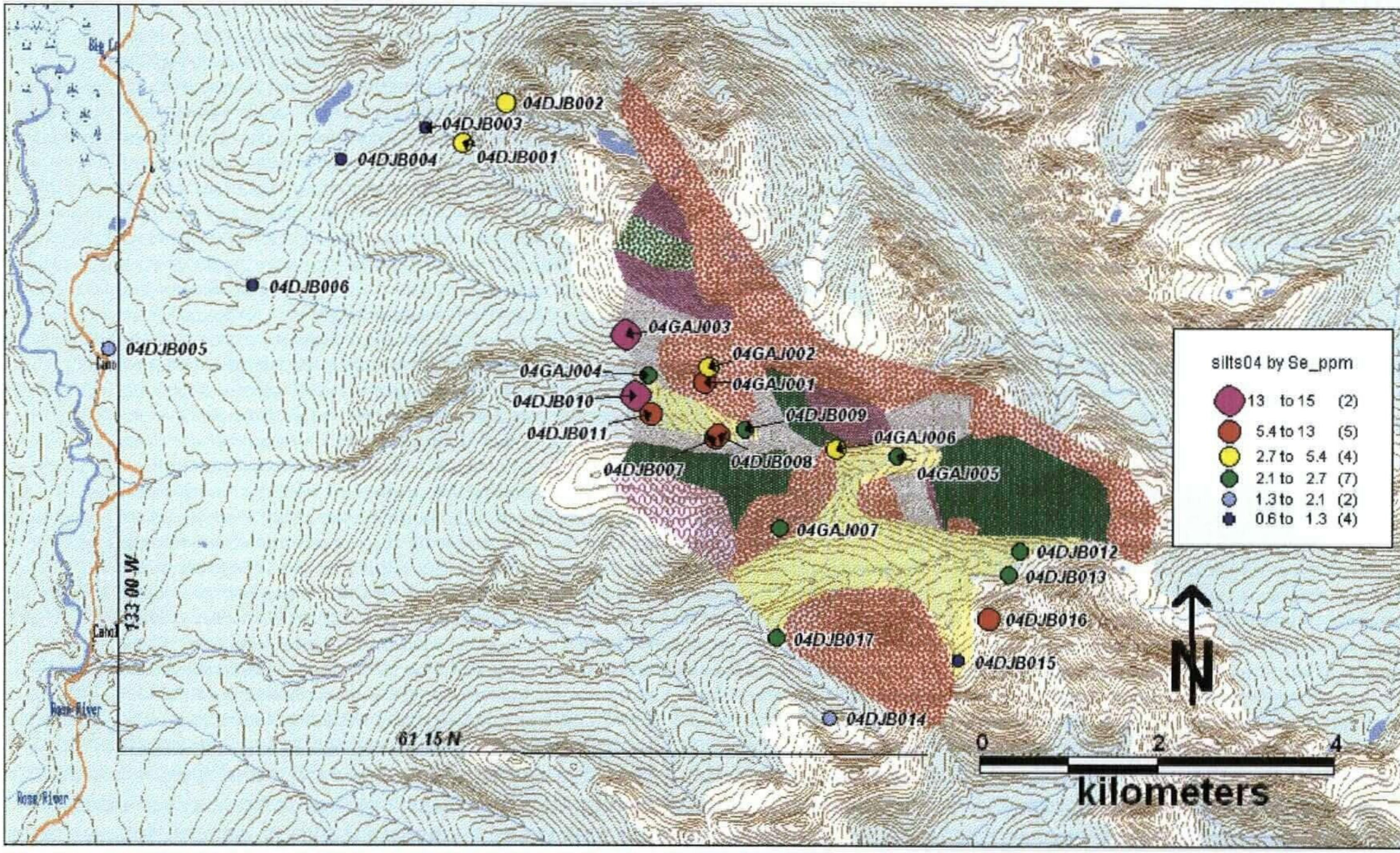

Figure 23. Stream sediment sampling results for selenium. The results shown are for all the 2004 field season samples, Se was not analyses for 2002 season samples by Blackfox Minerals. (see fig 4 for creek names and fig 6 for geology). Higher Se also appears to correlate with the carbonaceous argillite unit as do Zn and V.

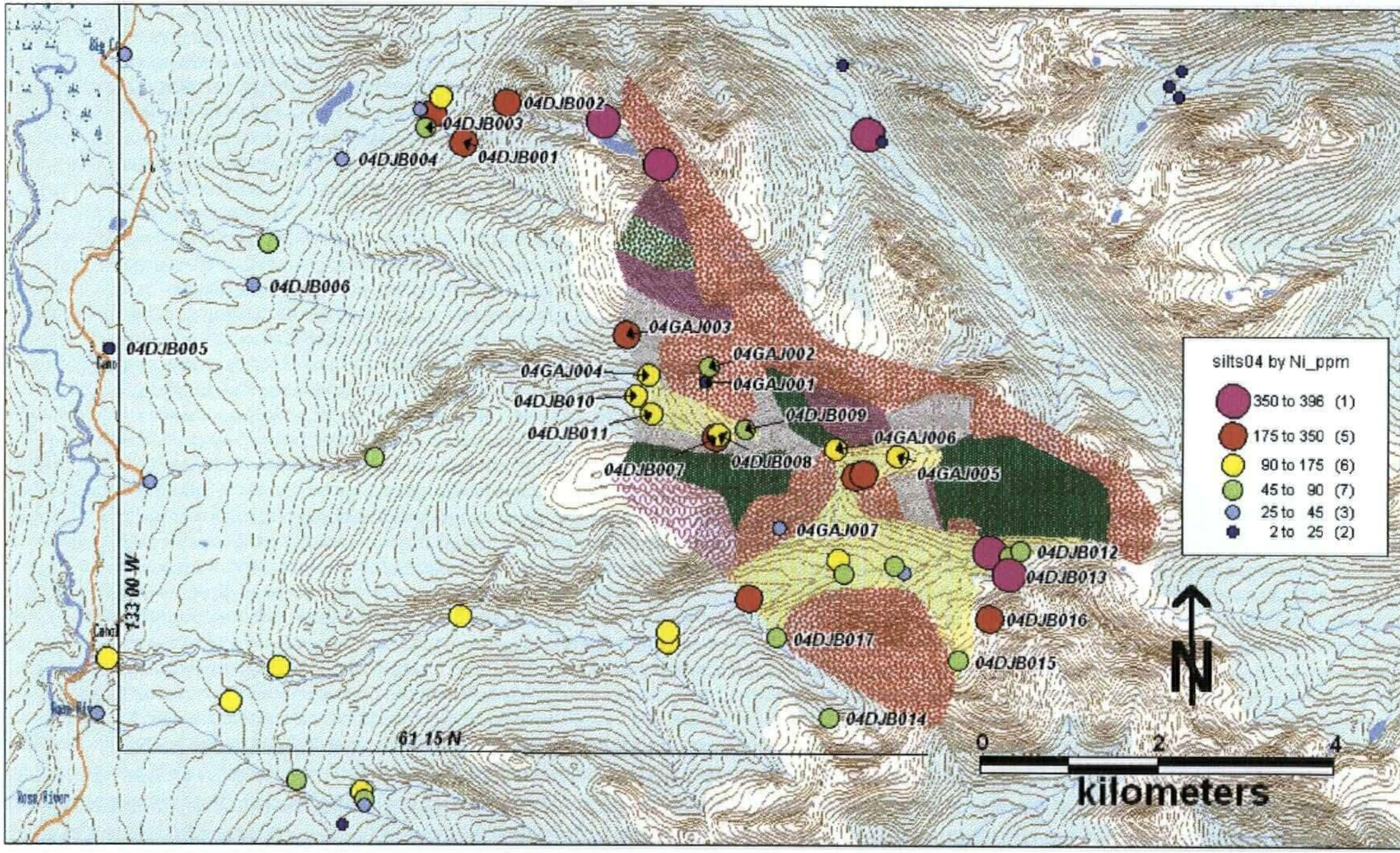

Figure 24. Stream sediment sampling results for nickel. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. (see fig 4 for creek names and fig 6 for geology). Ni, like Cr and to a lesser extent Co, is high in areas of ultramafic rocks as would be expected for that lithology.

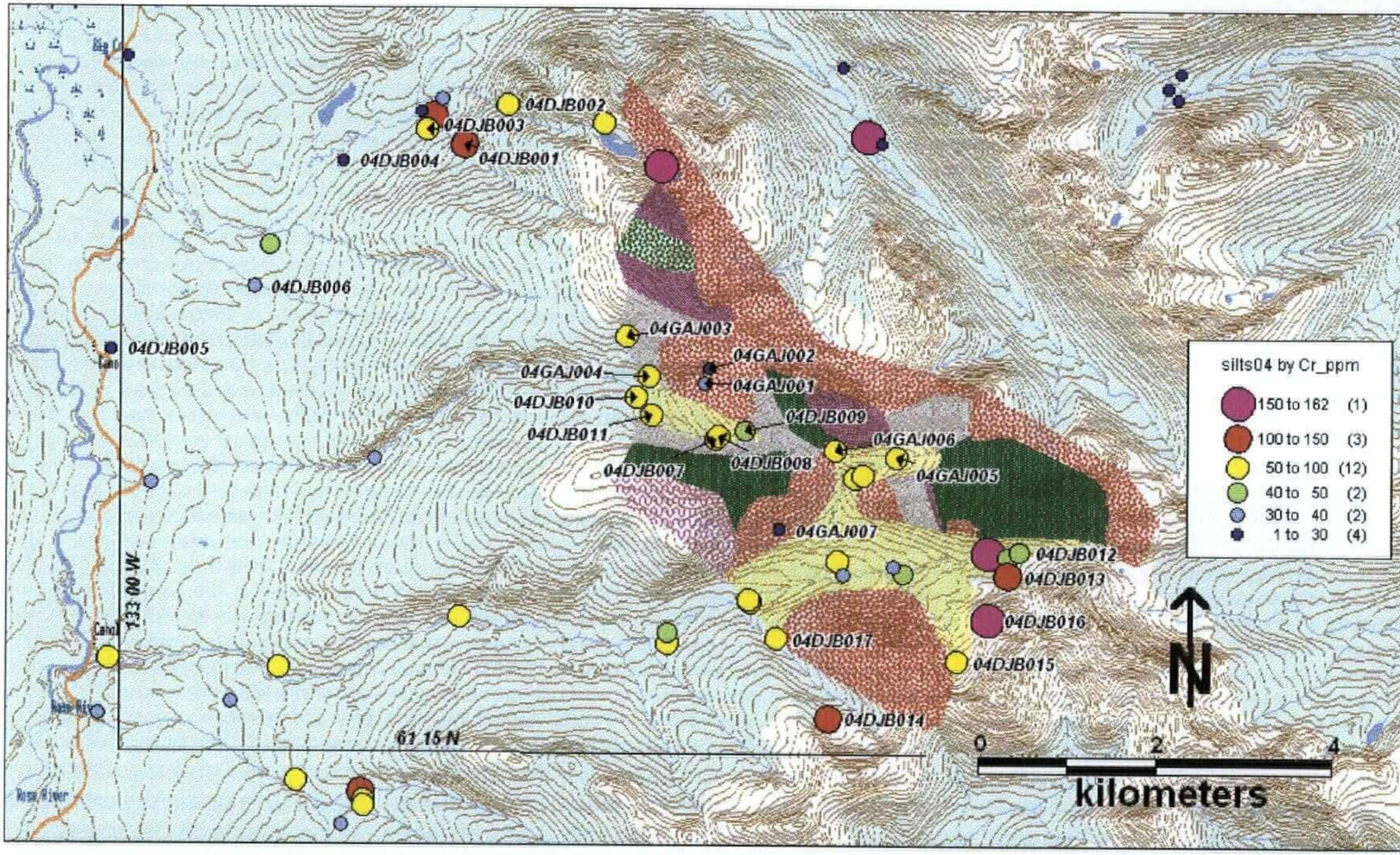

Figure 25. Stream sediment sampling results for chromium. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. (see fig 4 for creek names and fig 6 for geology). Higher Cr response favors areas of ultramafic rocks but the results are not extraordinarily high.

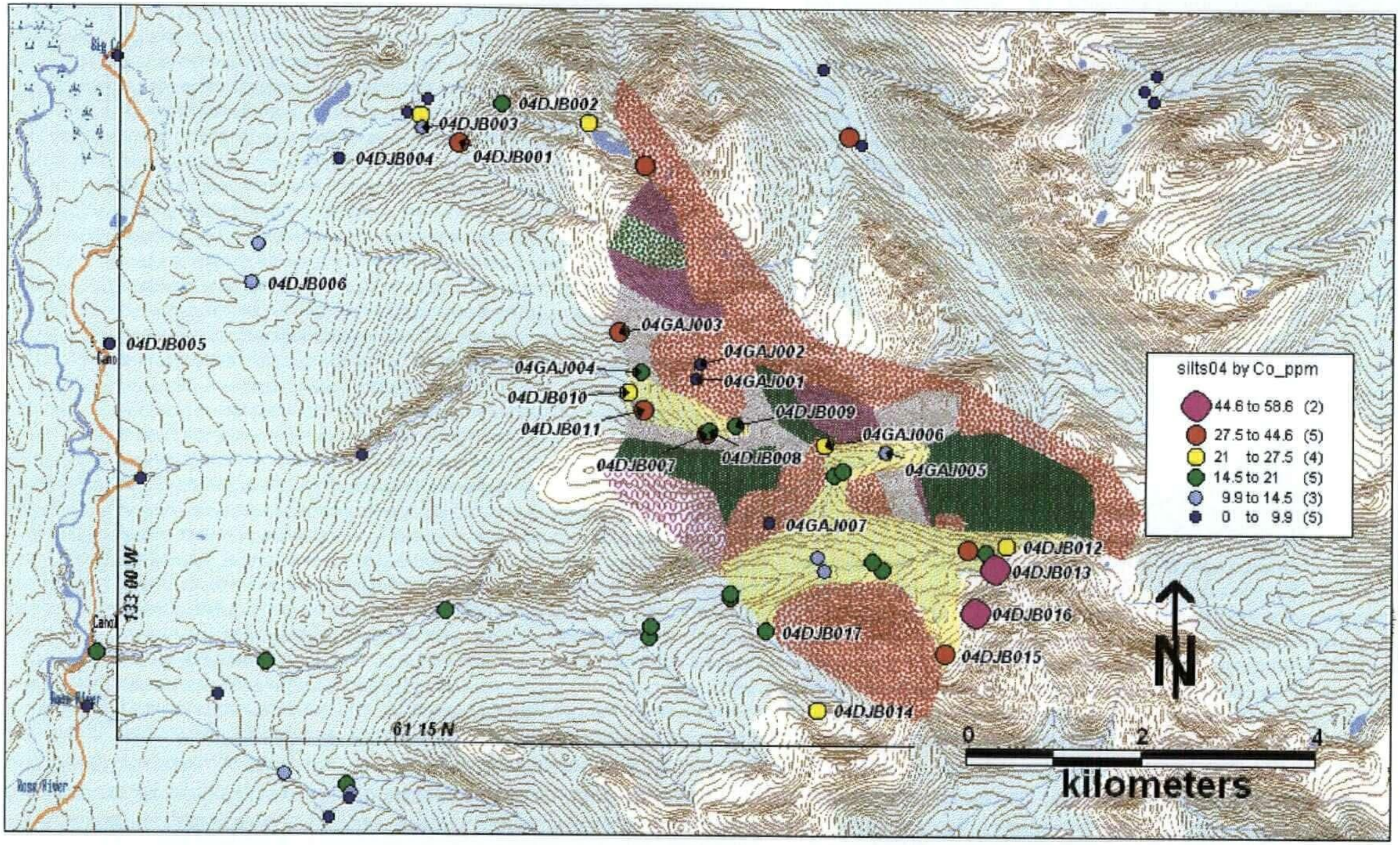

Figure 16. Stream sediment sampling results for cobalt. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. (see fig 4 for creek names and fig 6 for geology). Higher Co tends to follow the ultramafic rocks but more strongly clusters in the southeast part of the work area

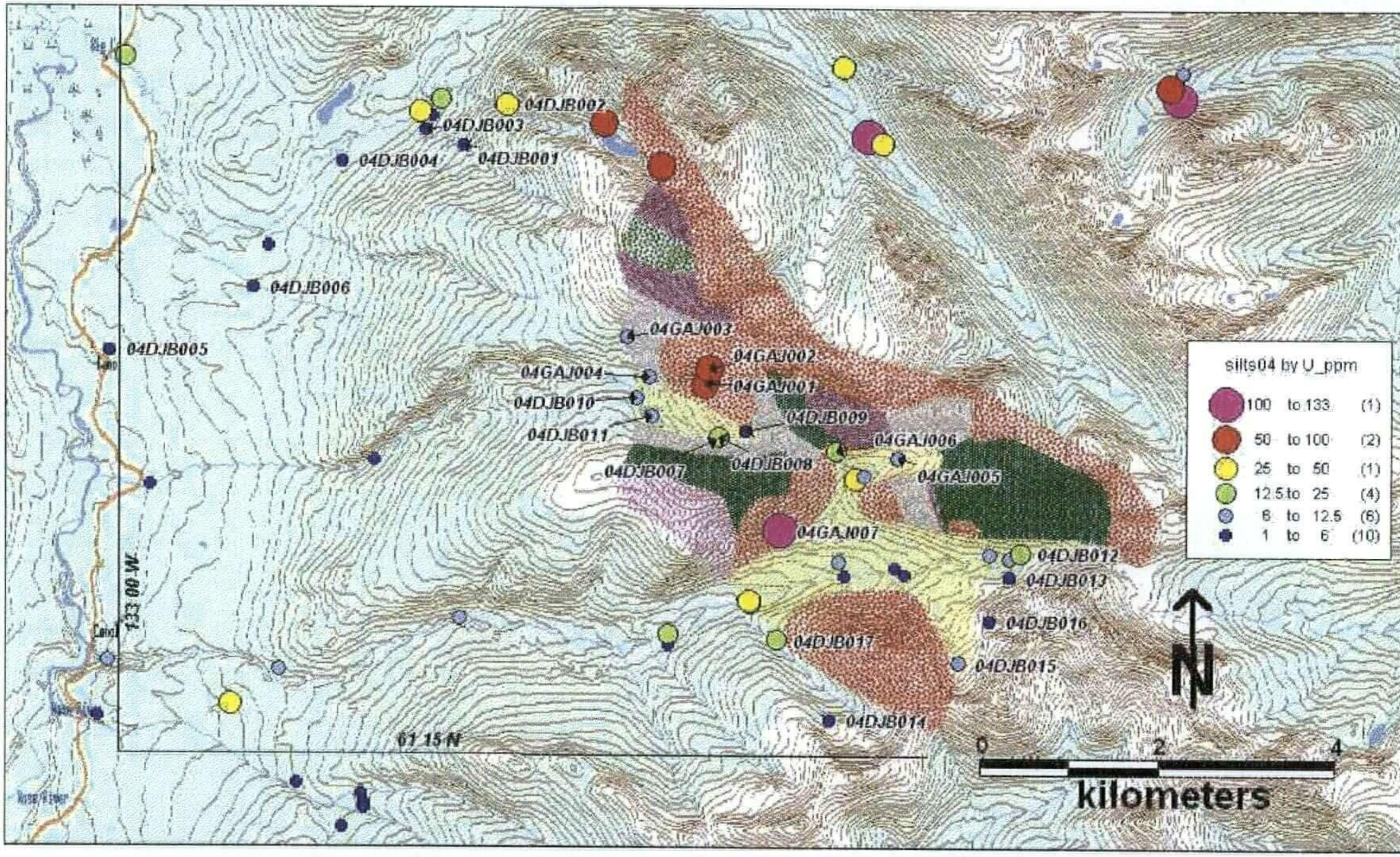

Figure 27. Stream sediment sampling results for uranium. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. (see fig 4 for creek names and fig 6 for geology). Uranium appears to be derived from the more K-feldspar rich granitic rocks of the Nisutlin Batholith but not the country rocks as Mo and W in upper Deer Creek appear to be derived.

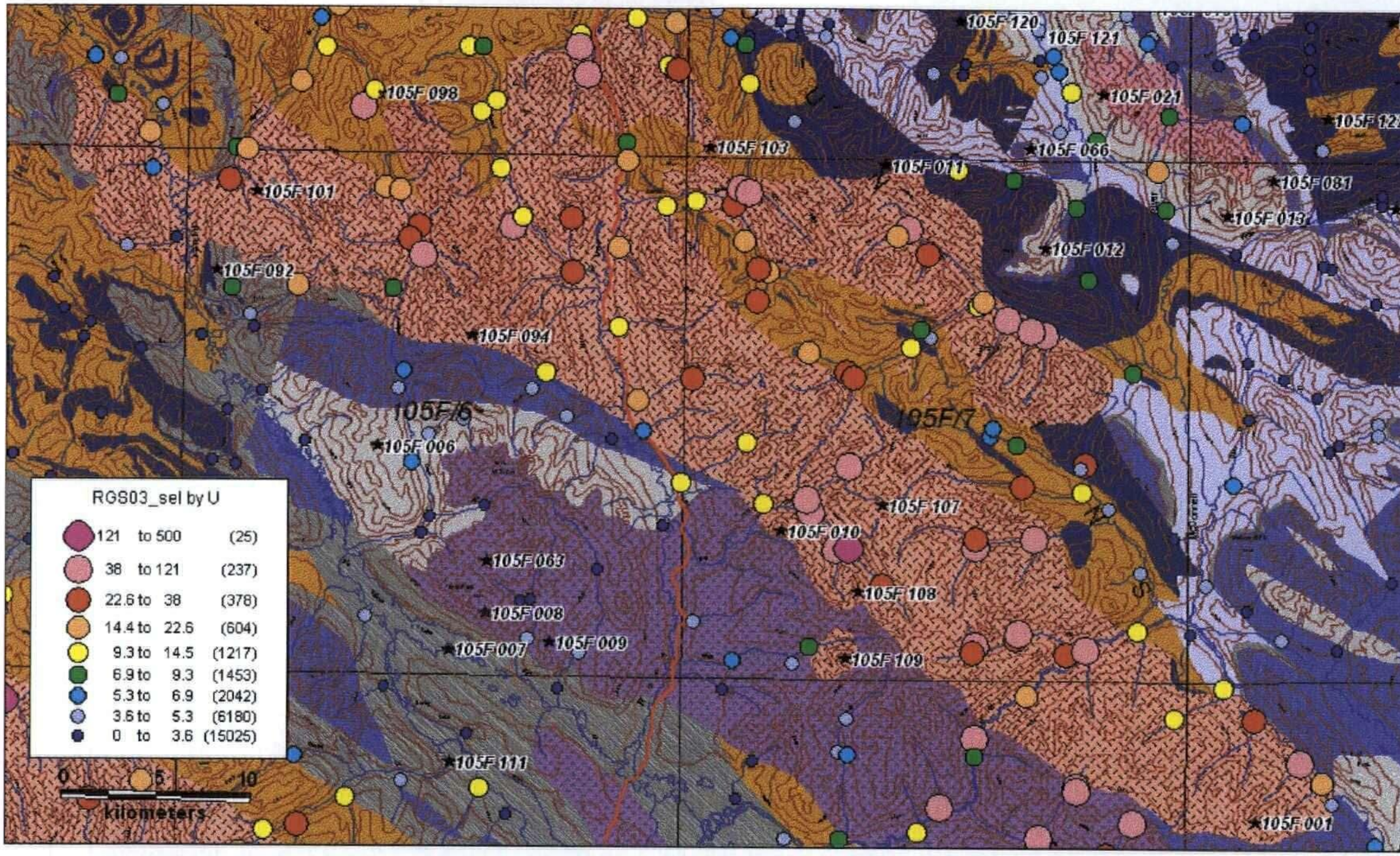

Figure 28. RGS stream sediment sampling results for uranium the region surrounding the project area. The relationship between uranium anomalies and the granitic rocks of the Nisutlin Batholith is apparent. This relationship fits well with the more detailed uranium results shown in figure 27.

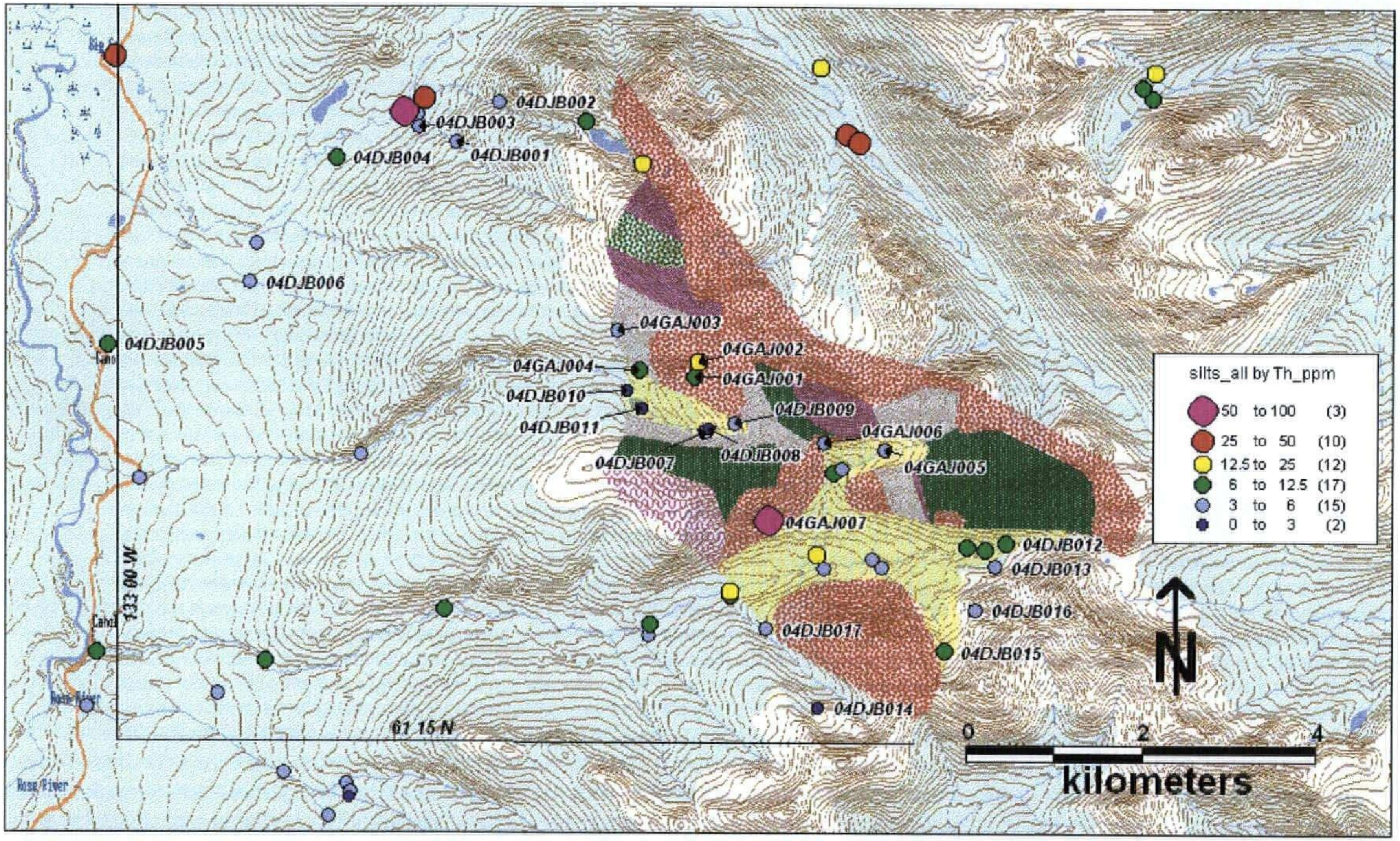

Figure 29. Stream sediment sampling results for thorium. The results shown are for all the 2004 field season samples combined with 2002 season samples collected within the area of the map by Blackfox Minerals. (see fig 4 for creek names and fig 9 for geology). Thorium, like uranium, appears to be derived from the granitic rocks.

b. Soil Sampling

i. Statistical Analysis

Summary statistics for each element analysed are presented in Table Ia, b and c on the following pages. Histograms are provided in Appendix III. A correlation matrix is presented in appendix IV.

The population of most elements of interest is geometric as is usually the case for geologic materials. This is confirmed by log-probability plots which produce generally straight lines. Exceptions to this generalization are provided by U and Th, which show two populations with breaks near 20 ppm and 10 to 15 ppm respectively. The higher population of each coincides with mapped extent of granitic intrusives.

Correlation is strong for Ni, Mg, Co and Cr, which is understandable since all these elements are typically high in ultramafic rocks. Less expected and not as easily explained is the strong correlation between Zn and Sr.

Other correlations of note (at > 0.7 coefficient) are Cu with Fe and Zn, Zn with Sr, Cd, Se, Ca and Ag; Ag with Cd; Fe with Al; Bi with W and V with Al. Weaker associations of potential interest are Sb with Pb and to a lesser extent Ag probably due to the cluster in the southeast Canol Basin. The granophile elements U and Th are moderately correlated with a coefficient of 0.69. As also shows moderate correlation with Ni, Co and Fe probably due to relative enrichment of all these elements in mafic and ultramafic rocks. Au shows only a weak correlation with several elements of the ultramafic – mafic clan (Fe, Ni, Co, Mg, Cu, Zn). Au shows no correlation with Bi or W.

Table Ia

Summary Statistics for Soil Samples from Upper Canol Creek

	MO_PPM	CU_PPM	PB_PPM	ZN_PPM	AG_PPM	NI_PPM	CO_PPM	MN_PPM	FE_%	AS_PPM	U_PPM	AU_PPB
mean	6.49	28.82	13.16	78.55	0.23	58.92	8.24	410.52	2.05	29.51	7.44	3.34
std dev	8.35	25.63	12.16	85.19	0.32	124.22	9.28	362.52	1.00	42.98	12.32	4.29
Maximum	76.30	155.20	105.80	566.00	2.60	1200.10	93.20	2775.00	5.94	466.90	79.50	31.10
99.9th	68.48	155.18	101.09	564.14	2.51	1102.54	80.74	2653.90	5.74	419.20	75.12	30.73
99.8th	60.66	155.15	96.38	562.29	2.41	1004.99	68.28	2532.79	5.54	371.50	70.73	30.36
99.5th	42.23	149.48	85.26	551.92	2.10	742.53	38.75	2183.08	5.03	257.11	59.88	28.27
99th	37.80	118.88	74.18	499.84	1.50	536.41	33.52	1722.56	4.82	207.45	55.56	21.03
98th	31.48	104.22	43.92	327.44	1.30	405.00	28.79	1418.28	4.70	129.47	50.50	16.58
95th	21.54	83.76	29.30	263.80	0.70	284.12	24.92	1104.80	4.03	77.90	33.46	11.62
90th	14.14	60.82	23.00	150.60	0.50	133.96	19.74	793.60	3.35	63.44	22.94	7.18
85th	11.16	47.00	20.22	126.20	0.40	83.98	15.64	650.00	2.97	50.96	11.62	5.42
75th	7.50	34.60	16.00	85.00	0.20	46.80	10.40	523.00	2.47	33.10	6.50	3.80
median	3.80	21.10	10.30	54.00	0.10	19.50	5.20	316.00	2.01	16.80	2.80	2.00
25th	2.00	12.90	6.80	34.00	0.10	9.80	3.00	179.00	1.46	9.60	1.30	1.00
Minimum	0.20	1.50	0.70	6.00	0.05	0.60	0.40	23.00	0.31	0.30	0.20	0.25
Number	233	233	233	233	233	233	233	233	233	233	233	233

Table Ib

Summary Statistics for Soil Samples from Upper Canol Creek

	TH_PPM	SR_PPM	CD_PPM	SB_PPM	BI_PPM	V_PPM	CA_%	P_%	LA_PPM	CR_PPM	MG_%	BA_PPM
mean	6.60	16.46	0.55	2.07	2.66	49.94	0.17	0.05	12.99	39.66	0.52	105.05
std dev	10.42	19.14	1.00	4.82	4.06	30.14	0.15	0.03	5.68	34.43	0.64	79.49
Maximum	52.50	140.00	11.10	51.70	24.40	151.00	1.10	0.20	38.00	234.20	5.84	439.00
99.9th	51.25	139.77	9.94	48.17	24.01	149.38	1.07	0.19	35.91	220.63	5.54	433.20
99.8th	49.99	139.54	8.78	44.65	23.61	147.75	1.04	0.19	33.82	207.06	5.24	427.40
99.5th	46.32	138.68	5.75	35.65	22.60	143.52	0.95	0.18	28.84	175.24	4.26	413.20
99th	42.17	119.40	3.90	26.69	21.88	137.48	0.80	0.17	28.00	165.22	2.69	405.48
98th	40.14	73.88	2.84	10.08	17.65	126.80	0.56	0.15	27.00	128.52	2.09	318.32
95th	35.48	44.40	2.00	5.90	10.12	112.20	0.43	0.12	22.00	108.28	1.63	270.20
90th	19.50	35.40	1.10	3.50	6.96	92.60	0.35	0.09	20.00	85.74	1.08	216.60
85th	12.02	25.00	0.90	2.44	5.00	81.40	0.28	0.09	18.00	70.90	0.90	174.20
75th	6.10	18.00	0.60	1.70	3.10	66.00	0.20	0.07	16.00	50.50	0.60	134.00
median	2.60	11.00	0.20	1.00	1.00	41.00	0.12	0.05	13.00	29.40	0.33	83.00
25th	0.90	7.00	0.10	0.60	0.50	29.00	0.07	0.03	9.00	17.60	0.17	51.00
Minimum	0.05	1.00	0.05	0.05	0.05	3.00	0.01	0.01	1.00	1.50	0.02	8.00
Number	233	233	233	233	233	233	233	233	233	233	233	233

Table Ic

Summary Statistics for Soil Samples from Upper Canol Creek

	TI_%	B_PPM	AL_%	NA_%	K_%	W_PPM	HG_PPM	SC_PPM	TL_PPM	S_%	GA_PPM	SE_PPM
mean	0.05	0.88	1.32	0.01	0.10	2.88	0.02	2.20	0.29	0.04	5.80	1.08
std dev	0.03	0.59	0.78	0.01	0.09	5.34	0.01	1.88	0.24	0.03	2.14	1.18
Maximum	0.17	5.00	5.14	0.07	0.57	40.60	0.10	12.70	1.60	0.22	12.00	6.30
99.9th	0.17	4.77	5.10	0.07	0.55	38.54	0.10	12.56	1.51	0.21	12.00	6.28
99.8th	0.17	4.54	5.07	0.06	0.54	36.47	0.10	12.42	1.41	0.20	12.00	6.25
99.5th	0.16	3.84	4.80	0.05	0.49	31.03	0.09	11.88	1.18	0.17	11.84	6.18
99th	0.14	3.00	3.83	0.05	0.43	27.37	0.06	9.71	1.07	0.16	11.00	5.91
98th	0.12	3.00	3.45	0.04	0.37	24.60	0.05	6.91	0.94	0.14	10.36	5.04
95th	0.10	2.00	2.72	0.03	0.27	11.18	0.04	5.52	0.80	0.10	10.00	3.94
90th	0.09	1.00	2.22	0.02	0.20	6.52	0.04	4.50	0.60	0.08	9.00	2.28
85th	0.07	1.00	2.01	0.02	0.16	4.56	0.03	3.82	0.50	0.07	8.00	1.80
75th	0.06	1.00	1.71	0.02	0.11	2.60	0.03	2.90	0.30	0.03	7.00	1.30
median	0.04	0.50	1.14	0.01	0.06	1.20	0.02	1.70	0.20	0.03	5.00	0.70
25th	0.03	0.50	0.80	0.01	0.04	0.50	0.01	1.00	0.10	0.03	4.00	0.25
Minimum	0.00	0.50	0.14	0.00	0.02	0.05	0.01	0.20	0.05	0.03	1.00	0.25
Number	233	233	233	233	233	233	233	233	233	233	233	233

ii. Interpretation

The results of the soil sampling are shown symbolically in Figures 30 thru 48 on the following pages along with the corresponding silt results for the area of the soil survey. More detailed plots of the soils alone are provided in Appendix V.

No elements provided a very strong response. Mo and U results are fairly high compared with average values for soils in Levinson (1980). Ag, Au and Ni are also slightly elevated compared to these averages but not in a range that is considered significant economically. W is moderately elevated in several samples.

The patterns of soil response are particularly interesting. Firstly the patterns appear to fit well with the underlying geology suggesting that the soils are giving a clear reflection of the relative metal trends in the substrate. The distribution of U, W, Th and Bi clearly reflect the intrusive in upper Canol Creek. Other elements such as Au, C, As, Pb and Ag tend to be peripheral to the intrusive as if zoned away from the intrusive. Mo appears to be highest near the inferred contacts of the granitic rocks rather than in the interior like U, W and Bi as if Mo is intermediate in a zoning pattern. Figures 30 and 48 show the antithetic relationship of Au to Bi and W quite well.

Ni, Co and Cr follow the mapped ultramafic rocks quite well. Some Ni samples seem fairly high as as much as 1200 ppm however in the context of ultramafic rocks this is not exceptional.

Zn, V, Se and possibly Cu and Ag follow the "carb" unit closely, possibly reflecting high backgrounds in the carbonaceous argillite. The distribution of the 'carb" unit relative to the granite and the association of several elements with it may provide and alternative explanation of the apparent zonation of metals around the granitic body.

The most interesting pattern in the overall geochemical survey is that of Mo. Soils in the Canol Creek survey are fairly high in Mo with several anomalous areas over 25 ppm and values up to 76 ppm. Despite this most of the silts in adjoining Deer Creek are higher than any in Canol Creek suggesting that there could be a significant Mo soil anomaly in the Deer Creek valley.

Of lesser interest is the clustering of Pb and Sb with weaker Au, As and Cu in the area SE of the soil survey area. These results are not high but are some of the strongest of the survey and suggest something could be building in that direction. Some additional prospecting may be warranted. At the same time the Mo W response along the east edge of the Canol Creek intrusive should be prospected.

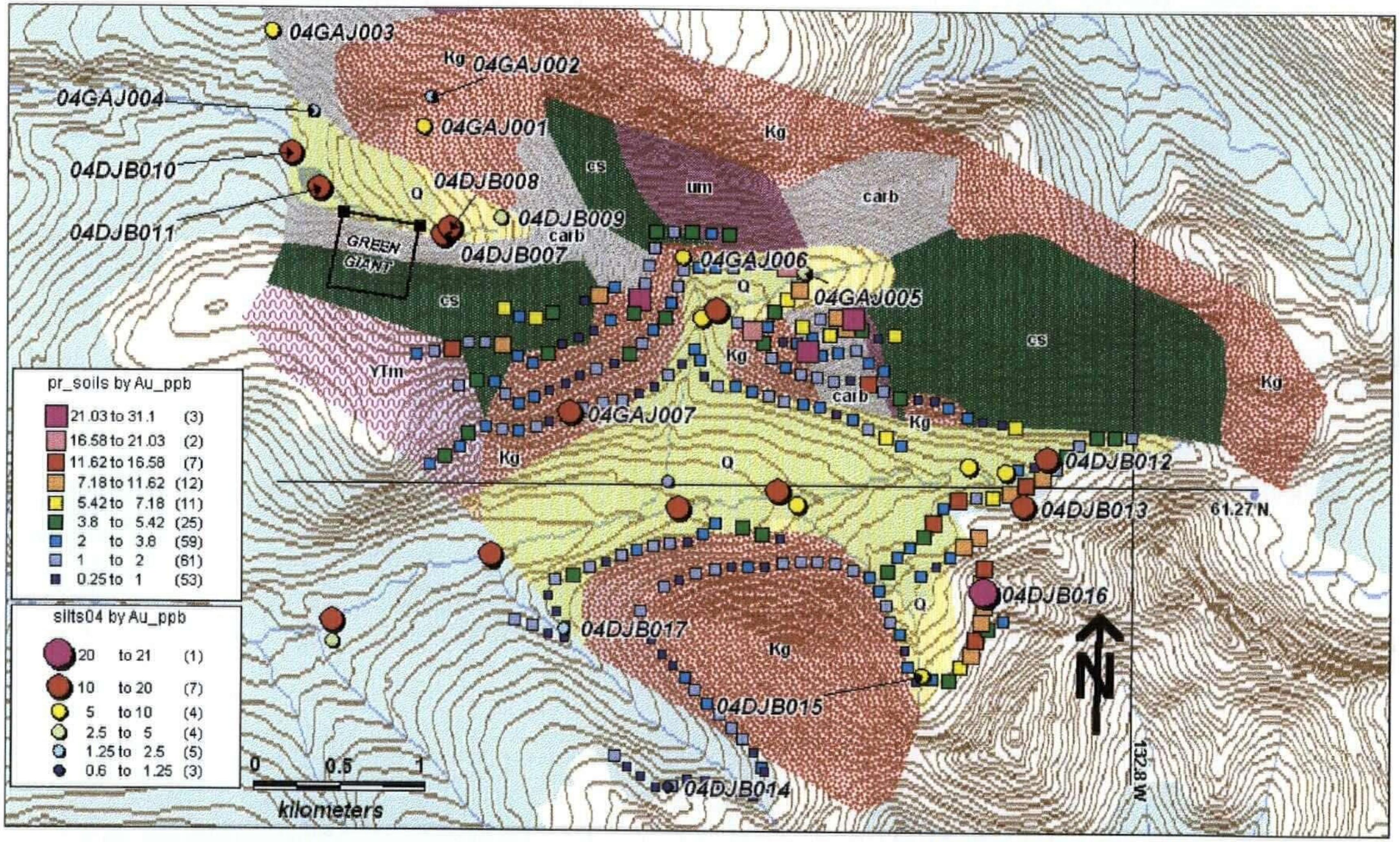

Figure 30. Compilation of 2002/2004 silt and 2004 soil geochemical results for Au in upper Canol Creek (see fig 4 for creek names and fig 6 for geology). Au is higher in soil around the granitic rocks but not over the intrusives. The silts show a broad uniform anomalous response downstream from the higher soil response.

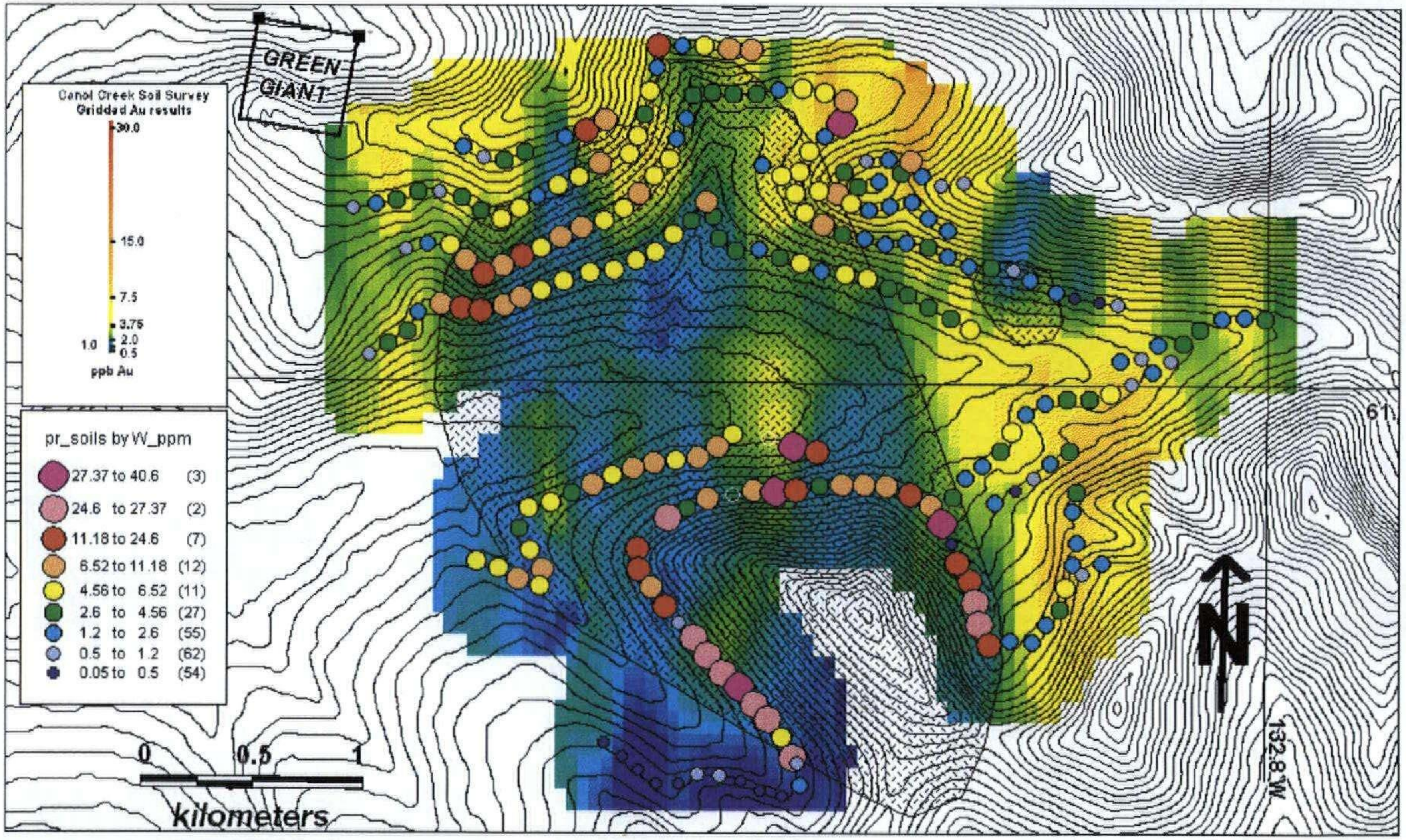

Figure 31. Comparison of W in soil (symbols) with Au in soils as a contoured grid. Hachured pattern is the Canol Creek intrusive. Topographic contours at 20 m. intervals and are same as Plate I. Contours are from contouring a DEM from NRCan's Geobase website (www.geobase.ca)

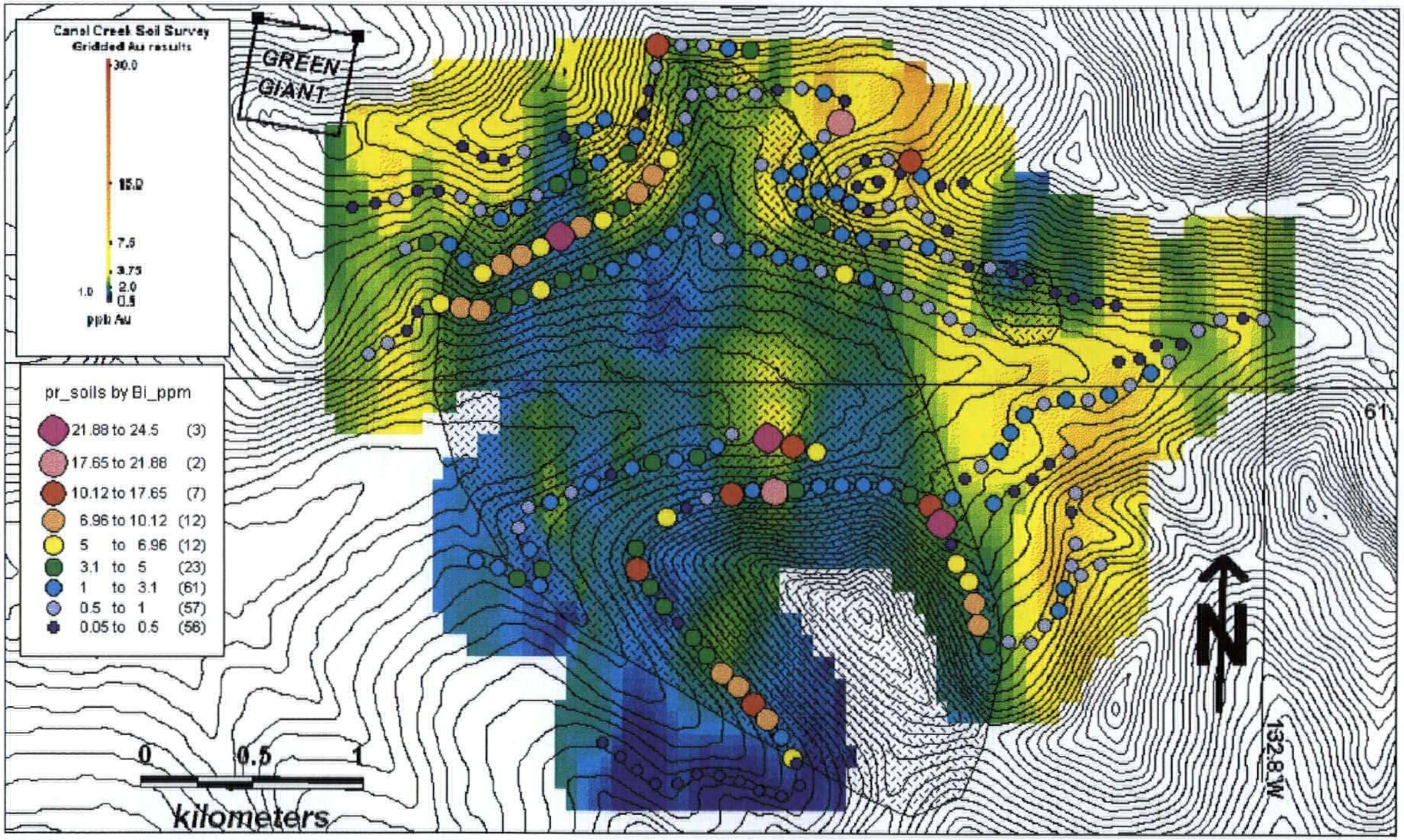

Figure 32. Comparison of Bi in soil (symbols) with Au in soils as a contoured grid. Hachured pattern is the Canol Creek intrusive. Topographic contours at 20 m. intervals and are same as Plate I. Contours are from contouring a DEM from NRCan's Geobase website (www.geobase.ca)

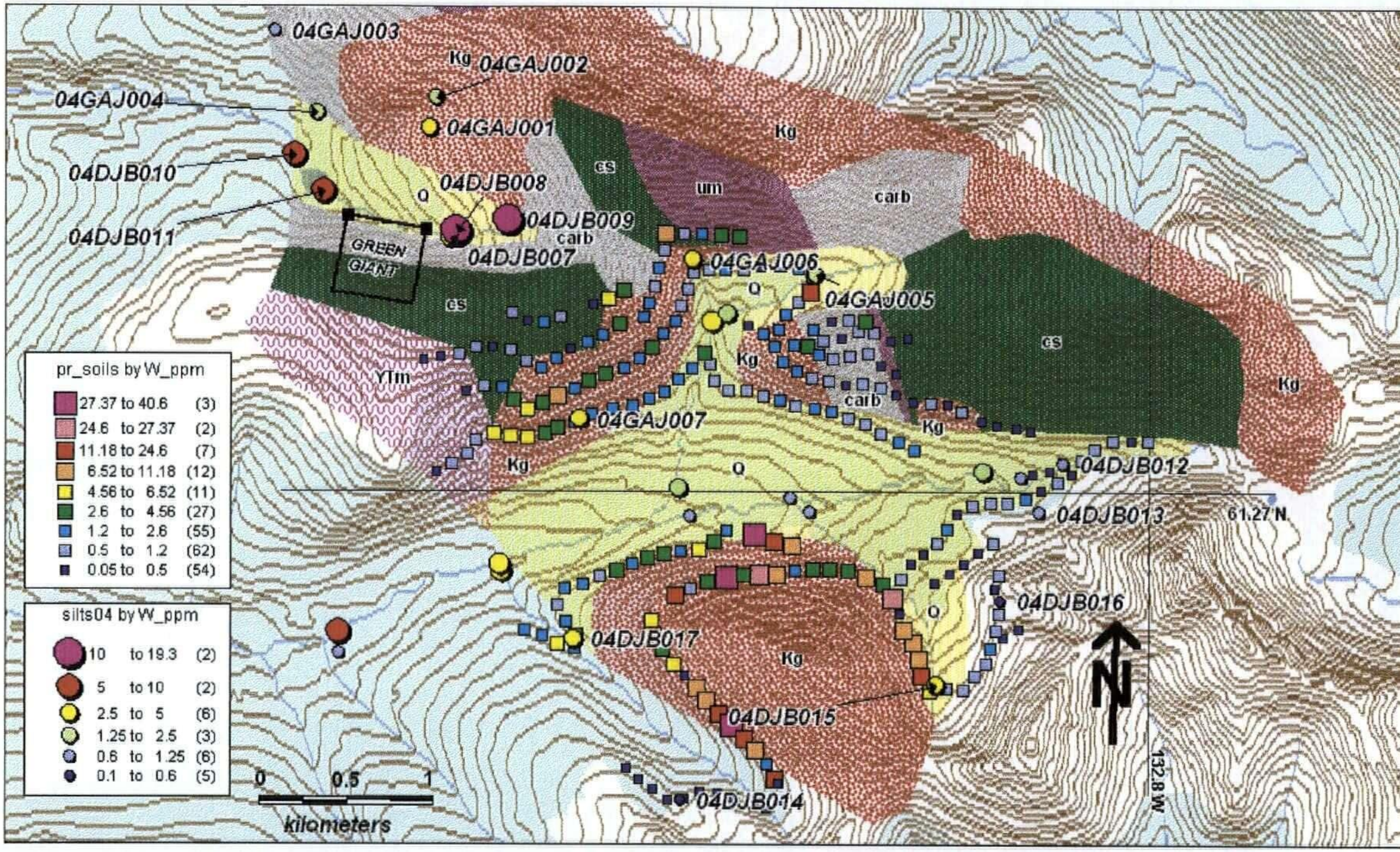

Figure 33. Compilation of 2002/2004 silt and 2004 soil geochemical results for W in upper Canol Creek (see fig 4 for creek names and fig 6 for geology). W, like Mo, appears to be more significant in the Deer Creek valley than in Canol Creek valley.

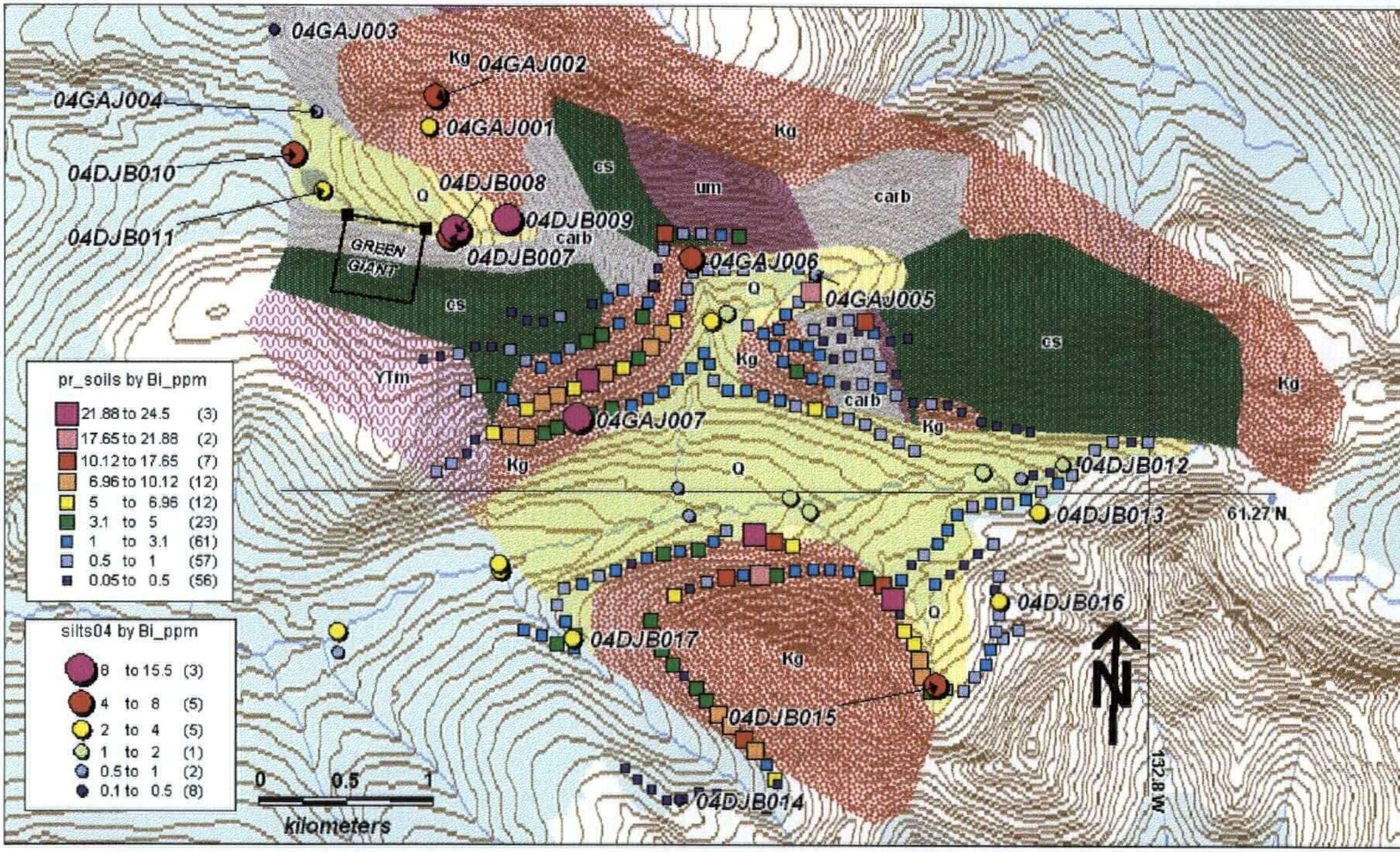

Figure 34 Compilation of 2002/2004 silt and 2004 soil geochemical results for Bi in upper Canol Creek (see fig 4 for creek names and fig 6 for geology). Bi appears to favor the granites north on Canol Creek which are porphyritic like the Nisutlin Batholith but is locally high over the southern phase.

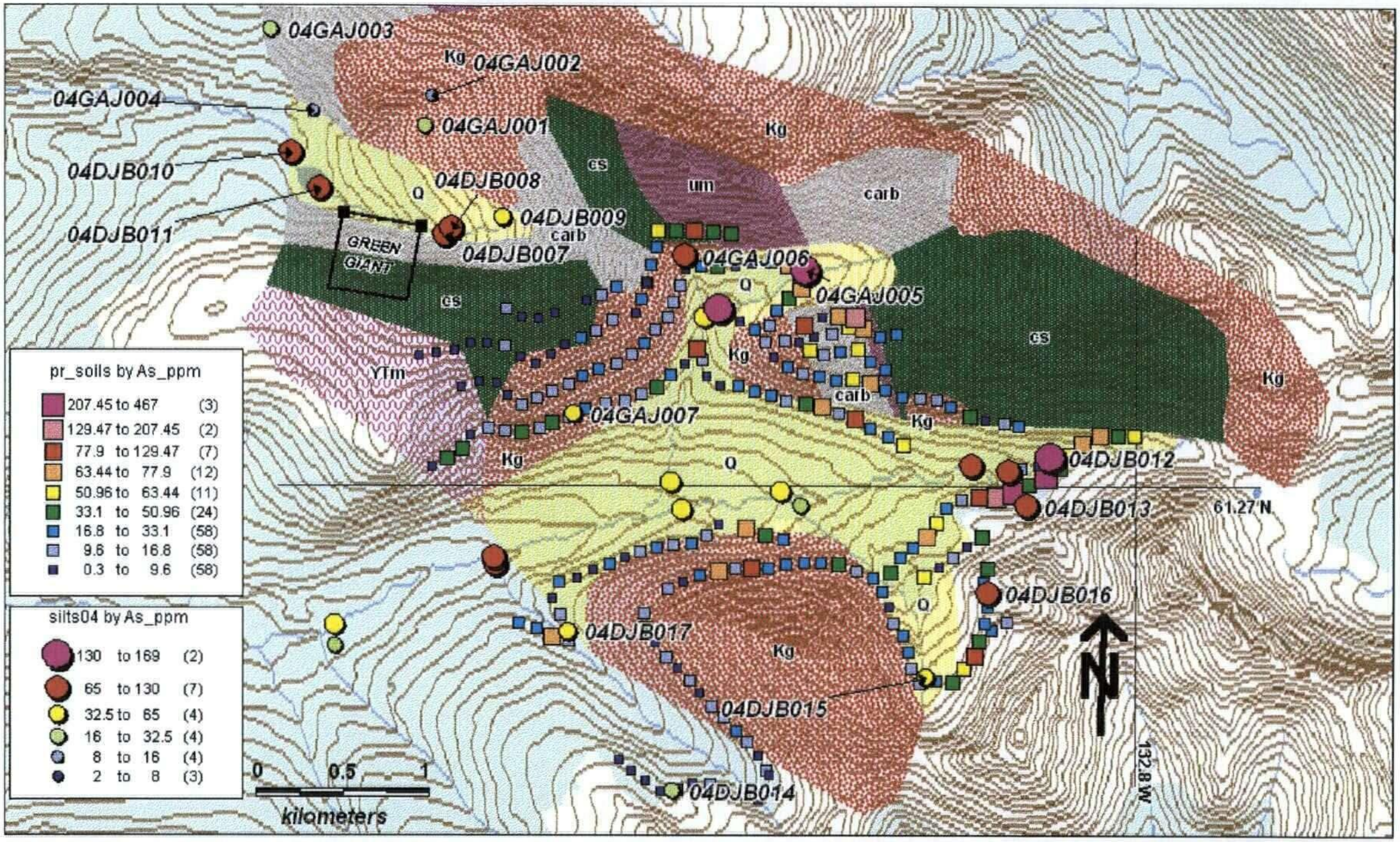

Figure 35 Compilation of 2002/2004 silt and 2004 soil geochemical results for As in upper Canol Creek (see fig 4 for creek names and fig 6 for geology).

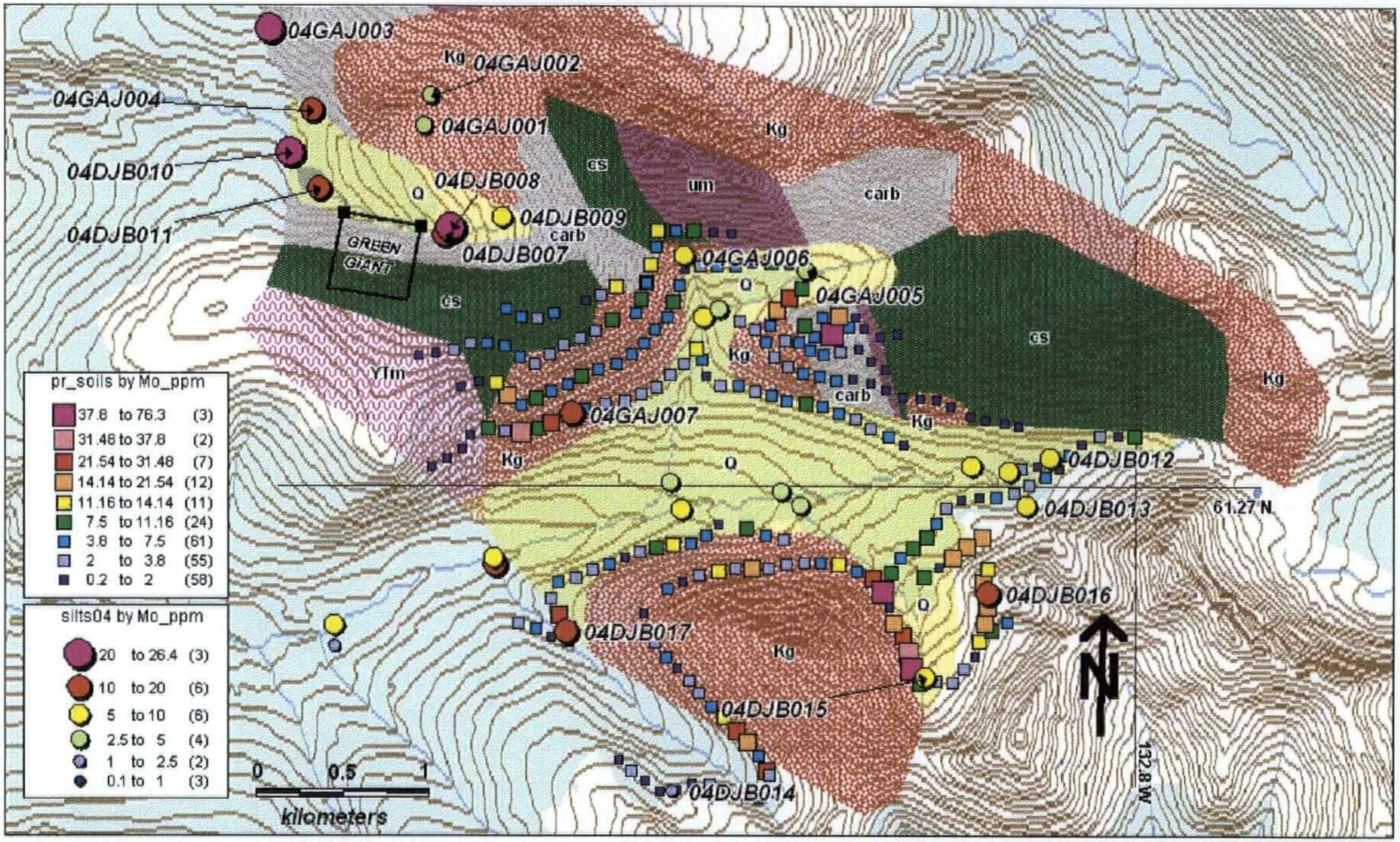

Figure 36. Compilation of 2002/2004 silt and 2004 soil geochemical results for Mo in upper Canol Creek (see fig 4 for creek names and fig 6 for geology). Mo appears to be more significant in Deer Creek valley than in Canol Creek valley.

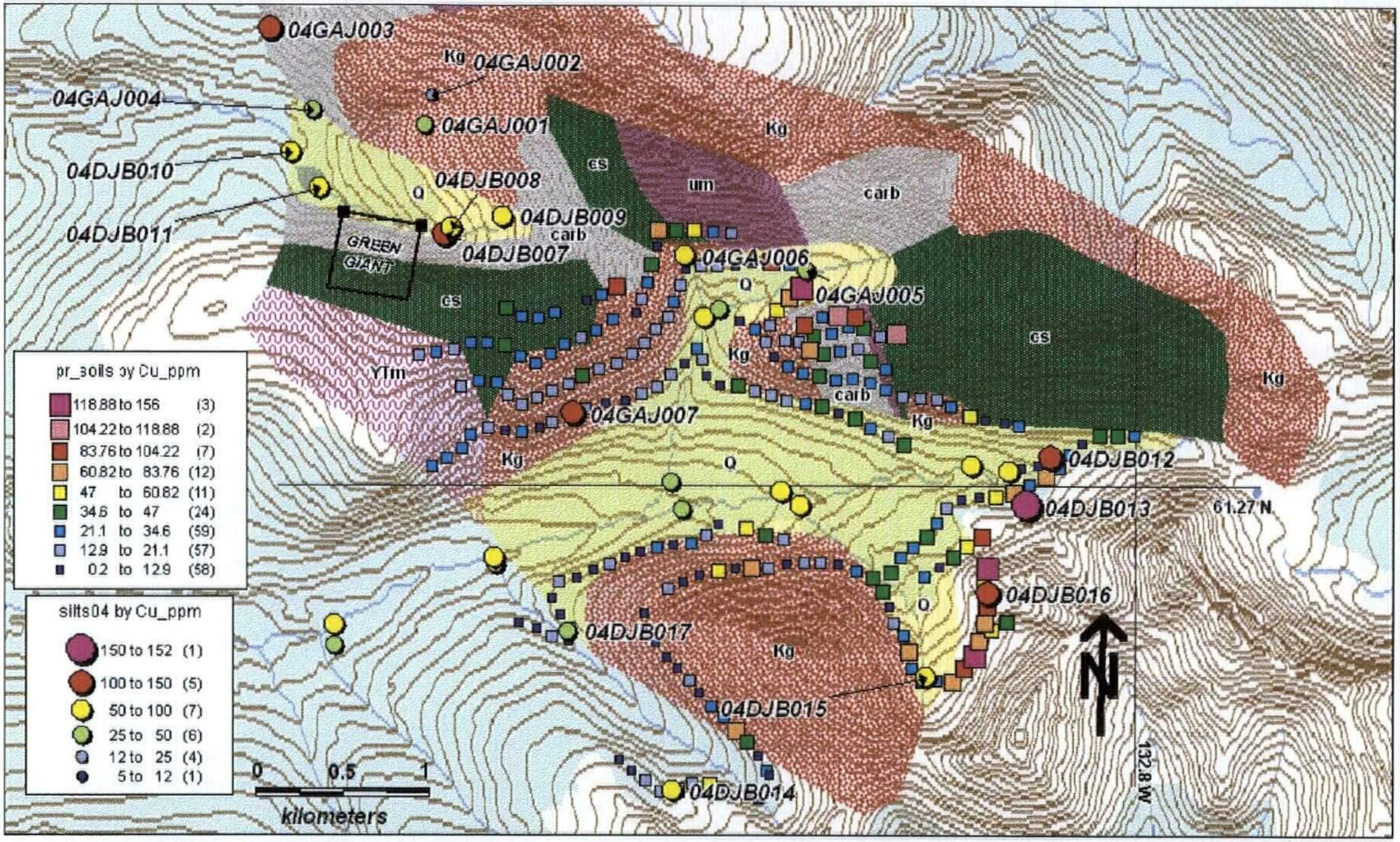

Figure 37. Compilation of 2002/2004 silt and 2004 soil geochemical results for Cu in upper Canol Creek (see fig 4 for creek names and fig 6 for geology). It is unclear if Cu is peripheral to the Canol Creek intrusive or simply following the carbonaceous argillite.

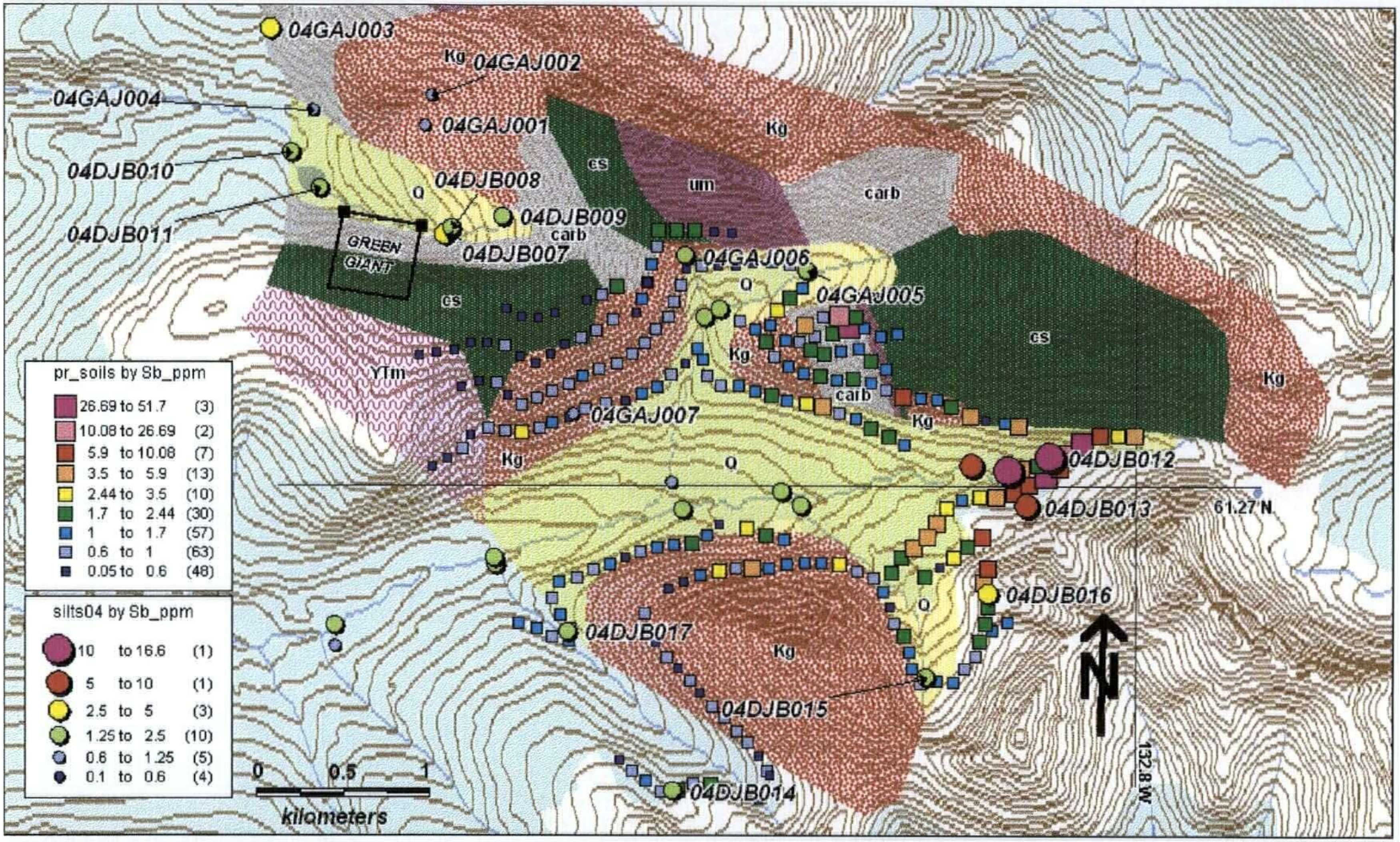

Figure 38. Compilation of 2002/2004 silt and 2004 soil geochemical results for Sb in upper Canol Creek (see fig 4 for creek names and fig 6 for geology). Sb along with Pb clusters in the east and may be pointing to additional potential to the SE of the area surveyed.

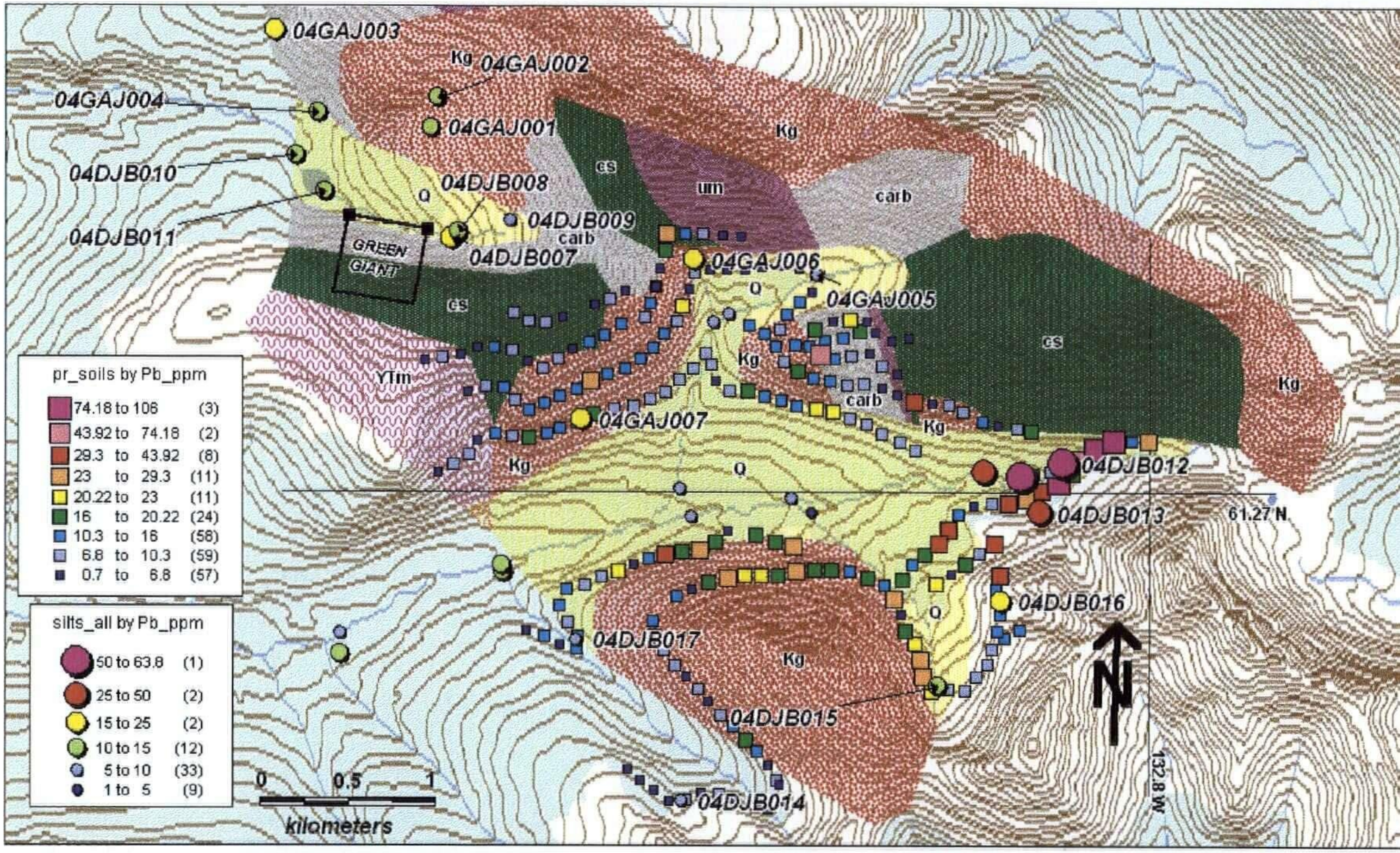

Figure 39. Compilation of 2002/2004 silt and 2004 soil geochemical results for Pb in upper Canol Creek (see fig 4 for creek names and fig 6 for geology). Pb like Sb clusters in the east and may be pointing to additional potential to the SE of the area surveyed.

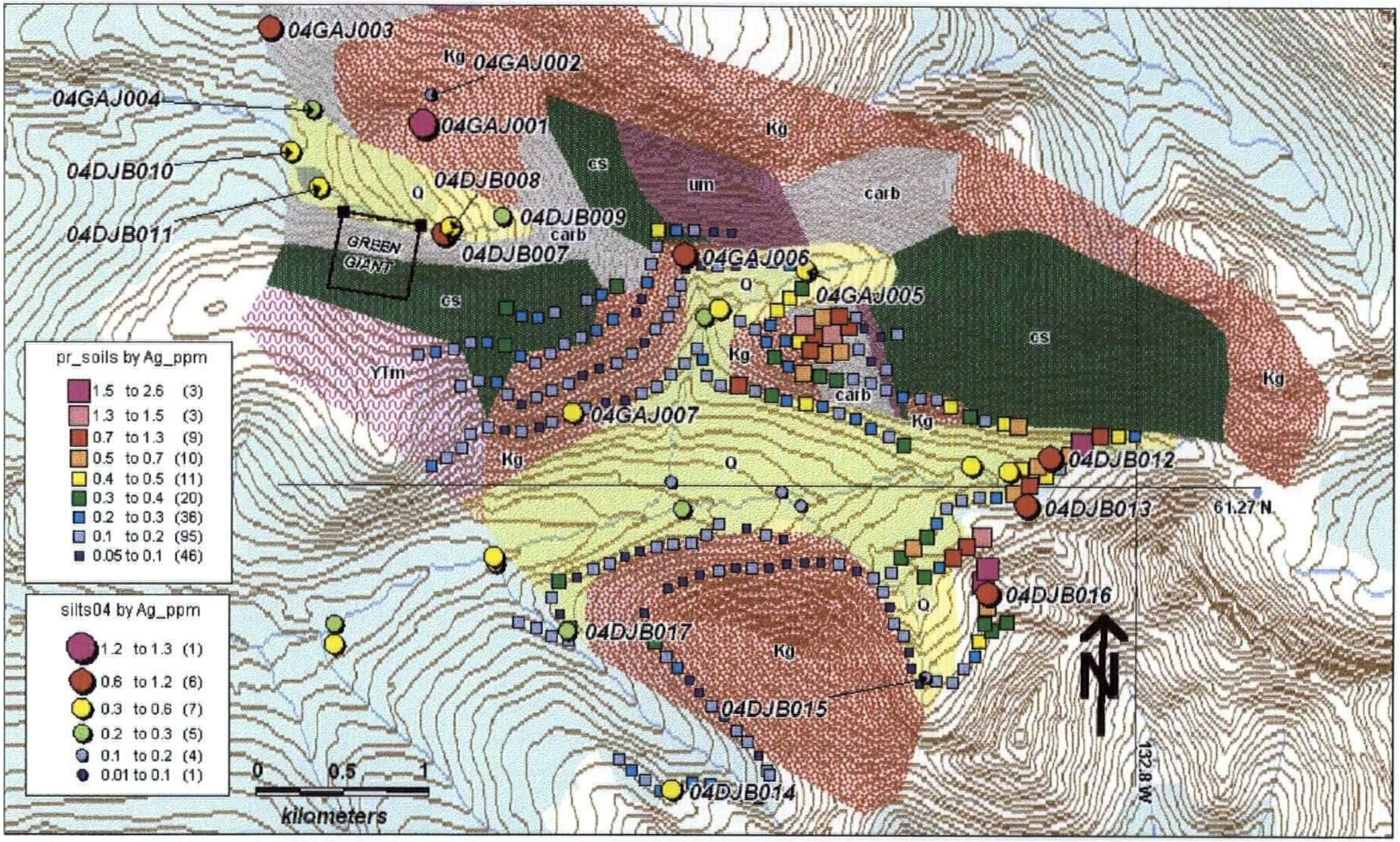

Figure 40. Compilation of 2002/2004 silt and 2004 soil geochemical results for Ag in upper Canol Creek (see fig 4 for creek names and fig 6 for geology). Ag appears to follow Pb in the east and possibly the carbonaceous argillite unit as does Zn and V.

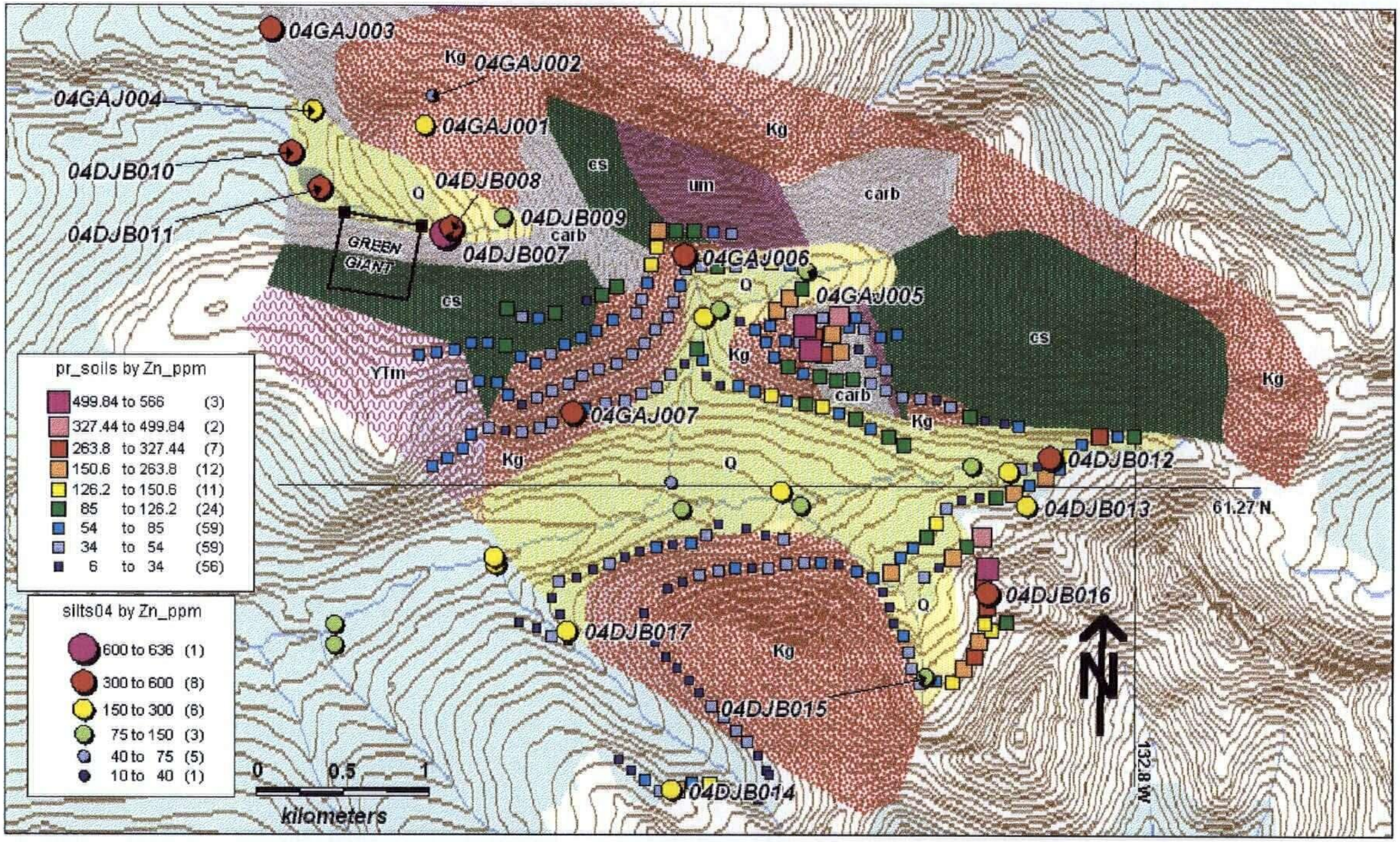

Figure 41. Compilation of 2002/2004 silt and 2004 soil geochemical results for Zn in upper Canol Creek (see fig 4 for creek names and fig 6 for geology). Zn appears to follow the carbonaceous argillite unit as does Se and V.

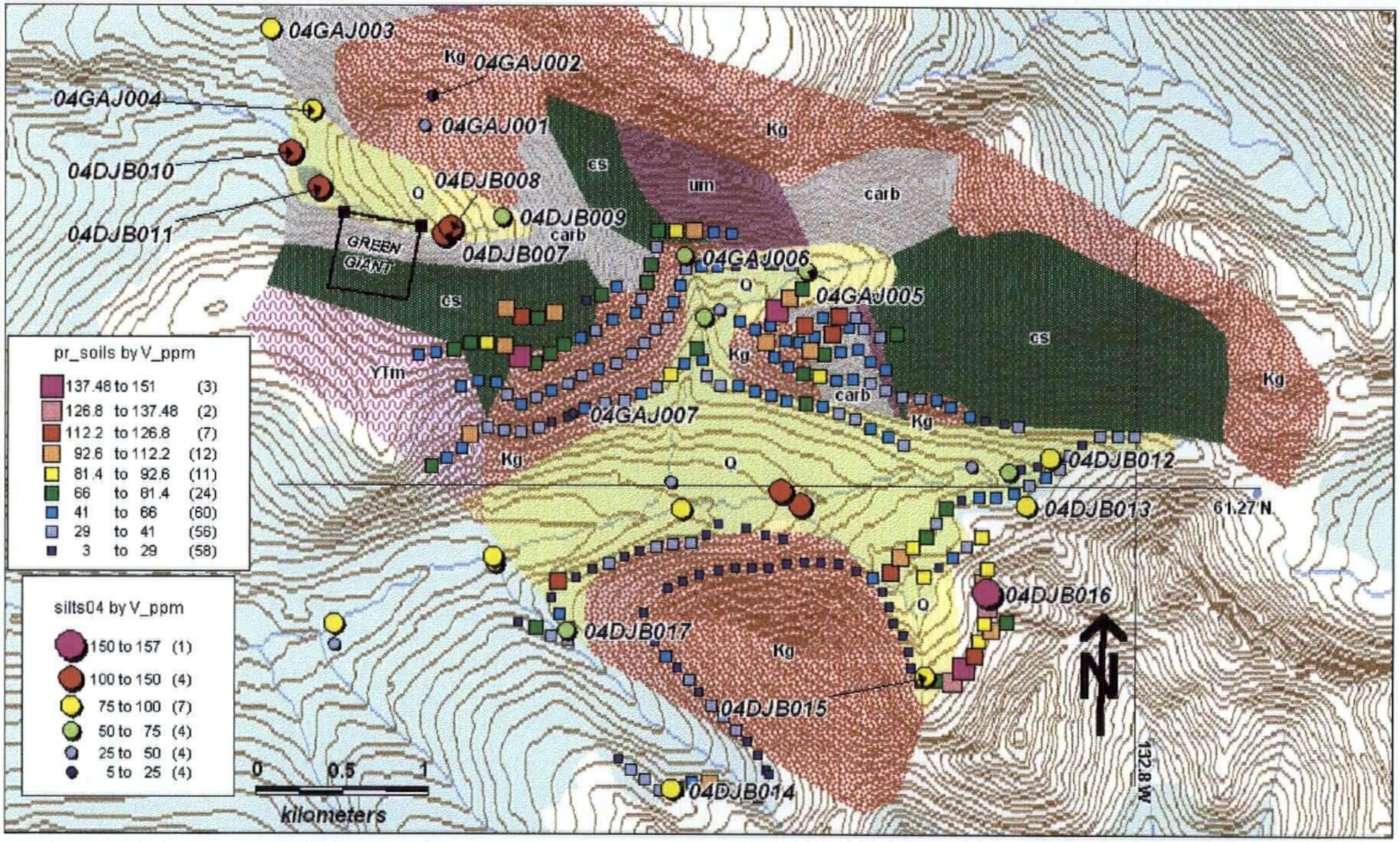

Figure 42. Compilation of 2002/2004 silt and 2004 soil geochemical results for V in upper Canol Creek (see fig 4 for creek names and fig 6 for geology). V follows the carbonaceous argillite unit like Zn and Se.

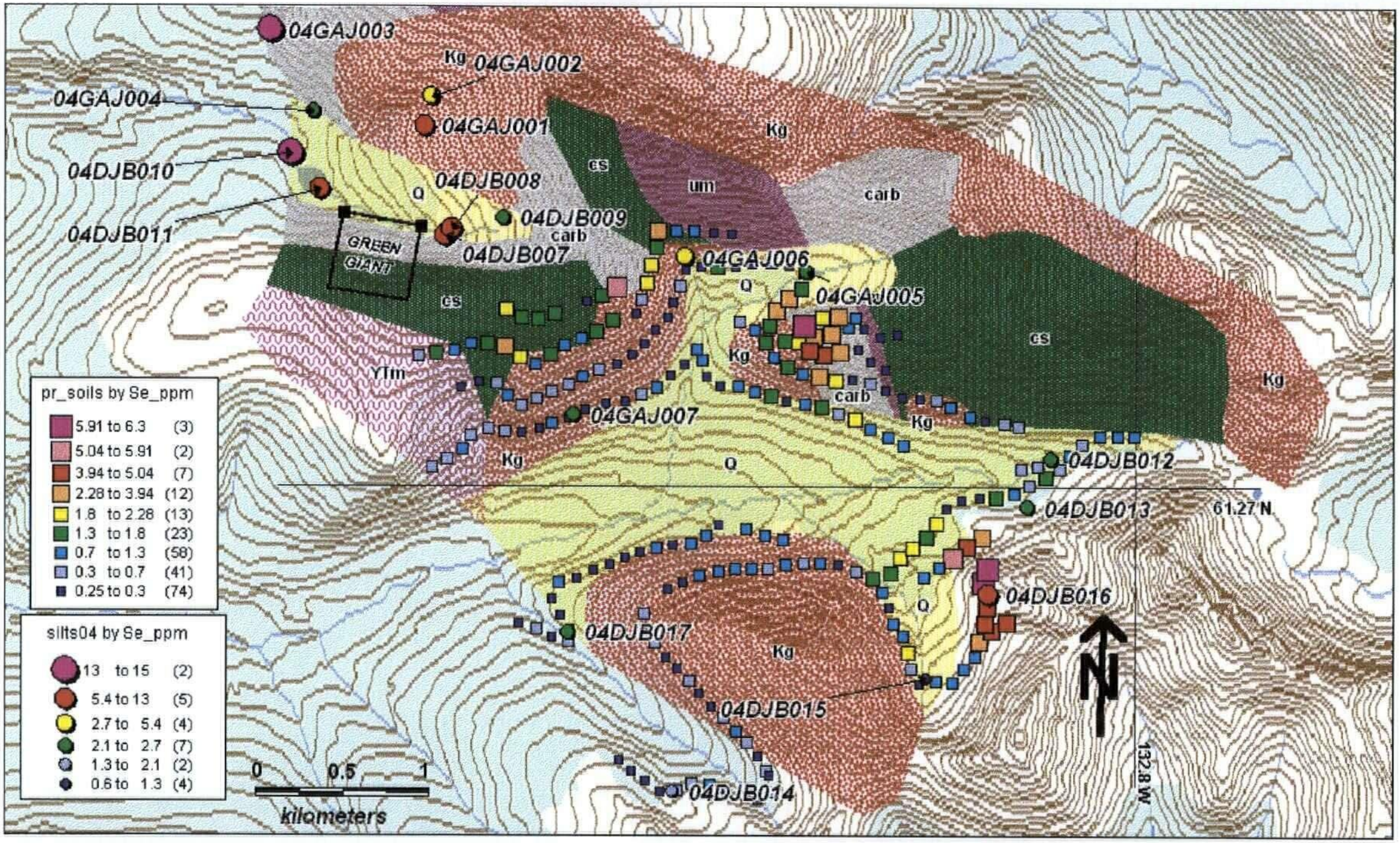

Figure 43. Compilation of 2004 silt and soil geochemical results for Se in upper Canol Creek (see fig 4 for creek names and fig 6 for geology). Se follows the carbonaceous argillite strongly, particularly S of Canol Creek. Se was not analysed in 2002.

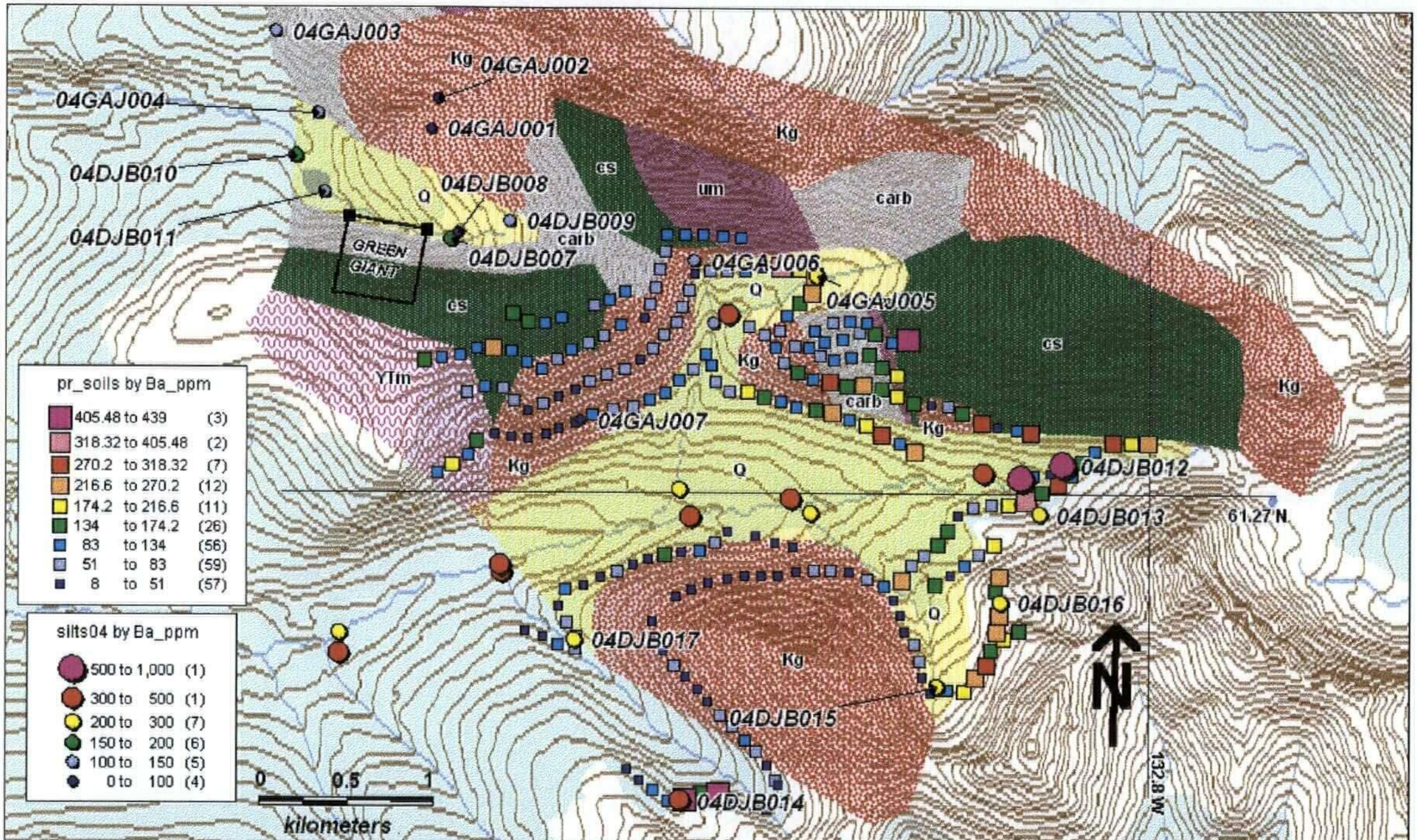

Figure 44. Compilation of 2002/2004 silt and 2004 soil geochemical results for Ba in upper Canol Creek (see fig 4 for creek names and fig 6 for geology). Ba is of most interest in that it does not follow the carbonaceous argillite as might be expected if it were Earn Group.

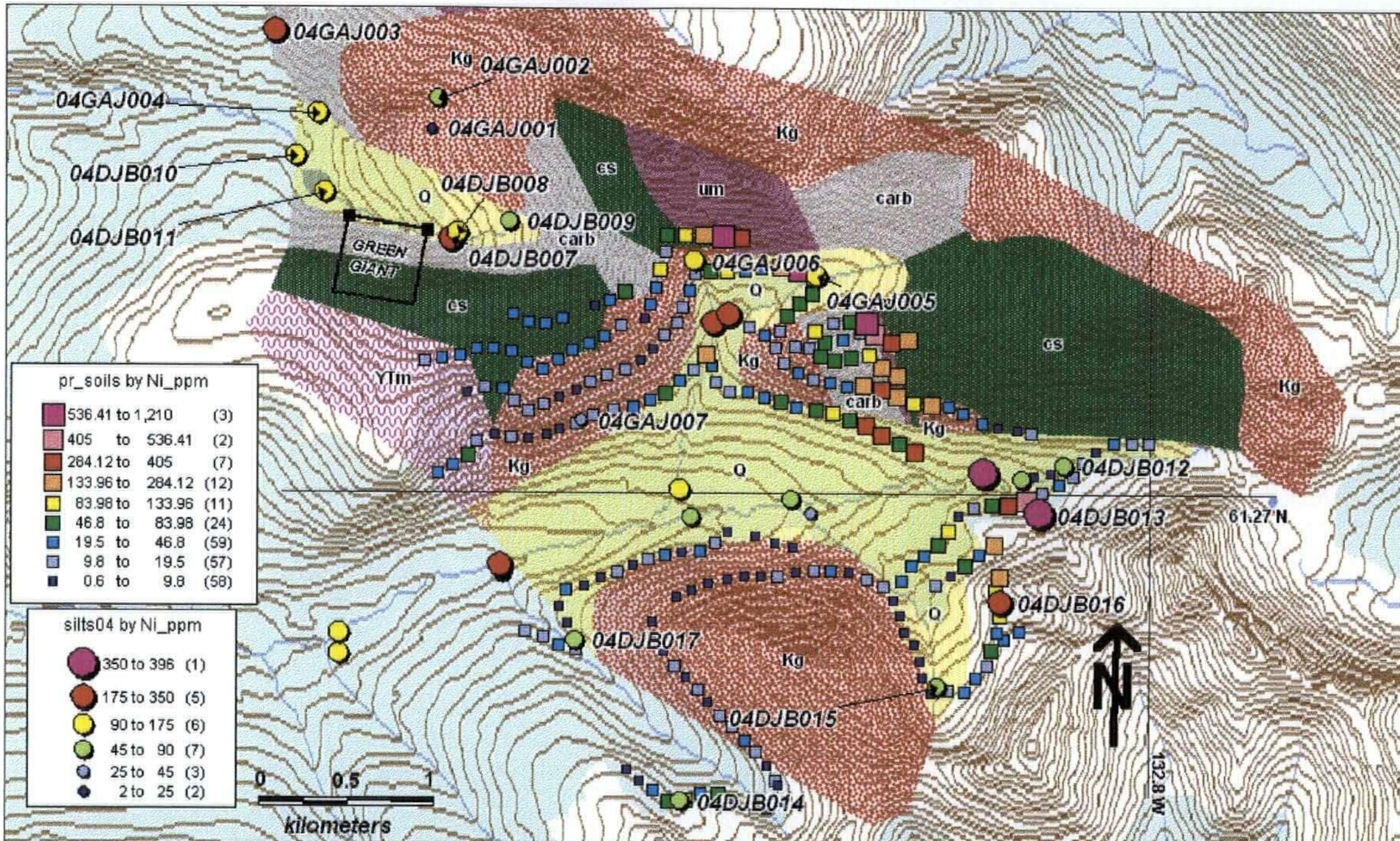

Figure 45. Compilation of 2002/2004 silt and 2004 soil geochemical results for Ni in upper Canol Creek (see fig 4 for creek names and fig 6 for geology). Ni follows the ultramafics closely as do Cr and Co.

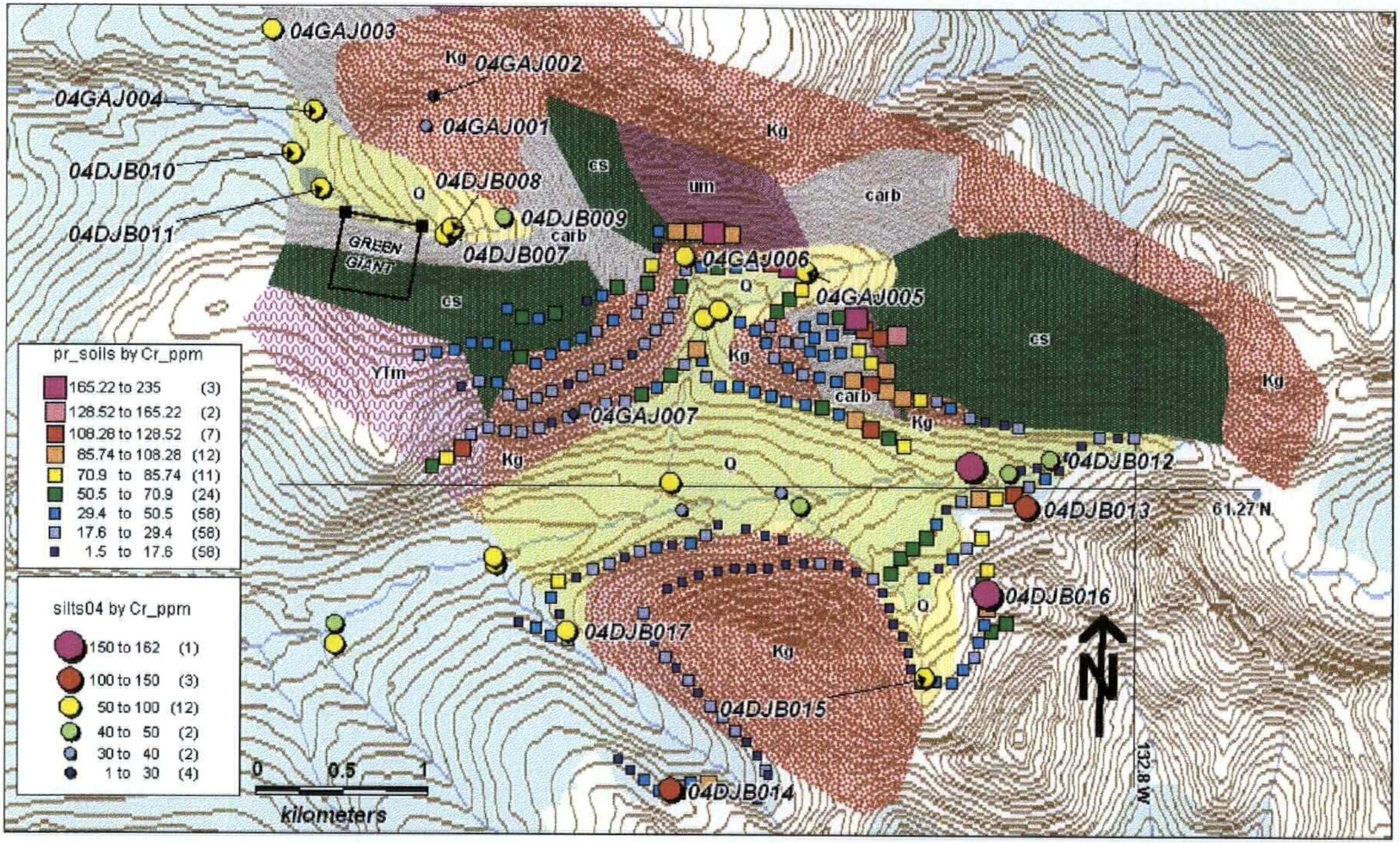

Figure 46. Compilation of 2002/2004 silt and 2004 soil geochemical results for Cr in upper Canol Creek (see fig 4 for creek names and fig 6 for geology). Cr follows the ultramafics and appears to provide confirmation of ultramafic clan rocks on the western ridges, not seen during survey.

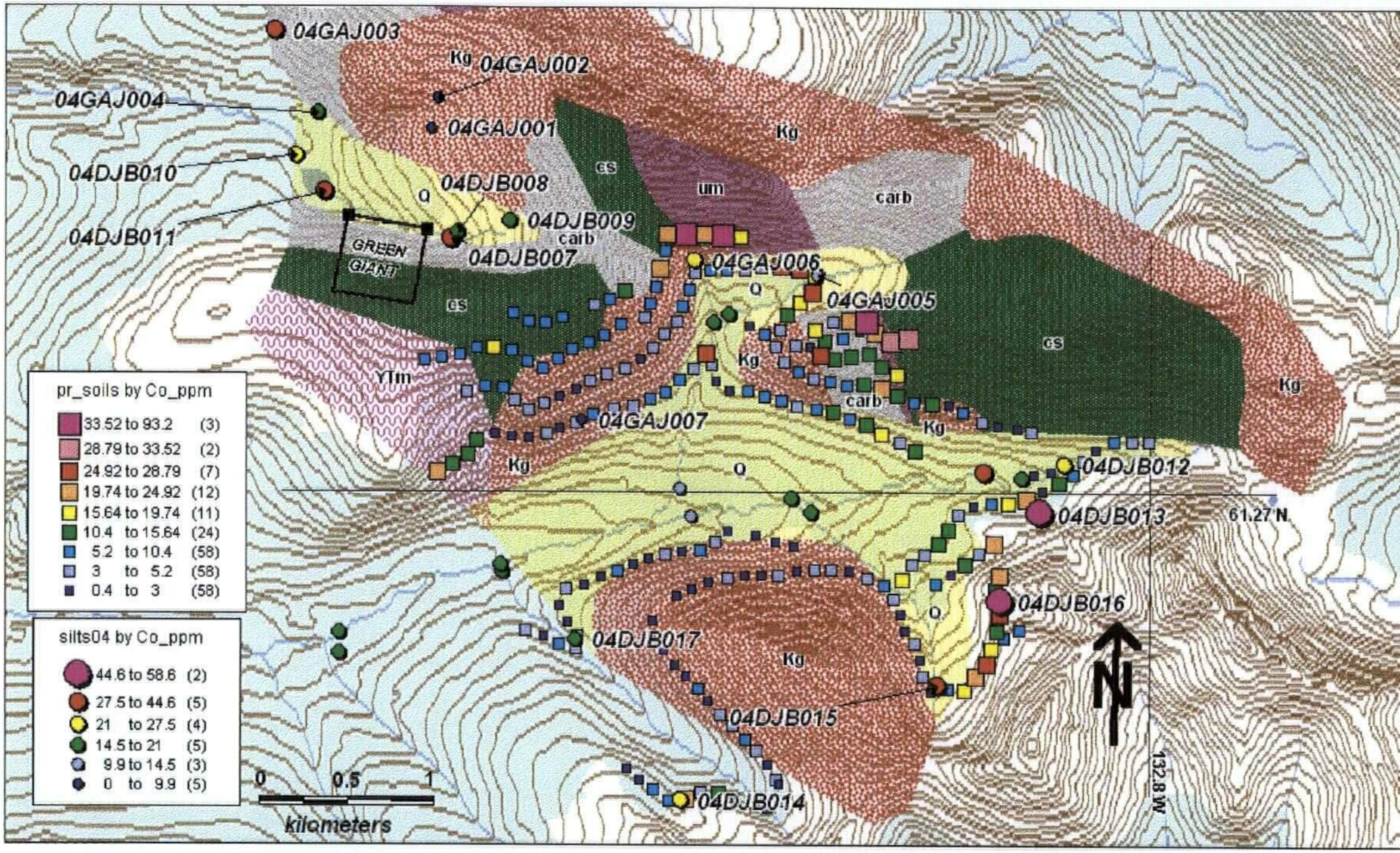

Figure 47. Compilation of 2002/2004 silt and 2004 soil geochemical results for Co in upper Canol Creek (see fig 4 for creek names and fig 6 for geology). Co follows the ultramafic unit like Cr and Ni.

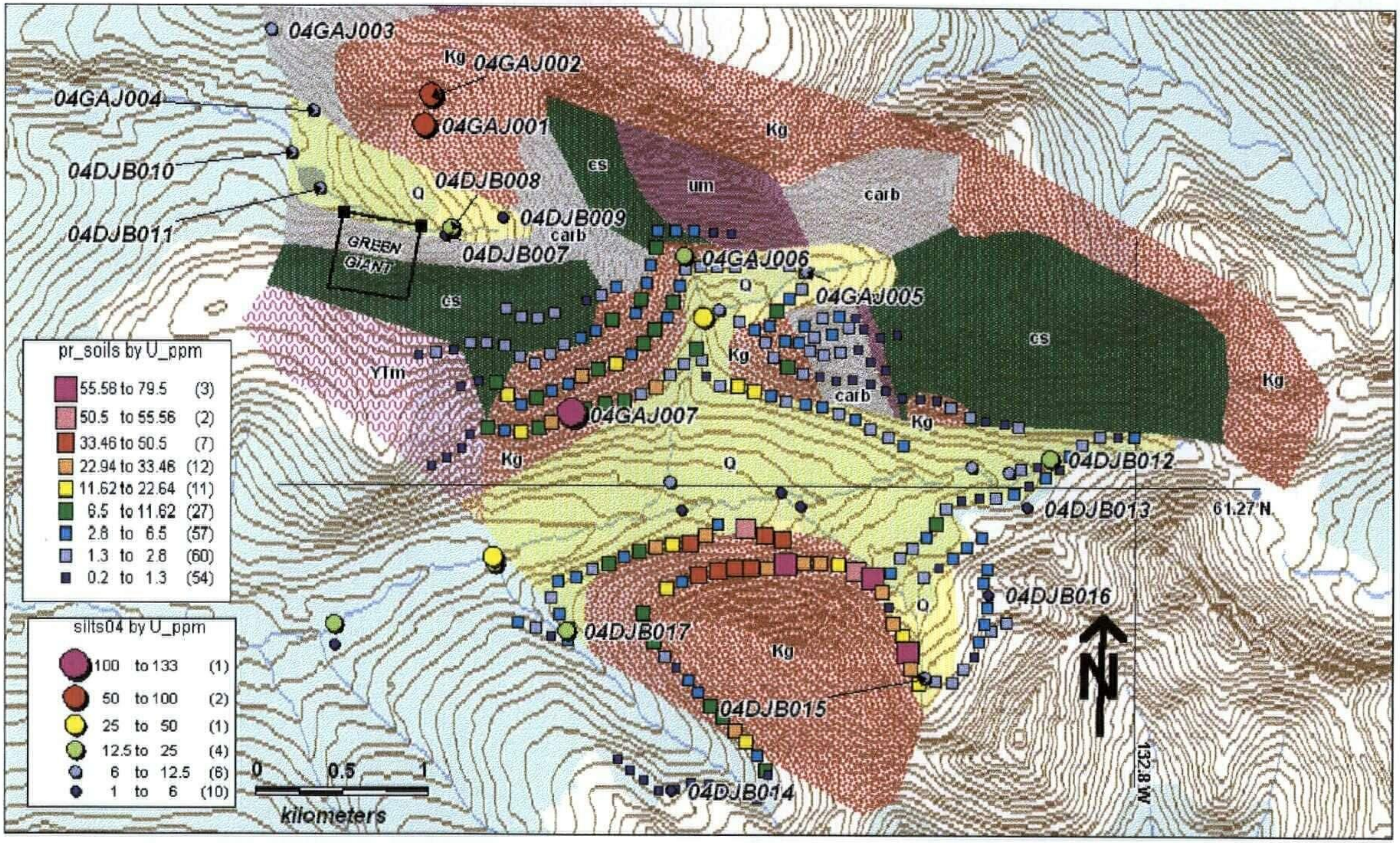

Figure 48. Compilation of 2002/2004 silt and 2004 soil geochemical results for U in upper Canol Creek (see fig 4 for creek names and fig 6 for geology). U appears to be more significant in the southern phase of the Canol Creek intrusive, as does Th.

8. Cost summary

Total expenditures for the 2004 exploration program are $23,540.67 excluding GST which breaks down as follows:

Road Transportation	$ 435.84
Personnel	$ 8,500.00
Living Expenses	$ 1,190.00
Helicopter	$ 7,666.80
Analytical Cost	$ 4,548.03
Report Preparation	$ 1,200.00

This compares to a total budget of $23,121 however helicopter is significantly over budget while analytical cost is under budget because of fewer samples than planned including rock samples that were deferred pending soil results. This is partly due to scheduling difficulties related to the fire season. A detailed cost breakdown is presented in Appendix I along with copies of all invoices.

9. Conclusions and Recommendations

Geochemical soil and stream sediment sampling has tested the hypothesis that there is an intrusion related Au-W-As-Bi system in upper Canol Creek valley. There appears to be a large weakly mineralized system present but it contains very little Au. Three targets may require additional work. Most significant of these is potential for Mo in upper Deer Creek. Lesser priority is investigation of the moderate Pb, Sb > Au, Cu, Ag samples that appear to be pointing to the area southeast of the survey area and investigation of the one line Mo and W soil anomaly along the east side of the Canol Creek granitic body.

Prospecting for beryl did not prove positive however a potentially interesting green garnet (demantiod?) bearing skarn showing was found that may have gemstone potential and should be investigated further.

It is recommended that a modest contour soil sampling survey be carried out over the upper Deer Creek basin along with additional prospecting. In association with that program blast and hand trenching of the Green Giant skarn occurrence is recommended to test the potential of large vugs containing coarse crystals. Since this is only a moderate priority program, gaining access to this area by ATV is likely a prerequisite to control costs and a route should be scouted out.

If returning to the area to do the above work then the two targets in upper Canol Creek should be prospected and additional sampling may be warranted. These targets are low priority and would not warrant a separate mobilization into the area. They would be readily accessible by foot from a base camp in Deer Creek valley.

Respectfully submitted
G. A. Jilson & Associates Inc.

Gregg Jilson,
President

10. References

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Goodfellow, W. D. and Lynch, J. J., 1979. [105F; geochemical, 1:250 000; location, samples, 1:250 000]. National geochemical reconnaissance release NGR 44- 1978. Regional stream sediment and water geochemical reconnaissance data, Yukon Territory. Geological Survey of Canada, Open File 564.

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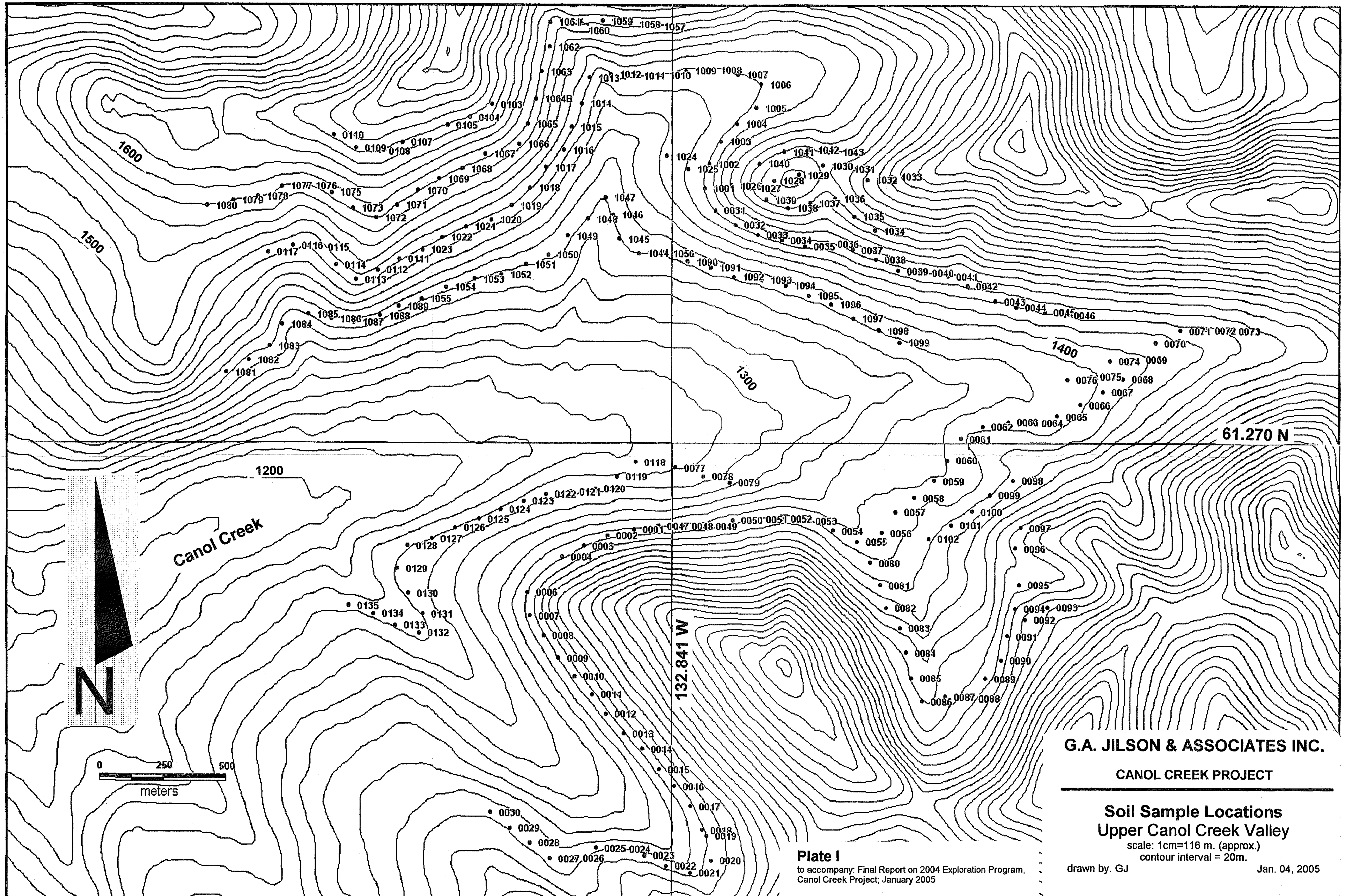
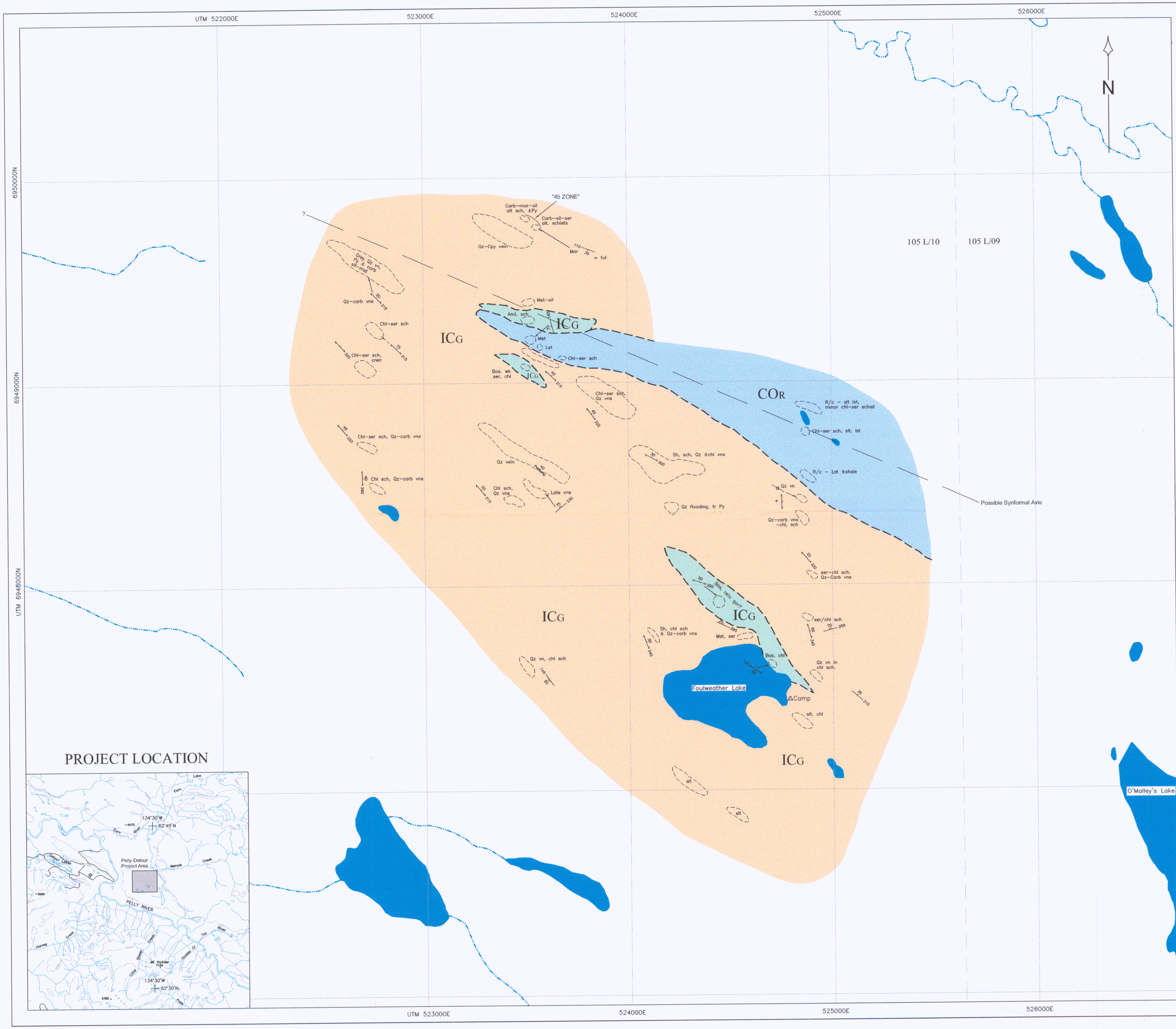


1600
1500
1400
1300
1200
Canol Creek
61.270 N
132.841 W
N
0
250
500
meters
Plate I
to accompany: Final Report on 2004 Exploration Program, Canol Creek Project; January 2005
G.A. JILSON & ASSOCIATES INC.
CANOL CREEK PROJECT
Soil Sample Locations
Upper Canol Creek Valley
scale: 1cm=116 m. (approx.)
contour interval = 20m.
drawn by. GJ
Jan. 04, 2005



LEGEND

CAMBRIAN - ORDOVICIAN

Rabbitkettle Formation

COR — 2: Limestone, silty limestone, thin bedded, possibly mixed with shale

LOWER CAMBRIAN

Gull Lake Formation

ICG — 1b: Andesite - basalt, thin, stratigraphically concordant, minor chlorite alteration

ICG — 1a: Siltstone, mudstone, shale, variably, locally strongly schistose, with variable chlorite, sericite alteration

SYMBOLS

- Strike & dip of bedding, vertical bedding
- Strike & dip of foliation
- Strike & dip of vein
- Fault or shear zone
- Geological contact
- Possible synformal axis
- Outcrop boundary
- Pond or lake, stream

ABBREVIATIONS

Alt	Altered
And	Andesite
Bas	Basalt
Carb	Carbonate
Chl	Chlorite
Cpy	Chalcopyrite
Cren	Crenulated
Gar	Garnet
Lst	Limestone
Mar	Mariposite
Mst	Mudstone
Py	Pyrite
Qz vns	Quartz veins
Qz-carb	Quartz - carbonate veins
R/c	Rubblecrop
Sch	Schist
Ser	Sericite
Slt	Siltstone
Sh	Shale
Tr	Trace
Vns	Veins
Wk	Weak

Scale: 1:10,000

0 — 1000m

metres

Field Exploration and Compilation by

All-Terrane Mineral Exploration Services

Map 1

GEOLOGY MAP

Pelly-Detour Project

Eagle Plains Resources Ltd.

(Year 2004 YMIP Project)

NTS: 105 L/09, 10

Datum: NAD 27 Canada, Zone 8

Date: January 29, 2005

Drafting: Geological Drafting Services

Map 2
SAMPLE LOCATION MAP
Pelly-Detour Project
Eagle Plains Resources Ltd.
(Year 2004 YMIP Project)
NTS: 105 L/09, 10
Datum: NAD 27 Canada, Zone 8
Date: January 29, 2005
Drafting: Geological Drafting Services
LEGEND
RM269738 71/316 /0.008
Rock sample location, rock sample number
Cu, ppm / As, ppm / Au, ppm
(gold shown where above detection limit)
SM269612 125/219 /0.009
Soil sample location, soil sample number
Cu, ppm / As, ppm / Au, ppm
Pond or lake, stream
Scale: 1:10,000
0
1000m
metres
Field Exploration and Compilation by
All-Terrane Mineral Exploration Services
PROJECT LOCATION
Pelly-Detour Project Area
PELLY RIVER
N
105 L/10
105 L/09
Foulweather Lake
O'Malley's Lake
UTM 522000E
523000E
524000E
525000E
526000E
UTM 6950000N
6949000N
6948000N
UTM 6947000N
6946000N

APPENDIX I

Summary of Costs and Invoices

Canol Creek Project - 2004 Field Program - Summary of Costs

(All amounts excluding GST)

		units	unit cost	amount
Transportation				
	July trip (July 13-21 incl)	454 km.	$ 0.48 /km	$ 217.92
	September trip	454 km.	$ 0.48 /km	$ 217.92
	sub-total			**$ 435.84**
Personnel				
	July trip (July 13 - 21 incl.)			
	G. Jilson	9 days	$ 300.00 /day	$ 2,700.00
	D. Brownlee	9 days	$ 200.00 /day	$ 1,800.00
	September trip (Sept 5 - 12 incl.)			
	G. Jilson	8 days	$ 300.00 /day	$ 2,400.00
	D. Brownlee	8 days	$ 200.00 /day	$ 1,600.00
	sub-total			**$ 8,500.00**
Living Expenses				
	July trip	2 x 9 days	$ 35.00 /day	$ 630.00
	September trip	2 x 8 days	$ 35.00 /day	$ 560.00
	sub-total			**$ 1,190.00**
Helicopter				
	Trans North Helicopters			
	32470 -- July 16		$ 1,608.20	$ 1,608.20
	32481 -- July 21		$ 1,462.00	$ 1,462.00
	33537 -- Sept. 5		$ 2,395.80	$ 2,395.80
	34279 -- Sept 12		$ 2,200.80	$ 2,200.80
	sub-total			**$ 7,666.80**
Analytical Costs				
	Acme Analytical Laboratories Ltd.			
	A407167 -- Dec 1		$ 451.10	$ 451.10
	A407166 -- Dec 9		$ 3,962.50	$ 3,962.50
	Greyhound (shipping)		$ 113.36	$ 113.36
	Staples (shipping supplies)		$ 21.07	$ 21.07
	sub-total			**$ 4,548.03**
Report Preparation				
	G. Jilson	4 days	$ 300.00 /day	**$ 1,200.00**

Total	**$ 23,540.67**

REMIT PAYMENT TO:

TRANS NORTH HELICOPTERS

TRANS NORTH TURBO AIR LTD.

ACCOUNT NUMBER	GA JILS
INVOICE NUMBER	32470
INVOICE DATE	29 07 04
AREA	B.C. / YUKON / NWT / ALTA
A/C TYPE	AS350 B
AIRCRAFT REGISTRATION C	6TNU
FLIGHT DATE (DAY / MONTH / YEAR)	16 / 07 / 04
PURCHASE ORDER NO.	

CHARTERER: Greg Jilson GA Jilson & Assc. Inc.

BILLING ADDRESS: 38 DAWSON ROAD
WHITEHORSE, YUKON Y1A 5T6

FUEL & OIL-X TNTA	CUST.	TNTA FUEL USED	HRS/LITRES	FROM
✓		JB	187	YDM

FROM / TO	UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
YDM			
– Big Creek	19:06		Comp S/O
local	19:30	.4	
YDM	19:52		
	20:33	.7	

Please Remit To:
Trans North Helicopters
PO Box #8
Whitehorse, Yukon
Y1A 5X9

1.1	@ 1275	1402	50
	@		
HOLDING TIME:	@ / HR.		
FUEL 187	@ 1.10 / LITRE	205	70
FUEL	@ / LITRE		
MEALS & LODGINGS			
OTHER			
OTHER			
SUB TOTAL		1608	20
GOODS & SERVICES TAX REGISTRATION NO. R121483135		112	57
TOTAL	$	1720	77

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X ______ CHARTERER'S SIGNATURE

CHARTERER'S NAME (PRINTED)

INITIALS: BD6 — PILOTS SIGNATURE

ENGINEER'S NAME

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE – PAY UPON RECEIPT

REMIT PAYMENT TO:

TRANS NORTH HELICOPTERS

TRANS NORTH TURBO AIR LTD.

ACCOUNT NUMBER	GA JILS
INVOICE NUMBER	**32481**

INVOICE DATE	AREA
29 07 04	B.C. / YUKON / NWT / ALTA

CHARTERER: G A Jilson's Assc. Inc.

BILLING ADDRESS: 38 Dawson Rd. 668-3417

Whitehorse YT Y1A-5T6

A/C TYPE	AIRCRAFT REGISTRATION C
AS350B	G T N V

FLIGHT DATE	DAY	MONTH	YEAR
	21	07	04

PURCHASE ORDER NO.

FUEL & OIL-X TNTA	CUST.	TNTA FUEL USED	HRS./LITRES	FROM

FROM / TO	UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
YDM			
Big CK	8:50		Demob camp
South Canol	9:15	.4	
YBM	9:28		
	9:33	.2	
	9:45		
	10:10	.4	

Please Remit To:
Trans North Helicopters
PO Box #8
Whitehorse, Yukon
Y1A 5X9

1.0	@ 1275	1275 00
	@	
HOLDING TIME:	@ / HR.	
FUEL 170	@ 1.10 / LITRE	187 00
FUEL	@ / LITRE	
MEALS & LODGINGS		
OTHER		
OTHER		
SUB TOTAL		1462 00
GOODS & SERVICES TAX REGISTRATION NO. R121483135		102 34
TOTAL	$	1564 34

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X ________ CHARTERER'S SIGNATURE

CHARTERER'S NAME (PRINTED)

INITIALS: BDG

PILOTS SIGNATURE

ENGINEER'S NAME

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT

REMIT PAYMENT TO:
TRANS NORTH HELICOPTERS
TRANS NORTH TURBO AIR LTD.

ACCOUNT NUMBER	GA JILS
INVOICE NUMBER	33537
INVOICE DATE	22 09 04
AREA	B.C. / YUKON / NWT / ALTA
A/C TYPE	BH06
AIRCRAFT REGISTRATION C	FCHY
FLIGHT DATE (DAY / MONTH / YEAR)	05 09 04
PURCHASE ORDER NO.	

G.A. Jilson Associates Inc.
38 Dawson Road
Whitehorse, Yukon
Y1A 5T6

FUEL & OIL-X TNTA	CUST.	TNTA FUEL USED	HRS./LITRES	FROM
✓				4x4

FROM / TO	UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
4x4			
Canol Rd	0900 / 1000	1.0	61° 16' 12.0
4x4	1124 / 1236	1.2	132° 50' 39.9 NAD27 CANADA
			Drop off 2 pax
			& Gear.

Please Remit To:
Trans North Helicopters
PO Box #8
Whitehorse, Yukon
Y1A 5X9

2.2	@ 975.00	2145	00
	@		
HOLDING TIME:	@ / HR.		
FUEL 250.8 LT	@ 1.00 / LITRE	250	80
FUEL	@ / LITRE		
MEALS & LODGINGS			
OTHER			
OTHER			
SUB TOTAL		2395	80
GOODS & SERVICES TAX REGISTRATION NO. R121483135		167	71
TOTAL	$	2563	51

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X
CHARTERER'S SIGNATURE

CHARTERER'S NAME (PRINTED)

INITIALS GWS
PILOT'S SIGNATURE
ENGINEER'S NAME

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT

Paid Chq 512
Oct 5 2004

REMIT PAYMENT TO:
TRANS NORTH HELICOPTERS
TRANS NORTH TURBO AIR LTD.

ACCOUNT NUMBER	GAJILS
INVOICE NUMBER	34279
INVOICE DATE	20 09 04
AREA	B.C. / YUKON / NWT / ALTA
A/C TYPE	B206
AIRCRAFT REGISTRATION C	FDRZ
FLIGHT DATE (DAY / MONTH / YEAR)	12 / 09 / 04
PURCHASE ORDER NO.	

G.A. Jilson Associates Inc.
38 Dawson Road
Whitehorse, Yukon
Y1A 5T6

FUEL & OIL-X TNTA	CUST.	TNTA FUEL USED	HRS./LITRES	FROM
✓			2.0	RR

FROM / TO	UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
FROM Ross River			
TO Big Creek Area			
3 Trips to Camp			
Ross River			

P

Please Remit To:
Trans North Helicopters
PO Box #8
Whitehorse, Yukon
Y1A 5X9

	@		
2.0	@ 975.00	1950	00
~~HOLDING~~ TIME:	@ / HR.		
FUEL 228 LT	@ 1.10 / LITRE	250	80
FUEL	@ / LITRE		
MEALS & LODGINGS			
OTHER			
OTHER			
SUB TOTAL		2200	80
GOODS & SERVICES TAX REGISTRATION NO. R121483135		154	06
TOTAL	$	2354	86

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X ______ CHARTERER'S SIGNATURE

______ CHARTERER'S NAME (PRINTED)

INITIALS SHD ______ PILOT'S SIGNATURE

ENGINEER'S NAME

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE – PAY UPON RECEIPT

Paid Cheq 512
Oct 5 2004

ACME ANALYTICAL LABORATORIES LTD.

852 East Hastings,, Vancouver, B.C., CANADA V6A 1R6
Phone: (604) 253-3158 Fax: (604) 253-1716
Our GST # 100035377 RT

G.A. JILSON & ASSOCIATES INC.
38 Dawson Road
Whitehorse, YT
Y1A 5T6

Inv.#: **A407166**
Date: Dec 9 2004

QTY	ASSAY	PRICE	AMOUNT
250	GROUP 1DX (15 gm) @	14.00	3500.00
250	SS80 - SOIL @	1.60	400.00
250	DISP2 @	0.25	62.50
	GST Taxable		3962.50
	7.00% GST		277.38
	CAD $		**4239.88**

Samples submitted by Gregg Jilson

COPIES 1

Please pay last amount shown. Return one copy of this invoice with payment.
TERMS: Net two weeks. 1.5 % per month charged on overdue accounts.

[COPY 1]

ACME ANALYTICAL LABORATORIES LTD.

852 East Hastings,, Vancouver, B.C., CANADA V6A 1R6
Phone: (604) 253-3158 Fax: (604) 253-1716
Our GST # 100035377 RT

G.A. JILSON & ASSOCIATES INC.
38 Dawson Road
Whitehorse, YT
Y1A 5T6

Inv.#: **A407167**
Date: Dec 1 2004

QTY	ASSAY	PRICE	AMOUNT
26	GROUP 1DX (30 gm) @	15.50	403.00
26	SS80 - SILT @	1.60	41.60
26	DISP2 @	0.25	6.50
	GST Taxable		451.10
	7.00% GST		31.58
	CAD $		**482.68**

Samples submitted by Gregg Jilson

COPIES 1

Please pay last amount shown. Return one copy of this invoice with payment.
TERMS: Net two weeks. 1.5 % per month charged on overdue accounts.

[COPY 2]

GREYHOUND CDA TRANS CORP

GST NO.891646655RT1 WAYBILL NO. 71497547645

VANCOUVER BC **PREPAID ADV PUR**	WHITEHORSE 497 307144 11/12/04 12:00 PM 21 ACTUAL WEIGHT 196.4 LBS DECLARED VALUE NDV
CONSIGNEE ACM001 REF: ACME ANALYTICAL LAB LTD 852 E HASTINGS ST VANCOUVER BC V6A1R6 604-253-3158	6 BOXES
SHIPPER GREG JILSON WHITEHORSE YT REFERENCE:	EXPRESS 113.36 GSTBC 7.94 TOTAL 121.30

STATTON TO DOOR

FORM 256 REV 01/10/03

SHIPPER RECEIPT

...ITY LIMITED TO $50 FOR LOSS OR DAMAGE HOWSOEVER OCCASIONED UNLESS A GREATER VALUE DECLARED AT TIME OF SHIPPING. REFER TO TERMS AND CONDITIONS OF CARRIAGE FOR DETAILS OR CONSULT AGENT.

STAPLES Business Depot
Store # 251
303 Ogilvie Street Unit 1
WhiteHorse, YT
867-633-2550

Sale		00014 3 001 76952
		0251 11/12/04 12:20
1	FILAMENT TAPE .	
	718103468183	2.86G
1	FILAMENT TAPE .	
	718103468183	2.86G
1	TAPE:CRYSTAL CLEAR	
	075353073995	15.35G
Subtotal		21.07
	GST 7.00%	1.47
Total		$22.54
[redacted]		22.54
[redacted]		[redacted]
Visa	Swiped	Purchase
Authorization Number		011167
0019	4930	77004271
00000014	2004/11/12	12:19:19
000 APPROVED-THANK YOU		

****
Thank you for shopping at
STAPLES Business Depot!
We will not be undersold!
****

FOR CUSTOMER SERVICE CALL 1-866-STAPLES
OR EMAIL TO customer_service@busdep.com

INTERESTED IN EXPLORING A CAREER WITH US?
VISIT WWW.GREATCAREERSATSTAPLES.CA

GST No. 126152586

0 2 5 1 1 1 1 2 0 4 7 6 9 5 2 0 1

APPENDIX II

Certified Geochemical Results

	Group 1DX Detection	Upper Limit
Ag	0.1 ppm	100 ppm
Al*	0.01 %	10 %
As	0.5 ppm	10000 ppm
Au	0.5 ppb	100 ppm
B*	1 ppm	2000 ppm
Ba*	1 ppm	1000 ppm
Bi	0.1 ppm	2000 ppm
Ca*	0.01 %	40 %
Cd	0.1 ppm	2000 ppm
Co	0.1 ppm	2000 ppm
Cr*	1 ppm	10000 ppm
Cu	0.1 ppm	10000 ppm
Fe*	0.01 %	40 %
Ga*	1 ppm	1000 ppm
Hg‡	0.01 ppm	100 ppm
K*	0.01 %	10 %
La*	1 ppm	10000 ppm
Mg*	0.01 %	30 %
Mn*	1 ppm	10000 ppm
Mo	0.1 ppm	2000 ppm
Na*	0.001 %	10 %
Ni	0.1 ppm	10000 ppm
P*	0.001 %	5 %
Pb	0.1 ppm	10000 ppm
S	0.05 %	10 %
Sb	0.1 ppm	2000 ppm
Sc	0.1 ppm	100 ppm
Se	0.5 ppm	1000 ppm
Sr*	1 ppm	10000 ppm
Th*	0.1 ppm	2000 ppm
Ti*	0.001 %	10 %
Tl‡	0.1 ppm	1000 ppm
U*	0.1 ppm	2000 ppm
V*	2 ppm	10000 ppm
W*	0.1 ppm	100 ppm
Zn	1 ppm	10000 ppm

ACME AN TICAL LABORATORIES LTD. 852 E. HASTINGS ST. COUVER BC V6A 1R6 PHONE(604)253-3158 FAX(60 53-1716
(IS 002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

G.A. Jilson & Associates Inc. File # A407167

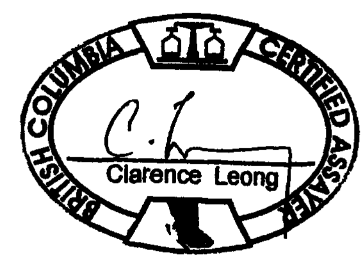
38 Dawson Road, Whitehorse YT Y1A 5T6 Submitted by: Gregg Jilson

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm
G-1	1.6	3.0	2.4	48	<.1	5.0	4.7	596	1.96	<.5	1.9	.6	4.4	79	<.1	<.1	.1	44
04GAJ001	3.2	25.7	10.2	211	1.3	23.5	6.8	846	1.40	24.0	68.1	9.8	8.1	40	5.7	1.1	3.8	31
04GAJ002	3.1	16.2	11.7	72	.1	75.1	5.3	444	1.69	12.3	67.1	1.8	23.4	13	.3	.6	4.5	20
04GAJ003	21.8	101.2	16.7	579	.8	217.1	36.5	1771	4.55	22.6	6.9	7.5	3.2	119	8.9	3.7	.4	98
04GAJ004	15.6	31.8	11.6	192	.2	161.9	18.0	794	2.93	13.7	9.4	1.7	11.3	34	1.2	.7	.8	95
04GAJ005	3.8	39.2	8.2	80	.3	114.7	12.5	392	2.33	168.1	8.0	4.4	3.3	16	.3	1.4	.6	53
04GAJ006	6.4	70.9	17.9	512	.6	138.2	23.6	608	3.16	67.0	24.0	7.1	4.7	43	4.2	2.2	7.2	70
04GAJ007	11.9	115.1	23.9	302	.3	39.7	5.1	287	1.79	42.0	132.8	10.6	59.4	15	.9	1.1	15.5	23
04GAJ008	.5	6.9	7.3	36	<.1	14.0	6.1	226	2.26	7.5	3.2	1.1	33.8	21	.2	.3	.3	49
04DJB001	6.0	42.5	11.9	151	.4	265.1	27.5	963	3.09	14.7	2.4	3.6	4.3	62	2.2	1.8	.2	75
04DJB002	1.2	33.7	4.9	51	.2	231.6	14.5	659	2.09	20.7	48.5	2.7	5.5	28	.2	.8	.3	39
04DJB003	2.8	20.1	5.4	66	.2	77.7	10.3	982	1.68	5.1	2.2	2.0	4.9	30	.5	.5	.1	43
04DJB004	.5	8.1	4.0	41	<.1	35.1	6.7	611	1.21	5.0	1.5	1.1	10.1	26	.1	.3	.1	23
04DJB005	.3	17.4	4.3	36	.1	20.9	5.8	390	1.74	7.6	4.0	1.2	6.4	28	.2	.3	.1	22
RE 04DJB004	.5	8.3	4.0	40	<.1	34.5	6.9	595	1.20	4.9	1.4	1.6	9.6	25	.1	.3	.1	22
04DJB006	.8	16.3	6.4	47	.1	27.5	9.9	940	2.31	10.9	1.4	1.9	4.3	26	.2	.5	.1	35
04DJB007	12.2	124.4	22.0	636	.8	198.8	31.2	884	4.71	69.0	5.5	16.8	4.0	102	5.5	3.7	4.5	120
04DJB008	21.5	91.7	13.2	344	.5	102.5	16.5	366	3.44	73.5	24.0	11.1	2.0	52	2.0	2.3	9.3	120
04DJB009	8.1	80.7	9.8	139	.2	49.5	16.7	701	3.33	32.6	3.9	4.8	5.9	33	1.3	1.5	15.4	65
04DJB010	26.4	94.4	13.5	426	.5	122.0	23.3	583	4.00	66.9	9.2	12.7	2.4	58	7.5	2.3	4.1	147
04DJB011	16.7	98.1	12.8	529	.5	139.9	28.9	790	4.20	73.7	10.6	15.4	2.6	66	6.5	2.3	3.7	139
04DJB012	7.8	135.3	73.6	394	.7	73.4	21.0	1472	3.97	151.9	18.8	11.1	8.4	18	2.7	16.6	1.2	83
04DJB013	5.8	151.7	26.2	233	.7	395.6	58.6	1135	4.60	77.1	2.4	16.4	3.7	52	3.0	7.0	2.1	81
04DJB014	1.7	60.2	8.1	219	.3	85.1	25.3	770	3.67	29.5	1.1	1.1	1.0	47	2.2	2.3	.3	84
04DJB015	7.6	85.3	10.6	142	.1	52.9	28.2	1298	3.71	60.4	7.8	8.4	6.3	80	.6	1.3	4.8	75
04DJB016	16.5	114.6	15.5	406	.7	187.9	44.6	1031	4.92	107.9	5.4	20.9	4.3	94	4.3	2.9	2.2	157
04DJB017	12.7	37.1	8.8	153	.2	52.5	16.8	1179	3.11	61.0	13.0	2.4	4.4	27	1.7	1.4	2.7	56
04DJB018	.6	7.7	7.6	37	<.1	15.8	6.7	238	2.40	8.2	5.1	.5	32.0	22	.1	.3	.2	52
STANDARD DS6	11.4	123.3	30.7	144	.3	25.7	11.1	715	2.74	20.8	6.7	46.6	3.1	38	5.9	3.6	4.9	58

SAMPLE#	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	.51	.080	7	14.4	.61	252	.136	<1	.93	.074	.50	1.6	<.01	2.2	.3	<.05	5	<.5	30.0
04GAJ001	.76	.138	58	30.3	.17	81	.025	2	1.35	.013	.13	4.9	.06	1.7	.4	.12	4	5.4	7.5
04GAJ002	.26	.076	100	27.8	.32	74	.032	1	1.65	.008	.14	2.2	.05	2.2	.4	.06	6	3.2	15.0
04GAJ003	.79	.164	16	56.4	1.14	122	.016	2	2.03	.046	.17	.7	.03	3.4	.3	.28	5	13.0	15.0
04GAJ004	.35	.086	26	67.1	1.24	110	.047	2	1.79	.028	.09	1.4	.02	4.2	.3	.10	6	2.2	1.0
04GAJ005	.31	.061	13	62.9	.68	276	.034	2	1.38	.011	.05	1.5	.02	3.3	.2	.08	5	2.1	30.0
04GAJ006	.60	.122	27	68.1	1.00	114	.042	2	1.74	.024	.10	4.9	.03	4.5	.3	.06	5	2.7	30.0
04GAJ007	.32	.076	62	22.5	.24	91	.017	3	2.93	.008	.05	3.3	.07	4.5	.6	<.05	6	2.4	7.5
04GAJ008	.57	.176	67	21.1	.40	58	.039	1	.72	.011	.06	1.5	<.01	1.6	.1	<.05	3	<.5	1.0
04DJB001	.63	.094	14	125.1	2.00	188	.052	3	1.84	.040	.11	.4	.03	4.7	.3	.06	5	2.8	30.0
04DJB002	.58	.104	44	74.5	1.35	220	.040	4	1.47	.015	.12	1.0	.05	3.0	.3	.11	4	3.8	15.0
04DJB003	.52	.081	15	73.8	.83	205	.049	2	1.20	.015	.08	.4	.03	3.0	.2	<.05	4	.9	30.0
04DJB004	.46	.080	21	25.7	.43	180	.056	1	.76	.010	.07	.7	.01	1.9	.2	<.05	3	.7	30.0
04DJB005	.64	.078	61	21.3	.36	155	.036	1	.68	.009	.06	.7	.04	2.4	.1	<.05	2	1.4	30.0
RE 04DJB004	.46	.080	20	25.2	.43	186	.055	1	.77	.009	.07	.9	.02	1.9	.2	<.05	3	.7	30.0
04DJB006	.55	.077	16	35.1	.52	189	.043	1	.96	.010	.06	.3	.02	2.9	.1	<.05	3	.7	30.0
04DJB007	.69	.096	22	74.5	1.32	179	.064	1	2.93	.032	.40	3.7	.03	8.1	.9	<.05	8	6.7	30.0
04DJB008	.58	.117	24	68.0	.80	98	.041	2	2.24	.020	.11	16.5	.05	4.6	.4	.09	7	6.1	30.0
04DJB009	.27	.109	20	41.6	.51	125	.069	1	1.56	.019	.12	19.2	.03	3.8	.4	.07	5	2.1	30.0
04DJB010	.95	.108	19	73.6	1.28	154	.060	2	3.13	.027	.19	7.0	.06	7.5	.6	.17	9	15.0	30.0
04DJB011	.78	.104	17	70.6	1.15	147	.059	2	2.79	.029	.24	7.4	.03	7.2	.6	.07	8	5.8	30.0
04DJB012	.30	.063	35	49.6	.75	770	.059	1	1.88	.015	.25	1.2	.06	6.7	.5	.07	7	2.2	15.0
04DJB013	.51	.078	9	128.0	2.32	296	.083	2	2.39	.048	.17	1.0	.02	6.7	.5	.08	6	2.3	30.0
04DJB014	.46	.124	16	115.0	1.41	374	.128	1	2.83	.013	.39	.2	.02	3.8	.3	<.05	10	1.3	30.0
04DJB015	.70	.085	21	67.2	1.09	244	.073	1	2.66	.053	.41	2.7	.03	7.3	1.0	<.05	8	.6	30.0
04DJB016	.70	.100	10	161.8	1.95	242	.120	1	4.55	.070	.50	.4	.02	10.3	1.0	.11	12	5.8	30.0
04DJB017	.43	.101	16	56.4	.64	239	.072	1	2.33	.013	.19	3.4	.05	3.3	.4	<.05	6	2.1	30.0
04DJB018	.60	.190	70	22.2	.43	81	.040	1	.71	.011	.06	1.4	<.01	1.9	.1	<.05	3	<.5	15.0
STANDARD DS6	.81	.074	14	183.2	.58	162	.076	17	1.79	.074	.14	3.6	.24	3.3	1.7	<.05	6	4.6	30.0

GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SILT SS80 60C <u>Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.</u>

Data d FA _____ DATE RECEIVED: NOV 15 2004 DATE REPORT MAILED: Nov. 30/04



ACME A YTICAL LABORATORIES LTD. 852 E. HASTINGS ST. COUVER BC V6A 1R6 PHONE(604)253-3158 FAX(60 53-1716
(I 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

G.A. Jilson & Associates Inc. File # A407166 Page 1

38 Dawson Road, Whitehorse YT Y1A 5T6 Submitted by: Gregg Jilson

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	1.4	2.9	2.7	45	<.1	4.1	4.2	563	1.91	.5	1.7	.5	4.2	81	<.1	<.1	.1	43	.53	.077	8	13.8	.58	258	.106	1	.93	.095	.52	1.7	.01	3.0	.3	<.05	5	<.5	15.0
001	13.9	48.4	23.5	36	.1	5.1	3.1	268	2.84	75.4	48.7	1.9	31.0	5	.1	3.0	12.2	21	.07	.038	18	10.6	.13	28	.024	<1	.89	.009	.08	40.6	.04	2.6	1.0	<.05	8	1.0	15.0
002	2.7	4.4	16.1	34	<.1	1.2	1.0	197	.84	24.9	33.7	1.0	39.1	2	.2	1.0	.9	3	.08	.012	13	1.7	.05	15	.005	<1	.60	.003	.07	2.6	.03	1.9	.9	<.05	5	.7	15.0
003	.5	4.8	2.5	9	<.1	1.5	1.3	38	.51	1.7	3.3	.5	.4	6	<.1	.1	.4	13	.05	.027	3	2.6	.06	22	.018	<1	.32	.025	.03	.8	.01	.3	.1	<.05	2	<.5	15.0
004	4.4	12.9	10.7	18	<.1	2.2	1.6	116	1.20	16.3	12.1	1.9	3.6	4	.1	.5	5.0	17	.03	.038	9	6.0	.06	20	.015	<1	.58	.015	.04	11.6	.03	.8	.3	<.05	4	<.5	15.0
005	.6	8.1	8.5	39	.1	14.9	6.4	254	2.78	8.0	5.4	<.5	40.0	25	.2	.3	.5	59	.68	.223	80	24.3	.42	93	.033	1	.74	.013	.07	2.4	<.01	1.8	.1	<.05	4	<.5	7.5
006	1.9	12.1	12.5	33	<.1	9.0	2.9	229	1.49	13.0	11.2	1.1	6.2	7	.1	.8	3.3	26	.09	.049	12	18.7	.23	39	.030	1	.75	.007	.06	6.0	.04	1.4	.2	<.05	5	.5	15.0
007	5.1	11.2	21.6	13	.2	1.7	.5	62	.72	38.1	8.7	2.0	8.7	3	.1	1.3	10.5	16	.03	.013	15	5.7	.03	16	.021	<1	.36	.002	.04	6.9	.01	.5	.2	<.05	4	<.5	15.0
008	2.0	10.2	7.2	11	.3	2.4	1.0	46	.55	5.1	6.6	.9	.4	4	<.1	.2	3.1	14	.04	.031	7	6.2	.06	23	.011	<1	.62	.016	.03	3.4	.02	.3	.3	<.05	3	.6	15.0
009	4.5	12.4	8.0	32	.1	10.9	2.8	300	1.61	10.7	1.9	<.5	2.3	5	.1	.6	4.9	52	.07	.034	10	24.6	.17	63	.070	1	.60	.004	.08	5.5	.03	1.1	.2	<.05	6	<.5	15.0
0010	.2	1.9	.7	6	.2	.6	.8	23	.37	<.5	.2	<.5	<.1	5	<.1	<.1	.2	13	.03	.013	1	1.5	.02	10	.012	<1	.14	.022	.02	.2	.02	.2	<.1	<.05	1	<.5	15.0
0011	2.6	18.4	8.1	30	<.1	16.7	5.2	171	1.82	16.2	4.5	2.9	9.1	9	.1	.6	3.6	37	.15	.037	14	27.3	.30	47	.043	1	1.00	.006	.05	10.1	.02	1.7	.3	<.05	4	.5	15.0
0012	2.3	11.2	4.9	14	<.1	4.2	2.1	71	.96	8.3	3.0	1.4	2.5	5	.1	.3	4.4	20	.05	.024	6	10.2	.09	20	.027	<1	.66	.019	.05	10.8	.03	.8	.2	<.05	3	<.5	15.0
0013	5.3	22.0	8.8	36	.1	13.1	4.6	270	1.64	15.0	7.5	3.5	5.7	9	.2	.6	8.6	32	.15	.055	14	22.1	.26	55	.034	1	.89	.012	.10	18.0	.04	1.4	.3	<.05	4	<.5	15.0
0014	12.7	27.6	10.8	40	<.1	13.3	4.5	243	1.92	16.2	10.1	1.2	5.0	9	.1	.6	9.8	33	.12	.044	16	25.3	.28	56	.025	1	1.10	.007	.11	27.5	.03	1.4	.4	<.05	5	.5	15.0
0015	25.8	66.4	18.4	52	.1	19.5	5.7	267	2.28	17.7	33.3	1.7	9.4	9	.1	.8	12.8	32	.12	.066	22	25.9	.36	89	.018	1	1.53	.013	.16	11.6	.06	2.2	.6	<.05	6	1.0	7.5
RE 0015	26.1	66.6	20.2	52	.1	19.5	5.8	268	2.27	17.4	34.7	2.0	9.2	9	.3	.8	13.3	32	.12	.067	22	26.0	.36	92	.017	1	1.56	.014	.16	12.2	.07	2.1	.6	<.05	6	1.0	7.5
0016	21.5	34.9	13.0	36	.1	13.5	3.9	204	1.63	14.9	19.6	1.1	6.9	11	.2	.6	7.4	23	.16	.057	14	16.8	.26	68	.020	1	1.12	.019	.17	10.6	.03	1.6	.5	<.05	5	.6	15.0
0017	4.7	10.6	3.5	15	<.1	4.7	2.3	104	.77	5.9	3.1	<.5	.5	8	<.1	.2	1.8	20	.10	.050	5	9.3	.16	43	.022	1	.70	.026	.06	1.9	.01	.7	.2	<.05	3	<.5	15.0
0018	30.7	22.5	9.4	31	.1	11.0	3.0	125	1.36	15.7	7.6	2.1	2.9	8	.1	.6	6.8	27	.08	.047	7	19.5	.25	65	.026	1	1.04	.018	.10	12.2	.02	1.2	.3	<.05	5	.5	15.0
0019	2.1	3.7	1.7	10	.1	2.9	1.2	41	.48	1.3	.4	<.5	.1	5	.1	.1	.2	14	.04	.030	2	6.7	.09	28	.021	<1	.48	.020	.03	.2	.01	.2	<.1	<.05	3	<.5	15.0
0020	2.2	8.4	2.2	23	.1	9.0	3.3	168	.73	5.3	.6	<.5	.1	9	.2	.4	.2	21	.11	.050	4	14.7	.20	62	.025	<1	.71	.028	.03	.4	.01	.6	.1	<.05	3	.6	15.0
0020A	.7	6.5	6.4	31	<.1	12.5	5.4	201	2.44	6.2	7.7	<.5	41.6	20	.2	.2	.2	56	.56	.188	67	18.7	.34	75	.027	1	.58	.010	.05	4.2	.01	1.3	.1	<.05	3	<.5	1.0
0021	.3	4.3	1.0	8	<.1	1.6	1.3	40	.45	.7	.2	<.5	<.1	6	<.1	.1	.1	17	.04	.019	1	4.1	.07	22	.026	<1	.34	.029	.03	.1	.01	.3	<.1	<.05	2	<.5	15.0
0022	.4	7.8	2.1	20	.1	7.0	2.3	70	.73	4.1	.3	<.5	<.1	8	.2	.5	.1	24	.06	.029	2	11.5	.14	37	.028	<1	.37	.023	.05	.1	.02	.4	<.1	<.05	2	<.5	15.0
0023	.2	3.5	1.0	7	<.1	1.4	1.2	34	.43	<.5	.2	<.5	<.1	6	.1	<.1	<.1	13	.04	.027	1	3.1	.06	21	.016	<1	.38	.033	.02	<.1	.01	.3	<.1	<.05	1	<.5	15.0
0024	2.5	48.8	7.0	149	.2	53.5	12.7	543	2.78	14.0	1.0	.5	2.0	39	.4	1.7	.3	93	.37	.092	13	86.2	.99	439	.088	1	2.35	.016	.35	.2	.02	4.6	.3	<.05	8	.8	15.0
0025	1.4	20.6	5.5	56	.2	23.0	5.1	199	1.77	5.7	.6	<.5	.4	11	.1	.8	.3	61	.10	.054	7	45.9	.45	166	.062	<1	1.32	.014	.10	.3	.02	1.8	.1	.08	7	.5	15.0
0026	1.5	58.9	7.0	191	.2	101.7	21.9	736	3.69	26.8	1.0	1.0	1.5	38	.9	1.9	.3	80	.32	.100	15	149.1	1.64	409	.122	<1	2.89	.016	.31	.1	.02	3.9	.4	<.05	9	.6	15.0
0027	1.8	17.0	4.1	36	.2	55.0	7.2	281	1.35	8.8	.6	<.5	<.1	12	.2	.9	.1	35	.12	.090	4	42.5	.46	92	.026	<1	1.25	.028	.07	.1	.02	.6	.1	.08	5	<.5	15.0
0028	1.4	14.3	4.9	54	.1	30.9	5.3	194	1.41	7.1	.4	<.5	.1	10	.7	1.3	.2	35	.06	.058	4	36.2	.36	89	.034	1	.95	.019	.07	.1	.03	.7	.1	<.05	5	<.5	15.0
0029	2.7	9.4	4.9	18	.2	7.6	2.2	153	.88	4.4	.4	<.5	<.1	8	<.1	.8	.3	34	.05	.034	5	11.6	.09	50	.029	<1	.49	.017	.04	.1	.02	.4	.1	<.05	4	<.5	15.0
0030	.6	7.0	2.8	11	.1	5.9	1.9	58	.68	1.8	.3	1.6	<.1	5	<.1	.3	.1	22	.06	.040	4	15.3	.11	24	.013	<1	.43	.020	.03	.1	.02	.2	.1	<.05	3	<.5	15.0
0031	2.7	12.8	8.6	57	.3	13.3	3.0	136	1.46	5.9	2.0	1.0	4.2	12	.6	.7	1.6	57	.12	.032	11	20.8	.17	58	.046	1	.86	.015	.06	1.6	.04	1.4	.1	<.05	5	1.1	15.0
0032	3.0	24.6	16.9	114	.2	36.3	7.1	523	2.08	25.6	9.8	3.7	29.3	25	.7	1.5	4.7	47	.35	.076	23	31.9	.43	135	.056	<1	1.51	.016	.23	2.5	.01	3.0	.5	<.05	7	1.3	15.0
STANDARD DS6	11.9	125.7	30.5	148	.3	25.5	10.9	744	2.86	21.6	6.6	50.3	3.3	42	6.2	3.3	4.9	60	.87	.078	15	195.2	.61	174	.077	17	1.88	.077	.17	3.2	.24	3.4	1.8	<.05	7	4.4	15.0

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C <u>Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.</u>

Data N **FA** ____ **DATE RECEIVED:** NOV 15 2004 **DATE REPORT MAILED:** Dec 8/04...

BRITISH COLUMBIA CERTIFIED ASSAYER — Clarence Leong

ACME ANALYTICAL

G.A. Jilson & Associates Inc. FILE # A407166

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	1.5	2.8	2.3	47	<.1	4.3	4.2	569	1.95	<.5	1.6	<.5	4.1	80	<.1	<.1	.1	40	.50	.082	7	13.6	.57	253	.129	<1	.90	.066	.52	1.7	<.01	2.1	.4	<.05	5	<.5	15.0
0033	6.7	22.0	13.3	59	.6	18.5	3.9	302	1.85	10.0	1.4	1.3	.2	19	1.0	1.3	2.3	74	.11	.044	9	27.1	.16	104	.027	<1	.74	.006	.08	.8	.01	.6	.2	<.05	6	1.1	15.0
0033A	.7	8.4	9.4	43	.1	17.5	7.1	292	3.21	9.2	4.7	.5	45.0	27	.2	.3	.6	66	.77	.263	88	27.0	.45	100	.045	1	.80	.013	.08	2.1	<.01	2.0	.1	<.05	4	<.5	7.5
0034	6.8	37.2	11.5	111	.3	44.3	8.0	354	3.14	25.8	1.2	1.4	.4	44	1.0	2.3	1.1	91	.28	.071	11	49.6	.40	314	.027	<1	1.61	.011	.10	.6	.03	1.3	.3	<.05	8	2.7	15.0
0035	4.0	24.9	9.3	95	.3	41.5	7.1	296	2.25	19.3	.8	1.2	.5	32	2.9	1.5	.4	59	.15	.050	8	37.5	.38	158	.034	<1	1.18	.010	.06	.4	.01	1.2	.1	<.05	7	1.8	15.0
0036	1.2	21.1	8.5	85	.1	181.7	12.1	444	2.30	56.8	.6	<.5	.3	14	.7	2.0	.6	46	.13	.062	8	97.9	1.04	237	.027	<1	1.37	.007	.05	.5	.03	1.5	.1	<.05	5	<.5	15.0
0037	.4	23.8	5.0	40	.1	317.4	24.1	504	2.12	67.5	.6	13.5	.5	12	.1	1.3	1.0	34	.10	.040	6	113.1	1.46	153	.026	<1	1.22	.013	.03	.7	<.01	1.6	.1	<.05	4	.5	15.0
0038	.4	23.9	4.5	34	.1	201.5	10.4	186	1.52	27.2	.6	1.4	.6	12	.1	.9	.6	33	.14	.050	8	90.4	1.12	179	.026	<1	1.24	.009	.03	.4	<.01	1.7	.1	.06	4	<.5	15.0
0039	.5	15.8	30.2	43	.2	116.9	9.4	450	1.58	32.3	.3	4.9	.2	9	.3	6.2	.4	38	.10	.039	6	97.8	.76	155	.027	<1	.80	.005	.03	.4	.01	1.1	.1	<.05	4	<.5	15.0
0040	.5	18.3	5.8	45	.1	134.1	10.9	248	1.57	13.1	.6	.9	.5	7	.5	1.1	.6	29	.10	.038	5	73.3	.95	46	.026	<1	1.22	.011	.03	.7	<.01	1.1	.2	<.05	4	<.5	15.0
0041	.7	14.7	6.9	32	.1	19.5	2.6	311	1.20	14.1	.8	<.5	.4	4	.1	1.4	.3	41	.03	.025	6	20.9	.19	67	.023	<1	.59	.005	.03	.3	.02	.7	.1	<.05	4	.5	15.0
0042	1.1	24.0	10.2	52	.4	37.4	5.2	436	1.54	21.5	2.5	2.2	1.4	4	.1	2.0	.4	42	.04	.049	12	38.8	.41	134	.025	<1	1.35	.005	.06	.5	.02	1.4	.2	<.05	5	.9	15.0
0043	1.4	53.4	14.0	95	.3	32.7	5.1	525	1.69	42.3	2.1	2.8	2.7	9	.1	3.5	.4	53	.08	.031	14	28.0	.40	298	.031	<1	1.27	.005	.05	.4	.02	2.9	.2	<.05	5	.9	15.0
0044	.3	6.7	2.1	11	.1	2.8	1.7	117	.49	2.8	.3	.9	.2	8	.1	.3	.1	10	.08	.031	4	2.7	.07	49	.022	<1	.68	.022	.02	.1	<.01	.5	<.1	<.05	2	<.5	15.0
0045	.6	11.1	7.3	24	.4	5.7	1.6	128	.94	10.9	.7	.5	.3	5	.1	1.6	.1	24	.04	.028	6	10.6	.14	83	.024	<1	.64	.012	.03	.1	.01	.6	.1	<.05	3	.5	15.0
0046	.9	23.9	16.0	57	.6	18.0	3.6	351	1.41	24.5	1.4	6.9	.9	7	.2	4.2	.3	33	.05	.041	10	20.6	.27	279	.020	<1	1.11	.008	.04	.2	.02	1.2	.1	<.05	4	.6	15.0
0047	2.5	10.4	21.4	56	<.1	6.5	2.4	465	2.06	10.9	43.3	.8	36.2	6	.1	.7	1.8	15	.17	.035	15	7.6	.19	35	.038	<1	1.16	.011	.19	3.2	.02	4.1	.7	<.05	8	.8	15.0
0048	16.3	61.3	20.4	21	.1	1.7	2.6	407	2.69	91.5	48.0	3.3	37.5	2	.1	4.5	21.4	5	.03	.020	14	2.5	.05	19	.016	<1	.76	.004	.10	27.1	.04	2.2	1.6	<.05	8	.8	15.0
RE 0048	15.7	57.9	19.5	19	<.1	1.5	2.7	405	2.65	89.6	44.7	3.5	36.4	2	<.1	4.5	20.2	5	.03	.020	14	2.4	.04	18	.016	<1	.73	.004	.10	27.4	.05	2.1	1.7	<.05	8	.8	15.0
0049	2.3	18.6	16.5	41	<.1	12.0	3.7	309	1.59	17.6	26.1	<.5	35.6	4	.1	1.1	4.3	16	.06	.020	20	11.7	.20	36	.040	<1	1.06	.006	.17	6.8	.01	2.9	.6	<.05	7	.6	15.0
0049A	.8	8.5	8.3	40	.1	16.9	6.9	263	3.26	9.0	4.4	<.5	39.8	25	.2	.4	.4	70	.69	.239	83	26.3	.42	86	.042	1	.74	.011	.07	2.1	<.01	1.7	.1	<.05	4	<.5	7.5
0050	2.0	11.1	26.2	38	<.1	4.6	2.5	650	2.12	24.7	56.1	1.5	52.5	4	.1	1.0	1.1	8	.17	.039	21	6.8	.12	28	.025	<1	1.03	.007	.20	1.2	.05	4.6	.7	<.05	9	1.1	7.5
0051	2.3	15.1	17.2	42	<.1	12.8	3.7	382	1.70	20.8	26.9	1.2	33.6	5	.1	1.4	2.1	20	.11	.030	19	15.4	.23	53	.045	<1	1.01	.008	.18	3.5	<.01	3.0	.6	<.05	7	.6	15.0
0052	5.3	14.7	17.4	54	<.1	20.8	4.6	511	1.90	20.8	26.3	1.2	35.9	6	.2	1.4	1.9	27	.11	.031	16	23.5	.33	77	.053	1	1.27	.007	.23	3.4	.03	3.8	.8	<.05	8	.7	15.0
0053	13.7	8.6	12.2	22	.1	1.7	.8	307	1.22	41.1	21.2	1.4	17.2	9	<.1	2.7	1.9	9	.98	.044	17	3.3	.05	24	.007	<1	1.88	.004	.09	3.2	.02	1.1	.7	<.05	8	<.5	15.0
0054	3.8	25.1	17.3	61	<.1	15.8	4.8	566	2.05	14.6	51.2	1.7	47.1	6	.1	.9	4.9	26	.14	.036	28	14.8	.33	73	.058	<1	1.67	.010	.38	8.5	.01	4.8	1.0	<.05	9	.6	15.0
0055	31.3	43.8	14.0	58	.1	15.0	9.7	858	2.48	18.5	60.6	2.6	8.2	11	<.1	.9	10.3	52	.12	.059	22	22.5	.47	89	.051	1	1.77	.016	.14	3.5	.03	3.7	.7	<.05	8	1.7	15.0
0056	9.9	36.6	17.9	181	.1	36.4	16.3	1524	3.74	38.9	4.6	3.8	4.6	22	1.3	2.1	1.6	114	.24	.046	16	50.9	.94	228	.102	1	2.39	.013	.15	.7	.01	6.8	.5	<.05	11	1.6	15.0
0057	6.2	28.8	13.8	59	.3	33.0	4.5	230	2.85	19.8	1.5	3.5	2.2	8	.3	2.4	.4	110	.06	.056	8	61.3	.66	81	.085	<1	2.63	.011	.07	.4	.05	4.4	.2	<.05	10	2.2	15.0
0058	7.5	25.0	20.2	74	.6	32.5	4.4	229	2.85	21.8	1.7	3.6	1.5	10	.3	3.6	.5	91	.06	.049	10	59.5	.39	72	.071	<1	1.70	.007	.03	.4	.04	1.9	.2	<.05	10	2.2	15.0
0059	10.1	37.3	43.7	126	.3	48.8	14.4	1155	3.05	72.9	5.0	5.2	5.4	6	.4	5.2	1.3	76	.06	.066	17	54.4	.57	172	.047	<1	2.24	.007	.09	.8	.02	3.2	.3	<.05	9	1.7	15.0
0060	7.0	33.2	29.3	146	.2	106.8	14.2	612	2.11	51.8	6.5	12.5	15.6	10	.9	4.0	1.0	40	.11	.077	26	29.8	.54	168	.028	1	1.57	.006	.08	1.6	.02	2.5	.2	<.05	4	1.8	15.0
0061	3.1	14.3	12.6	39	.1	8.2	3.0	187	1.76	20.2	1.5	2.0	2.8	5	.1	2.6	1.0	71	.02	.025	10	15.9	.10	50	.095	<1	.61	.004	.04	.4	.01	1.0	.1	<.05	11	<.5	15.0
0062	.6	9.2	5.9	15	.1	13.9	2.5	128	.82	13.0	.6	13.7	.5	6	<.1	1.0	.5	25	.07	.043	5	25.5	.19	51	.034	1	.72	.018	.03	.5	.02	.7	.1	<.05	4	<.5	15.0
0062A	.6	7.5	8.2	38	.1	15.6	6.5	245	2.71	8.6	4.4	<.5	36.9	23	.2	.4	.3	58	.61	.211	77	22.9	.43	85	.039	<1	.71	.012	.07	1.0	.01	1.8	.1	<.05	4	<.5	7.5
STANDARD DS6	11.4	119.1	30.5	144	.3	25.4	10.5	730	2.85	21.5	6.4	49.6	2.9	39	6.0	3.5	5.2	57	.82	.078	14	187.0	.59	168	.076	16	1.80	.073	.15	3.4	.22	3.4	1.8	<.05	6	4.7	15.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA ____

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	1.6	2.8	2.6	46	<.1	4.6	4.3	574	1.99	<.5	1.8	1.0	4.4	74	<.1	<.1	.1	41	.54	.082	8	13.4	.59	251	.132	1	.91	.075	.56	1.7	.01	2.4	.3	<.05	5	<.5	15
0063	1.2	7.0	10.0	25	.1	51.9	5.9	180	1.64	83.2	.6	1.7	1.8	2	.1	2.9	1.1	54	.03	.024	9	97.4	.46	61	.055	1	.46	.003	.02	.9	.02	1.0	.1	<.05	5	<.5	15
0064	4.4	47.4	29.3	118	.2	365.9	19.5	571	2.72	135.1	2.4	6.4	4.2	10	.3	5.3	.7	44	.16	.051	13	74.7	.91	195	.046	1	1.41	.013	.07	.9	.03	3.1	.2	<.05	5	1.7	15
0065	2.5	63.4	27.7	151	.6	512.0	23.3	578	2.96	235.1	4.5	10.5	6.5	10	.2	6.2	1.2	49	.21	.042	15	117.9	1.65	326	.054	2	1.80	.015	.09	1.5	.03	4.9	.3	<.05	5	.9	15
0066	2.2	27.8	36.2	61	1.0	11.8	2.6	199	1.40	50.9	1.2	13.0	.6	4	.1	8.8	.5	37	.04	.051	9	20.3	.30	134	.031	1	1.02	.012	.07	.3	.03	1.1	.2	<.05	5	.6	15
0067	4.5	81.2	84.0	191	.4	27.2	15.6	795	3.96	261.3	2.9	11.0	4.3	9	.9	36.5	1.1	59	.11	.042	15	35.5	.56	272	.059	1	1.60	.010	.12	.5	.04	4.5	.4	.07	5	1.6	15
0068	1.8	27.4	17.8	63	.1	11.1	6.3	788	1.50	47.2	1.1	1.0	.3	8	.8	7.0	.8	31	.10	.074	7	11.0	.16	94	.035	2	.89	.023	.04	.3	.02	.7	.2	<.05	4	.5	15
0069	4.1	27.6	53.3	131	.6	14.6	4.9	1140	1.67	61.5	3.3	4.3	3.4	7	.3	11.3	.4	34	.11	.048	13	16.9	.28	170	.025	2	.98	.013	.04	.8	.03	1.6	.2	<.05	4	.7	15
0070	1.6	10.4	105.8	82	1.6	5.1	1.3	163	.94	63.5	2.7	1.5	.5	8	.4	31.2	.5	25	.14	.038	14	13.4	.16	94	.019	1	.76	.010	.04	.8	.03	.6	.1	<.05	4	.5	15
0071	2.3	42.2	85.5	284	.7	24.5	6.6	926	2.06	70.7	2.7	3.9	2.6	6	1.3	9.4	.5	37	.08	.044	17	23.8	.25	287	.028	1	1.06	.005	.06	.5	.03	1.7	.2	<.05	4	.8	15
0072	1.6	43.6	15.4	61	.4	15.0	3.1	315	1.61	44.8	1.0	4.8	.7	6	.1	3.0	.2	30	.04	.033	10	16.5	.16	211	.025	1	.70	.010	.04	.4	.02	.9	.1	<.05	3	.8	15
0073	10.9	34.2	26.5	87	.2	15.9	4.1	642	2.14	62.1	4.4	1.6	2.0	13	.4	4.7	.6	37	.30	.054	16	19.4	.18	269	.019	<1	.79	.007	.06	1.1	.01	1.1	.2	<.05	5	.7	15
0074	2.0	5.1	17.2	32	.1	3.0	1.3	324	.70	18.6	.9	.8	.6	4	.2	4.8	.4	24	.04	.031	8	6.1	.05	54	.025	<1	.44	.008	.04	.4	.02	.3	.1	<.05	4	<.5	15
RE 0074	2.1	5.3	18.6	35	.1	2.7	1.3	336	.72	18.9	1.0	.6	.5	5	.2	5.0	.4	27	.04	.033	9	6.5	.06	55	.027	1	.49	.008	.04	.4	.02	.2	.1	<.05	4	<.5	15
0075	1.1	5.7	9.4	15	.6	2.4	1.0	90	.48	6.3	.7	<.5	.1	4	.1	2.2	.1	16	.03	.030	4	4.3	.05	32	.024	1	.49	.021	.03	.2	.01	.3	.1	<.05	3	.5	15
0076	2.0	11.3	14.0	37	.4	7.0	1.6	203	.91	16.4	1.3	3.0	.3	6	.2	4.6	.2	24	.06	.038	8	9.9	.10	130	.019	1	.48	.012	.03	.4	.03	.4	.1	<.05	3	.6	15
0077	10.4	58.9	18.4	21	<.1	1.7	1.7	210	2.36	67.2	54.4	4.7	42.0	2	<.1	3.1	22.1	7	.06	.021	17	2.7	.05	17	.020	<1	.80	.006	.13	31.7	.02	2.1	1.1	<.05	7	.9	15
0078	7.4	44.9	17.6	28	.1	6.0	1.4	153	1.93	47.5	50.1	4.2	29.3	4	<.1	2.4	17.0	11	.07	.030	21	8.4	.14	31	.026	1	1.19	.008	.17	23.2	.02	2.5	1.2	<.05	9	1.2	15
0079	2.9	20.0	23.1	45	<.1	6.8	2.8	564	1.83	32.8	37.2	.8	35.4	4	.1	1.5	6.1	13	.08	.029	20	10.1	.17	43	.025	1	1.09	.007	.15	6.6	.03	2.7	.8	<.05	8	.8	15
0079A	.6	7.3	7.4	35	<.1	14.7	5.9	234	2.68	7.3	4.7	<.5	36.5	20	.2	.3	.3	54	.59	.185	64	22.0	.38	85	.038	1	.64	.011	.06	2.5	<.01	1.6	.1	<.05	3	.5	1
0080	40.3	36.5	25.6	30	.1	3.5	3.9	514	2.47	22.7	31.8	2.0	31.3	5	<.1	1.4	22.7	18	.06	.038	17	8.4	.10	24	.024	1	.81	.010	.20	27.1	.02	1.6	.8	<.05	7	1.0	15
0081	.6	3.5	1.5	9	<.1	1.1	1.3	35	.54	<.5	.7	1.1	.1	6	<.1	.1	.1	16	.07	.037	2	2.3	.06	18	.027	<1	.38	.025	.03	.1	.01	.3	.1	<.05	2	<.5	15
0082	21.3	19.6	18.7	32	.1	5.5	2.0	149	1.55	16.1	27.2	1.9	2.1	8	<.1	.8	5.8	20	.07	.068	14	11.5	.15	45	.017	1	.95	.016	.14	6.9	.03	.7	.5	<.05	6	.8	15
0083	22.2	24.3	20.5	57	.1	9.4	3.6	421	2.02	26.1	22.3	2.9	1.7	10	.7	1.8	5.8	24	.14	.103	13	15.2	.21	67	.010	1	1.09	.009	.19	7.1	.03	.5	.6	<.05	8	.7	15
0084	31.8	64.3	27.2	46	<.1	6.3	2.1	238	2.18	27.2	79.5	<.5	5.3	9	<.1	1.5	10.0	15	.17	.060	29	10.5	.18	56	.014	2	1.46	.013	.15	10.9	.02	1.3	.7	<.05	9	1.9	15
0085	76.3	21.1	23.3	42	<.1	6.4	3.6	542	2.32	16.1	23.1	2.8	27.3	10	<.1	1.0	9.2	23	.12	.036	20	14.5	.16	43	.034	1	.86	.006	.20	16.2	.02	1.8	.6	<.05	6	.5	15
0086	8.3	6.5	21.1	40	<.1	3.2	2.3	569	1.65	9.8	14.4	.8	37.4	8	.1	.6	3.4	12	.08	.031	27	6.1	.17	26	.041	2	1.03	.008	.27	5.8	.02	2.1	.7	<.05	9	<.5	15
0087	2.1	29.0	9.1	66	.1	18.7	7.5	390	2.46	20.1	1.3	2.1	1.6	9	.1	1.2	.6	70	.10	.050	8	29.4	.92	124	.093	<1	2.01	.020	.18	.5	.02	6.0	.4	<.05	6	.9	15
0088	2.9	82.3	8.0	127	.1	25.5	18.9	648	4.20	46.2	2.3	3.8	2.6	26	.2	1.0	.8	130	.39	.057	10	38.2	1.69	192	.148	1	3.18	.046	.28	.6	.01	12.7	.7	<.05	10	1.1	15
0089	2.1	101.0	8.9	189	.1	29.0	22.6	932	4.67	55.1	1.4	5.6	3.4	33	.4	.9	.9	141	.45	.052	10	43.6	1.90	267	.167	1	3.36	.055	.37	.6	.02	12.1	.9	<.05	10	.9	15
0090	1.5	120.0	7.8	277	.2	15.0	25.1	960	4.79	97.4	.7	9.0	2.0	39	1.5	.9	1.2	119	.39	.064	7	21.6	1.61	275	.127	<1	3.07	.045	.57	1.0	.02	10.7	.8	.11	9	1.0	15
0091	12.7	82.8	10.1	255	.4	70.2	17.3	428	5.07	46.2	4.0	16.4	4.5	52	.8	1.8	1.3	84	.28	.096	8	35.2	.96	159	.088	1	3.73	.037	.24	1.3	.02	4.8	.5	.22	6	3.9	15
0092	8.5	52.3	11.3	128	.3	39.6	10.1	768	2.85	17.0	2.4	5.3	3.6	19	.8	1.5	.6	111	.11	.083	9	64.4	1.05	215	.087	1	3.60	.021	.41	.3	.04	4.3	.8	.06	9	4.0	15
0093	6.6	41.1	10.4	94	.3	31.5	7.2	461	2.49	11.1	2.1	3.5	5.0	14	.7	1.5	.5	76	.11	.120	9	65.2	.63	135	.070	<1	4.98	.009	.16	.4	.10	5.4	.4	.06	8	4.5	15
0094	16.8	78.0	13.7	128	.3	42.7	10.6	509	4.00	24.5	3.2	8.1	6.1	48	1.0	2.1	.6	84	.13	.071	15	40.4	.86	218	.069	1	2.83	.034	.30	.6	.03	3.4	.6	.15	7	4.0	15
STANDARD DS6	11.4	122.8	30.0	146	.3	25.4	10.5	726	2.88	21.0	6.5	48.0	3.1	38	6.2	3.5	4.9	58	.87	.080	15	186.6	.59	168	.091	17	1.90	.076	.17	3.4	.22	3.4	1.7	<.05	6	4.5	15

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	1.4	3.0	2.8	47	<.1	4.8	4.4	615	2.03	<.5	1.9	.7	4.5	89	<.1	<.1	.1	44	.60	.086	9	14.5	.64	269	.142	1	1.07	.105	.62	1.8	<.01	2.8	.4	<.05	5	<.5	15.0
0095	14.8	102.6	14.4	317	.5	133.4	26.2	609	4.51	28.3	3.4	7.7	5.4	41	1.0	2.3	.6	130	.23	.094	10	90.0	1.23	240	.119	<1	5.14	.038	.36	.5	.03	7.1	.7	.13	12	4.9	15.0
0096	14.2	55.5	15.5	283	2.2	101.9	14.2	415	3.37	22.0	3.6	6.6	2.8	71	3.9	3.6	.3	108	.31	.132	11	63.2	.53	158	.045	<1	3.88	.019	.08	.4	.09	2.9	.4	.10	9	6.1	15.0
0097	11.8	155.2	32.1	566	2.6	185.0	22.4	1465	4.76	37.6	3.8	14.2	8.9	137	11.1	7.8	.6	89	1.10	.150	17	75.9	1.09	252	.035	2	2.50	.071	.11	1.1	.03	4.8	.5	<.05	7	6.2	15.0
0098	19.9	99.9	41.7	457	1.3	173.4	22.6	979	4.02	43.3	5.6	11.3	2.7	79	3.9	6.9	.6	88	.52	.122	14	79.4	.96	190	.035	1	2.76	.033	.08	1.1	.03	3.5	.3	<.05	7	3.0	15.0
0099	14.7	49.9	9.9	104	.7	32.5	4.2	136	1.65	9.3	2.8	7.2	.3	20	.4	1.8	.2	32	.13	.093	7	21.9	.25	52	.016	1	1.49	.026	.04	.4	.02	.8	.2	.06	4	4.2	15.0
0099A	.7	7.3	7.2	36	<.1	15.1	6.1	226	2.30	6.6	4.4	<.5	32.0	21	.2	.2	.2	45	.61	.197	65	21.0	.40	75	.024	<1	.69	.011	.06	.8	<.01	1.5	.1	<.05	3	<.5	7.5
0100	17.2	46.9	17.5	203	.7	65.3	13.3	478	2.63	15.8	5.3	2.9	.7	31	1.3	3.0	.3	49	.35	.171	13	39.2	.39	85	.012	<1	2.08	.021	.04	.3	.02	1.0	.2	.10	5	5.3	15.0
0101	1.2	5.7	2.3	20	.2	5.4	2.9	108	.58	1.9	.6	.8	.2	10	.1	.2	.1	19	.11	.041	3	6.1	.13	30	.030	2	.57	.032	.02	.1	.01	.6	.1	<.05	2	.9	15.0
0102	8.6	23.2	20.6	48	.3	17.7	6.6	1392	2.16	54.1	2.6	2.6	1.8	10	.5	2.3	1.4	89	.08	.070	12	42.5	.43	142	.060	1	1.23	.007	.10	.4	.02	1.8	.4	<.05	10	1.1	15.0
0103	13.5	97.0	5.7	103	.3	68.5	13.9	416	3.17	23.5	5.6	3.1	6.2	53	.1	2.1	1.3	60	.32	.045	19	57.7	.53	86	.078	<1	2.30	.014	.07	3.7	.01	5.7	.4	.06	7	5.5	15.0
0104	2.4	23.9	7.5	99	.2	36.6	7.3	304	2.33	13.0	2.2	8.2	5.8	21	.8	.9	1.1	68	.35	.093	23	40.1	.43	98	.060	1	1.37	.011	.04	6.0	.01	2.4	.1	<.05	4	1.5	15.0
0105	.8	7.0	2.2	22	.1	2.9	4.3	646	.59	.6	.4	<.5	<.1	12	2.0	.1	.1	18	.09	.045	2	4.8	.05	54	.020	<1	.53	.022	.02	.4	.03	.2	.1	<.05	3	<.5	15.0
0106	.5	6.7	7.3	34	<.1	14.0	5.5	220	2.08	6.8	4.8	.6	33.8	22	.2	.3	.2	42	.57	.195	64	18.8	.38	69	.034	<1	.66	.011	.06	.9	<.01	1.4	.1	<.05	3	<.5	1.0
0107	6.0	24.1	5.9	89	.1	29.3	7.5	591	2.20	6.7	1.4	4.0	1.7	16	.9	.4	.7	109	.15	.062	14	51.7	.66	119	.084	1	1.70	.011	.22	.8	.02	3.4	.5	.06	7	1.6	15.0
0108	3.2	26.6	6.8	58	.2	28.8	7.3	264	2.47	8.0	1.6	6.1	3.0	20	.2	.4	.4	73	.19	.045	19	46.8	.58	114	.092	1	1.84	.012	.18	1.2	.03	3.1	.4	.06	6	1.4	15.0
0109	4.8	23.3	7.4	53	.2	22.5	5.8	533	2.31	6.0	1.5	3.2	.6	15	.6	.4	.3	115	.12	.074	13	55.4	.58	147	.067	<1	2.11	.009	.24	.3	.05	2.6	.5	.12	9	1.6	15.0
0110	3.9	37.8	7.7	107	.3	35.0	8.8	442	2.49	10.6	2.1	5.5	1.8	19	.6	.4	.4	102	.16	.088	16	48.7	.81	140	.094	1	2.70	.018	.21	.6	.04	4.3	.4	.09	8	2.1	15.0
0111	7.0	13.4	13.1	35	.1	8.0	2.4	114	1.39	12.3	4.5	<.5	6.7	9	.2	.8	7.2	45	.08	.020	13	25.3	.19	48	.063	<1	.72	.007	.07	7.0	.02	1.4	.2	<.05	5	.5	15.0
0112	8.5	16.9	12.7	44	.1	9.9	3.5	174	1.56	11.2	6.5	2.4	1.0	9	.3	.8	7.1	37	.08	.037	12	18.3	.18	72	.020	1	.82	.007	.06	4.0	.01	.5	.2	<.05	5	.5	15.0
0113	6.5	13.0	11.1	33	<.1	12.1	3.5	133	1.60	12.3	4.5	2.4	12.9	8	.1	.7	5.8	42	.11	.041	14	20.8	.24	37	.062	<1	.71	.005	.05	5.6	.01	1.4	.2	<.05	5	.6	15.0
0113A	.7	7.6	7.2	37	.1	15.9	5.3	222	1.77	9.2	2.4	.8	20.8	20	.1	.5	.3	34	.49	.154	55	18.1	.40	78	.034	<1	.70	.012	.06	3.3	<.01	1.4	.1	<.05	3	<.5	1.0
0114	17.8	17.7	9.4	70	.1	16.7	4.6	333	1.70	8.7	16.0	1.2	2.7	12	.2	.5	2.8	40	.17	.045	14	25.1	.32	68	.038	1	1.04	.006	.06	2.6	.01	1.5	.2	<.05	5	.9	15.0
0115	11.9	31.4	11.6	62	.2	20.6	5.6	376	2.13	9.0	10.0	2.1	.8	13	.8	.6	2.5	65	.12	.050	15	33.2	.34	81	.035	<1	1.17	.007	.07	1.6	.01	1.0	.2	.06	6	.6	15.0
0116	1.3	24.6	7.7	65	.1	10.9	9.0	380	2.04	2.9	1.0	4.0	.3	12	.5	.3	3.3	59	.11	.061	10	19.9	.42	117	.043	1	1.42	.012	.08	.5	.04	1.1	.1	<.05	7	<.5	15.0
RE 0116	1.3	22.9	8.0	66	.1	11.7	8.9	375	1.96	2.8	1.0	2.4	.3	12	.6	.3	3.2	57	.10	.059	10	19.9	.42	115	.041	<1	1.45	.011	.08	.5	.03	1.1	.1	<.05	7	<.5	15.0
0117	.7	13.6	4.5	40	.1	8.9	3.9	151	1.52	3.6	.6	1.0	.3	13	.1	.3	.5	45	.11	.030	8	16.7	.34	79	.049	1	1.11	.015	.06	.3	.01	1.3	.1	<.05	5	<.5	15.0
0118	1.8	4.7	5.6	9	.1	2.2	.7	36	.43	3.4	3.7	3.0	.3	4	<.1	.4	.8	12	.02	.021	9	7.8	.04	21	.017	<1	.28	.013	.04	2.2	.01	.3	.1	<.05	3	<.5	15.0
0119	4.7	19.4	16.4	47	.1	19.0	4.0	205	1.61	15.6	25.0	2.4	2.4	7	.2	1.2	2.0	27	.06	.076	14	24.1	.29	72	.013	<1	1.29	.013	.10	2.6	.04	1.4	.3	.06	7	.7	7.5
0120	6.7	25.0	27.0	63	.1	24.2	5.6	351	2.46	30.1	47.4	<.5	16.3	8	.1	1.7	3.5	35	.08	.044	26	34.7	.39	106	.031	1	2.07	.012	.13	4.8	.01	3.8	.7	<.05	12	1.1	15.0
0121	12.5	12.0	17.6	33	.1	8.8	2.4	157	1.28	14.8	12.6	1.9	3.3	7	.2	1.2	1.7	38	.06	.021	12	13.7	.09	45	.044	1	.63	.011	.06	2.2	.01	1.0	.2	<.05	6	<.5	15.0
0122	7.6	23.6	34.3	80	.1	32.5	4.3	426	2.25	31.2	29.6	1.0	12.5	14	.3	1.6	4.1	38	.22	.054	19	40.5	.36	140	.028	<1	1.74	.015	.15	3.0	.02	2.5	.4	<.05	10	.7	7.5
0123	2.4	9.1	11.0	30	<.1	13.6	1.7	137	.96	11.7	10.9	2.7	11.9	5	.1	.8	1.0	19	.07	.025	15	19.2	.19	50	.036	<1	.69	.007	.10	3.5	.01	1.7	.3	<.05	4	<.5	15.0
0124	1.7	1.5	2.9	7	<.1	1.2	.4	32	.31	2.6	3.4	1.6	7.0	1	<.1	.4	.2	8	<.01	.007	16	2.3	.02	8	.017	<1	.18	.004	.04	1.8	<.01	.5	.1	<.05	3	<.5	15.0
0124A	.7	8.1	8.1	40	.1	16.3	6.7	259	3.04	7.9	4.7	1.1	37.2	25	.2	.3	.5	66	.68	.216	84	25.6	.46	85	.043	<1	.77	.014	.07	2.1	<.01	1.8	.1	<.05	4	<.5	15.0
STANDARD DS6	11.3	125.6	30.8	147	.3	25.3	10.5	738	2.82	21.7	6.7	49.0	3.2	41	6.2	3.6	4.9	58	.88	.076	15	188.2	.59	171	.079	16	1.84	.076	.17	3.5	.23	3.3	1.7	<.05	6	4.5	15.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	1.4	2.7	2.7	46	<.1	4.4	4.2	575	1.96	<.5	1.7	<.5	4.1	84	<.1	<.1	.1	41	.54	.077	8	13.6	.57	258	.132	<1	.94	.103	.56	1.6	<.01	3.6	.3	<.05	5	<.5	15.0
0125	6.5	14.5	20.3	48	.1	17.9	6.8	417	1.52	24.2	11.0	<.5	5.7	9	.1	1.5	2.1	34	.08	.026	11	25.8	.21	77	.041	<1	.80	.011	.06	2.7	.01	1.7	.2	<.05	6	<.5	15.0
0126	2.6	2.8	9.1	8	.1	2.6	.6	37	.31	3.1	1.3	1.1	2.4	7	.1	.8	.8	19	.02	.008	14	18.9	.05	38	.071	<1	.21	.006	.02	1.1	.01	.4	.1	<.05	3	<.5	15.0
0127	2.1	4.2	7.2	16	<.1	3.6	1.1	63	.87	8.6	4.7	4.9	18.5	3	.1	.8	1.7	24	.02	.010	20	8.2	.05	19	.065	<1	.39	.004	.06	2.1	.01	1.1	.3	<.05	6	<.5	15.0
0128	5.2	18.1	11.6	50	.3	27.2	4.5	216	3.07	26.4	3.4	1.0	8.6	6	.2	1.4	.8	116	.05	.036	10	72.1	.45	94	.122	<1	1.76	.009	.04	1.5	.05	3.1	.1	<.05	10	1.0	15.0
0129	3.2	3.8	12.4	13	.1	6.3	1.0	53	.44	5.4	1.7	.9	1.8	6	<.1	.7	.9	28	.04	.012	10	31.6	.12	42	.093	<1	.38	.006	.03	.8	.02	.7	.1	<.05	5	<.5	15.0
0130	24.4	7.9	7.0	33	<.1	5.8	1.6	93	.97	15.4	4.2	<.5	7.4	7	1.0	1.3	1.4	42	.04	.008	15	12.0	.08	61	.060	<1	.34	.004	.05	1.8	.01	1.0	.1	<.05	5	<.5	15.0
0131	8.1	15.8	12.2	30	.3	9.1	3.8	194	1.17	9.1	5.1	<.5	.9	7	.3	.9	3.2	33	.04	.028	9	14.5	.14	67	.035	<1	.58	.012	.06	2.7	.01	.8	.2	<.05	5	<.5	15.0
0132	2.8	9.4	10.4	30	.1	15.6	3.6	173	1.27	14.0	4.7	.8	3.3	9	.2	1.1	1.0	31	.07	.031	10	26.3	.26	65	.035	<1	.70	.010	.06	2.3	.02	1.3	.2	<.05	4	.5	15.0
0133	1.4	17.9	5.5	45	.1	33.3	5.9	331	2.07	67.5	.8	.9	1.1	14	<.1	.9	3.4	34	.06	.039	6	38.3	.70	119	.093	<1	1.74	.016	.16	4.8	.02	1.9	.3	<.05	8	<.5	15.0
0134	3.9	11.0	11.0	23	.1	14.5	2.5	183	1.51	23.3	2.3	1.9	2.4	6	<.1	1.5	2.1	76	.04	.031	10	33.5	.17	49	.101	<1	.54	.006	.04	1.8	.02	1.0	.1	<.05	9	.5	15.0
0135	3.0	11.3	6.7	27	.1	18.3	3.5	162	1.23	16.8	3.0	1.0	1.5	4	<.1	1.0	1.1	25	.03	.019	5	13.3	.11	22	.026	1	.38	.014	.04	1.9	.01	1.2	.1	<.05	3	<.5	15.0
0136	.6	7.8	7.8	37	<.1	15.3	6.2	257	3.16	7.9	5.3	1.8	40.2	24	.2	.3	1.1	68	.66	.223	91	25.8	.42	75	.043	<1	.71	.012	.07	2.8	.01	1.6	.1	<.05	4	<.5	7.5
0137	7.8	69.9	12.4	280	.3	74.0	10.9	467	2.51	46.9	4.0	3.3	1.8	40	2.0	1.0	2.9	85	.44	.129	18	51.7	.65	166	.043	1	2.05	.017	.08	5.8	.03	2.5	.3	.08	7	2.6	15.0
1000	4.7	20.6	8.4	80	.1	31.9	7.8	407	2.88	30.2	4.1	<.5	12.6	30	.5	1.0	.7	69	.47	.150	51	33.5	.43	86	.042	1	1.02	.017	.07	1.8	.01	1.9	.1	<.05	4	1.0	7.5
1001	6.9	17.6	14.2	77	.2	19.3	3.8	362	2.46	12.4	2.4	4.7	2.7	19	.2	1.7	2.4	106	.12	.070	14	33.0	.20	84	.082	4	.98	.014	.07	1.9	.02	1.4	.2	<.05	9	1.3	15.0
1002	6.3	19.5	9.1	73	.2	17.3	3.6	310	1.80	12.5	2.9	2.1	1.2	20	.6	1.4	1.4	61	.16	.078	11	27.3	.22	63	.026	1	1.05	.017	.04	1.4	.02	.8	.2	<.05	5	1.4	15.0
1003	17.8	51.2	13.4	209	.4	53.6	11.8	808	3.35	31.2	6.5	4.1	2.7	58	1.4	3.1	2.1	144	.44	.178	18	67.4	.46	125	.033	1	2.02	.016	.06	1.9	.02	2.5	.4	<.05	7	3.4	15.0
1004	21.6	69.9	11.8	192	.4	54.1	16.5	1274	4.09	33.1	3.9	5.6	2.6	68	.9	2.3	.5	96	.28	.146	16	54.6	.55	163	.052	1	2.09	.032	.12	.6	.02	3.4	.3	.08	6	2.9	15.0
1005	8.8	155.1	6.2	114	.3	83.7	25.9	1294	3.66	67.4	1.8	11.5	1.9	17	1.8	1.6	18.8	71	.27	.064	8	82.9	.90	217	.098	1	1.72	.021	.07	20.5	.03	3.9	.5	.06	6	1.3	15.0
RE 1005	8.4	149.8	6.1	110	.3	85.1	25.3	1214	3.52	66.0	1.7	18.3	1.8	16	1.7	1.5	18.2	73	.26	.064	8	81.9	.89	217	.099	3	1.72	.019	.07	20.0	.03	4.1	.5	.06	6	1.4	15.0
1006	1.0	16.5	2.2	16	.1	166.9	18.1	1160	5.94	466.9	1.3	1.1	1.1	20	.2	.9	.4	26	.43	.085	7	18.4	.33	257	.018	2	.55	.031	.02	3.8	.02	.9	.1	.11	2	.9	15.0
1007	1.1	33.3	5.3	57	.2	547.9	27.0	297	2.08	68.8	1.4	19.4	3.7	15	.1	.8	2.1	35	.24	.028	11	175.7	2.57	198	.046	1	1.50	.015	.06	2.0	.01	4.9	.3	<.05	4	<.5	15.0
1008	8.4	85.2	5.9	137	.2	252.3	27.2	661	3.26	19.8	1.9	3.3	1.8	15	.3	1.1	.9	73	.57	.052	8	108.8	1.43	398	.094	3	1.54	.017	.06	2.4	.02	6.3	.2	.11	5	1.2	15.0
1009	.3	3.9	1.4	13	<.1	26.2	3.2	64	.67	1.6	.4	.6	<.1	9	.1	<.1	.2	16	.11	.053	2	19.8	.20	33	.018	<1	.32	.025	.02	.4	.02	.3	<.1	.06	2	<.5	15.0
1010	4.2	10.7	4.6	43	<.1	28.6	3.5	207	1.20	6.9	1.3	1.3	.7	8	.4	.4	.5	22	.11	.085	8	34.7	.17	83	.004	<1	.52	.007	.07	.9	.01	.3	.1	<.05	3	<.5	15.0
1011	4.4	20.1	6.3	103	.1	104.5	5.9	253	1.60	33.7	2.6	3.1	.7	16	.4	.5	.8	59	.39	.118	13	66.0	.68	68	.025	1	1.17	.016	.05	1.2	.02	1.9	.1	<.05	4	1.5	15.0
1012	2.2	17.1	6.3	49	<.1	55.2	6.8	315	2.28	27.1	1.6	2.6	1.7	15	.3	.6	.8	54	.19	.065	17	49.7	.48	78	.045	1	1.01	.011	.06	.8	.01	1.5	.1	<.05	5	<.5	15.0
1013	1.7	10.9	7.4	41	<.1	18.9	3.9	238	1.93	8.6	2.6	1.6	2.8	9	.2	.5	.5	36	.09	.047	14	23.4	.27	47	.032	<1	1.11	.011	.07	.8	.01	1.0	.2	<.05	5	<.5	15.0
1014	3.8	15.9	6.7	62	.1	27.3	5.3	290	2.17	9.9	4.3	1.3	4.9	18	.3	.6	.7	57	.19	.051	18	50.5	.42	68	.056	1	1.09	.013	.07	.5	.01	2.0	.1	<.05	5	.6	15.0
1015	8.4	22.8	20.5	49	.1	11.9	7.5	653	2.12	9.6	9.8	3.7	3.3	10	.4	.7	2.5	41	.07	.057	20	21.3	.15	77	.035	<1	.92	.007	.09	.5	.03	.8	.2	<.05	6	<.5	15.0
1015A	.6	6.8	7.4	38	<.1	14.8	6.0	234	2.03	8.0	3.7	.8	28.3	23	.2	.3	.2	36	.59	.192	64	20.0	.43	74	.034	<1	.71	.012	.07	1.2	<.01	1.6	.1	<.05	3	<.5	1.0
1016	6.2	14.9	8.3	34	.1	11.0	3.4	161	1.63	11.9	5.1	3.9	7.0	9	.2	.6	5.0	38	.10	.038	15	20.4	.22	54	.056	<1	.74	.009	.06	1.7	.02	1.3	.1	<.05	5	<.5	15.0
1017	6.3	15.8	11.4	42	.1	13.2	4.1	228	1.81	15.3	7.6	2.0	2.4	12	.3	.8	7.0	38	.14	.043	17	24.2	.25	60	.037	1	.86	.008	.06	2.2	.02	.9	.2	<.05	5	<.5	15.0
1018	4.7	13.9	11.2	40	<.1	9.3	3.2	221	2.06	17.0	10.3	1.4	14.4	9	.2	.7	8.8	31	.11	.030	21	17.6	.22	54	.036	<1	1.03	.006	.09	2.9	.01	1.2	.3	<.05	6	<.5	15.0
STANDARD DS6	11.4	118.6	29.2	145	.3	25.4	10.4	726	2.80	21.7	6.5	49.0	3.2	41	5.8	3.4	4.8	58	.86	.074	15	184.6	.58	169	.083	17	1.82	.074	.17	3.3	.24	3.4	1.7	<.05	6	4.4	15.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA ____

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	1.5	2.9	2.6	48	<.1	4.9	4.3	545	1.93	<.5	1.7	1.2	4.1	82	<.1	<.1	<.1	45	.51	.079	7	14.0	.60	251	.128	<1	.90	.071	.52	1.7	<.01	2.2	.3	<.05	5	<.5	15.0
1019	4.5	13.6	10.3	41	.1	8.3	2.8	179	1.42	10.6	5.2	5.2	1.5	6	.2	.6	4.8	40	.06	.023	11	14.8	.15	38	.023	<1	.82	.006	.03	2.1	.01	.6	.1	<.05	5	<.5	15.0
1020	5.5	19.0	11.2	43	.1	10.3	3.2	144	1.44	10.6	15.8	.5	.7	12	.4	.6	5.0	33	.10	.049	16	18.6	.15	68	.011	<1	.81	.006	.04	1.9	<.01	.4	.1	<.05	4	<.5	15.0
1021	5.4	19.6	15.4	51	<.1	12.0	3.4	170	2.18	19.8	7.2	1.2	2.2	7	.1	.9	8.3	52	.07	.037	11	19.1	.20	58	.034	<1	1.16	.005	.07	2.7	<.01	.8	.4	<.05	10	.6	15.0
1022	8.1	35.7	26.4	52	<.1	13.5	4.4	217	2.01	32.4	23.7	.9	23.2	10	.3	1.2	24.4	36	.13	.020	17	18.8	.20	51	.029	<1	.96	.006	.04	2.6	.01	1.7	.3	<.05	5	.7	15.0
1023	4.8	14.1	12.5	45	.1	8.5	2.8	183	1.39	10.4	5.0	.6	1.2	8	.3	.7	5.8	37	.07	.029	11	17.0	.15	49	.029	<1	.66	.007	.05	2.3	<.01	.6	.1	<.05	5	.5	15.0
1024	3.3	10.3	11.8	26	.1	10.6	1.7	115	1.09	8.3	1.5	1.8	.2	10	.1	.6	.9	52	.07	.036	11	32.0	.17	62	.033	<1	1.07	.007	.03	.4	.03	.5	.3	<.05	8	.6	15.0
1025	3.6	21.7	14.5	61	.1	32.2	5.7	316	2.55	22.8	5.3	16.9	10.1	13	.4	1.2	2.4	58	.24	.076	17	36.1	.37	64	.042	<1	1.28	.008	.08	1.4	.02	1.8	.3	<.05	7	.8	15.0
1026	3.5	15.5	12.3	59	.2	14.3	3.4	185	1.88	9.6	4.1	<.5	2.9	15	.5	1.1	2.5	54	.16	.049	13	24.9	.21	57	.037	<1	1.19	.009	.05	2.4	.03	1.3	.2	<.05	6	1.5	15.0
1027	5.0	17.8	11.9	53	.4	13.4	2.6	113	1.13	4.1	3.3	2.3	.9	36	.9	.9	1.3	51	.39	.045	14	22.3	.15	83	.031	<1	.88	.008	.03	4.0	.02	1.0	.3	<.05	6	1.9	15.0
1028	4.0	41.2	14.8	302	.7	60.5	12.9	650	2.57	9.1	1.6	2.9	3.8	39	2.2	.9	.2	51	.43	.100	17	31.6	.55	116	.042	<1	1.64	.016	.04	.7	.02	2.3	.1	<.05	5	3.0	15.0
1029	42.6	32.5	10.9	170	1.3	32.5	7.6	283	2.67	11.8	3.6	6.0	2.6	33	2.5	2.2	.2	123	.22	.094	14	31.5	.37	92	.049	<1	2.42	.012	.07	.4	.05	2.3	.2	<.05	6	3.3	15.0
1030	7.1	24.7	18.2	67	1.0	12.4	2.6	316	1.54	51.9	1.6	7.3	.1	26	1.0	51.7	.4	60	.14	.114	8	45.8	.26	59	.011	<1	.97	.008	.05	.9	.04	.5	.2	.09	5	1.2	7.5
RE 1031	.7	39.8	5.9	45	<.1	425.9	24.9	368	2.34	75.3	.7	6.1	3.0	24	.1	1.5	1.1	41	.30	.063	15	110.3	1.61	135	.053	1	1.97	.018	.04	.4	.01	3.1	.2	<.05	4	<.5	15.0
1031	.6	39.7	6.1	47	<.1	423.3	24.8	378	2.34	77.7	.7	5.0	3.1	25	.2	1.5	1.1	40	.28	.063	15	108.4	1.63	135	.051	1	1.96	.018	.04	.5	.01	3.0	.2	<.05	4	<.5	15.0
1031A	.7	7.8	7.9	47	.1	17.7	6.9	264	2.82	8.5	4.8	<.5	32.4	25	.1	.6	.2	62	.62	.195	68	25.3	.49	81	.040	<1	.82	.013	.08	1.2	<.01	1.7	.1	<.05	4	<.5	1.0
1032	.9	19.6	6.5	59	<.1	297.0	29.3	659	2.83	27.9	.6	.8	2.9	19	.4	1.0	.4	39	.28	.093	14	116.1	2.28	123	.044	3	1.14	.012	.06	.3	.01	4.8	.1	<.05	3	<.5	15.0
1033	.6	116.5	4.7	64	.1	267.2	30.8	708	2.99	19.9	.8	6.8	2.4	12	.1	1.6	.4	66	.16	.043	13	147.4	1.99	414	.062	<1	1.96	.009	.09	.3	.02	5.7	.3	<.05	6	<.5	15.0
1034	.5	32.0	5.4	48	.1	277.0	15.8	347	2.34	24.6	.5	2.7	1.5	16	.4	1.0	.4	51	.18	.045	11	103.2	1.45	212	.049	1	1.71	.013	.05	.4	.02	2.8	.1	<.05	5	<.5	15.0
1035	.5	40.6	6.8	54	<.1	205.5	13.7	336	2.18	32.2	.7	3.1	.9	11	.2	1.7	.7	41	.14	.040	11	72.1	.99	156	.032	1	1.65	.008	.04	.4	.02	1.7	.2	<.05	5	<.5	15.0
1036	.7	17.4	5.6	32	.1	88.0	14.0	520	1.61	62.6	.5	1.3	.1	12	.2	1.0	.6	43	.09	.092	6	83.6	.66	173	.008	<1	1.14	.011	.04	.5	.01	.4	.1	.08	5	<.5	15.0
1037	3.3	28.7	10.1	173	.6	59.1	11.0	359	2.24	22.3	1.5	3.6	2.6	38	1.1	1.1	.7	59	.39	.080	15	42.1	.56	105	.048	3	1.41	.014	.04	.6	.03	2.3	.1	<.05	5	2.5	15.0
1038	6.7	36.4	13.3	301	.6	51.8	13.4	415	2.92	13.6	1.8	2.9	2.2	44	2.5	1.7	.3	79	.34	.069	15	39.5	.50	107	.046	1	1.76	.013	.05	.5	.03	2.3	.1	<.05	5	4.4	15.0
1039	5.8	71.8	44.3	520	1.1	70.2	25.2	1109	3.50	51.2	2.6	21.8	4.4	140	2.2	2.3	1.5	93	.77	.099	17	43.8	.88	76	.035	1	2.28	.022	.06	1.3	.03	3.6	.2	<.05	7	4.2	15.0
1040	9.9	96.6	19.4	558	1.3	107.3	16.6	733	4.05	82.0	3.5	7.1	6.1	82	6.1	5.7	.5	117	.81	.198	27	40.7	.56	94	.026	2	1.86	.026	.06	1.2	.03	4.5	.2	<.05	6	6.3	15.0
1041	7.2	32.7	6.7	45	.5	13.8	3.3	149	1.21	4.1	2.3	1.5	<.1	25	.6	.9	.2	41	.11	.141	6	29.5	.17	64	.010	<1	1.25	.020	.05	.2	.04	.4	.2	.11	4	2.0	15.0
1042	19.0	107.1	22.6	346	1.1	52.9	23.3	2253	4.83	64.4	4.5	9.6	5.3	139	2.8	17.1	.5	125	.56	.166	18	57.3	.83	84	.039	<1	2.57	.031	.13	.6	.02	4.8	.4	.06	8	3.5	15.0
1043	.6	86.5	5.5	66	.1	1200.1	93.2	1102	4.62	148.7	.7	31.1	2.6	13	.2	1.8	13.3	37	.17	.047	8	234.2	5.84	87	.046	5	1.08	.016	.07	2.9	.02	6.0	.3	<.05	3	.9	15.0
1044	3.2	4.9	9.7	26	.1	12.2	1.7	108	.73	9.1	1.3	1.2	3.7	8	.1	.9	1.0	33	.07	.013	13	31.0	.20	70	.078	<1	.58	.006	.06	.7	.01	1.0	.2	<.05	6	<.5	15.0
1045	1.9	7.1	6.3	30	.1	15.0	2.3	132	.93	7.8	1.1	.8	1.8	6	<.1	.9	.8	37	.04	.014	13	22.6	.23	52	.053	<1	.55	.005	.06	.9	.01	1.0	.1	<.05	6	<.5	15.0
1046	3.8	16.7	10.0	65	.2	29.9	4.6	173	1.57	12.2	1.6	2.0	1.1	15	.5	1.1	1.8	50	.10	.028	13	41.4	.32	102	.043	<1	.93	.008	.07	1.1	.01	1.1	.2	<.05	7	1.0	15.0
1047	12.5	32.8	8.0	116	.1	182.8	28.5	943	3.26	102.4	6.5	2.5	2.1	22	.6	1.3	2.7	77	.26	.086	12	108.2	1.45	121	.024	1	1.49	.017	.07	4.1	.02	2.4	.1	.16	6	.9	15.0
1048	3.3	6.5	9.0	26	.1	16.7	3.0	151	1.10	8.5	1.9	<.5	3.1	11	.1	.4	2.1	41	.12	.014	13	28.6	.30	67	.070	<1	.75	.006	.04	1.2	.01	1.3	.2	<.05	6	<.5	15.0
1049	3.5	14.1	9.0	50	.1	38.7	7.2	469	2.02	17.0	2.7	1.3	3.1	8	.2	.7	1.8	86	.08	.033	12	51.0	.42	93	.059	<1	.82	.008	.06	1.4	.01	1.6	.1	<.05	8	<.5	15.0
1050	3.2	18.4	10.2	47	.1	56.4	7.9	463	1.85	40.6	32.3	<.5	25.3	14	.1	1.1	1.0	33	.23	.033	38	43.8	.48	83	.032	<1	1.05	.011	.08	1.6	.01	3.1	.3	<.05	5	.7	7.5
STANDARD DS6	11.3	125.6	30.8	147	.3	25.1	10.5	739	2.85	22.0	6.7	44.6	3.1	39	6.2	3.5	4.9	57	.85	.078	14	186.1	.59	163	.069	17	1.81	.073	.15	3.4	.24	3.2	1.7	<.05	6	4.5	15.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA ____

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Sample
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	gm
G-1	1.5	2.9	2.7	47	<.1	1.2	4.4	578	2.03	.5	1.8	.9	4.1	82	<.1	<.1	.1	44	.55	.078	7	13.0	.59	264	.128	<1	.95	.096	.58	1.3	<.01	3.0	.3	<.05	5	<.5	15.0
1051	3.5	15.6	8.0	47	.1	37.3	5.8	230	2.33	15.7	2.0	.8	6.8	9	.2	1.0	1.6	63	.12	.027	11	50.8	.47	84	.081	<1	1.24	.008	.06	1.7	.02	2.4	.2	<.05	7	.5	15.0
1052	2.3	12.1	7.6	45	<.1	23.7	4.1	194	1.31	10.2	7.5	1.6	16.3	11	.1	.5	1.8	29	.19	.034	13	25.6	.32	68	.056	<1	.88	.008	.08	1.6	.01	1.7	.2	<.05	4	<.5	15.0
1053	3.3	12.7	9.9	41	<.1	17.8	4.6	215	1.80	12.0	7.7	1.6	17.5	8	.3	.7	3.6	39	.12	.023	17	27.0	.30	55	.069	2	.87	.007	.09	1.5	.01	1.9	.2	<.05	5	<.5	15.0
1054	7.3	14.7	17.7	61	.1	16.1	6.5	564	2.07	18.4	8.6	1.2	19.5	11	.4	.9	4.6	48	.11	.036	17	28.8	.31	87	.074	1	1.19	.009	.10	1.9	.01	2.2	.3	<.05	7	<.5	15.0
1055	4.0	9.9	11.3	29	<.1	10.1	3.1	182	1.57	11.8	7.0	2.8	28.2	8	.4	.5	6.5	27	.13	.035	16	17.8	.25	38	.065	1	.81	.011	.12	2.3	.02	1.9	.3	<.05	5	<.5	15.0
1055A	1.1	7.7	7.7	36	.1	13.0	6.1	242	3.24	7.7	6.3	1.1	42.8	21	.2	.3	.3	72	.60	.203	74	25.1	.39	77	.036	<1	.68	.011	.06	3.7	<.01	1.4	.1	<.05	4	<.5	1.0
1056	5.7	35.4	18.9	66	.7	31.3	7.4	541	2.11	22.2	17.4	3.0	1.7	21	.6	1.1	1.1	62	.19	.076	16	39.6	.36	181	.016	<1	1.57	.011	.06	.5	.03	.9	.2	<.05	8	.9	15.0
1057	.9	20.1	4.8	43	<.1	394.7	19.3	389	2.77	33.8	.7	5.4	4.0	12	.2	.5	4.7	42	.18	.029	13	104.5	2.74	93	.063	2	.87	.013	.05	4.5	.01	4.2	.2	<.05	3	<.5	15.0
1058	.9	28.4	4.0	57	<.1	779.6	34.8	556	3.65	50.6	1.0	3.5	1.7	10	.3	.4	2.2	55	.14	.053	7	172.8	4.55	131	.052	2	1.20	.019	.04	2.8	.02	6.1	.2	<.05	4	<.5	15.0
1059	10.2	51.8	8.1	120	.1	275.7	24.7	1082	3.51	126.3	3.9	4.2	3.0	26	.8	2.2	.9	100	.21	.075	17	97.8	1.71	98	.049	1	1.65	.016	.06	1.5	.02	4.3	.2	.06	6	1.1	15.0
1060	7.1	36.1	13.1	100	.2	132.8	39.5	1816	3.37	50.3	2.8	1.5	.8	22	1.5	1.8	.6	83	.23	.118	12	104.5	.90	130	.021	1	1.79	.012	.06	.6	.03	1.5	.3	.10	7	.9	15.0
1061	12.3	73.1	29.0	157	.4	58.5	21.0	768	4.16	52.6	5.2	4.6	7.4	36	1.0	2.1	13.8	71	.29	.097	22	50.4	.63	128	.034	1	2.14	.020	.21	7.0	.04	4.3	.6	.08	7	3.9	15.0
1062	6.0	9.7	18.2	139	.1	9.9	6.0	914	3.12	26.1	8.2	1.4	37.4	14	.8	.9	.9	31	.24	.078	28	13.0	.31	56	.004	<1	1.84	.007	.08	.6	.02	2.0	.2	<.05	9	1.5	15.0
1063	12.3	45.2	5.6	148	.1	85.1	22.5	770	3.05	25.5	2.8	1.4	3.8	26	.6	1.2	.4	72	.24	.088	21	74.5	.49	79	.054	1	1.56	.022	.05	1.9	.01	3.2	.2	.10	5	2.0	15.0
1064A	9.6	31.0	7.5	75	.1	39.3	8.8	425	2.47	15.4	3.9	.6	5.1	20	.4	.7	.5	65	.17	.055	18	53.8	.42	78	.044	2	1.75	.015	.06	1.2	.03	2.4	.3	.07	6	2.1	15.0
1064B	6.1	27.9	6.3	63	.2	26.0	6.5	396	2.26	8.3	3.1	1.5	1.3	20	.7	.5	.4	72	.16	.072	14	64.3	.36	79	.027	1	1.85	.011	.05	.9	.03	1.4	.2	.07	7	1.8	15.0
1065	11.0	18.9	11.4	45	<.1	20.3	6.6	342	1.99	31.6	11.5	29.5	16.8	13	.2	1.3	2.6	39	.24	.064	18	26.9	.34	66	.043	1	1.03	.008	.05	1.3	.02	1.7	.4	<.05	5	.6	15.0
1066	4.5	11.8	8.7	39	<.1	9.1	3.2	168	1.78	7.7	3.3	5.0	1.9	7	.2	.5	3.7	43	.08	.038	11	25.8	.13	41	.035	<1	.63	.005	.04	1.5	.03	.7	.1	<.05	5	<.5	15.0
1067	10.4	24.8	12.7	63	.2	18.0	5.4	489	2.03	14.5	8.8	2.8	1.8	19	1.1	.8	2.9	50	.26	.087	17	31.4	.33	99	.017	1	1.19	.009	.06	2.7	.03	.9	.2	.09	6	1.5	15.0
1068	3.2	24.0	11.1	77	.2	20.9	6.5	293	1.53	12.7	5.0	.8	2.4	17	.8	.7	4.2	37	.20	.100	11	27.0	.27	74	.030	3	2.04	.014	.05	2.2	.06	1.3	.1	.09	4	1.7	7.5
1069	2.4	19.1	12.0	70	.1	22.8	6.4	267	2.19	18.1	3.2	<.5	2.6	13	.6	.6	3.4	53	.20	.067	15	39.0	.44	70	.047	2	1.44	.007	.07	1.5	.02	1.7	.2	.08	5	.8	15.0
1070	3.2	23.1	6.5	68	.1	27.9	7.6	355	2.14	7.8	2.0	.8	1.6	15	.7	.5	.5	71	.17	.052	14	47.6	.60	99	.067	1	1.78	.011	.13	.4	.03	2.9	.3	.07	6	1.2	15.0
1071	3.6	23.4	8.3	50	.1	25.1	6.0	266	2.10	9.2	2.4	5.0	4.8	13	.2	.5	1.8	71	.16	.035	19	38.4	.55	77	.080	1	1.43	.010	.10	1.8	.02	2.8	.3	.08	5	1.3	15.0
1072	3.2	23.5	7.7	57	.1	20.6	6.0	317	2.18	8.1	2.4	2.9	4.8	12	.3	.5	1.7	81	.15	.039	16	39.6	.62	91	.089	1	1.41	.010	.13	1.5	.04	3.6	.2	.06	6	.9	15.0
1073	6.1	29.2	6.1	63	.2	22.9	5.4	369	2.25	7.8	2.2	2.1	1.8	12	.5	.5	.5	151	.10	.054	17	58.7	.68	86	.070	1	1.88	.009	.15	.8	.03	3.4	.3	.07	7	2.2	15.0
1074	.7	7.5	7.3	36	<.1	15.2	6.2	254	2.77	7.4	4.3	<.5	39.1	21	.1	.3	.2	63	.58	.197	63	24.6	.41	80	.036	1	.69	.011	.06	2.9	<.01	1.4	.1	<.05	3	<.5	1.0
RE 1075	5.1	35.5	7.8	93	.3	29.6	8.6	550	2.15	11.5	2.4	5.2	1.3	16	1.2	.5	.4	84	.14	.079	12	43.8	.63	102	.054	2	2.08	.014	.15	.8	.04	2.8	.4	.10	6	2.4	15.0
1075	5.1	38.7	7.4	96	.3	32.7	8.8	558	2.25	12.0	2.2	8.1	1.3	16	1.4	.6	.5	95	.14	.080	12	44.7	.63	106	.061	2	2.04	.015	.16	.8	.04	2.8	.3	.09	7	2.3	15.0
1076	6.9	29.2	10.6	80	.2	22.3	15.8	2775	2.05	6.0	2.1	1.6	.6	15	1.5	.4	.4	83	.11	.108	12	47.9	.55	239	.024	1	1.74	.009	.24	.2	.04	1.2	.9	.17	7	1.7	15.0
1077	2.4	25.9	6.4	84	.1	22.8	8.6	400	2.37	6.7	1.4	1.3	2.0	14	1.0	.4	.4	67	.17	.060	16	38.3	.60	104	.069	<1	1.82	.010	.13	.7	.03	2.8	.2	.06	6	1.1	15.0
1078	2.2	20.5	5.1	63	.1	19.9	5.3	311	2.06	6.4	.9	11.8	1.5	14	.5	.4	.7	80	.16	.045	13	37.5	.61	93	.068	<1	1.70	.011	.13	1.0	.03	3.0	.2	<.05	6	1.0	15.0
1079	1.4	25.1	6.8	64	.2	20.0	5.9	352	1.79	6.0	1.6	1.5	.7	14	.9	.4	.2	55	.17	.109	13	33.2	.46	108	.029	1	2.41	.009	.11	.4	.04	1.4	.2	.15	5	1.4	15.0
1080	.9	19.7	5.9	61	.1	17.2	8.1	406	2.25	6.0	.9	2.2	1.7	13	.2	.4	.4	55	.15	.067	12	26.6	.52	134	.041	<1	1.30	.009	.14	.3	.02	3.1	.2	.11	5	.6	7.5
1081	.7	29.0	6.0	74	.2	32.4	19.8	1045	2.94	9.1	1.0	2.6	2.6	22	.1	.4	.6	72	.31	.045	16	63.6	.78	116	.167	1	2.03	.029	.21	.3	.04	3.8	.2	<.05	8	.6	15.0
STANDARD DS6	11.4	118.1	29.9	138	.3	24.1	10.5	721	2.87	21.6	6.7	48.0	3.2	41	5.8	3.4	4.8	58	.82	.074	15	186.3	.60	170	.085	18	1.86	.073	.16	3.4	.22	3.3	1.6	<.05	6	4.4	15.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

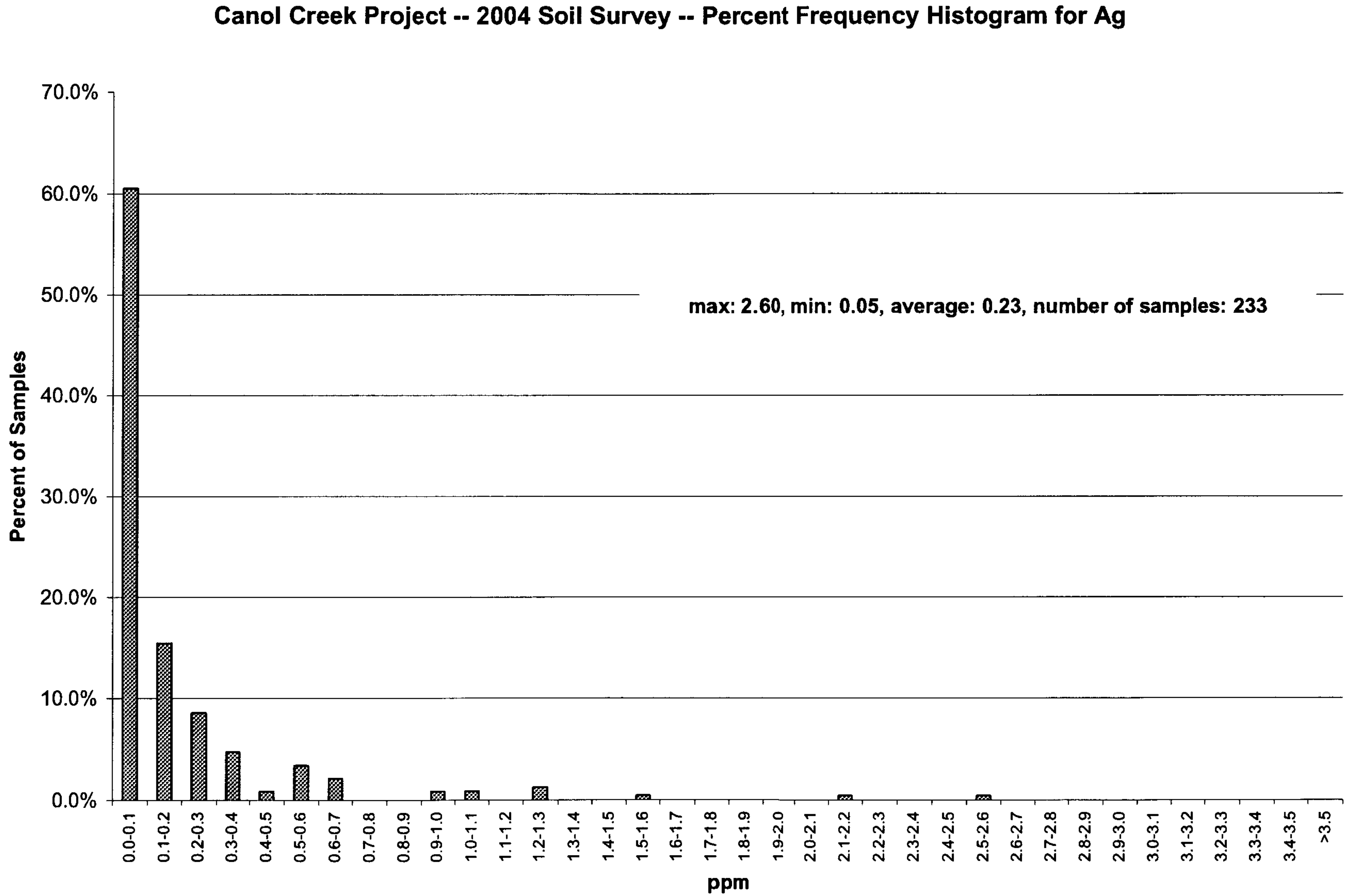
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	1.4	2.6	2.2	41	<.1	4.4	4.2	587	1.83	<.5	1.7	.9	3.7	76	<.1	<.1	<.1	40	.51	.074	6	12.9	.53	247	.124	2	.96	.112	.54	1.5	<.01	2.8	.3	<.05	5	<.5	15.0
1082	.5	31.5	7.7	73	.1	29.3	11.7	470	3.10	47.3	1.0	4.8	3.8	45	.1	.3	.9	61	.23	.044	17	79.2	.81	185	.122	1	3.08	.020	.50	.8	.02	4.9	.6	<.05	9	.6	15.0
1083	1.3	33.1	8.8	73	.1	70.1	14.9	588	3.35	49.8	.7	2.7	4.8	28	.2	.8	.4	64	.23	.033	14	111.5	1.05	101	.129	1	2.67	.011	.34	.7	.02	4.5	.6	<.05	9	.7	15.0
1084	.7	30.5	3.6	82	.1	10.4	12.2	522	2.81	6.7	.5	4.8	1.5	37	.5	.3	.3	101	.47	.029	7	20.2	1.24	167	.117	<1	2.13	.015	.44	.5	.01	7.6	.5	.07	7	.5	15.0
1085	7.8	14.8	11.4	38	.1	9.6	2.7	148	1.31	12.2	7.5	2.2	6.2	9	.3	.8	6.8	37	.09	.021	13	19.4	.16	45	.056	1	.70	.006	.06	4.8	.01	1.2	.2	<.05	5	.6	15.0
1086	3.6	10.8	9.8	31	<.1	9.8	2.8	128	1.54	16.2	5.8	1.5	19.5	7	.2	.6	8.0	37	.13	.046	12	20.8	.19	36	.056	1	.86	.007	.05	5.9	.01	1.8	.2	<.05	4	.6	15.0
1087	32.5	22.3	16.2	37	.1	9.5	2.9	152	2.53	38.8	12.8	2.4	42.2	8	.1	2.7	9.2	32	.17	.031	11	18.5	.18	38	.062	1	1.14	.005	.11	6.2	.02	2.4	.8	<.05	8	<.5	15.0
1088	10.4	12.4	11.7	43	<.1	9.7	3.2	162	1.73	9.9	10.1	1.2	26.7	7	.2	.6	4.4	35	.10	.017	14	19.7	.21	49	.086	1	.98	.005	.08	4.2	.01	2.1	.3	<.05	6	<.5	15.0
1089	23.2	19.8	12.7	46	.1	5.4	1.4	94	2.16	33.6	25.0	<.5	42.1	11	.2	1.0	4.1	21	.12	.060	20	8.1	.09	32	.020	1	1.08	.008	.06	3.8	.03	1.7	.3	<.05	9	.7	15.0
1090	2.7	18.0	13.0	74	.1	39.2	5.5	331	1.70	26.7	14.9	2.3	11.6	18	.4	1.5	1.3	45	.29	.042	20	48.3	.43	148	.060	<1	1.13	.010	.11	1.0	.01	2.4	.3	<.05	5	.8	15.0
1091	4.5	18.7	12.6	127	.3	46.8	9.0	347	2.19	28.3	3.7	1.9	7.7	23	1.2	1.7	1.9	64	.26	.045	18	45.1	.44	118	.063	<1	1.39	.010	.08	1.4	.02	2.1	.2	<.05	6	1.5	15.0
1092	3.8	13.6	13.9	69	.2	25.3	4.2	204	1.47	16.3	2.2	1.0	3.2	12	.5	1.2	.6	47	.11	.019	17	37.0	.35	102	.061	<1	1.11	.008	.07	.6	.01	1.7	.2	<.05	6	<.5	15.0
RE 1092	3.5	13.5	13.4	67	.1	27.5	4.3	212	1.50	15.9	2.2	.8	3.3	11	.5	1.2	.6	47	.10	.019	16	38.0	.36	102	.064	1	1.18	.006	.07	.6	.01	1.7	.2	<.05	7	<.5	15.0
1093	11.0	32.4	21.3	125	.4	64.9	9.3	482	2.83	49.3	3.4	2.6	4.3	15	.4	2.7	6.7	78	.12	.035	15	46.2	.42	149	.057	1	2.01	.010	.15	1.6	<.01	2.4	.4	<.05	11	1.1	15.0
1094	4.9	35.2	21.1	135	.2	105.9	11.7	587	2.20	64.0	5.9	2.1	10.6	20	1.0	3.5	1.3	56	.22	.060	20	70.6	.73	228	.044	1	1.63	.012	.09	1.7	.02	3.0	.3	<.05	5	1.3	15.0
1095	4.3	11.1	7.9	55	.1	52.9	6.3	386	1.10	13.2	2.7	.6	2.7	11	.8	.9	.5	38	.15	.033	13	39.2	.42	118	.035	<1	.92	.011	.06	.7	.02	1.4	.1	.06	5	.6	15.0
1096	3.2	35.2	7.8	100	.2	294.8	14.9	342	1.71	78.2	3.3	3.1	1.4	19	2.1	1.6	.6	36	.38	.059	16	88.6	1.38	198	.027	1	1.49	.018	.04	.7	.01	2.3	.1	.10	4	1.9	15.0
1097	3.4	32.3	7.2	54	.2	316.9	16.0	530	1.86	32.2	1.5	1.3	1.6	17	.4	1.7	.7	42	.38	.061	10	115.7	1.68	276	.034	1	1.43	.017	.04	.7	.02	2.6	.1	<.05	4	1.1	15.0
1098	6.4	15.5	9.2	85	.1	55.6	4.5	209	1.78	32.7	1.6	6.1	.8	13	.2	2.2	.8	58	.09	.061	11	70.3	.44	110	.031	<1	.91	.006	.04	1.2	.02	1.3	.1	<.05	7	1.0	15.0
1099	1.8	34.6	9.3	99	.3	318.3	15.6	380	1.94	63.2	4.1	3.0	2.5	23	.7	1.5	.9	38	.53	.083	16	83.9	1.27	269	.025	1	1.72	.021	.04	1.7	.04	2.7	.2	<.05	5	1.1	15.0
1100	.6	8.1	6.8	40	<.1	15.6	6.2	243	2.35	8.0	3.4	1.0	28.8	22	.1	.3	.3	46	.57	.162	63	21.4	.43	73	.044	<1	.80	.013	.08	1.1	<.01	1.9	.1	<.05	3	<.5	7.5
STANDARD DS6	11.4	125.5	29.6	145	.3	25.4	10.7	737	2.90	21.0	6.6	48.5	3.2	39	6.0	3.5	5.0	57	.88	.081	14	180.2	.62	165	.086	17	1.85	.078	.17	3.5	.24	3.5	1.7	<.05	6	4.7	15.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

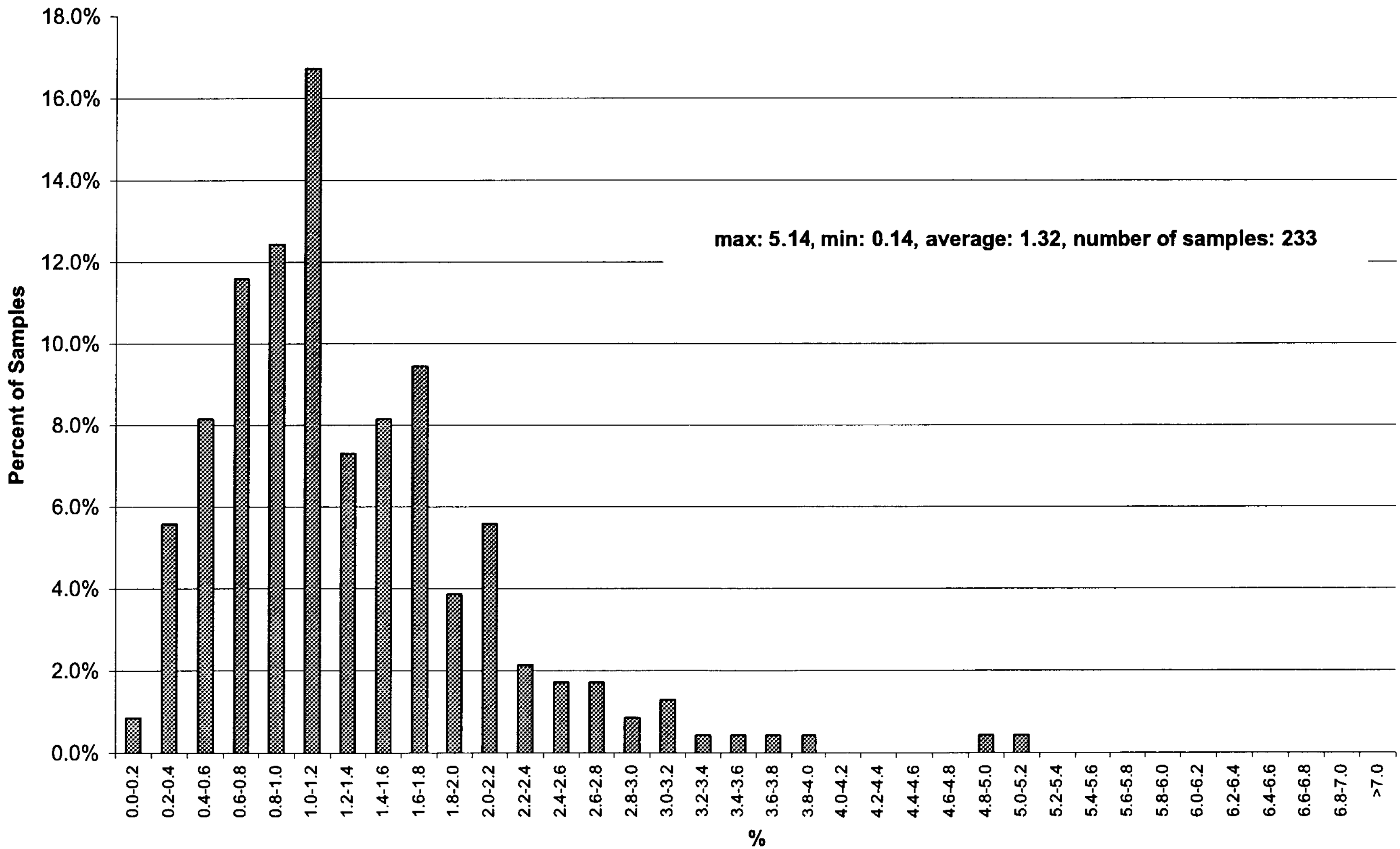
APPENDIX III

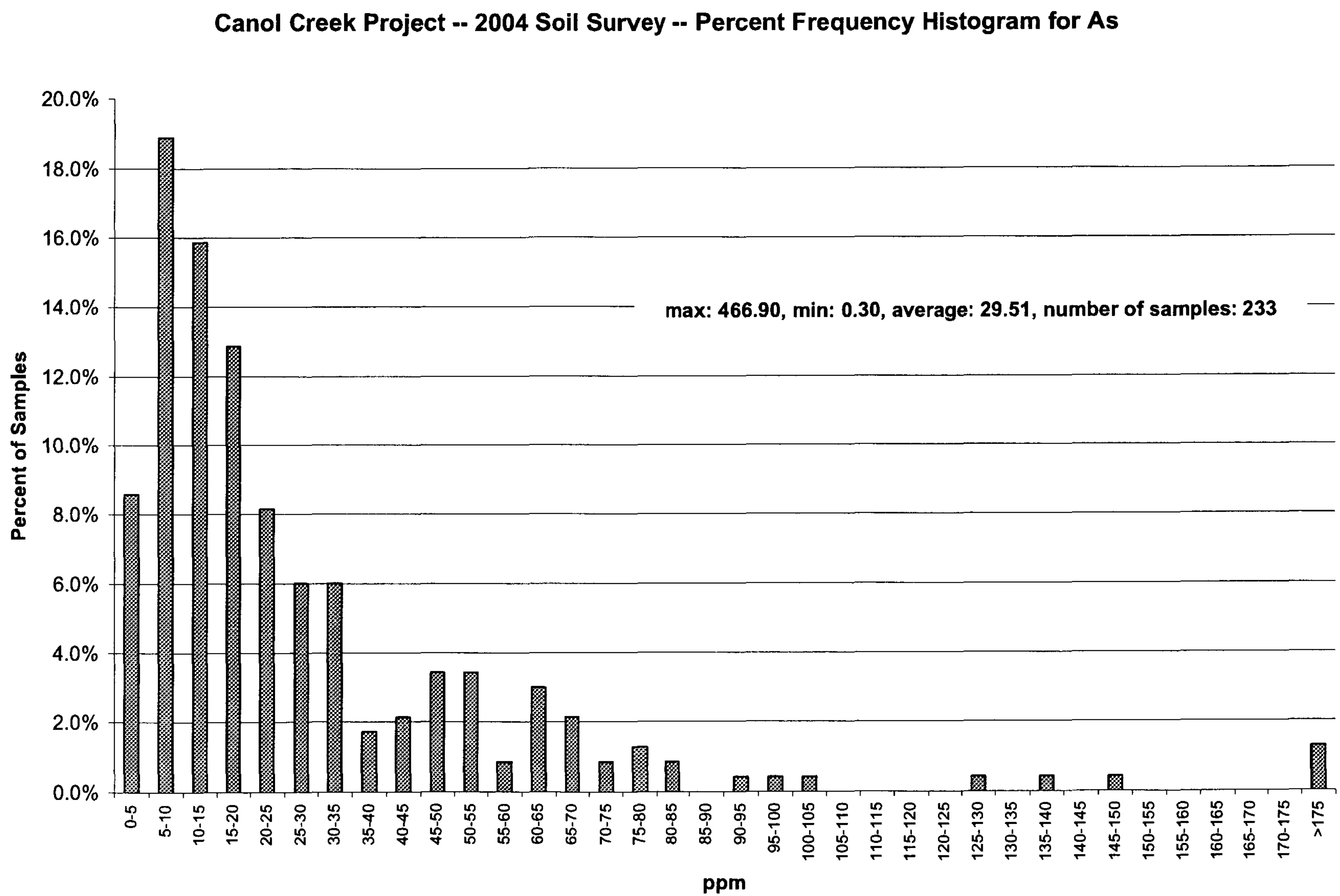
Histograms of soil sample results



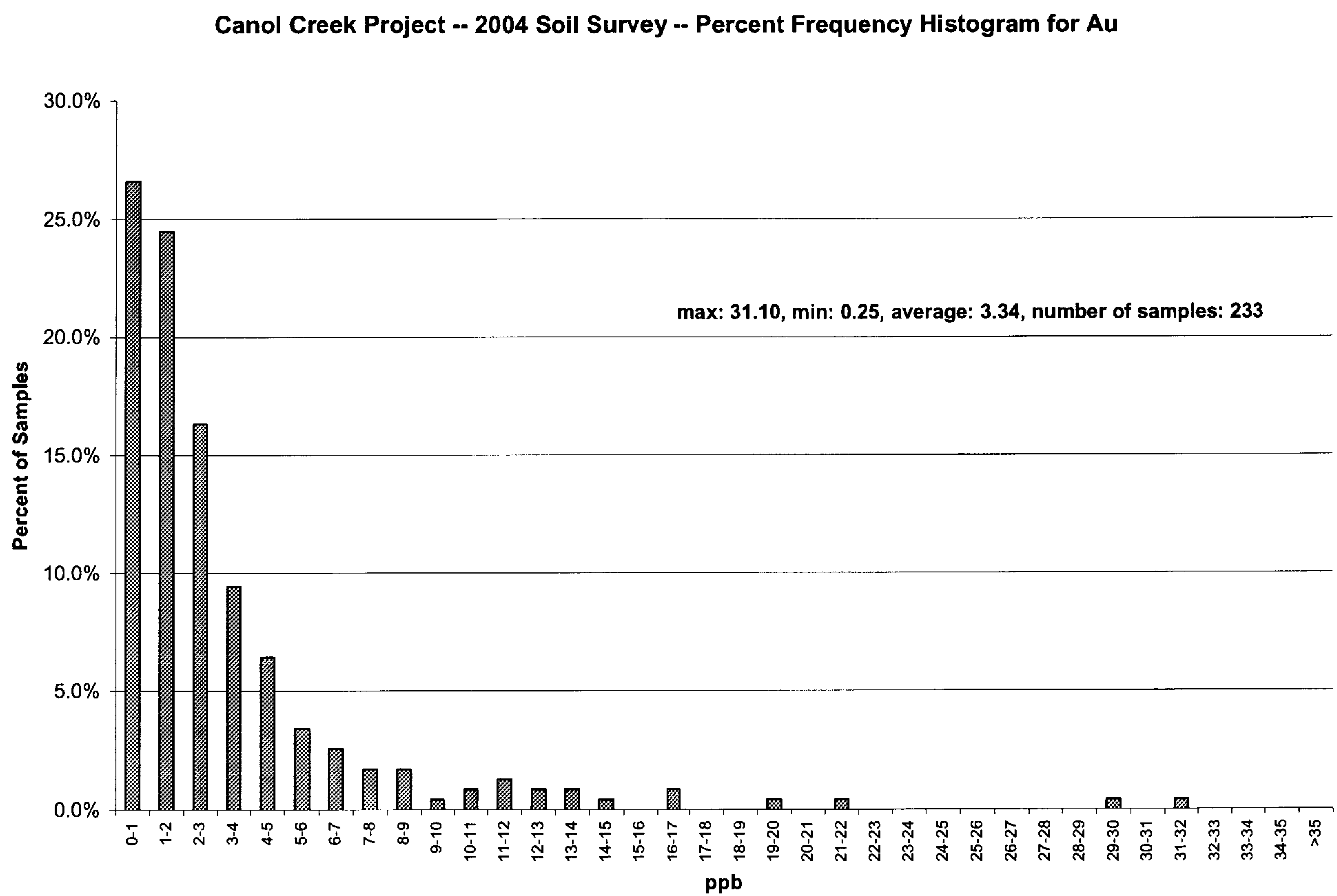
Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Ag
70.0%
60.0%
50.0%
40.0%
30.0%
20.0%
10.0%
0.0%
Percent of Samples
max: 2.60, min: 0.05, average: 0.23, number of samples: 233
0.0-0.1
0.1-0.2
0.2-0.3
0.3-0.4
0.4-0.5
0.5-0.6
0.6-0.7
0.7-0.8
0.8-0.9
0.9-1.0
1.0-1.1
1.1-1.2
1.2-1.3
1.3-1.4
1.4-1.5
1.5-1.6
1.6-1.7
1.7-1.8
1.8-1.9
1.9-2.0
2.0-2.1
2.1-2.2
2.2-2.3
2.3-2.4
2.4-2.5
2.5-2.6
2.6-2.7
2.7-2.8
2.8-2.9
2.9-3.0
3.0-3.1
3.1-3.2
3.2-3.3
3.3-3.4
3.4-3.5
>3.5
ppm

Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Al



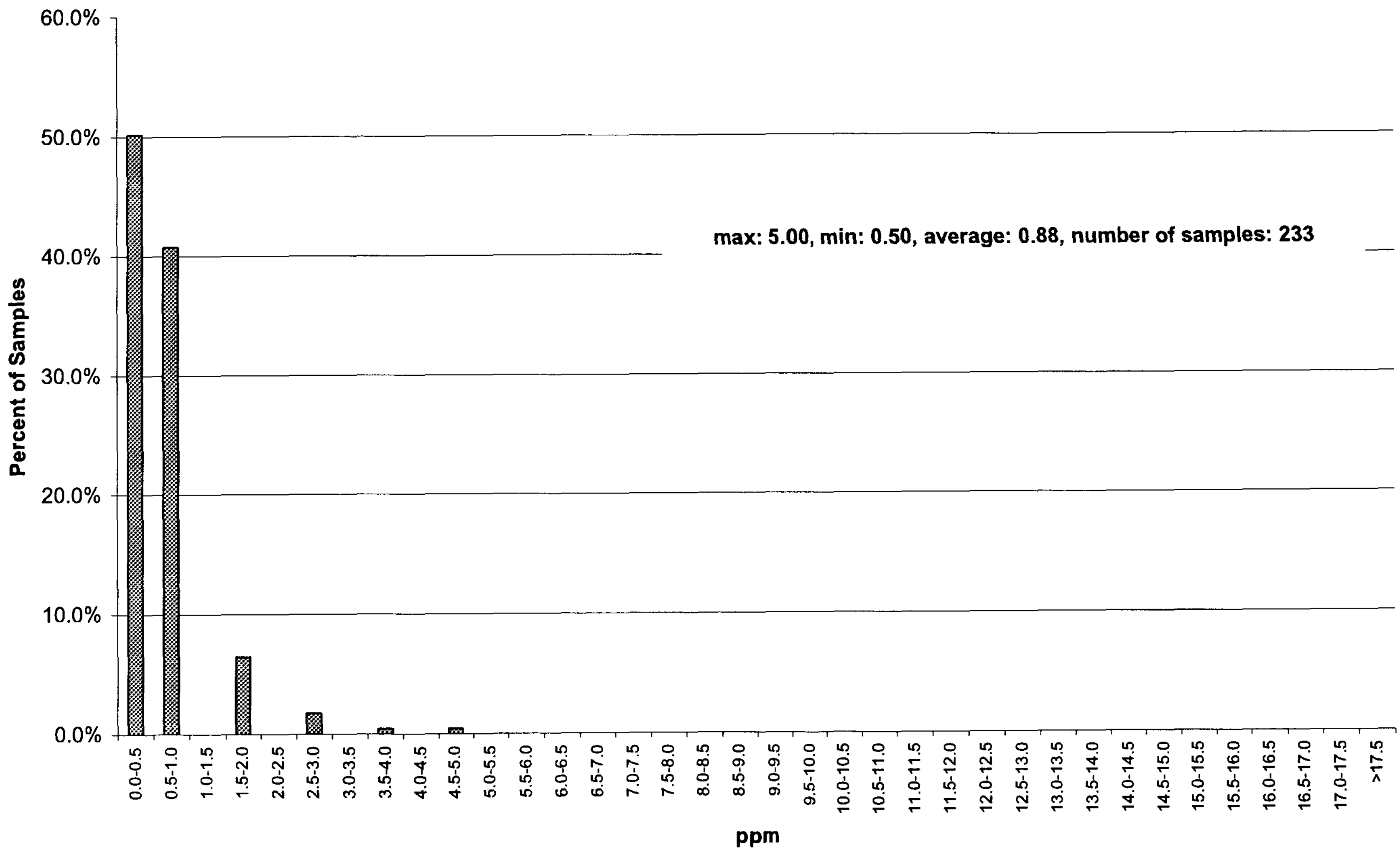


Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for As
max: 466.90, min: 0.30, average: 29.51, number of samples: 233
Percent of Samples
20.0%
18.0%
16.0%
14.0%
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
0-5
5-10
10-15
15-20
20-25
25-30
30-35
35-40
40-45
45-50
50-55
55-60
60-65
65-70
70-75
75-80
80-85
85-90
90-95
95-100
100-105
105-110
110-115
115-120
120-125
125-130
130-135
135-140
140-145
145-150
150-155
155-160
160-165
165-170
170-175
>175
ppm

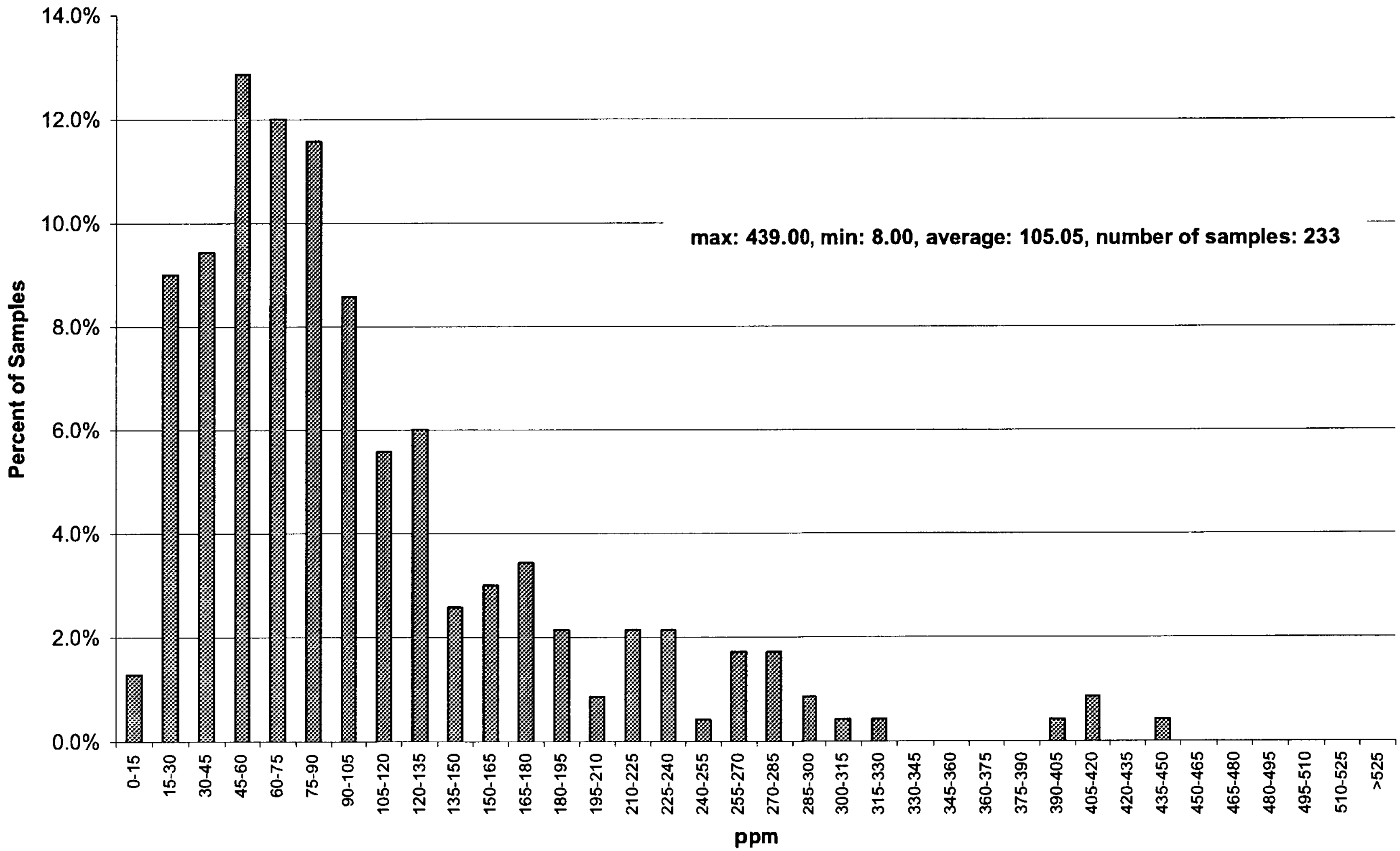


Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Au
max: 31.10, min: 0.25, average: 3.34, number of samples: 233
Percent of Samples
30.0%
25.0%
20.0%
15.0%
10.0%
5.0%
0.0%
0-1
1-2
2-3
3-4
4-5
5-6
6-7
7-8
8-9
9-10
10-11
11-12
12-13
13-14
14-15
15-16
16-17
17-18
18-19
19-20
20-21
21-22
22-23
23-24
24-25
25-26
26-27
27-28
28-29
29-30
30-31
31-32
32-33
33-34
34-35
>35
ppb

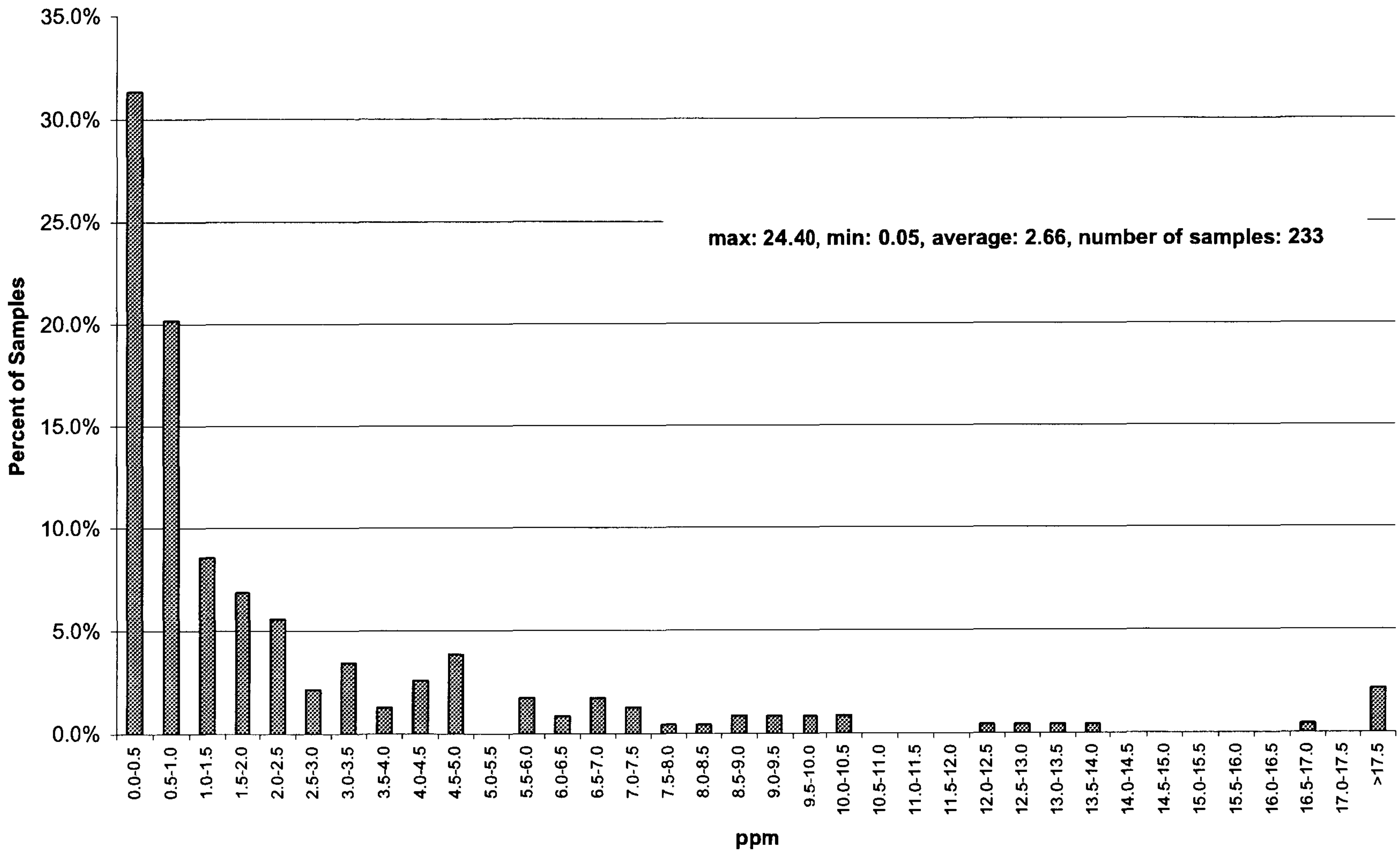
Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for B



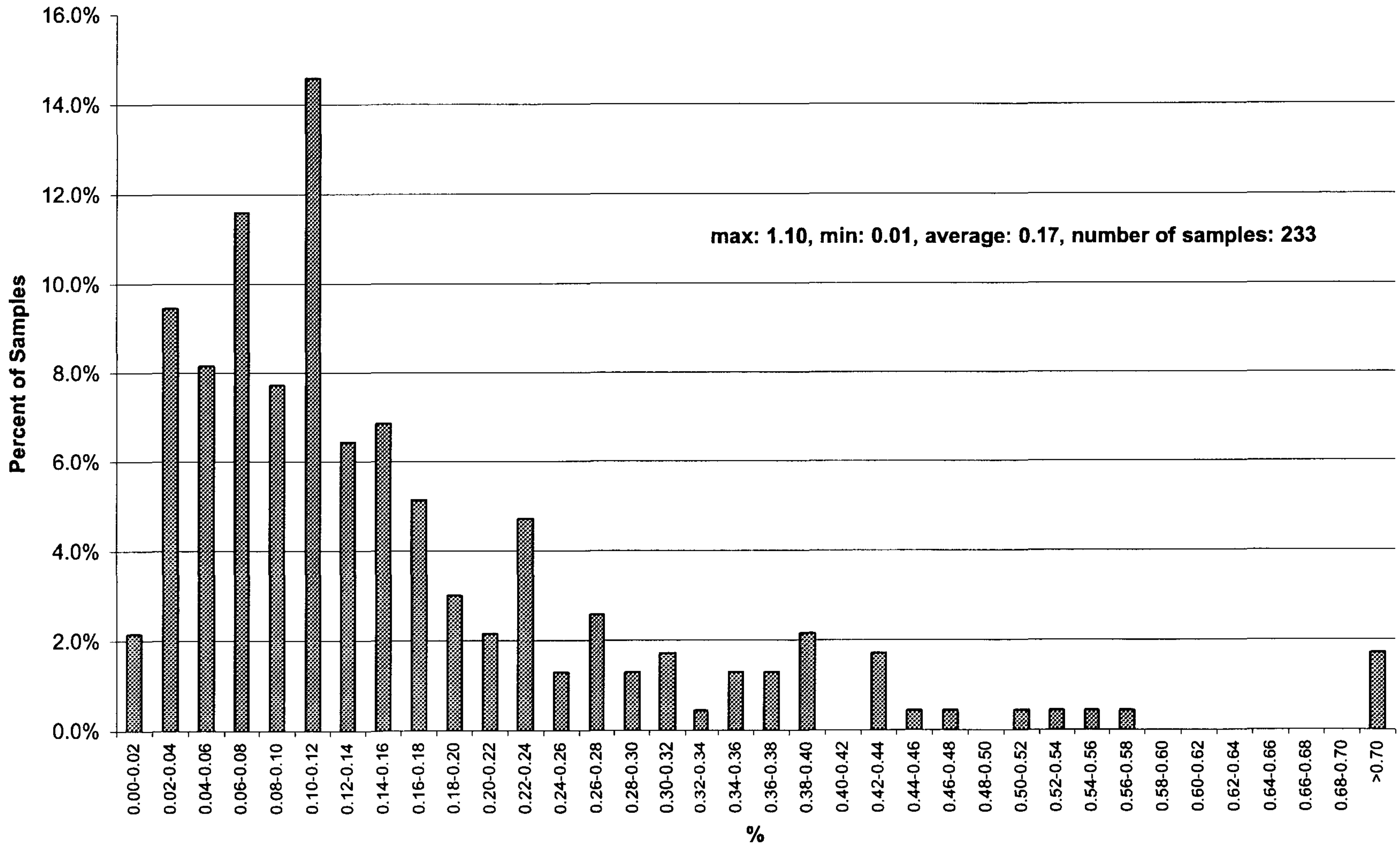
Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Ba



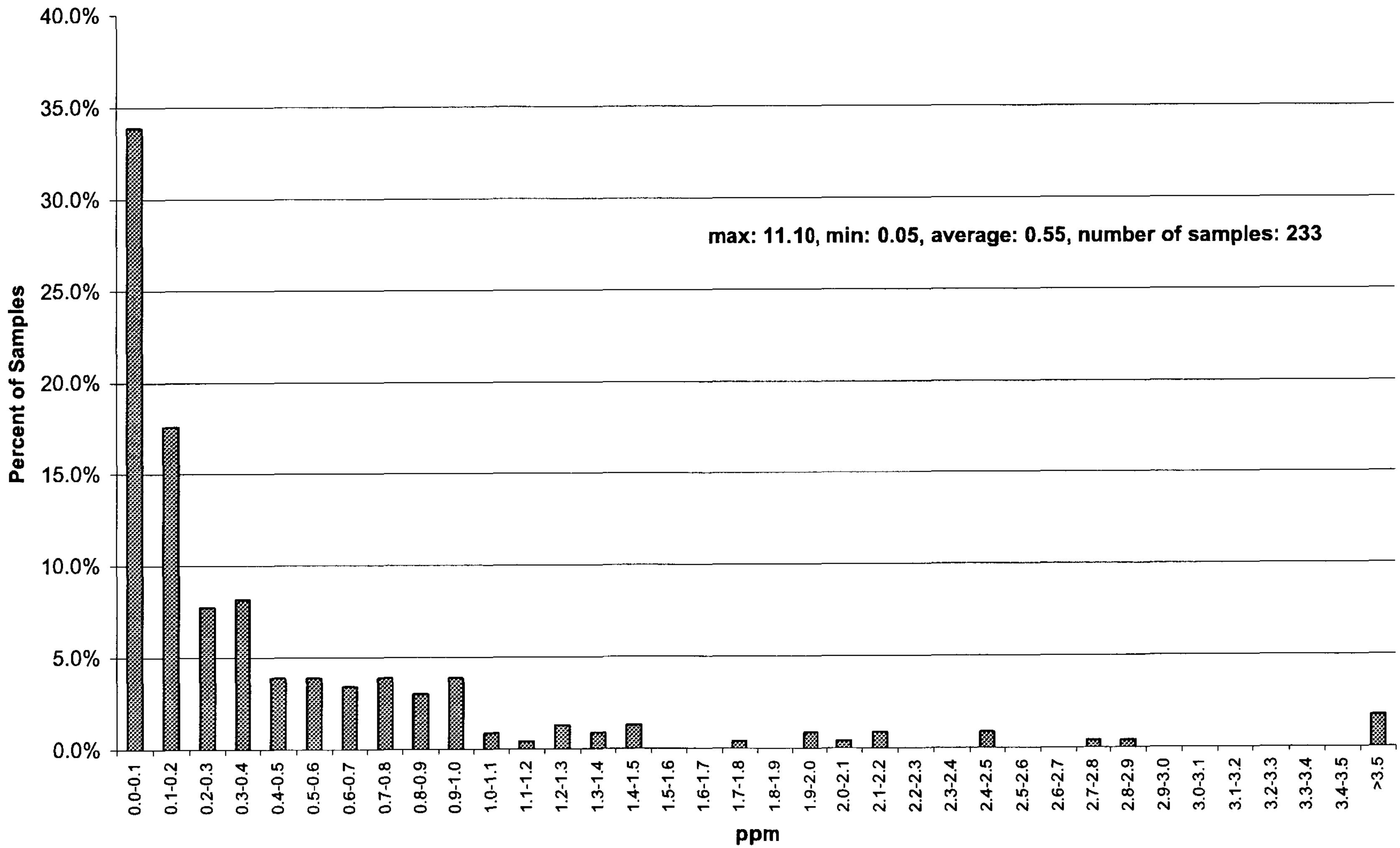
Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Bi



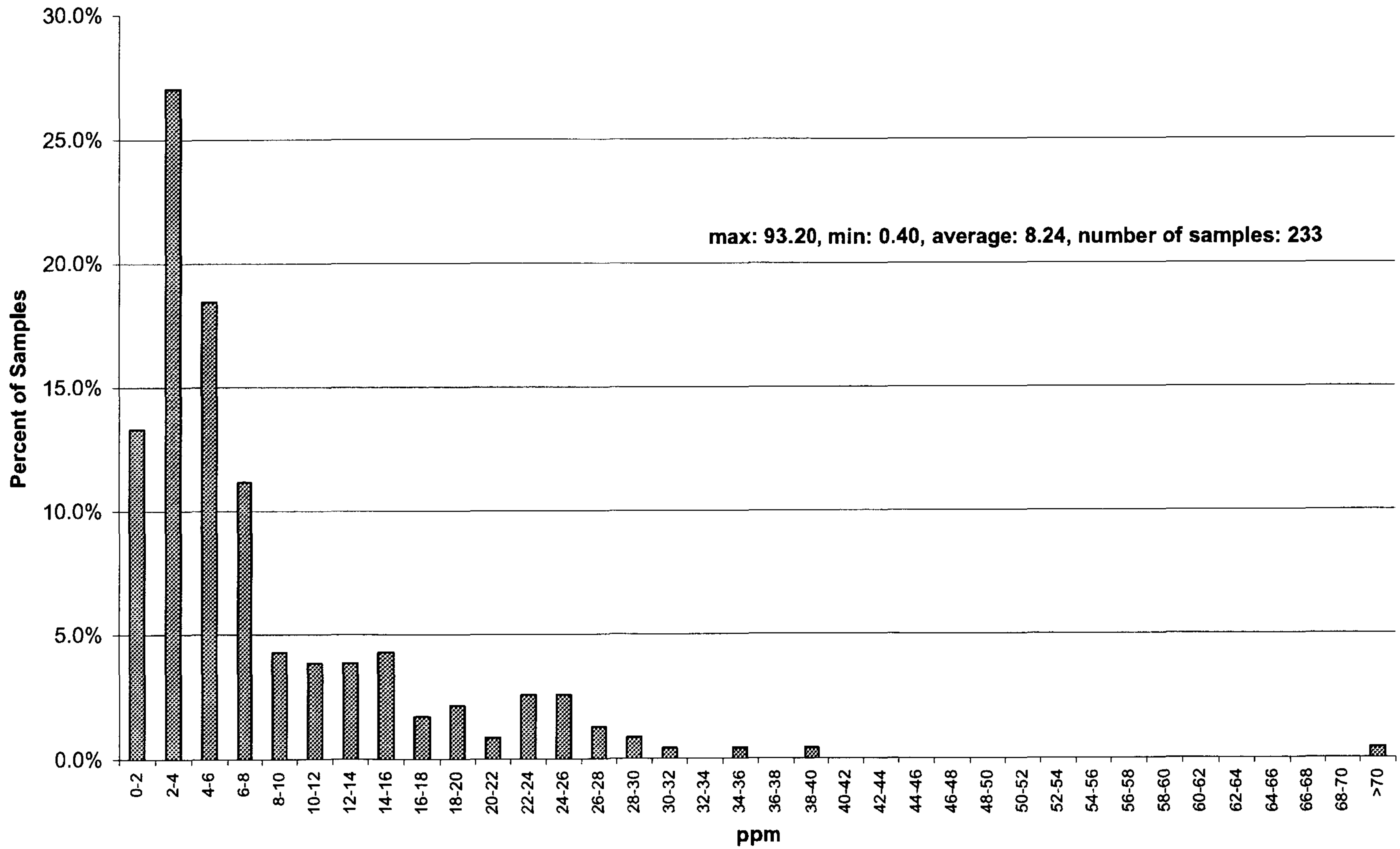
Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Ca

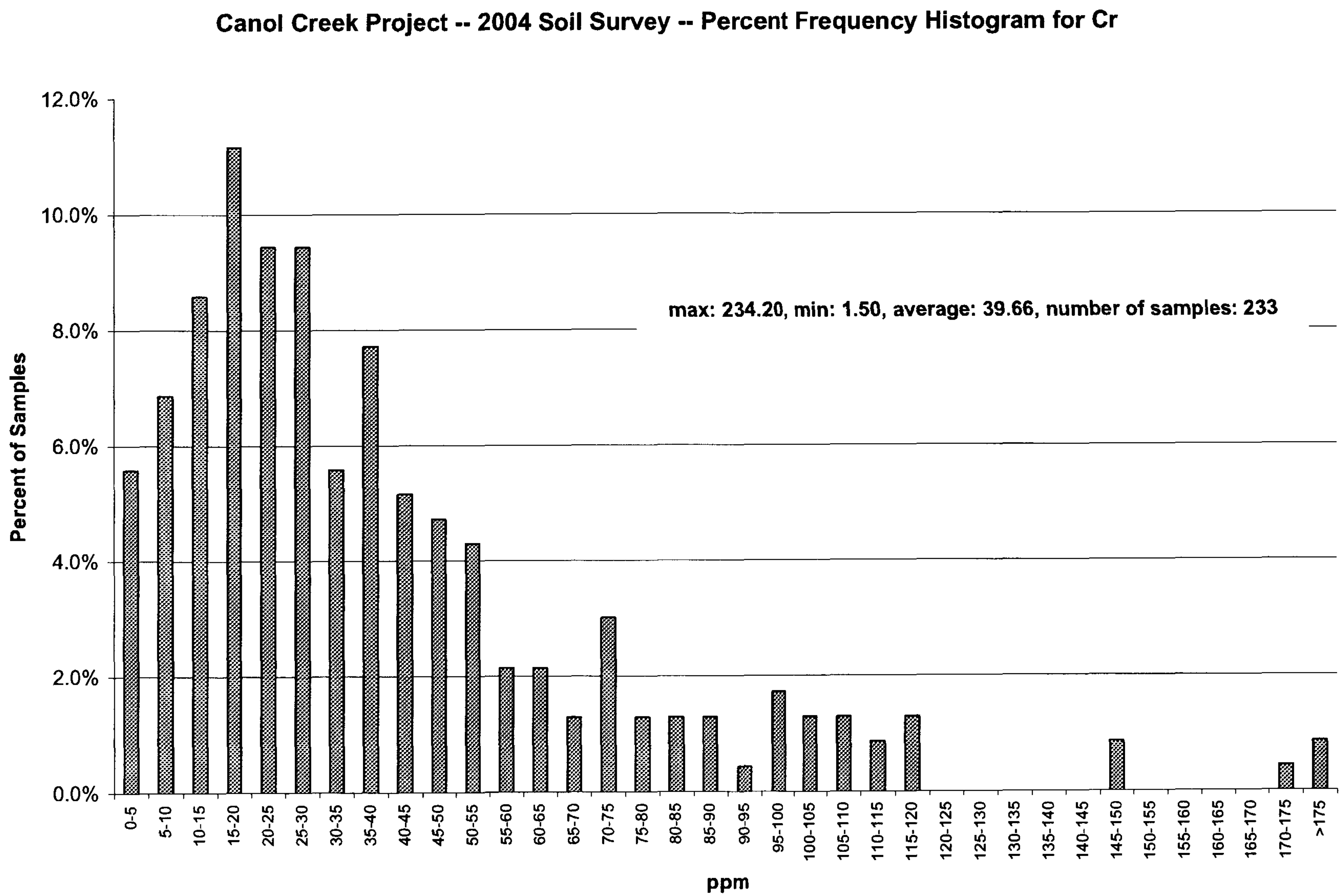


Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Cd

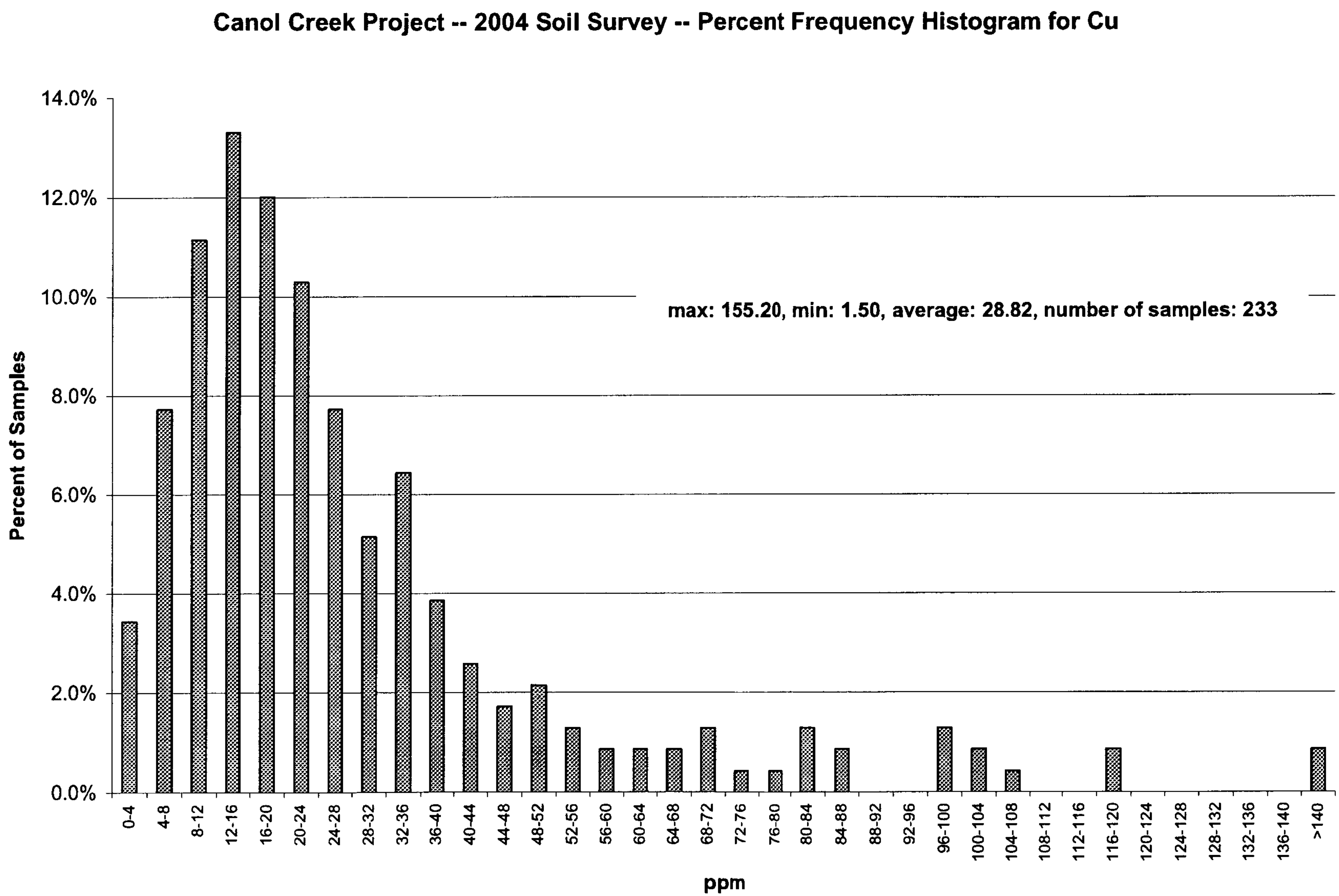


Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Co

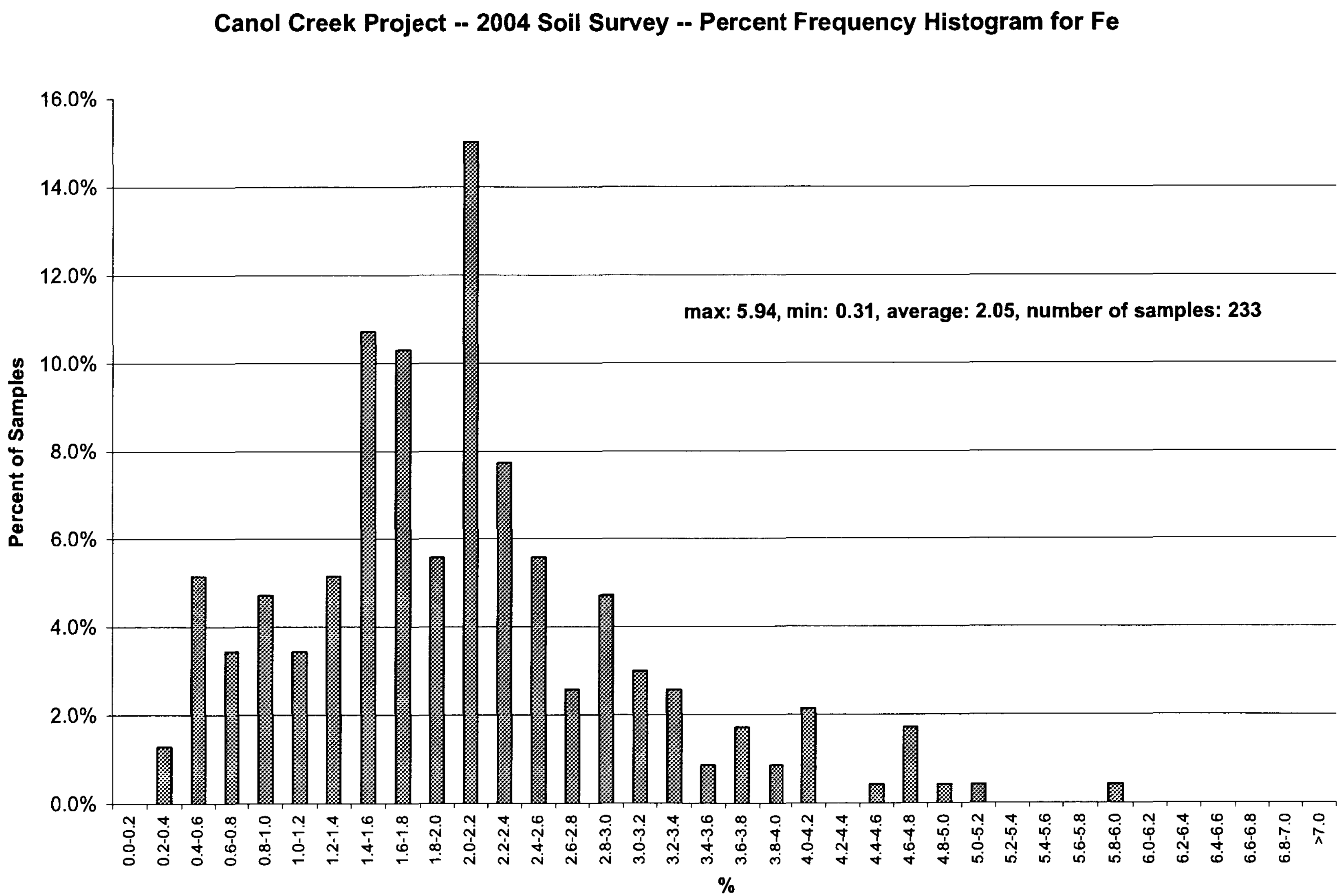




Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Cr
max: 234.20, min: 1.50, average: 39.66, number of samples: 233
Percent of Samples
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
0-5
5-10
10-15
15-20
20-25
25-30
30-35
35-40
40-45
45-50
50-55
55-60
60-65
65-70
70-75
75-80
80-85
85-90
90-95
95-100
100-105
105-110
110-115
115-120
120-125
125-130
130-135
135-140
140-145
145-150
150-155
155-160
160-165
165-170
170-175
>175
ppm

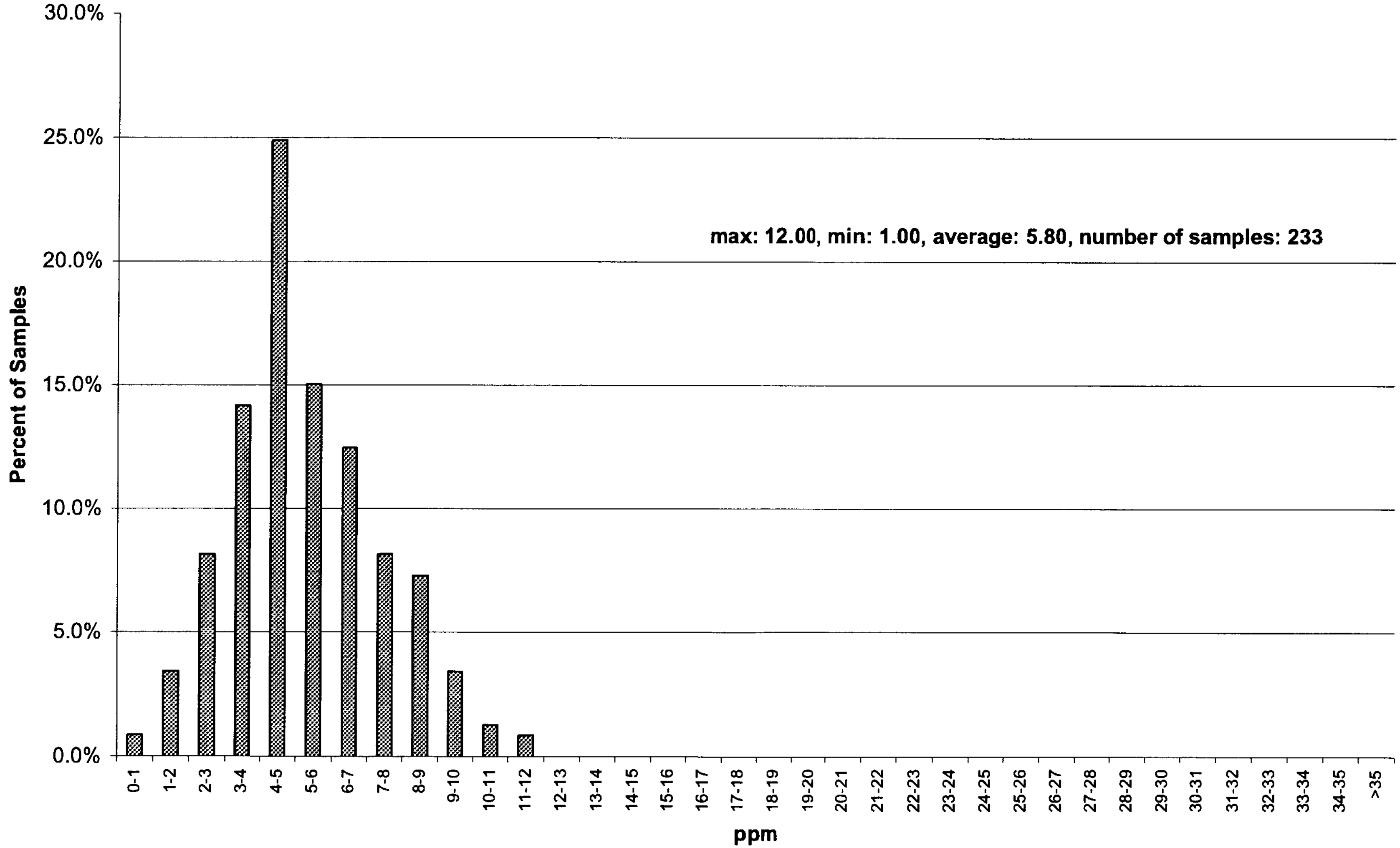


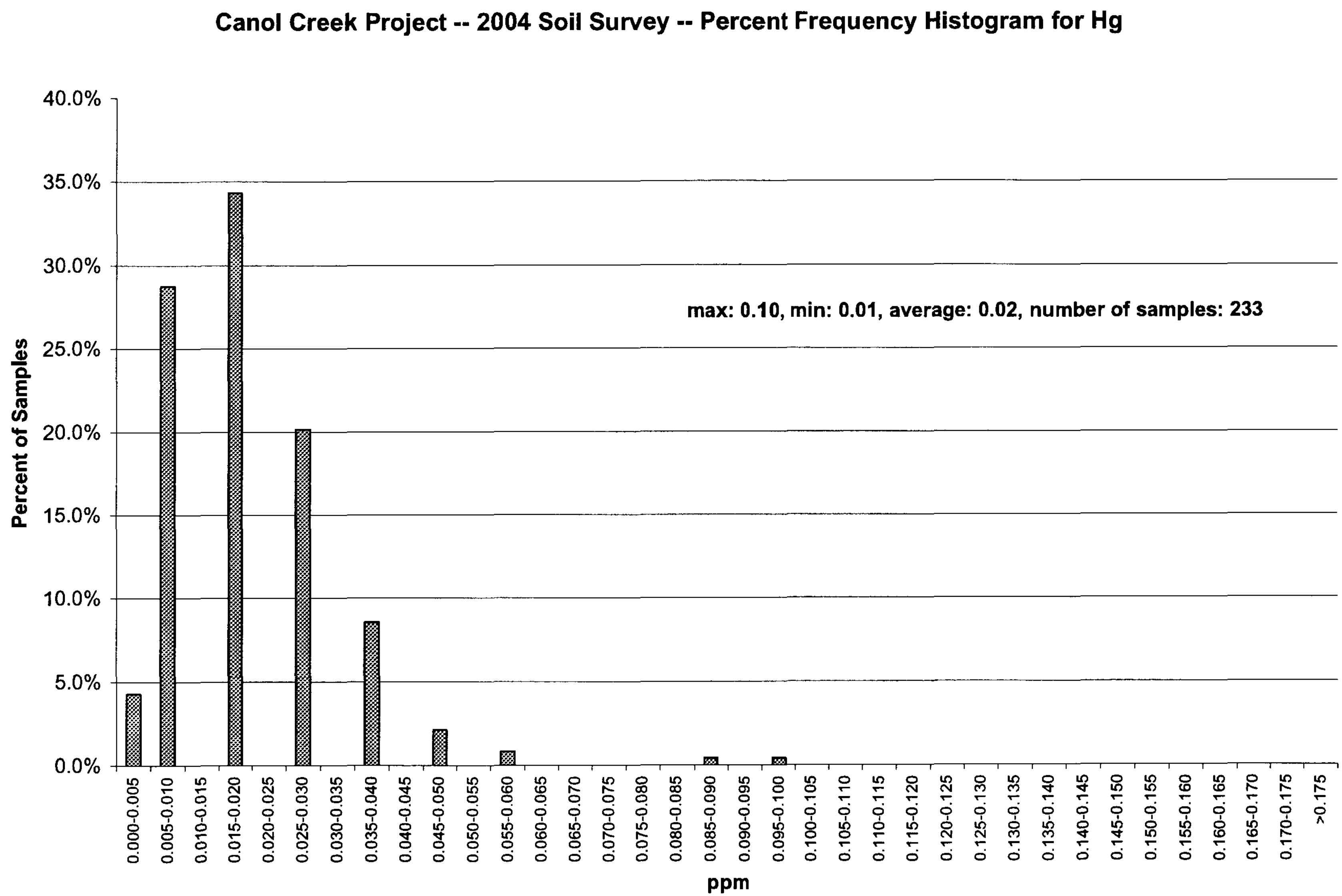
Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Cu
max: 155.20, min: 1.50, average: 28.82, number of samples: 233
Percent of Samples
14.0%
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
0-4
4-8
8-12
12-16
16-20
20-24
24-28
28-32
32-36
36-40
40-44
44-48
48-52
52-56
56-60
60-64
64-68
68-72
72-76
76-80
80-84
84-88
88-92
92-96
96-100
100-104
104-108
108-112
112-116
116-120
120-124
124-128
128-132
132-136
136-140
>140
ppm



Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Fe
max: 5.94, min: 0.31, average: 2.05, number of samples: 233
Percent of Samples
16.0%
14.0%
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
0.0-0.2
0.2-0.4
0.4-0.6
0.6-0.8
0.8-1.0
1.0-1.2
1.2-1.4
1.4-1.6
1.6-1.8
1.8-2.0
2.0-2.2
2.2-2.4
2.4-2.6
2.6-2.8
2.8-3.0
3.0-3.2
3.2-3.4
3.4-3.6
3.6-3.8
3.8-4.0
4.0-4.2
4.2-4.4
4.4-4.6
4.6-4.8
4.8-5.0
5.0-5.2
5.2-5.4
5.4-5.6
5.6-5.8
5.8-6.0
6.0-6.2
6.2-6.4
6.4-6.6
6.6-6.8
6.8-7.0
>7.0
%

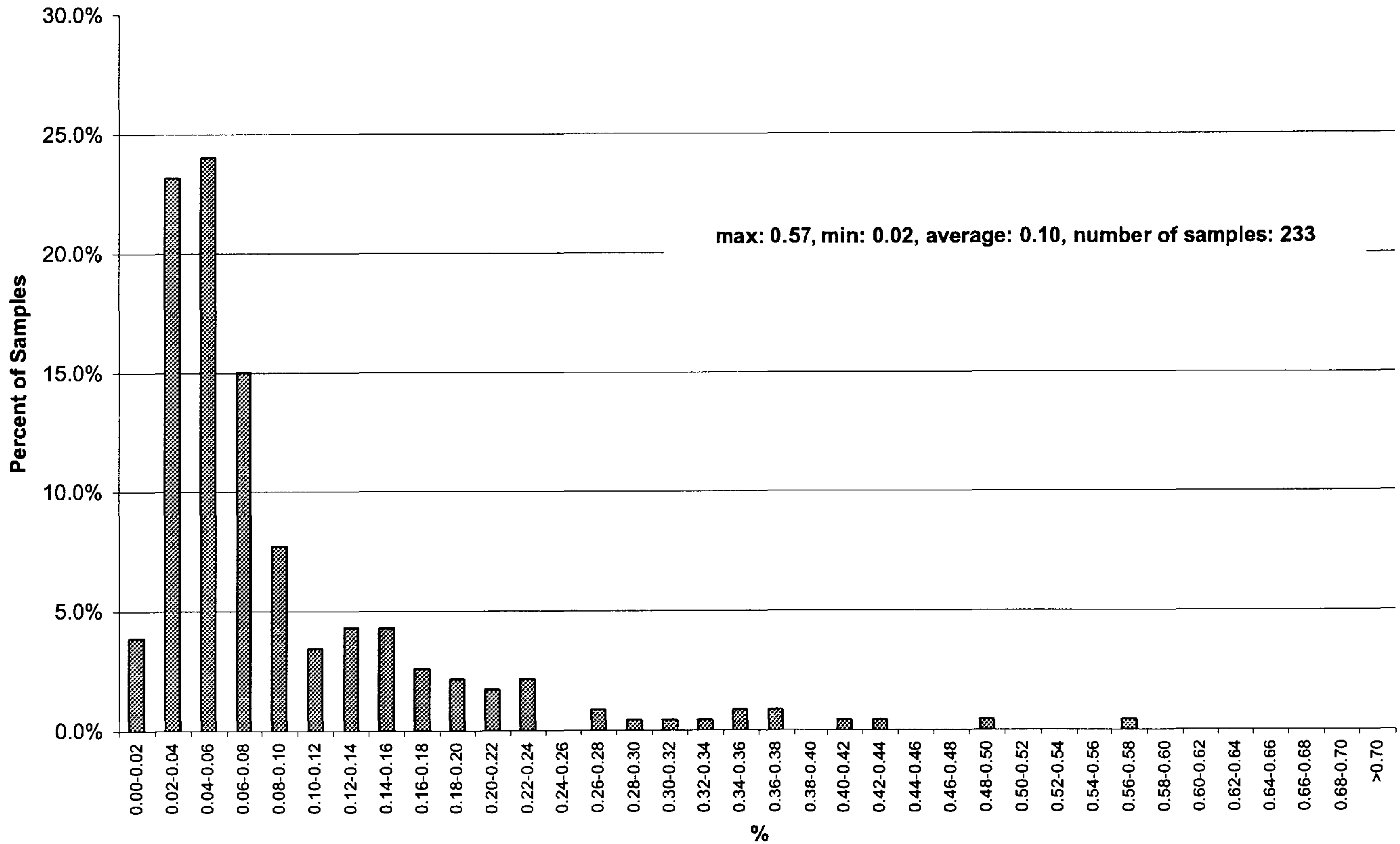
Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Ga

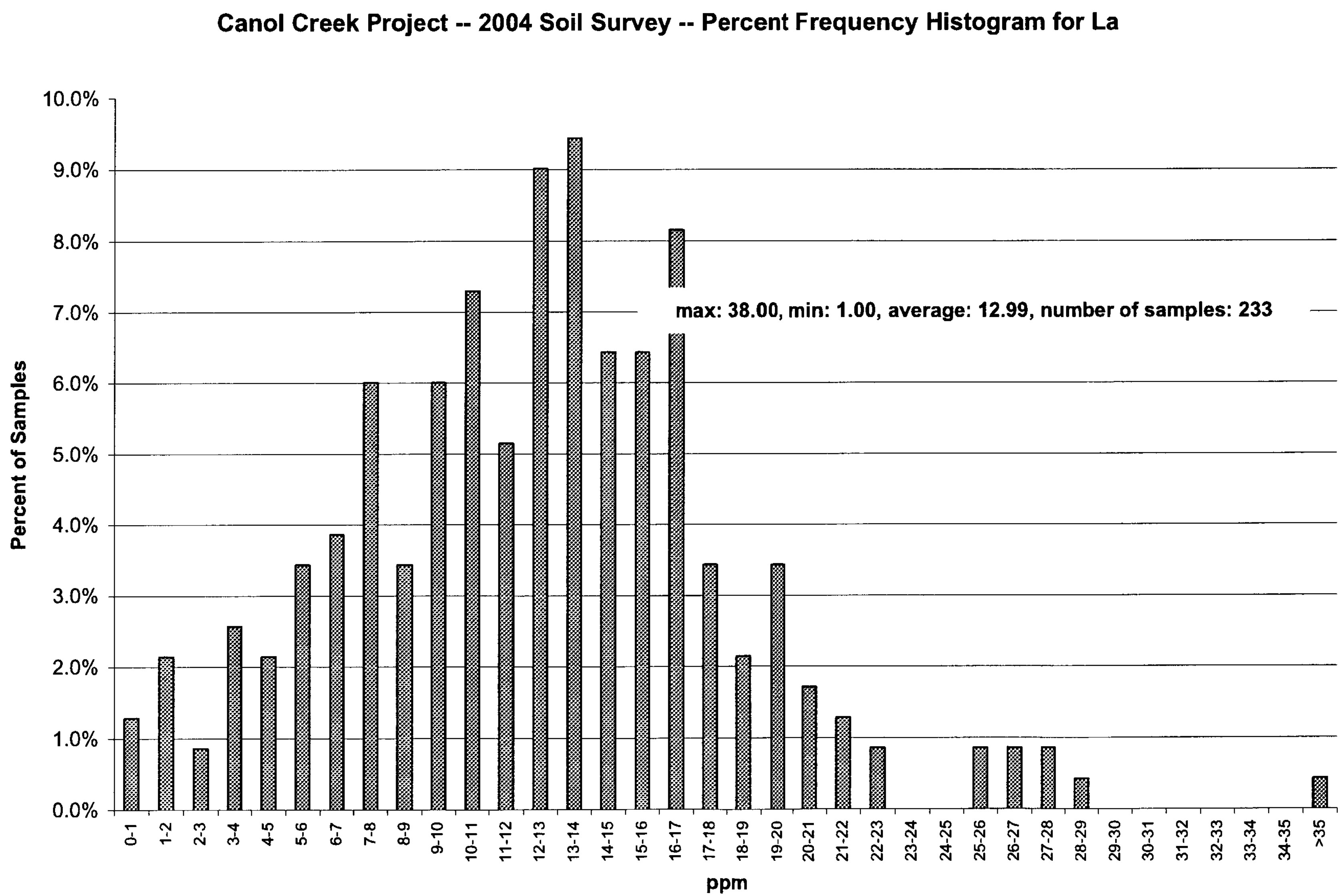




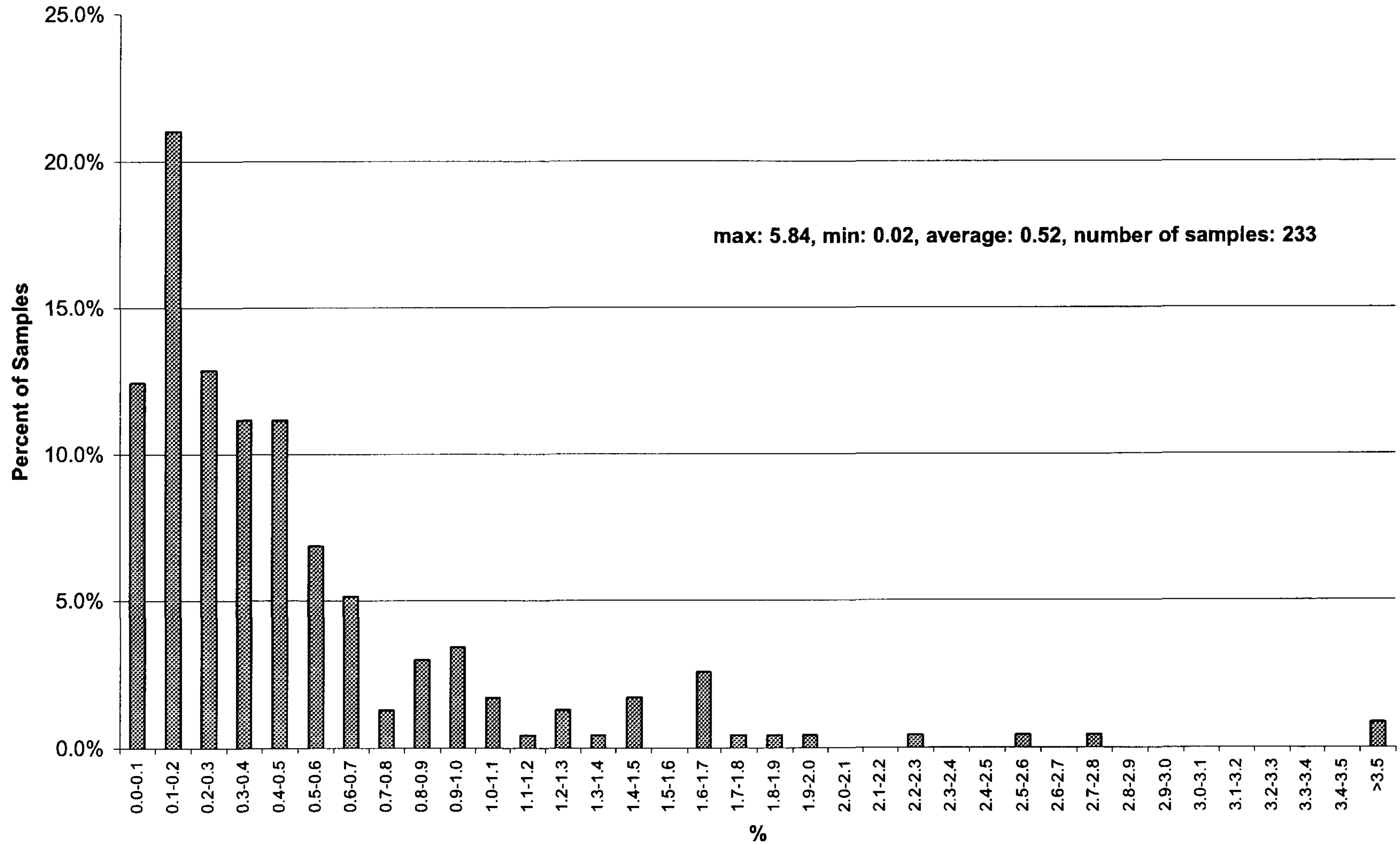
Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Hg
max: 0.10, min: 0.01, average: 0.02, number of samples: 233
Percent of Samples
40.0%
35.0%
30.0%
25.0%
20.0%
15.0%
10.0%
5.0%
0.0%
0.000-0.005
0.005-0.010
0.010-0.015
0.015-0.020
0.020-0.025
0.025-0.030
0.030-0.035
0.035-0.040
0.040-0.045
0.045-0.050
0.050-0.055
0.055-0.060
0.060-0.065
0.065-0.070
0.070-0.075
0.075-0.080
0.080-0.085
0.085-0.090
0.090-0.095
0.095-0.100
0.100-0.105
0.105-0.110
0.110-0.115
0.115-0.120
0.120-0.125
0.125-0.130
0.130-0.135
0.135-0.140
0.140-0.145
0.145-0.150
0.150-0.155
0.155-0.160
0.160-0.165
0.165-0.170
0.170-0.175
>0.175
ppm

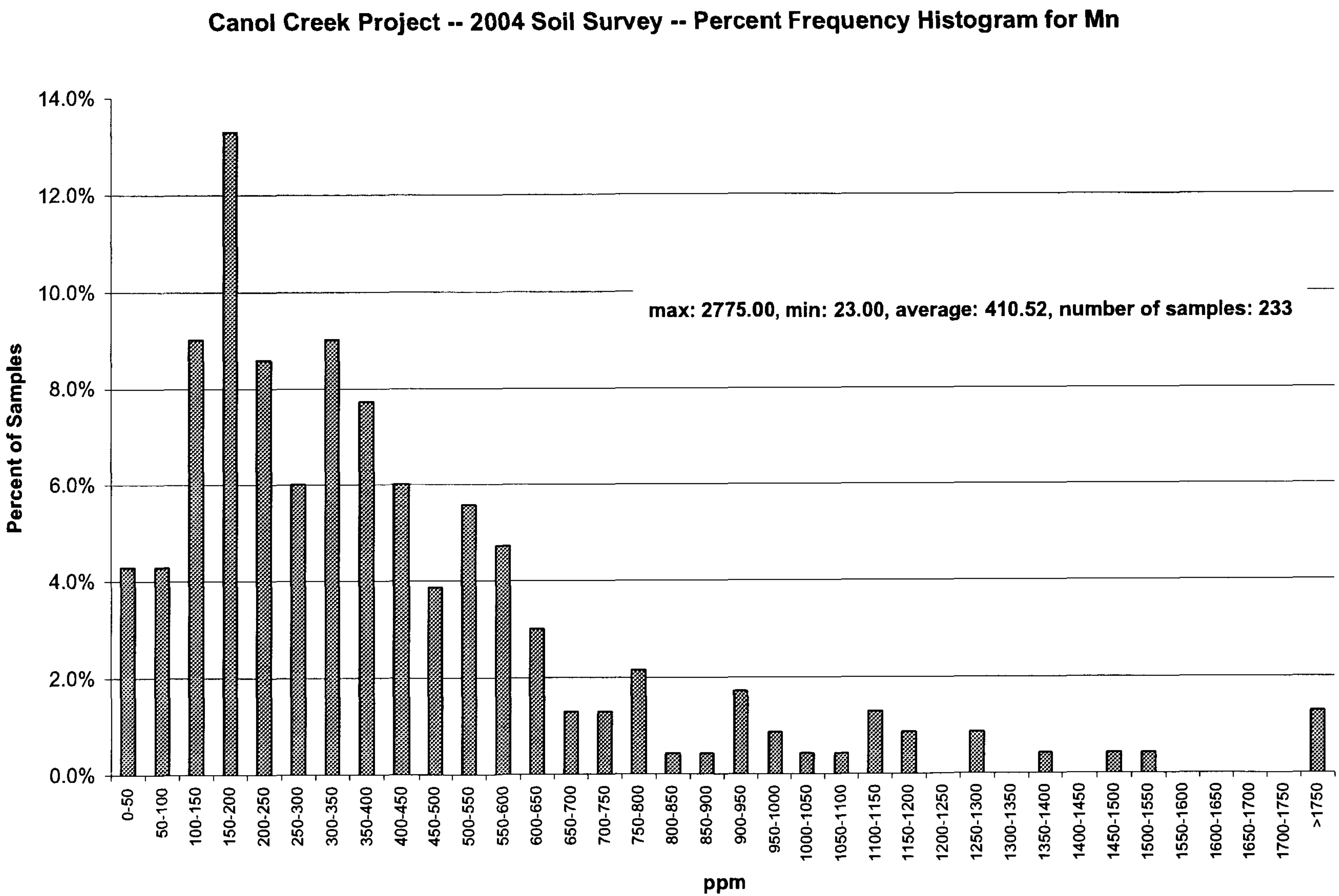
Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for K



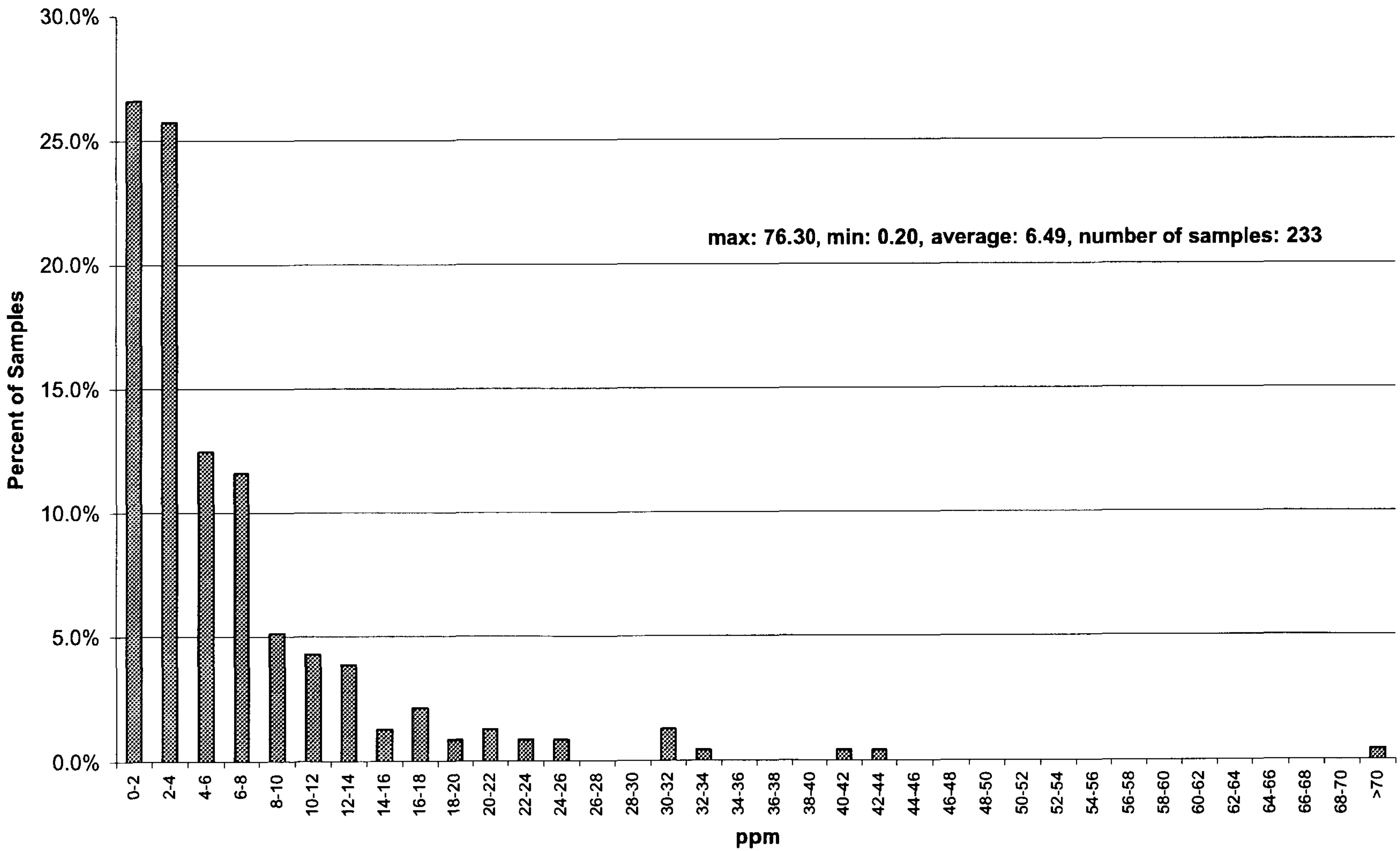

Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for La
max: 38.00, min: 1.00, average: 12.99, number of samples: 233
Percent of Samples
10.0%
9.0%
8.0%
7.0%
6.0%
5.0%
4.0%
3.0%
2.0%
1.0%
0.0%
0-1
1-2
2-3
3-4
4-5
5-6
6-7
7-8
8-9
9-10
10-11
11-12
12-13
13-14
14-15
15-16
16-17
17-18
18-19
19-20
20-21
21-22
22-23
23-24
24-25
25-26
26-27
27-28
28-29
29-30
30-31
31-32
32-33
33-34
34-35
>35
ppm

Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Mg

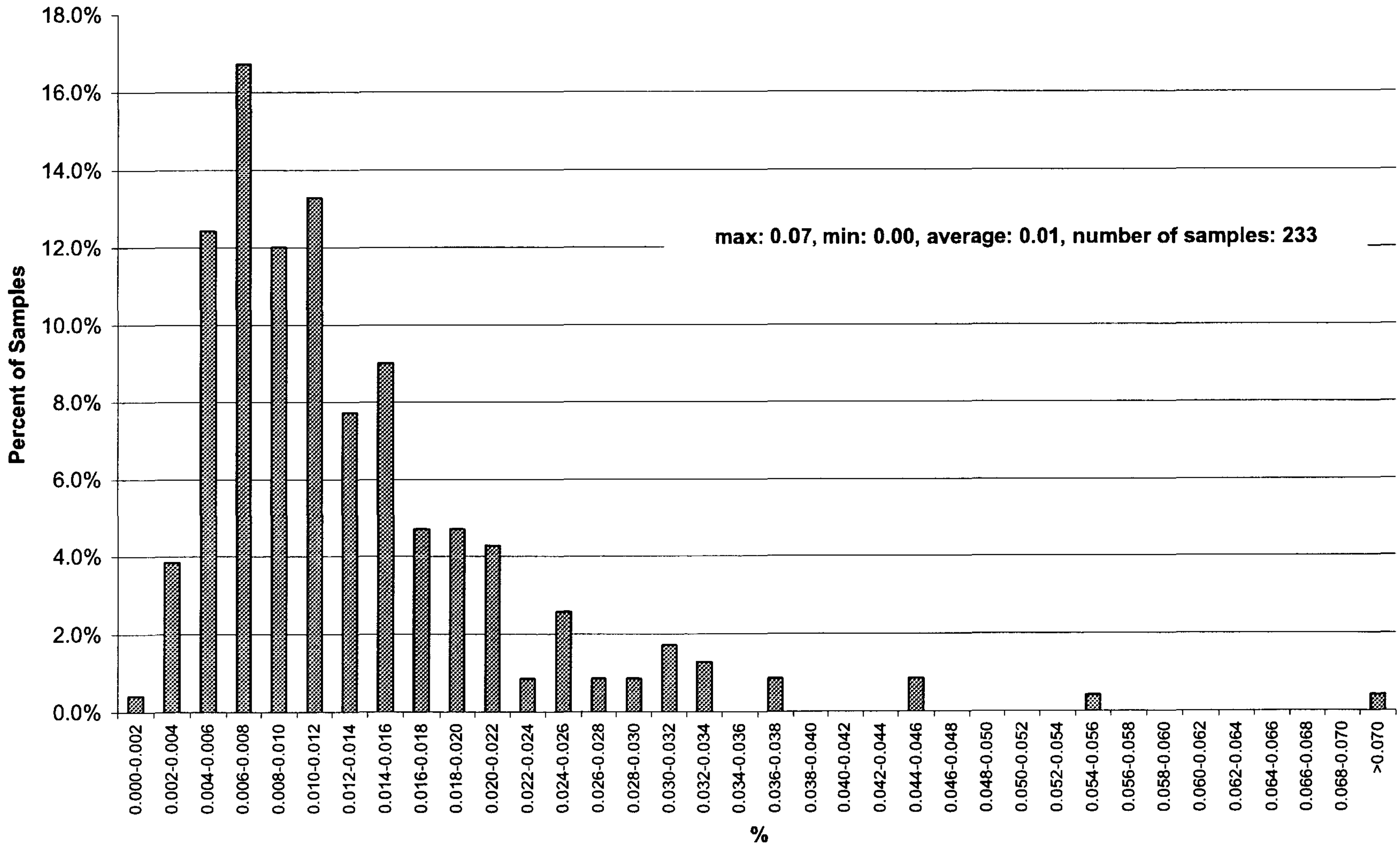


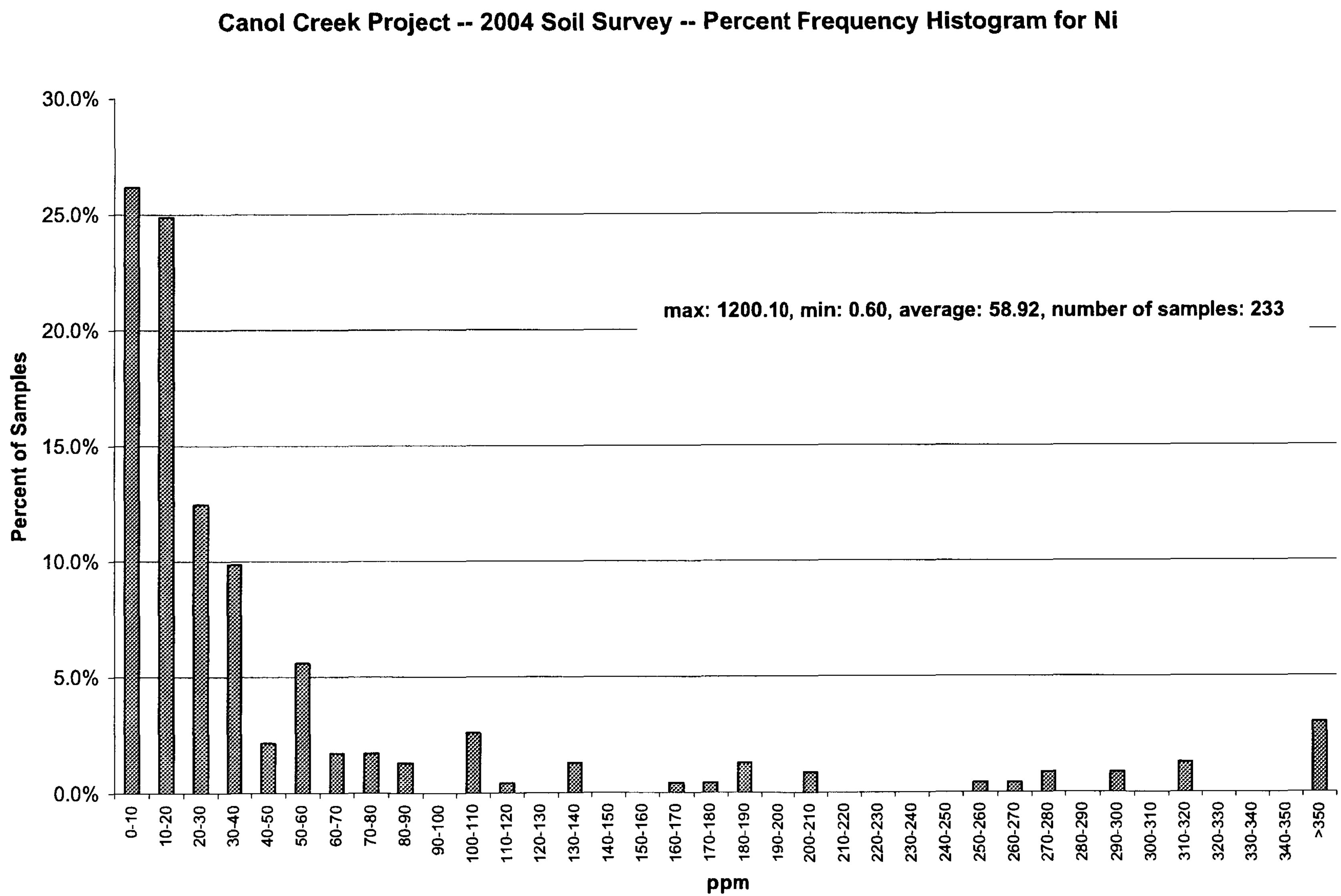

Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Mn
max: 2775.00, min: 23.00, average: 410.52, number of samples: 233
Percent of Samples
14.0%
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
0-50
50-100
100-150
150-200
200-250
250-300
300-350
350-400
400-450
450-500
500-550
550-600
600-650
650-700
700-750
750-800
800-850
850-900
900-950
950-1000
1000-1050
1050-1100
1100-1150
1150-1200
1200-1250
1250-1300
1300-1350
1350-1400
1400-1450
1450-1500
1500-1550
1550-1600
1600-1650
1650-1700
1700-1750
>1750
ppm

Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Mo

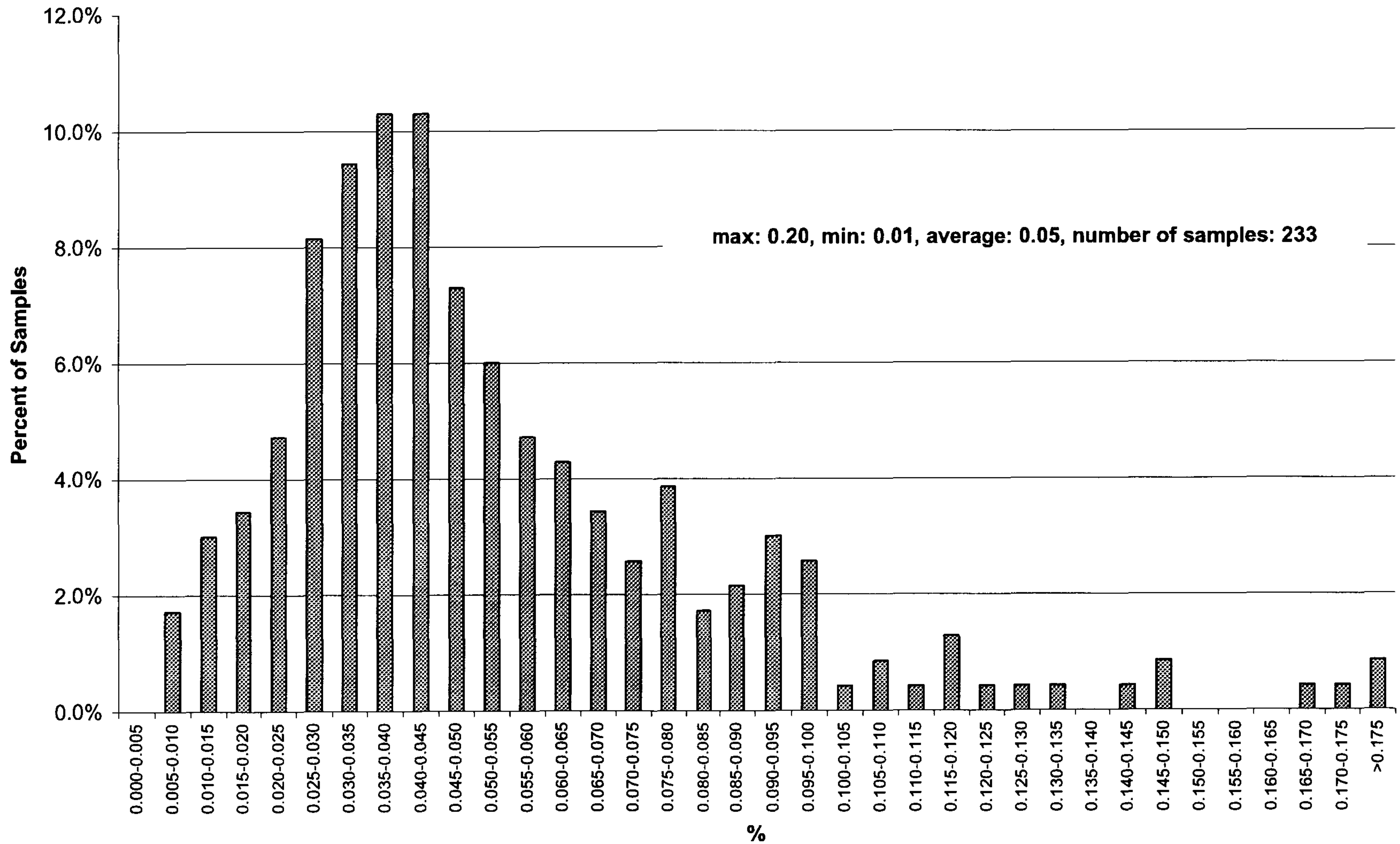


Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Na

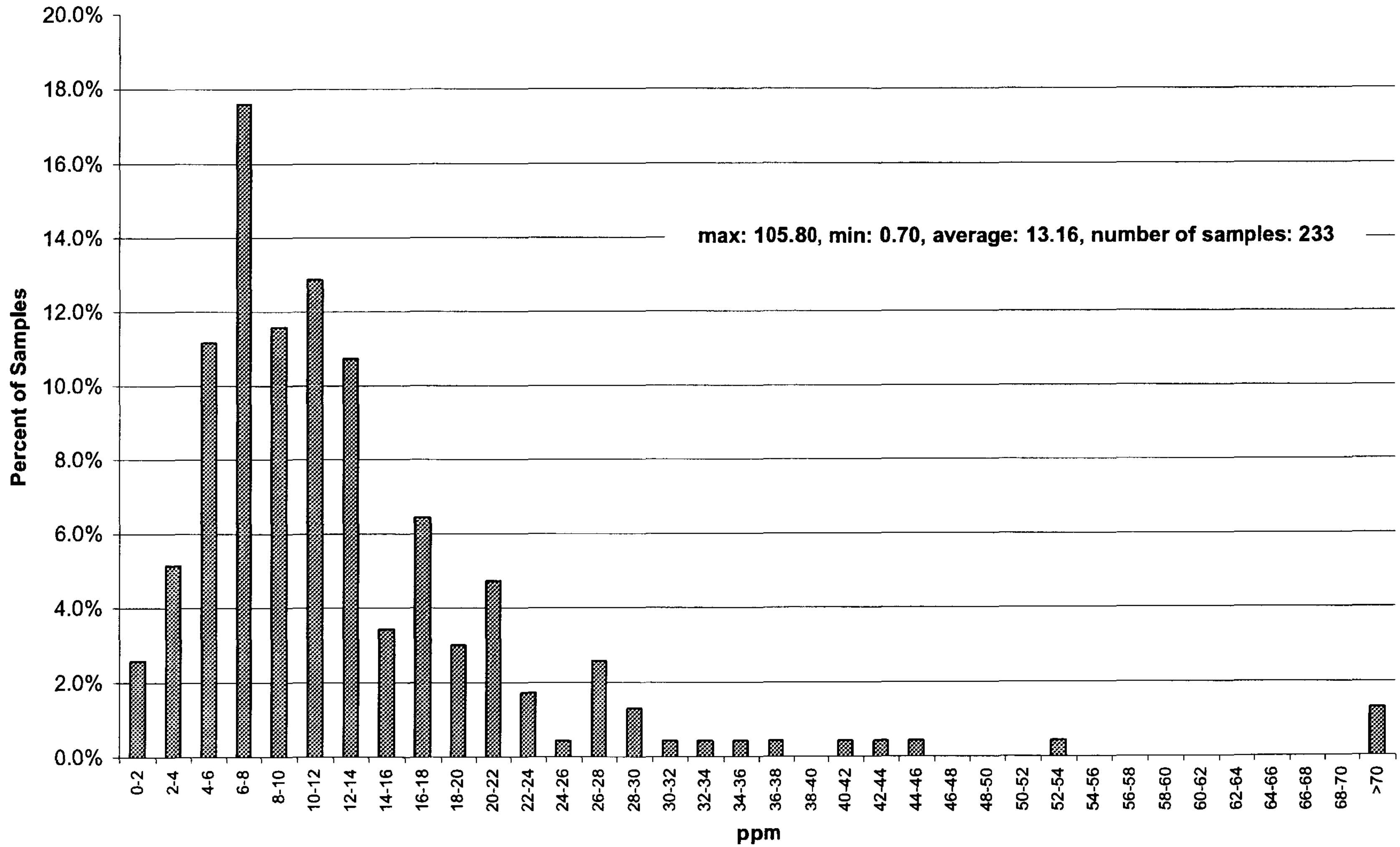



Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Ni
max: 1200.10, min: 0.60, average: 58.92, number of samples: 233
Percent of Samples
30.0%
25.0%
20.0%
15.0%
10.0%
5.0%
0.0%
0-10
10-20
20-30
30-40
40-50
50-60
60-70
70-80
80-90
90-100
100-110
110-120
120-130
130-140
140-150
150-160
160-170
170-180
180-190
190-200
200-210
210-220
220-230
230-240
240-250
250-260
260-270
270-280
280-290
290-300
300-310
310-320
320-330
330-340
340-350
>350
ppm

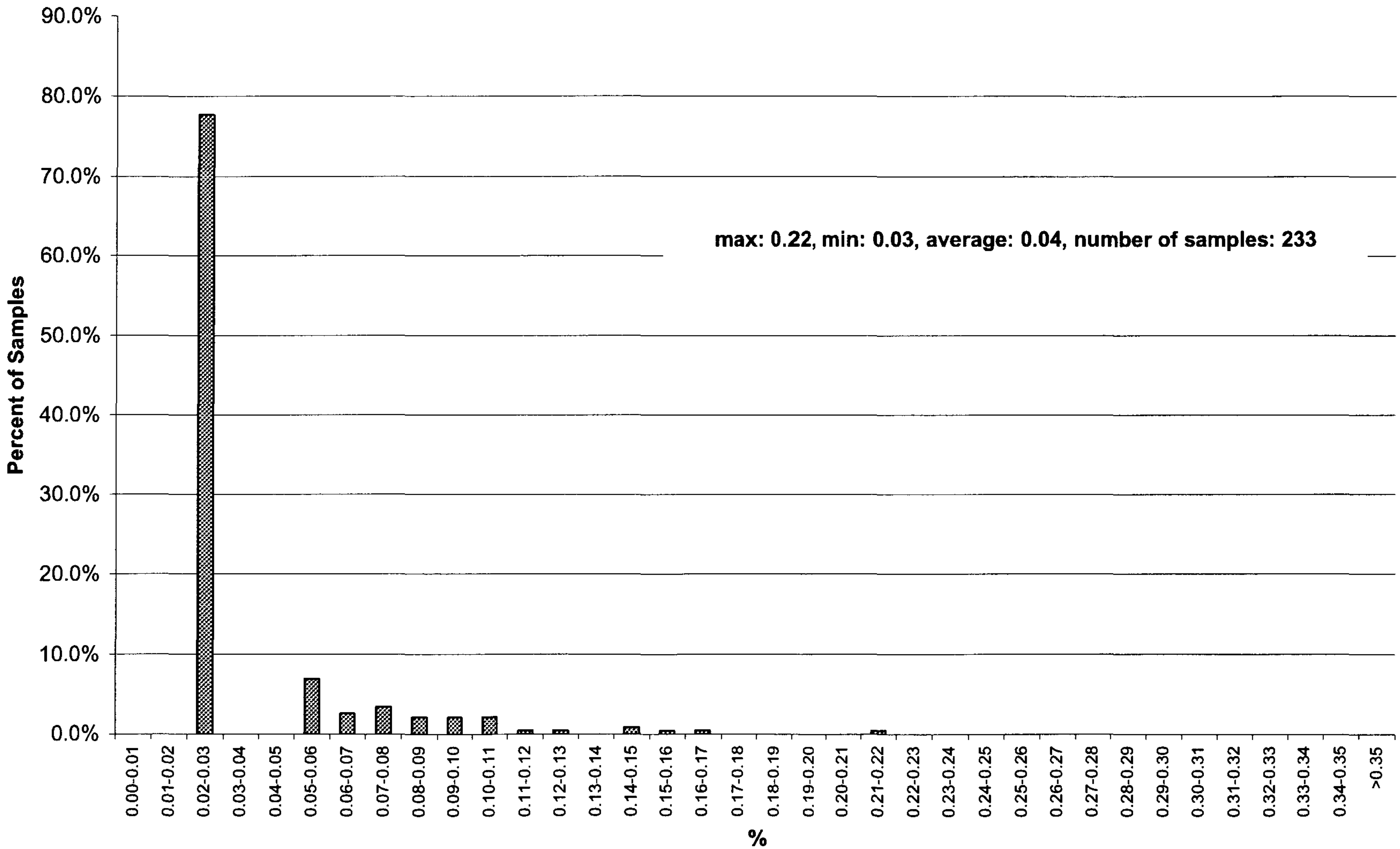
Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for P



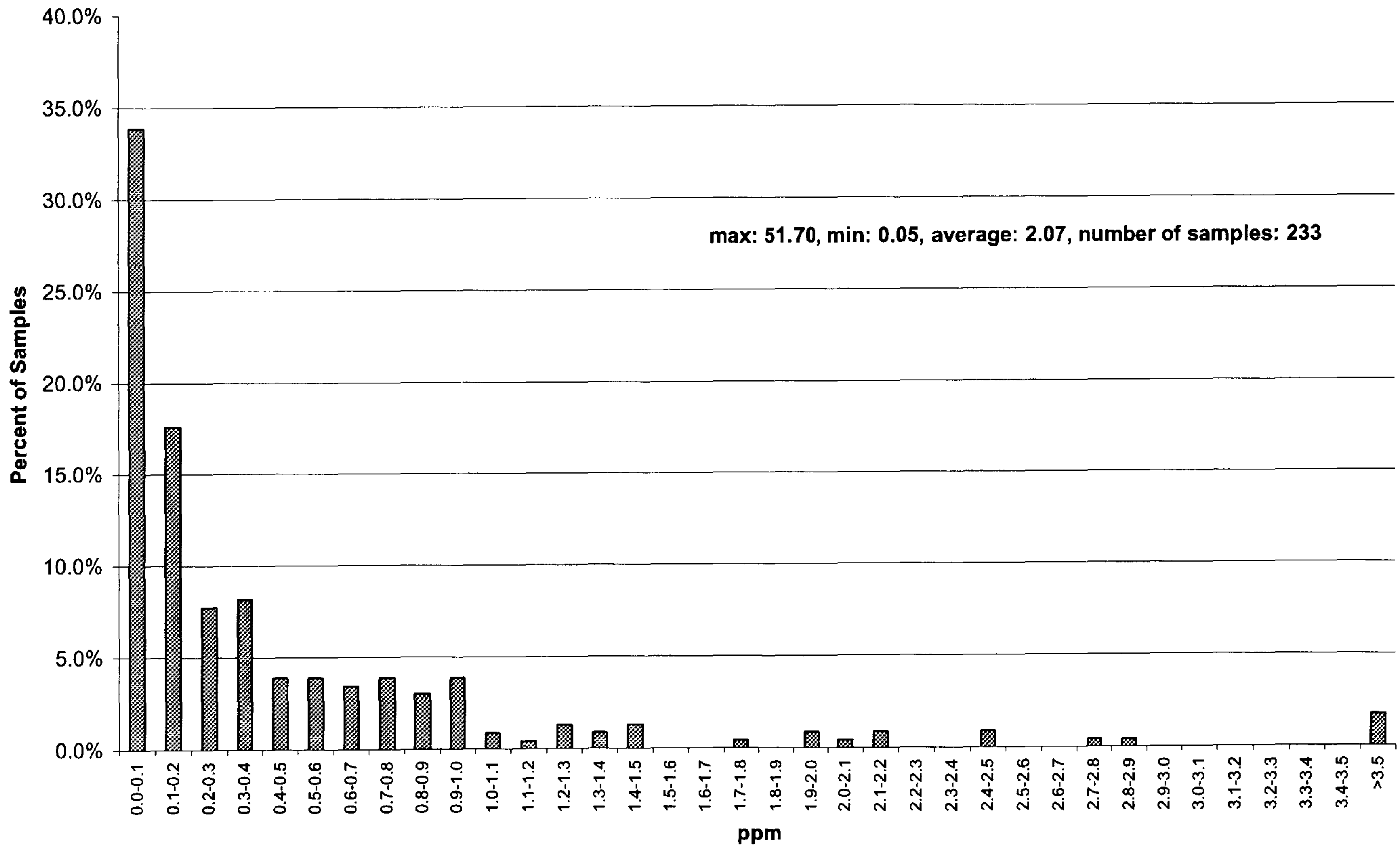
Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Pb



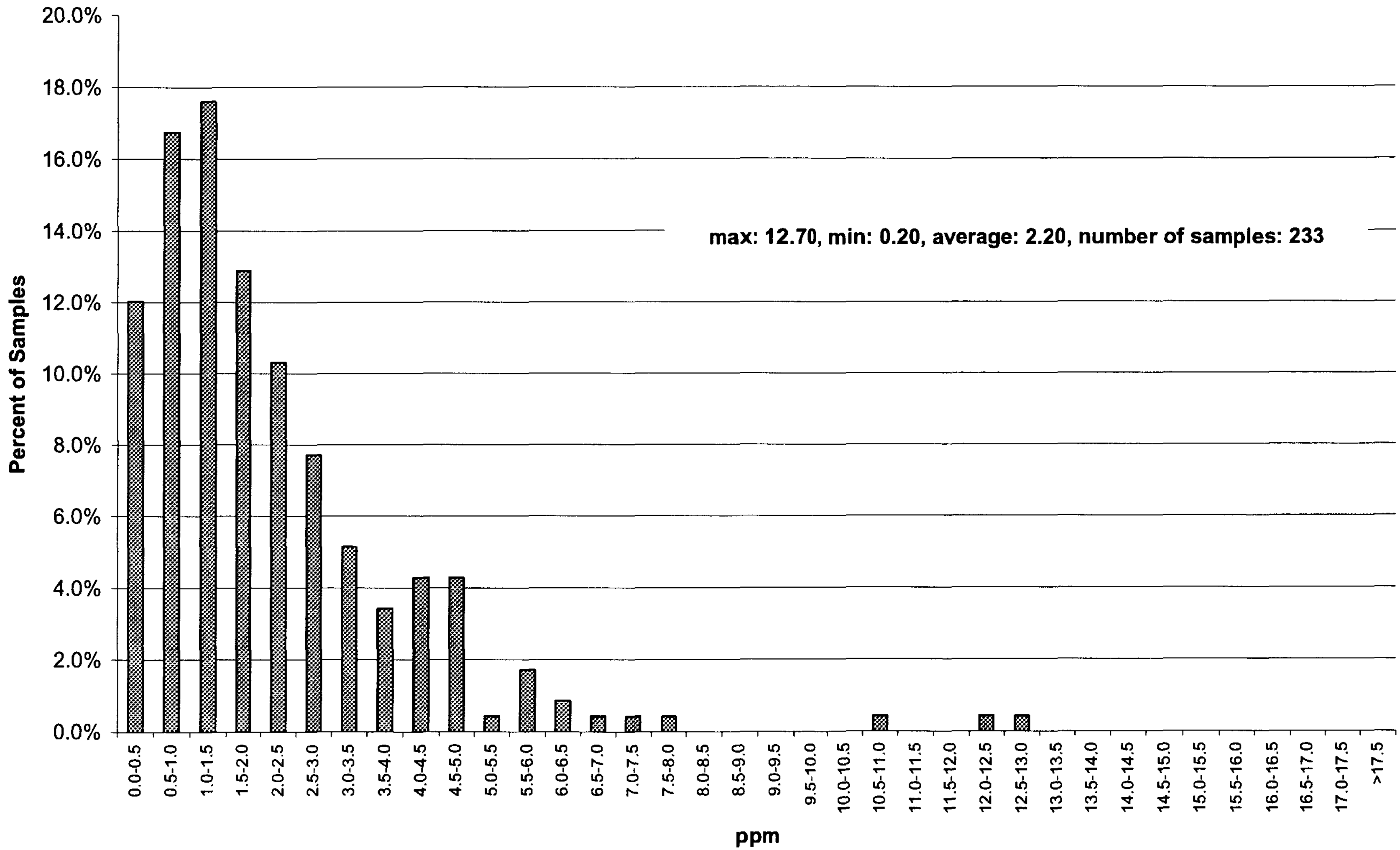
Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for S

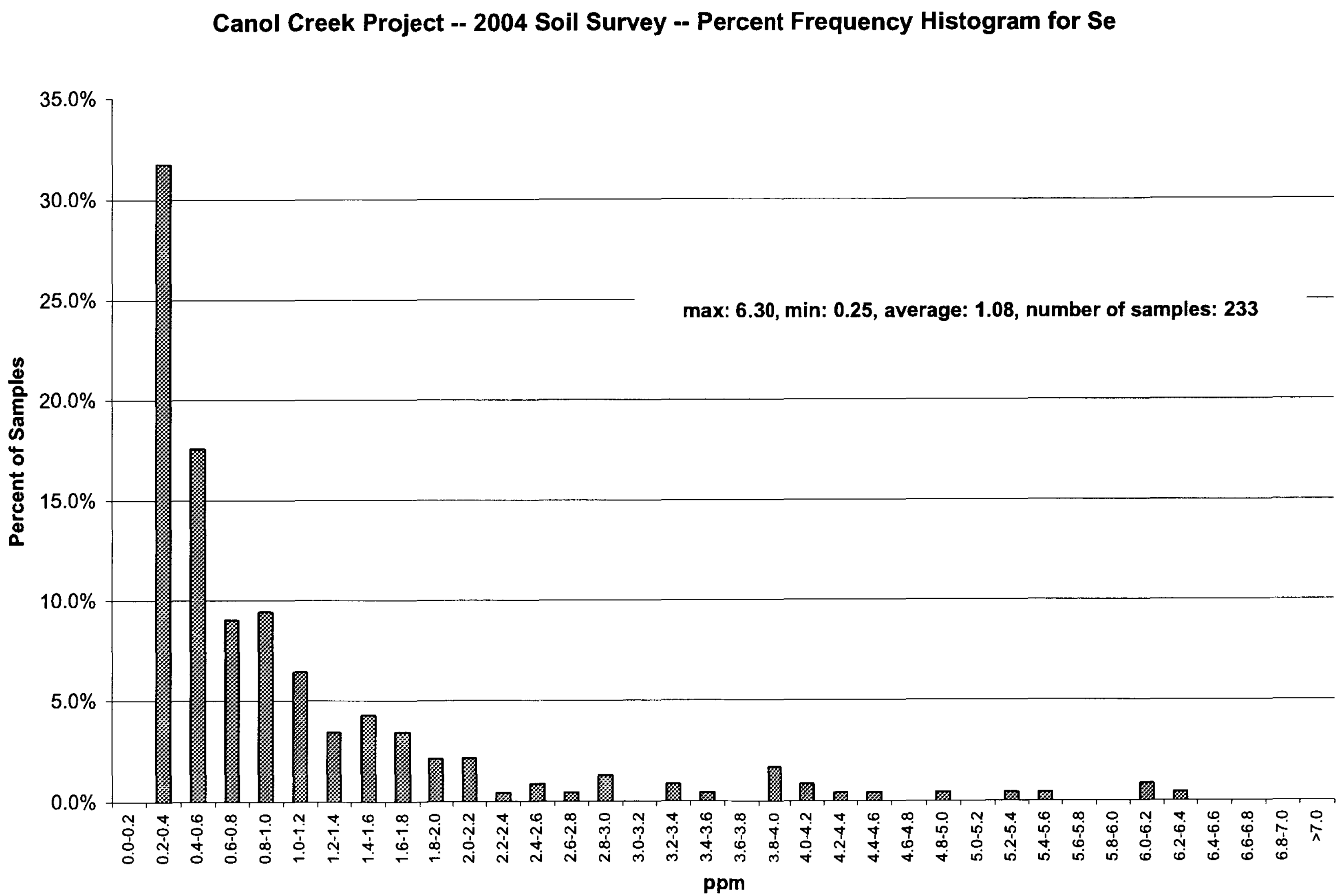


Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Sb

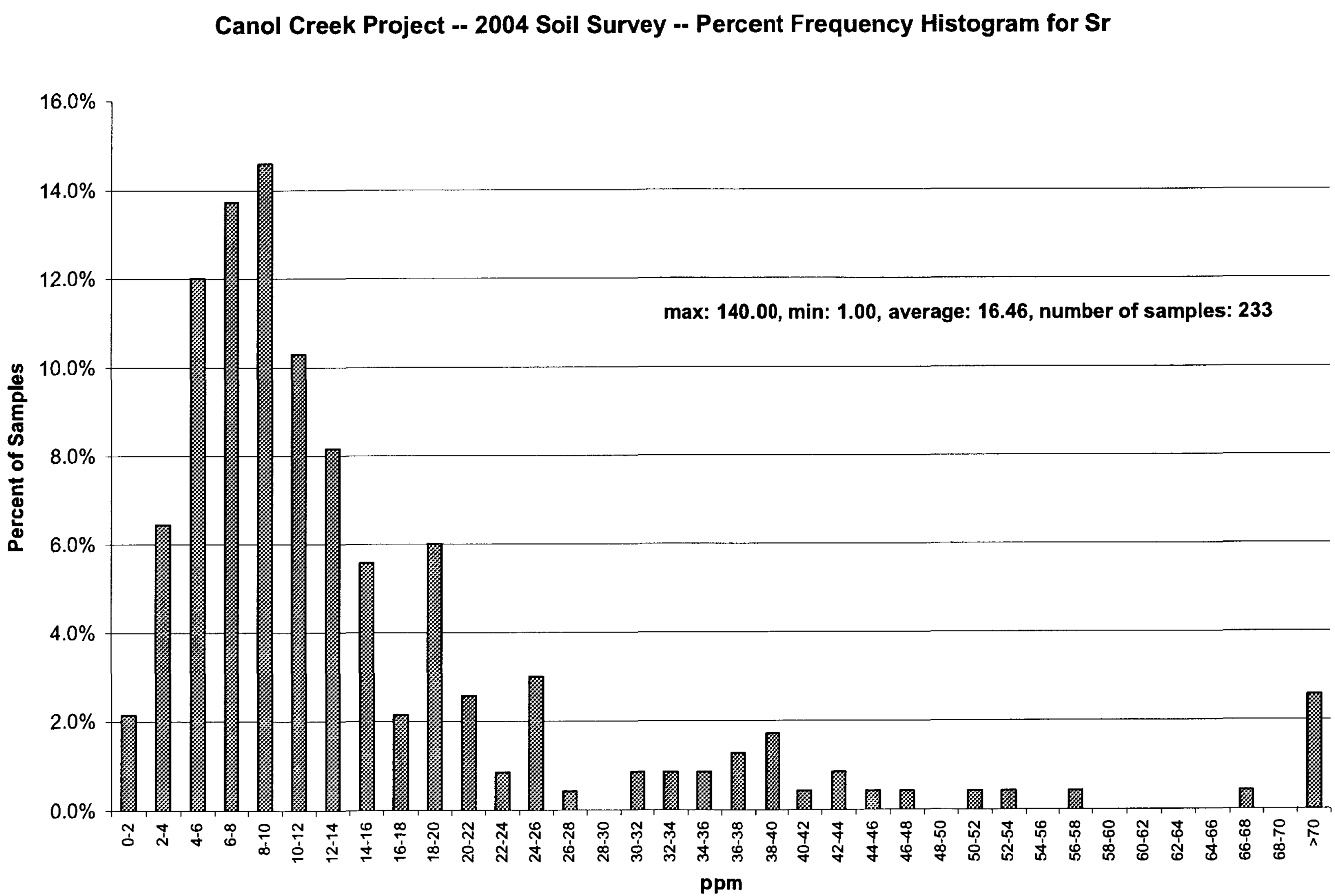


Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Sc

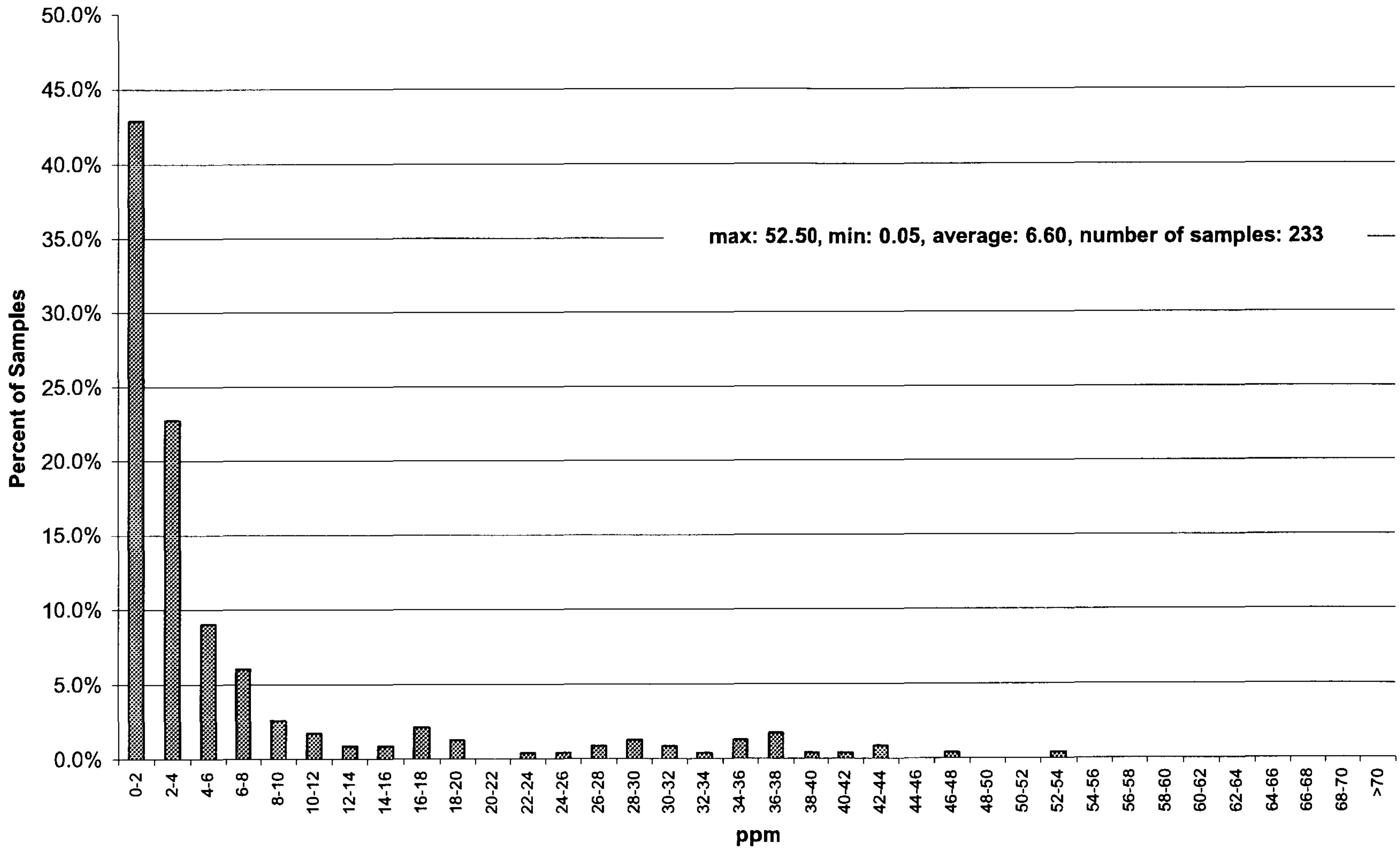




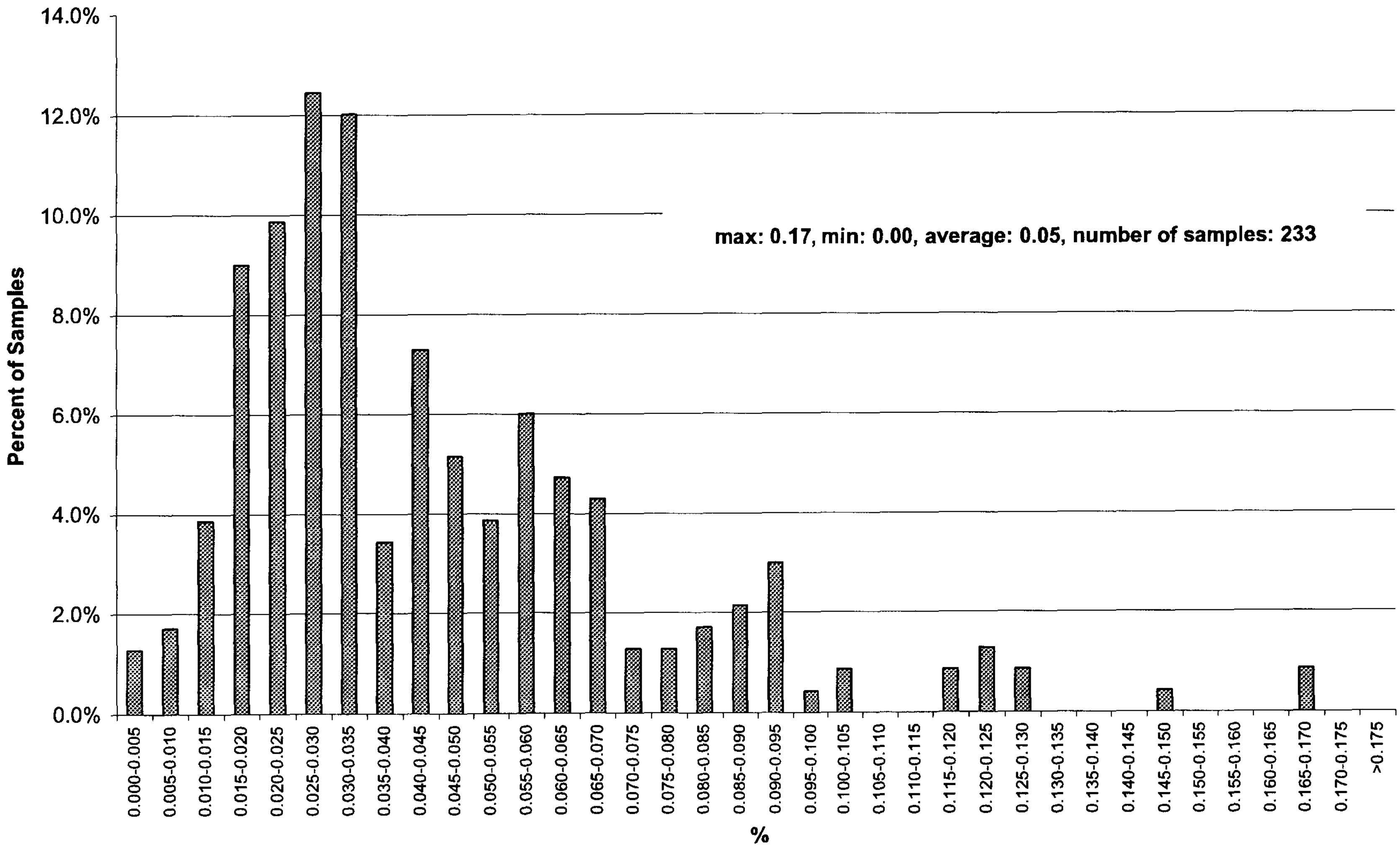
Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Se
max: 6.30, min: 0.25, average: 1.08, number of samples: 233
Percent of Samples
35.0%
30.0%
25.0%
20.0%
15.0%
10.0%
5.0%
0.0%
0.0-0.2
0.2-0.4
0.4-0.6
0.6-0.8
0.8-1.0
1.0-1.2
1.2-1.4
1.4-1.6
1.6-1.8
1.8-2.0
2.0-2.2
2.2-2.4
2.4-2.6
2.6-2.8
2.8-3.0
3.0-3.2
3.2-3.4
3.4-3.6
3.6-3.8
3.8-4.0
4.0-4.2
4.2-4.4
4.4-4.6
4.6-4.8
4.8-5.0
5.0-5.2
5.2-5.4
5.4-5.6
5.6-5.8
5.8-6.0
6.0-6.2
6.2-6.4
6.4-6.6
6.6-6.8
6.8-7.0
>7.0
ppm


Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Sr
max: 140.00, min: 1.00, average: 16.46, number of samples: 233
Percent of Samples
16.0%
14.0%
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
0-2
2-4
4-6
6-8
8-10
10-12
12-14
14-16
16-18
18-20
20-22
22-24
24-26
26-28
28-30
30-32
32-34
34-36
36-38
38-40
40-42
42-44
44-46
46-48
48-50
50-52
52-54
54-56
56-58
58-60
60-62
62-64
64-66
66-68
68-70
>70
ppm

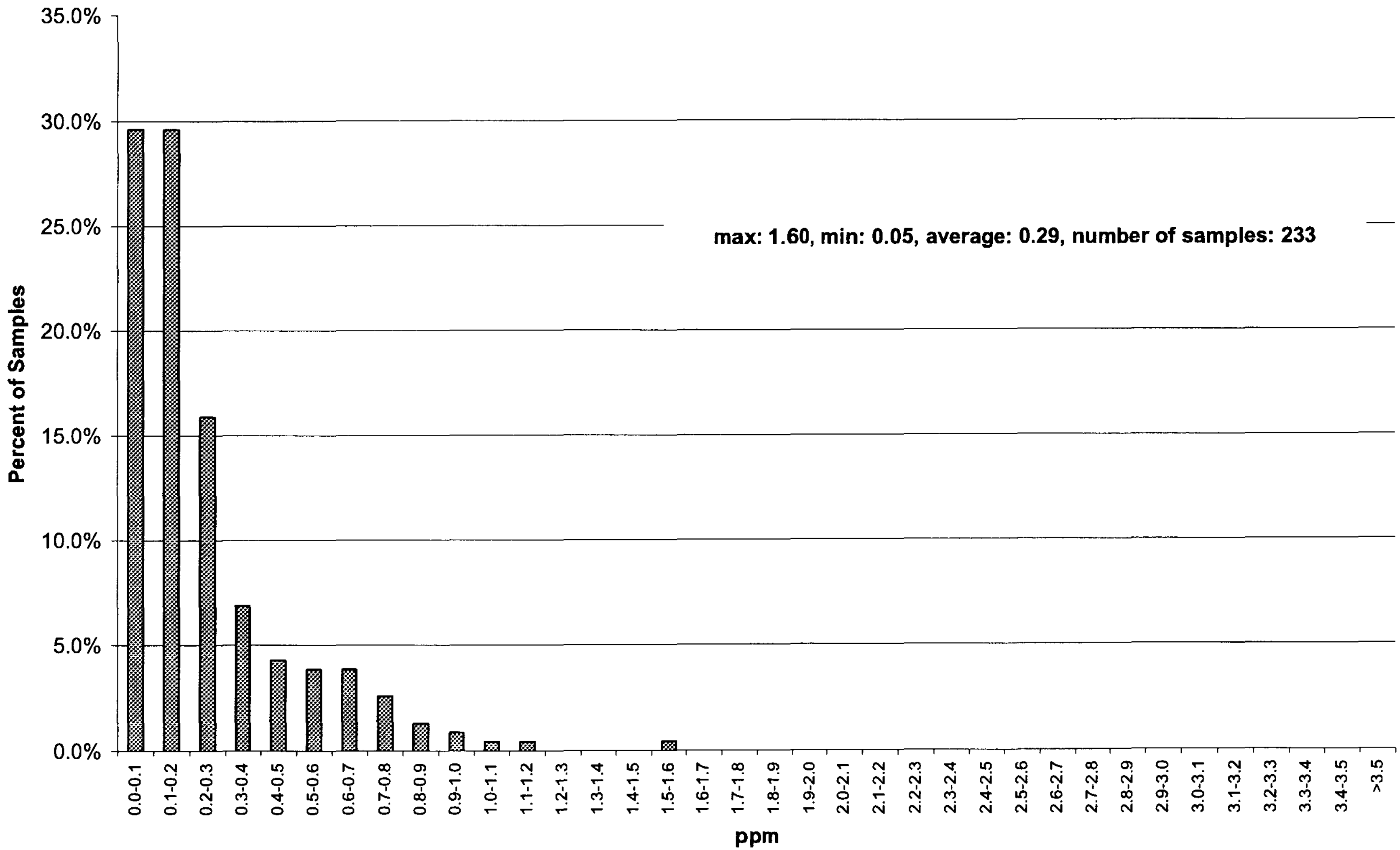
Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Th

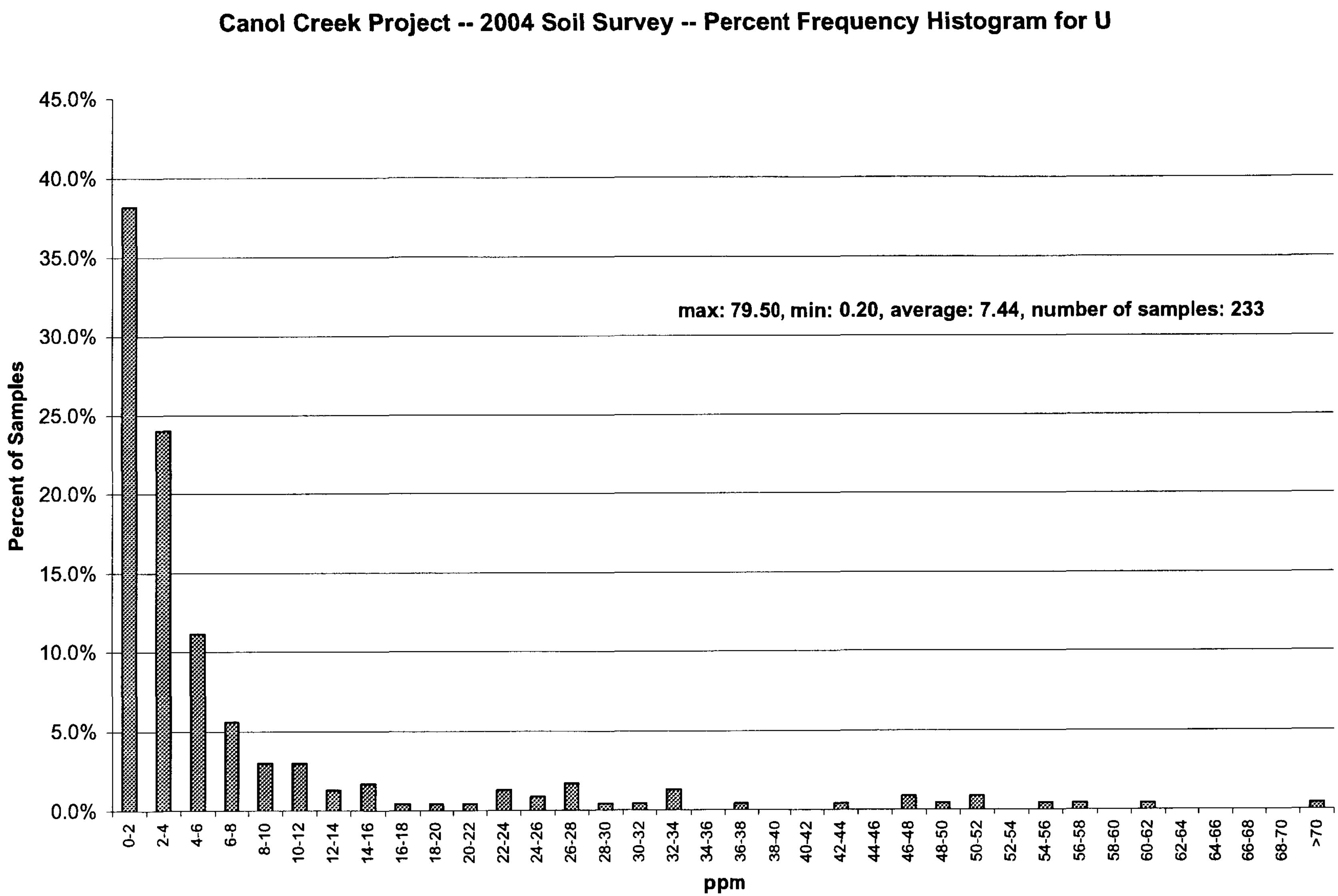


Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Ti

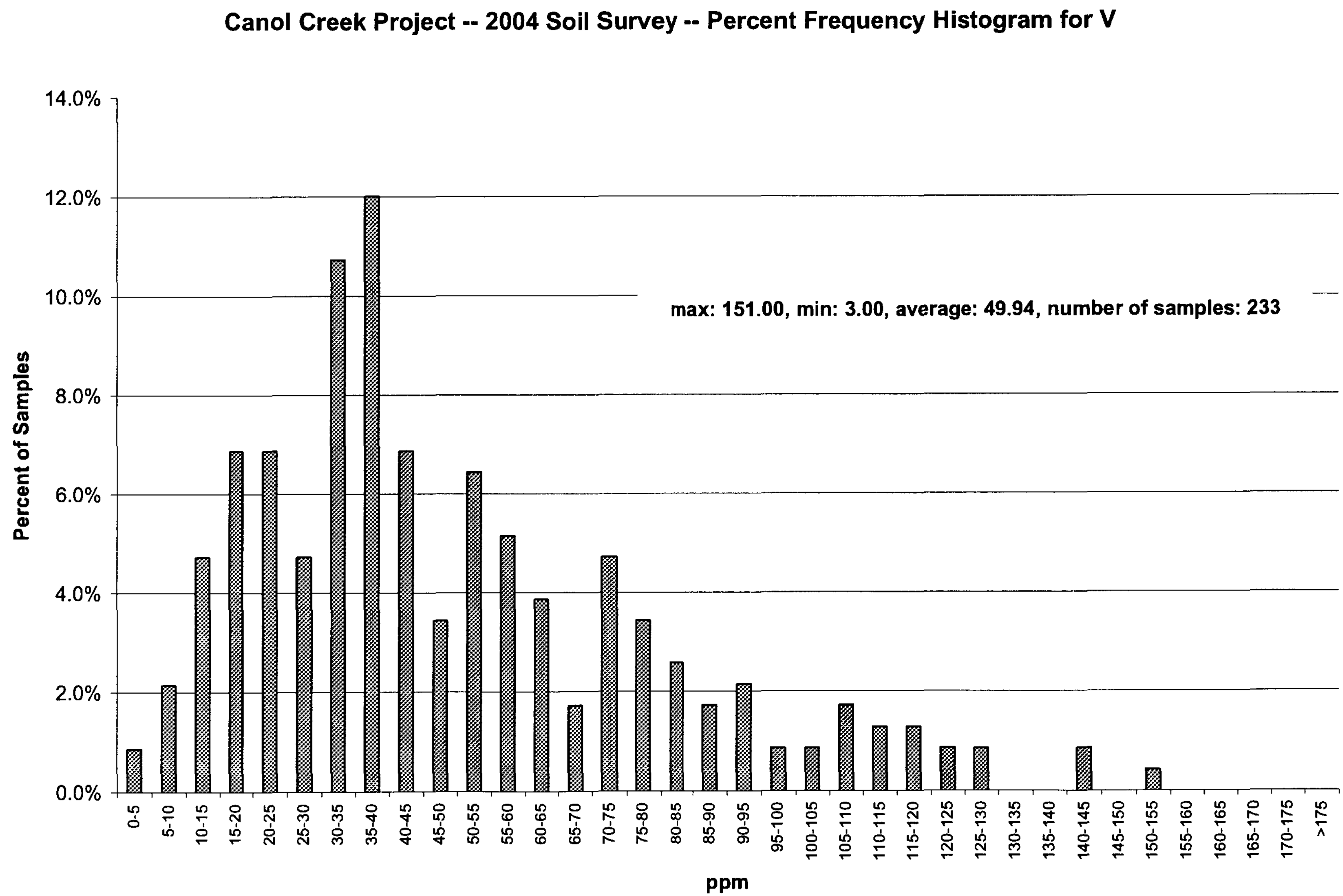


Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Tl

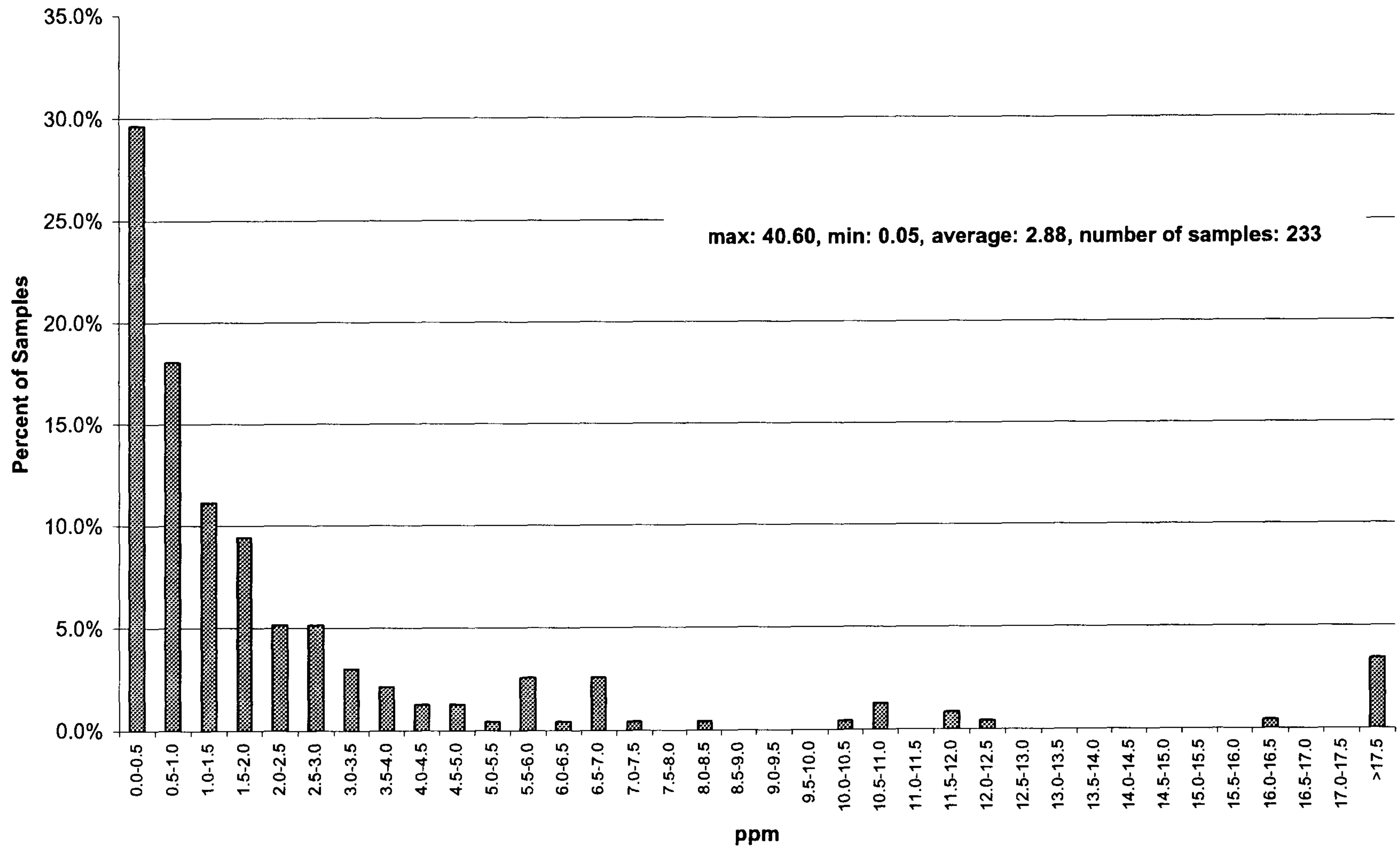


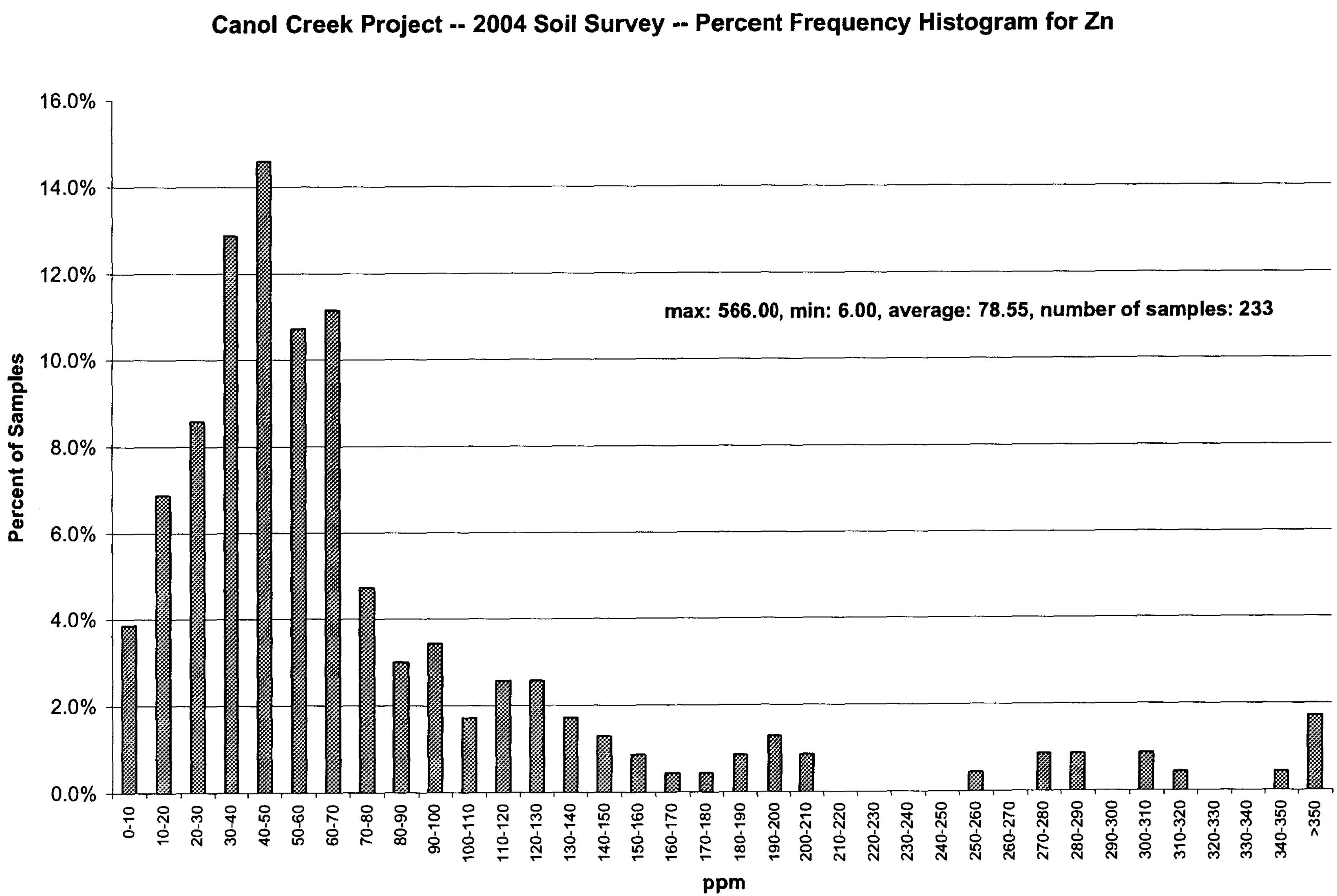


Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for U
max: 79.50, min: 0.20, average: 7.44, number of samples: 233
Percent of Samples
45.0%
40.0%
35.0%
30.0%
25.0%
20.0%
15.0%
10.0%
5.0%
0.0%
0-2
2-4
4-6
6-8
8-10
10-12
12-14
14-16
16-18
18-20
20-22
22-24
24-26
26-28
28-30
30-32
32-34
34-36
36-38
38-40
40-42
42-44
44-46
46-48
48-50
50-52
52-54
54-56
56-58
58-60
60-62
62-64
64-66
66-68
68-70
>70
ppm


Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for V
max: 151.00, min: 3.00, average: 49.94, number of samples: 233
Percent of Samples
14.0%
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
0-5
5-10
10-15
15-20
20-25
25-30
30-35
35-40
40-45
45-50
50-55
55-60
60-65
65-70
70-75
75-80
80-85
85-90
90-95
95-100
100-105
105-110
110-115
115-120
120-125
125-130
130-135
135-140
140-145
145-150
150-155
155-160
160-165
165-170
170-175
>175
ppm

Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for W




Canol Creek Project -- 2004 Soil Survey -- Percent Frequency Histogram for Zn
max: 566.00, min: 6.00, average: 78.55, number of samples: 233
Percent of Samples
16.0%
14.0%
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
0-10
10-20
20-30
30-40
40-50
50-60
60-70
70-80
80-90
90-100
100-110
110-120
120-130
130-140
140-150
150-160
160-170
170-180
180-190
190-200
200-210
210-220
220-230
230-240
240-250
250-260
260-270
270-280
280-290
290-300
300-310
310-320
320-330
330-340
340-350
>350
ppm

APPENDIX IV

Correlation matrix for soil sample results

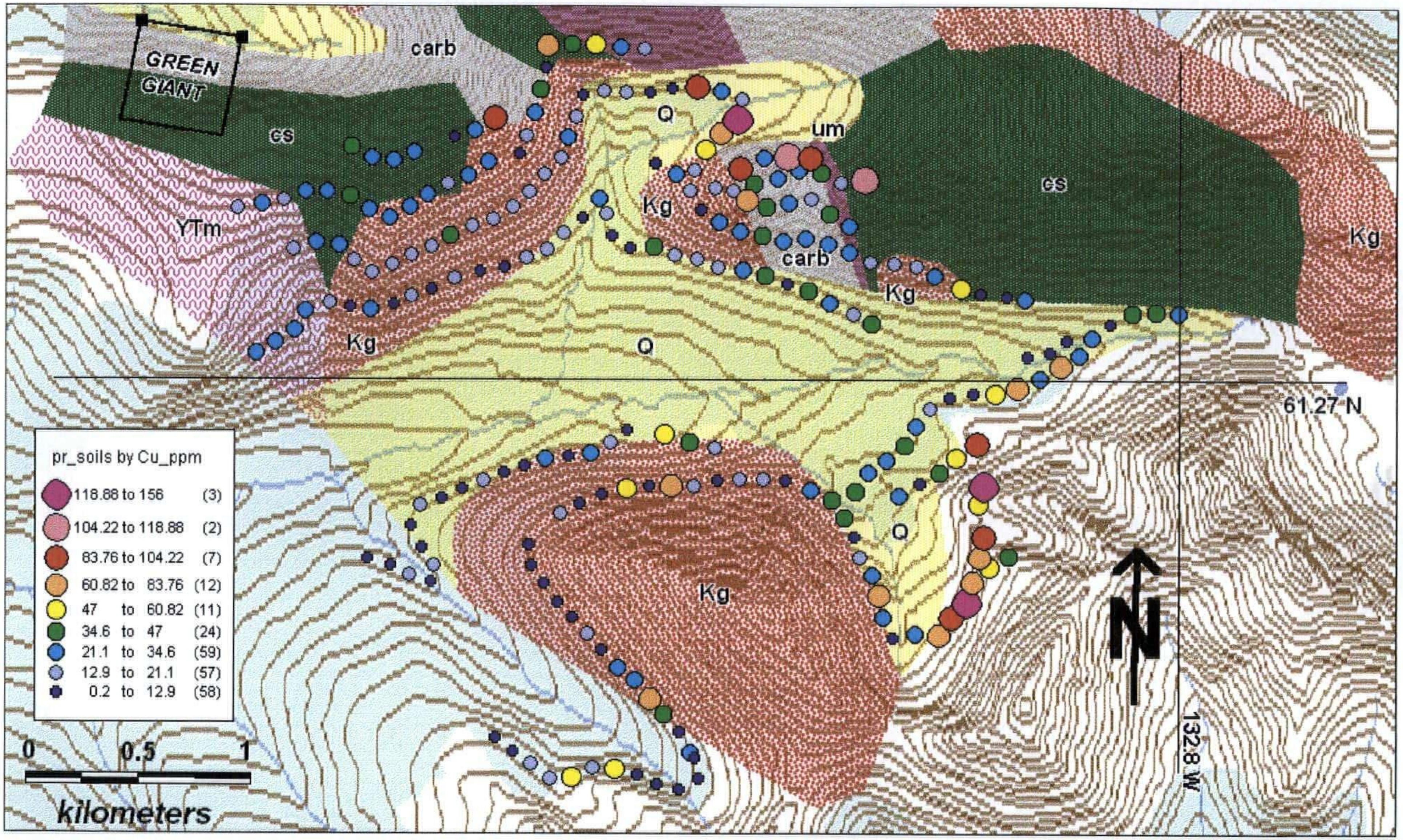
	MO_PPM	CU_PPM	PB_PPM	ZN_PPM	AG_PPM	NI_PPM	CO_PPM	MN_PPM	FE_%	AS_PPM	U_PPM	AU_PPB	TH_PPM
MO_PPM	1												
CU_PPM	0.241727	1											
PB_PPM	0.17672	0.213515	1										
ZN_PPM	0.167303	**0.706466**	0.355288	1									
AG_PPM	0.152203	0.453207	0.437355	**0.700863**	1								
NI_PPM	-0.119493	0.306721	-0.070366	0.146859	0.052575	1							
CO_PPM	-0.028525	**0.609584**	-0.003038	0.433924	0.168423	**0.818199**	1						
MN_PPM	0.138222	0.558725	0.253468	0.531564	0.277734	0.242933	0.59075	1					
FE_%	0.235984	**0.766213**	0.176119	**0.647021**	0.305835	0.365404	**0.678061**	**0.65437**	1				
AS_PPM	-0.013466	0.323696	0.306165	0.204335	0.11255	0.407691	0.42995	0.366437	0.51402	1			
U_PPM	0.387396	0.041896	0.232555	-0.130121	-0.1624	-0.165335	-0.198431	-0.027747	0.013293	0.013228	1		
AU_PPB	0.042707	0.480282	0.17191	0.411782	0.319421	0.456435	0.547633	0.291547	0.430178	0.288454	-0.121652	1	
TH_PPM	0.245497	-0.044467	0.191029	-0.083486	-0.168374	-0.133836	-0.167594	-0.00536	0.048556	0.023818	**0.688187**	-0.051113	1
SR_PPM	0.175065	**0.630403**	0.122679	**0.84451**	**0.659448**	0.12038	0.39981	0.497058	0.597772	0.114232	-0.1648	0.384198	-0.13572
CD_PPM	0.141929	0.537793	0.184971	**0.793475**	**0.751195**	0.094043	0.273213	0.423996	0.417578	0.079784	-0.141183	0.26935	-0.100704
SB_PPM	0.034143	0.198481	**0.603726**	0.228801	0.446852	0.005234	0.048396	0.177448	0.126581	0.329465	-0.042298	0.195276	-0.04689
BI_PPM	0.39311	0.172321	0.130356	-0.156854	-0.185143	-0.005006	-0.008012	-0.051742	0.084478	0.074485	0.553788	0.040244	0.447822
V_PPM	0.092008	0.521824	-0.009219	0.57704	0.350505	0.077887	0.388021	0.478946	**0.666048**	0.063655	-0.336856	0.25796	-0.309391
CA_%	0.108253	0.5653	0.082994	**0.719101**	0.472435	0.229324	0.427926	0.439591	0.56249	0.231467	-0.072241	0.31328	-0.025048
P_%	0.223252	0.504446	0.07542	**0.661319**	0.512728	0.123091	0.362655	0.50883	0.531807	0.138572	-0.125744	0.256849	-0.207825
LA_PPM	0.300043	0.189152	0.326415	0.257724	0.037265	-0.05198	0.032017	0.228384	0.30381	0.06661	0.518679	0.067577	0.530146
CR_PPM	-0.123889	0.415134	-0.100585	0.264455	0.098444	**0.815873**	**0.809198**	0.373689	0.508171	0.288128	-0.290151	0.385862	-0.25869
MG_%	-0.12922	0.447107	-0.104463	0.247149	0.035439	**0.896512**	**0.877231**	0.366959	0.540587	0.313011	-0.207487	0.468562	-0.171622
BA_PPM	-0.099983	0.564405	0.166604	0.429053	0.244966	0.344022	0.486309	0.479961	0.53636	0.374402	-0.259177	0.227064	-0.264675
TI_%	-0.093194	0.290614	-0.134078	0.168642	-0.07483	0.034338	0.253297	0.172058	0.432472	-0.002417	-0.230862	0.12614	-0.052775
B_PPM	0.04508	0.235491	0.055486	0.173754	0.084759	0.482713	0.482381	0.239824	0.31004	0.263892	-0.03666	0.286059	-0.048586
AL_%	0.154495	**0.646312**	0.081738	0.598722	0.348073	0.149163	0.441869	0.457758	**0.723685**	0.112688	-0.057223	0.303335	-0.059066
NA_%	0.003311	0.528064	-0.105923	0.48243	0.363375	0.140005	0.346588	0.294913	0.401788	0.143743	-0.191393	0.226325	-0.248458
K_%	0.140369	0.36849	0.037224	0.222145	-0.052692	-0.091579	0.17499	0.315262	0.462763	0.021919	0.20844	0.098315	0.250042
W_PPM	0.389075	0.146035	0.092242	-0.147452	-0.157809	-0.09114	-0.111892	-0.073542	0.050331	0.090282	0.566122	-0.03361	0.446321
HG_PPM	0.162798	0.243469	0.182694	0.231091	0.3594	-0.033936	0.059042	0.177619	0.252206	0.060058	0.076361	0.119218	-0.001109
SC_PPM	0.021157	**0.655879**	0.053674	0.455109	0.09637	0.333075	0.574121	0.449502	**0.725846**	0.240054	0.046505	0.33526	0.137541
TL_PPM	0.353968	0.382757	0.197769	0.106694	-0.043537	-0.092008	0.059444	0.284246	0.36915	0.114759	**0.671911**	0.100318	**0.624618**
S_%	0.063387	0.312752	-0.099786	0.226145	0.117742	0.036289	0.263902	0.32705	0.371901	0.148838	-0.160811	0.115907	-0.188616
GA_PPM	0.263466	0.327596	0.194003	0.280017	0.091647	-0.144964	0.080213	0.327161	0.512596	0.001054	0.336617	0.03862	0.311937
SE_PPM	0.289116	**0.612535**	0.167836	**0.75413**	**0.653016**	0.050182	0.276776	0.358976	0.55785	0.081063	-0.033926	0.31075	-0.06673
SAMPLE_(	-0.007226	0.021465	-0.068855	0.044203	0.005698	0.054931	0.061915	0.016819	0.022702	0.019623	-0.238327	0.052669	-0.1213

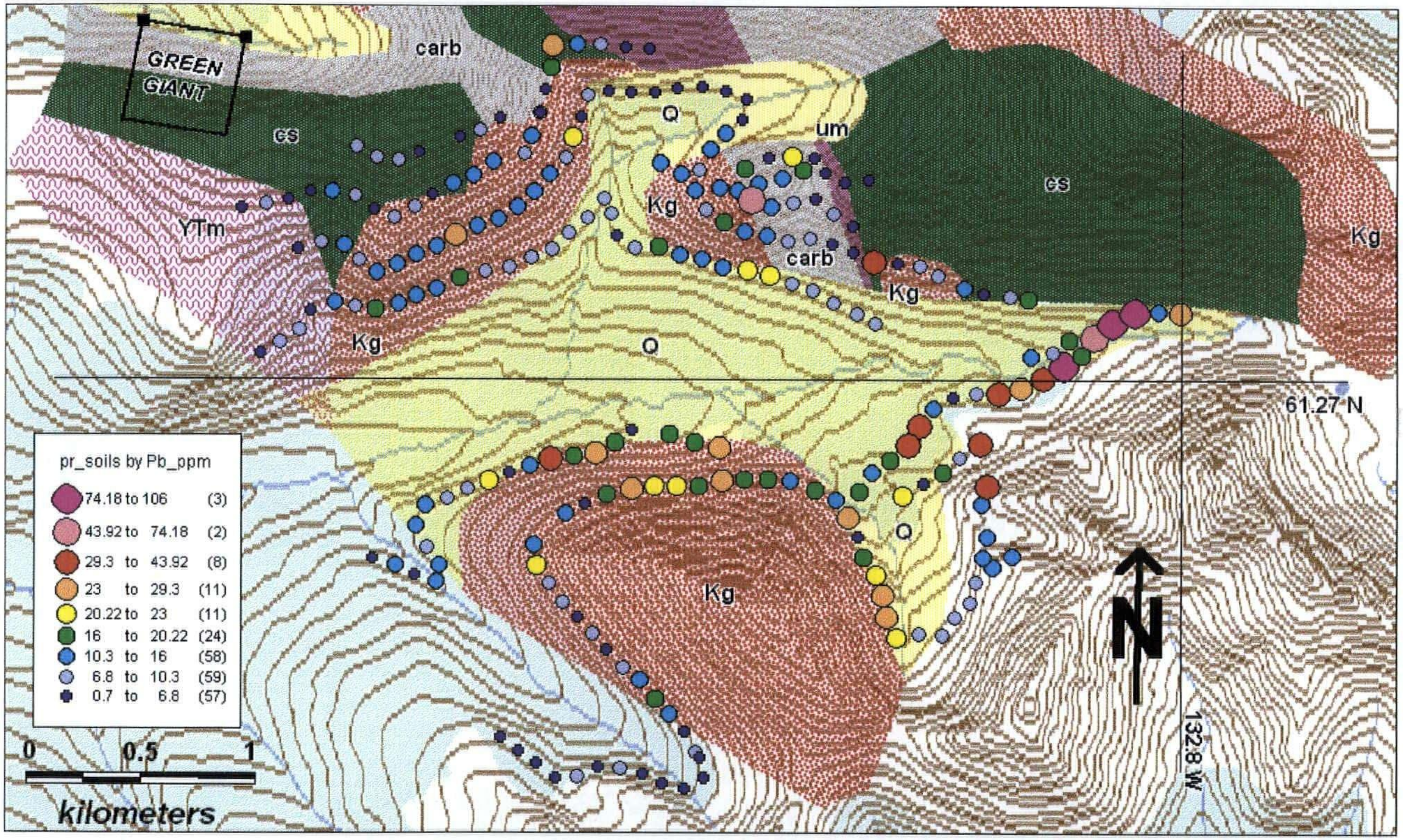
	SR_PPM	CD_PPM	SB_PPM	BI_PPM	V_PPM	CA_%	P_%	LA_PPM	CR_PPM	MG_%	BA_PPM	TI_%	B_PPM
MO_PPM													
CU_PPM													
PB_PPM													
ZN_PPM													
AG_PPM													
NI_PPM													
CO_PPM													
MN_PPM													
FE_%													
AS_PPM													
U_PPM													
AU_PPB													
TH_PPM													
SR_PPM	1												
CD_PPM	**0.74111**	1											
SB_PPM	0.161951	0.178475	1										
BI_PPM	-0.168857	-0.131764	-0.065759	1									
V_PPM	0.552963	0.409106	0.072268	-0.251087	1								
CA_%	**0.754412**	**0.644318**	0.079901	-0.131571	0.415376	1							
P_%	**0.66041**	0.587162	0.179932	-0.184663	0.518135	0.585446	1						
LA_PPM	0.178205	0.141877	0.024583	0.256169	0.102508	0.277406	0.150254	1					
CR_PPM	0.263071	0.163417	0.029412	-0.144225	0.405131	0.304446	0.293078	-0.00438	1				
MG_%	0.225301	0.118977	-0.008995	-0.048278	0.326718	0.308806	0.189437	-0.040104	**0.852906**	1			
BA_PPM	0.305272	0.256863	0.150484	-0.254033	0.460096	0.389856	0.317071	0.023193	0.554508	0.460067	1		
TI_%	0.151037	-0.016429	-0.101312	-0.117095	0.591719	0.146546	-0.078089	0.05485	0.289387	0.31373	0.315689	1	
B_PPM	0.123919	0.13947	0.021688	0.089237	0.103882	0.239424	0.203656	0.093572	0.341751	0.457959	0.134446	0.079808	1
AL_%	0.541331	0.363595	0.04544	-0.137944	**0.705821**	0.476219	0.560676	0.208512	0.420437	0.383645	0.52239	0.499685	0.079822
NA_%	0.541003	0.458153	0.002984	-0.206271	0.300655	0.469788	0.410674	-0.262367	0.125241	0.272759	0.256698	0.205499	0.182586
K_%	0.209002	0.037292	-0.052684	0.076445	0.378733	0.192929	0.120682	0.243825	0.076641	0.199041	0.322921	0.557394	-0.000825
W_PPM	-0.15373	-0.117623	-0.043868	**0.771379**	-0.27632	-0.105178	-0.145858	0.223305	-0.197424	-0.132443	-0.242142	-0.147368	0.008999
HG_PPM	0.166832	0.239611	0.170451	0.019264	0.290584	0.0946	0.398867	0.039844	0.068607	0.00468	0.128545	0.04328	0.094225
SC_PPM	0.372045	0.19295	0.021473	-0.020675	0.58077	0.449467	0.208065	0.227202	0.442895	**0.612751**	0.492935	**0.662659**	0.214836
TL_PPM	0.072178	0.019301	0.012652	0.505282	0.067052	0.11981	0.02698	0.390209	-0.0863	0.038537	0.041062	0.173685	0.00417
S_%	0.240347	0.160584	0.07023	-0.151707	0.368059	0.171727	0.453714	-0.062219	0.172497	0.142405	0.251844	0.106364	0.084056
GA_PPM	0.228378	0.127142	-0.003312	0.142897	0.528572	0.179534	0.178328	0.421797	0.102854	0.04297	0.203747	0.475242	-0.068272
SE_PPM	**0.714235**	**0.656009**	0.132043	-0.098844	0.556944	0.537096	**0.695979**	0.229455	0.169383	0.106822	0.236715	0.089246	0.131477
SAMPLE_(	0.034161	0.038209	-0.205221	-0.027581	0.08582	0.006591	-0.084981	-0.170662	0.052644	0.05455	0.047957	0.133736	0.000854

	AL_%	NA_%	K_%	W_PPM	HG_PPM	SC_PPM	TL_PPM	S_%	GA_PPM	SE_PPM	AMPLE_G
MO_PPM											
CU_PPM											
PB_PPM											
ZN_PPM											
AG_PPM											
NI_PPM											
CO_PPM											
MN_PPM											
FE_%											
AS_PPM											
U_PPM											
AU_PPB											
TH_PPM											
SR_PPM											
CD_PPM											
SB_PPM											
BI_PPM											
V_PPM											
CA_%											
P_%											
LA_PPM											
CR_PPM											
MG_%											
BA_PPM											
TI_%											
B_PPM											
AL_%	1										
NA_%	0.403764	1									
K_%	**0.604988**	0.274929	1								
W_PPM	-0.139226	-0.152544	0.087659	1							
HG_PPM	0.455751	0.054557	0.150704	0.105054	1						
SC_PPM	**0.704179**	0.425975	**0.65005**	-0.023809	0.142236	1					
TL_PPM	0.363312	0.064588	**0.647985**	0.55486	0.210139	0.457765	1				
S_%	0.448424	0.268202	0.261055	-0.120726	0.274423	0.195237	0.095471	1			
GA_PPM	0.587379	-0.035026	0.565323	0.112766	0.260401	0.470888	0.572554	0.088446	1		
SE_PPM	**0.661741**	0.400023	0.177882	-0.077438	0.433862	0.335635	0.184599	0.398079	0.303343	1	
SAMPLE_(	-0.013001	0.045542	-0.044499	-0.001636	-0.225695	-0.01384	-0.046415	-0.103717	-0.050536	0.018747	1

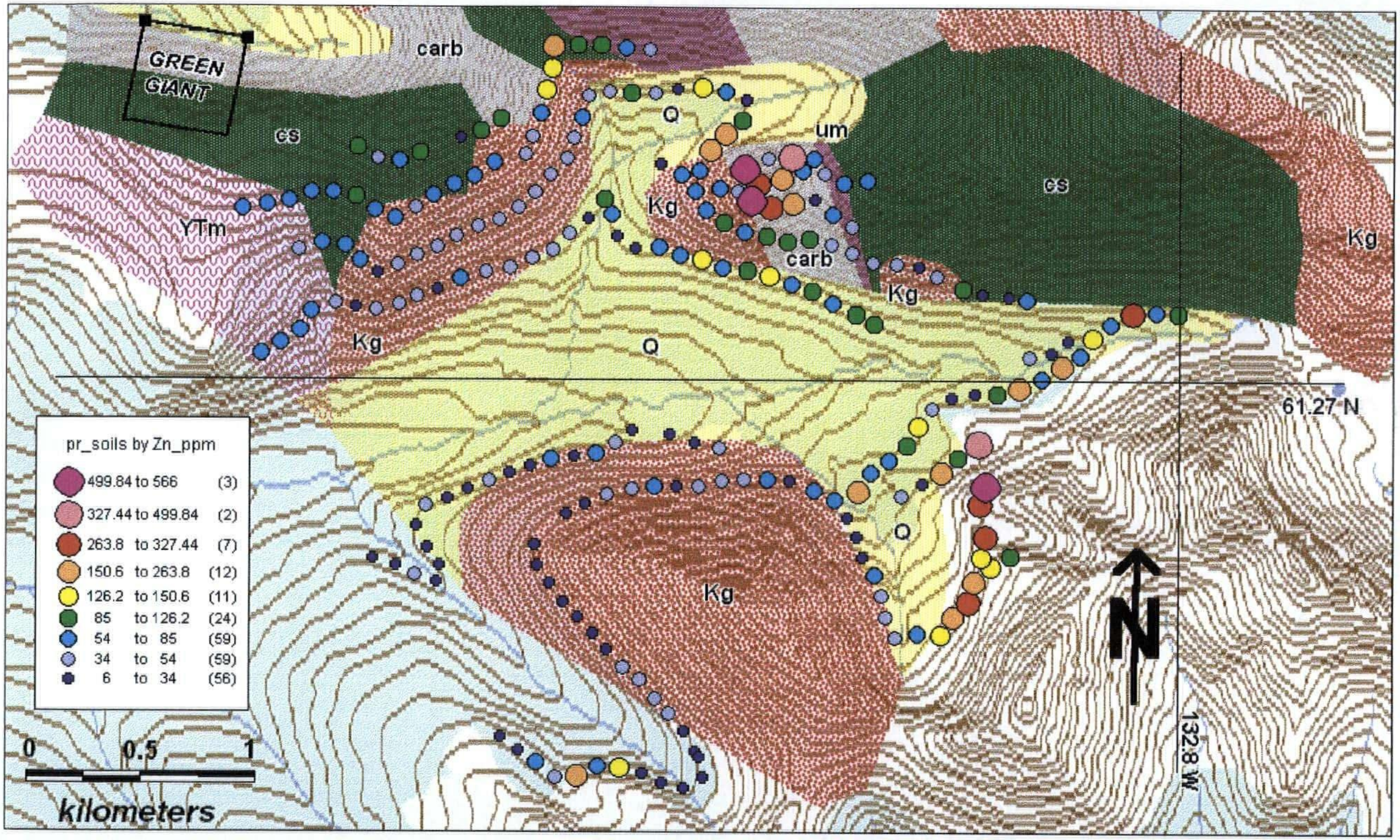
APPENDIX V

Upper Canol Creek
Symbolized Soil Survey Results
Cu,Pb,Zn,Ag,Ba,V,U,Th,As,Au,Sb,Se,Hg,Cr,Co,Ni,Mo,Bi,W

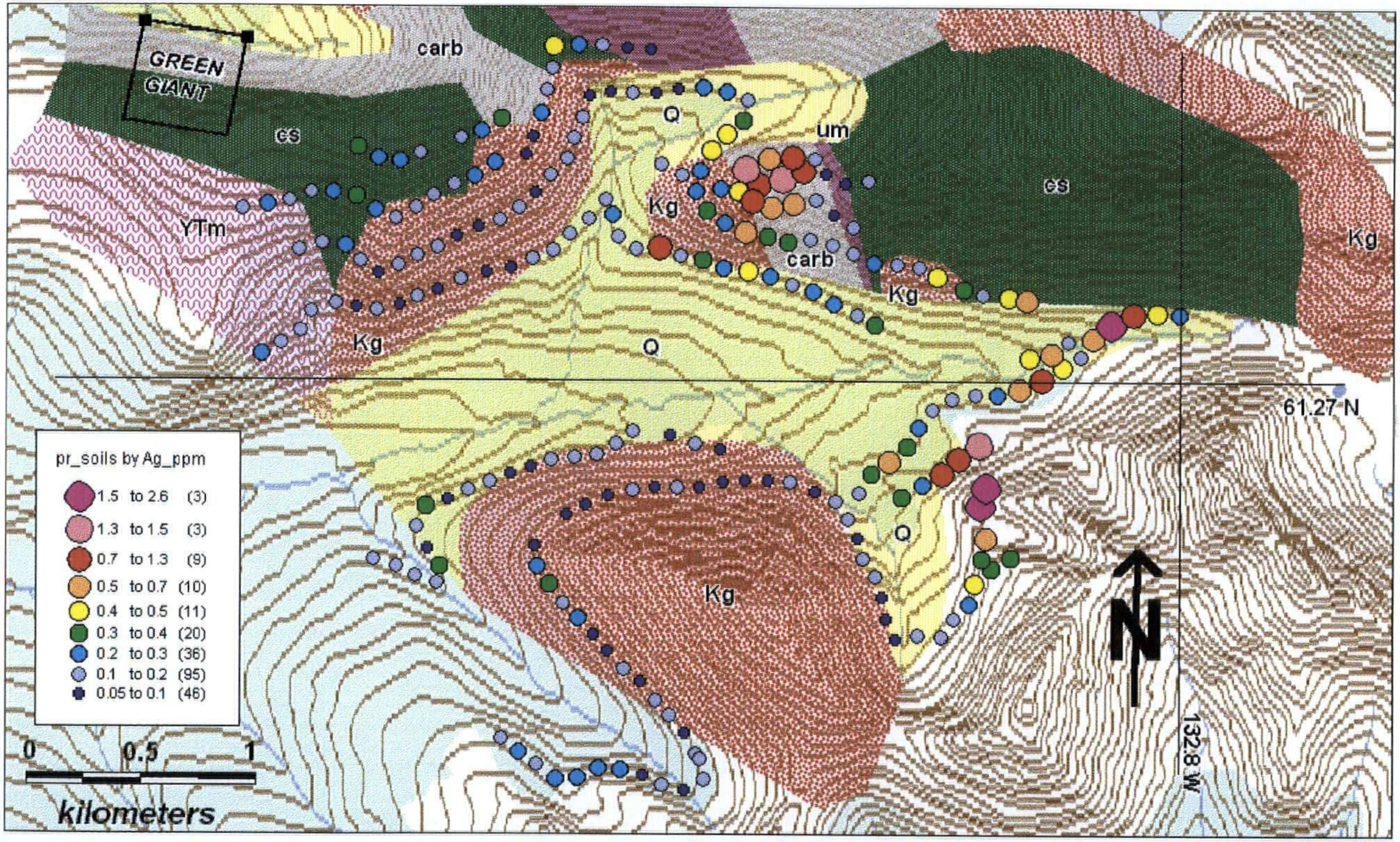

GREEN GIANT
carb
cs
Q
um
Kg
YTm
carb
Kg
cs
Kg
Q
Kg
61.27 N
pr_soils by Cu_ppm
118.88 to 156 (3)
104.22 to 118.88 (2)
83.76 to 104.22 (7)
60.82 to 83.76 (12)
47 to 60.82 (11)
34.6 to 47 (24)
21.1 to 34.6 (59)
12.9 to 21.1 (57)
0.2 to 12.9 (58)
Q
Kg
N
132.8 W
0 0.5 1
kilometers



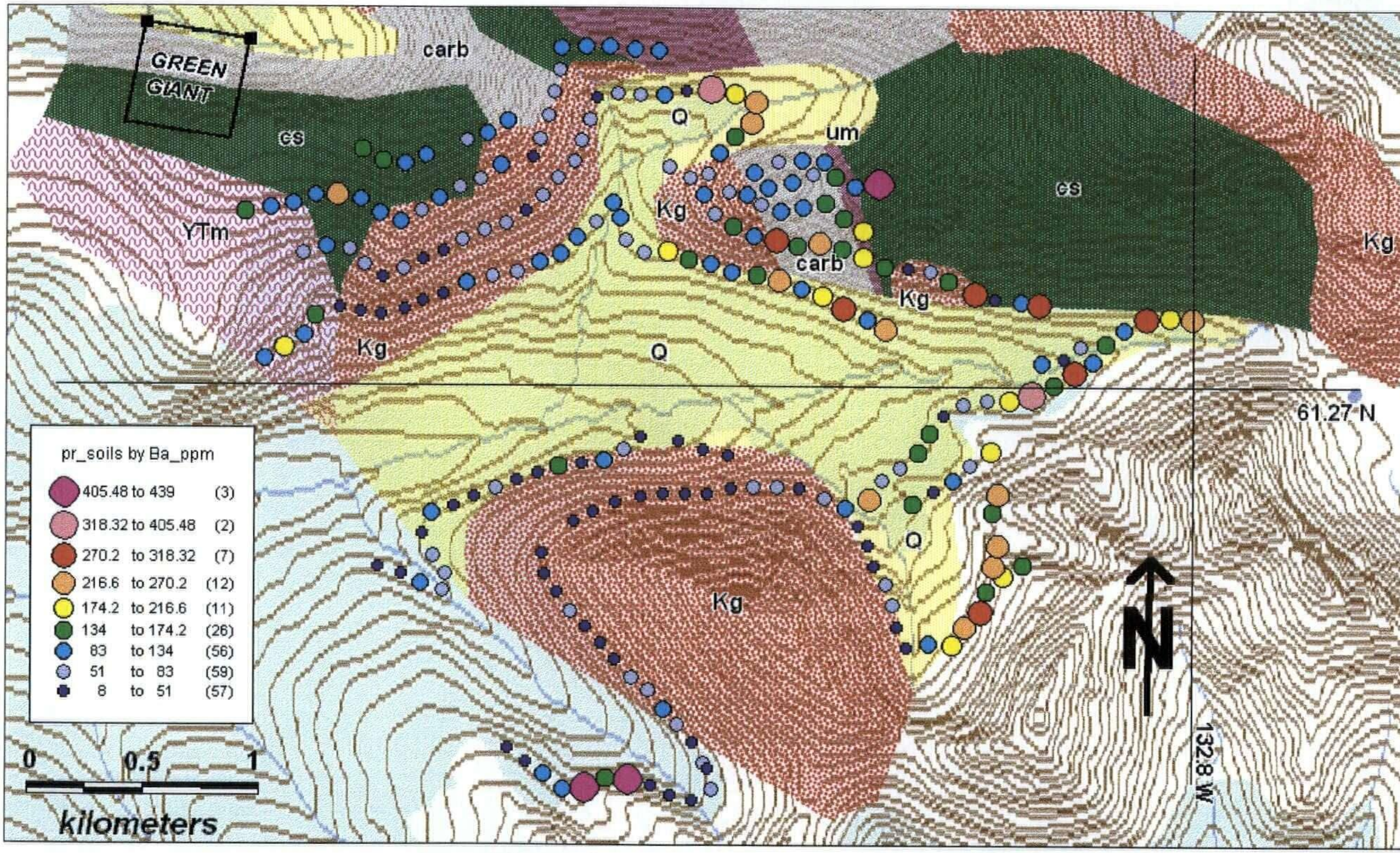
GREEN GIANT
carb
cs
Q
um
Kg
YTm
carb
Kg
cs
Kg
Kg
Q
61.27 N
pr_soils by Pb_ppm
74.18 to 106 (3)
43.92 to 74.18 (2)
29.3 to 43.92 (8)
23 to 29.3 (11)
20.22 to 23 (11)
16 to 20.22 (24)
10.3 to 16 (58)
6.8 to 10.3 (59)
0.7 to 6.8 (57)
Kg
Q
N
0 0.5 1
kilometers
132.8 W



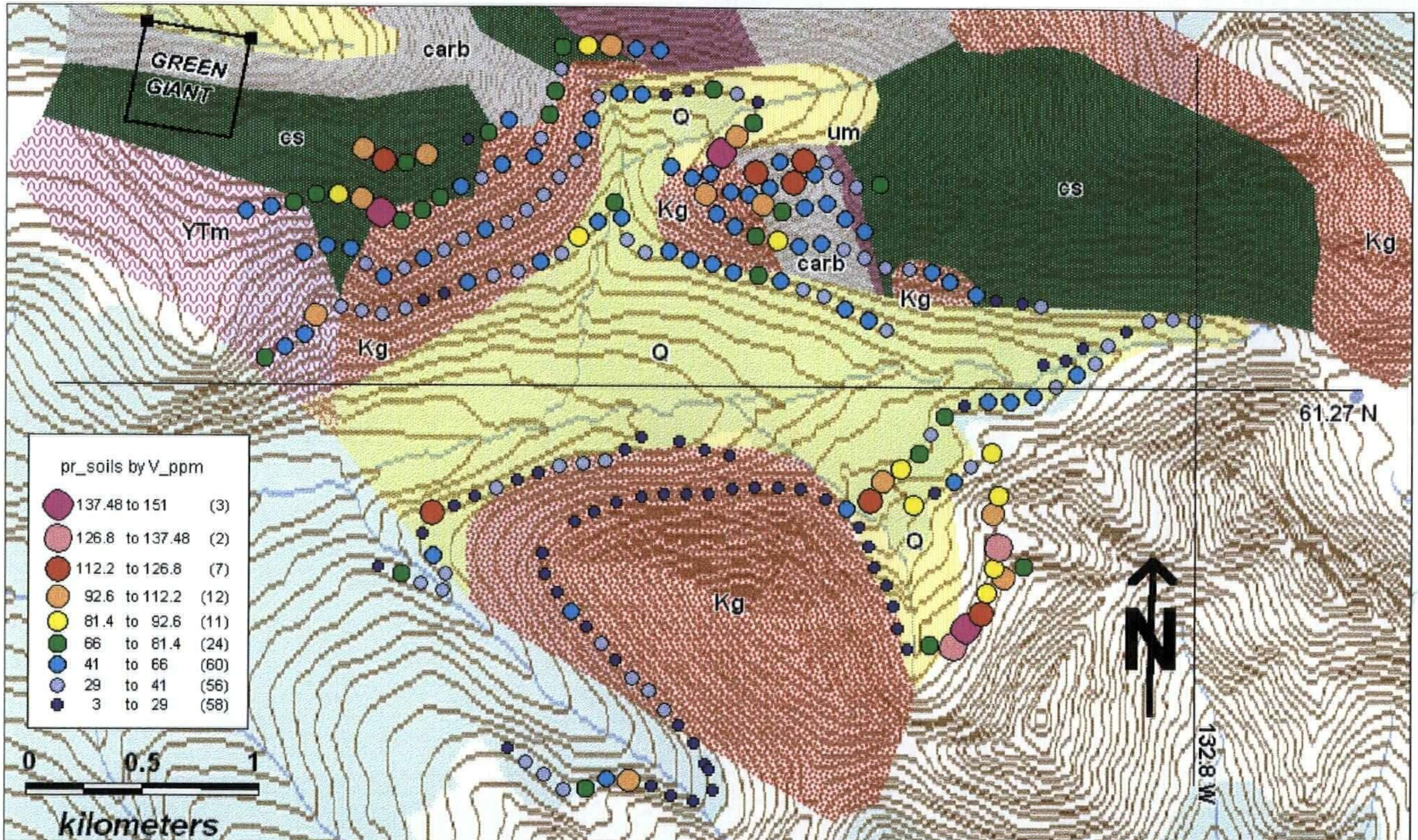
GREEN GIANT
carb
cs
Q
um
Kg
YTm
carb
Q
Kg
Kg
cs
Kg
Q
Kg
61.27 N
132.8 W
N
pr_soils by Zn_ppm
499.84 to 566 (3)
327.44 to 499.84 (2)
263.8 to 327.44 (7)
150.6 to 263.8 (12)
126.2 to 150.6 (11)
85 to 126.2 (24)
54 to 85 (59)
34 to 54 (59)
6 to 34 (56)
0 0.5 1
kilometers

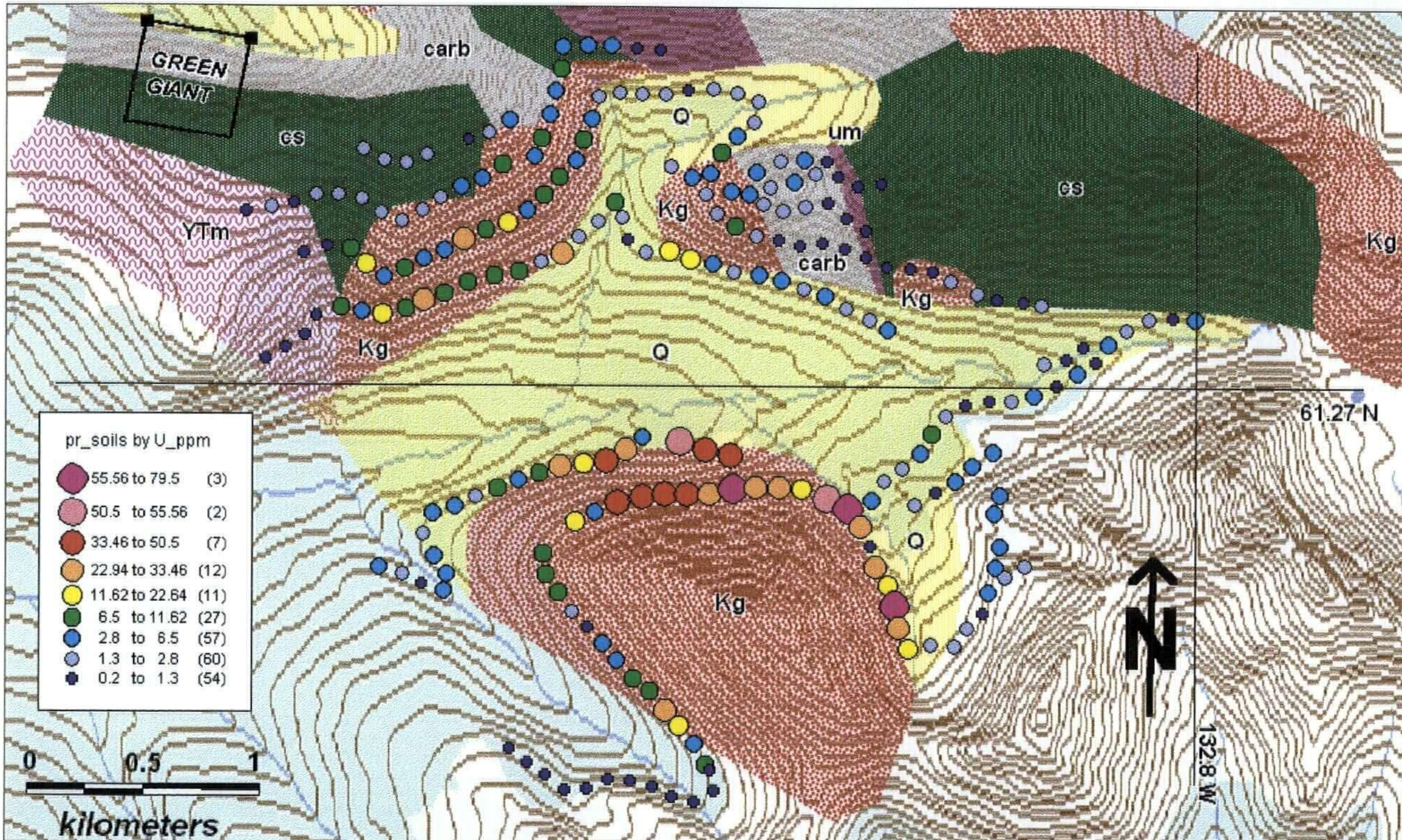


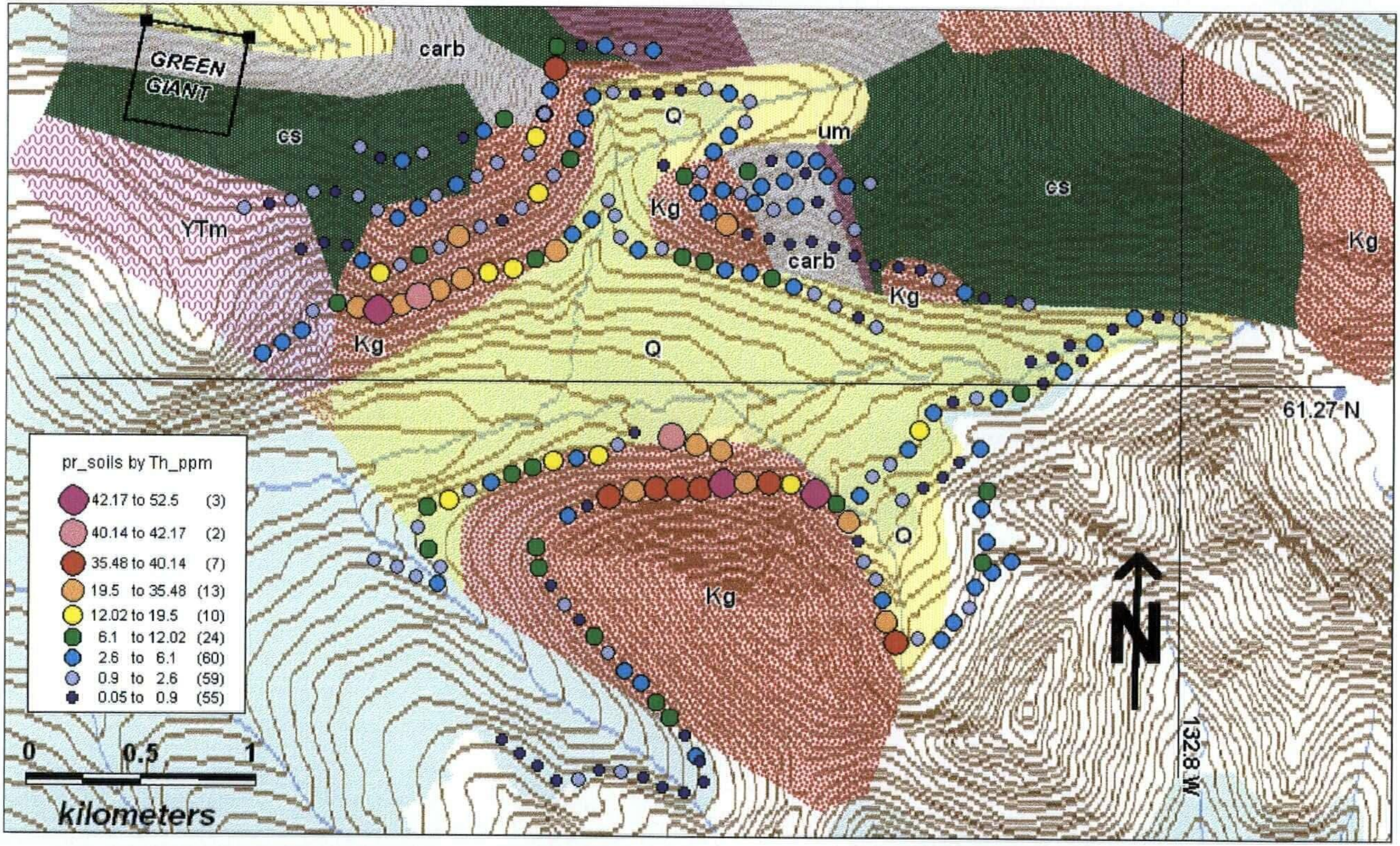
GREEN GIANT
carb
gs
um
YTm
Q
Kg
carb
Kg
gs
Kg
Kg
Q
61.27 N
pr_soils by Ag_ppm
1.5 to 2.6 (3)
1.3 to 1.5 (3)
0.7 to 1.3 (9)
0.5 to 0.7 (10)
0.4 to 0.5 (11)
0.3 to 0.4 (20)
0.2 to 0.3 (36)
0.1 to 0.2 (95)
0.05 to 0.1 (46)
Q
Kg
N
132.8 W
0 0.5 1
kilometers



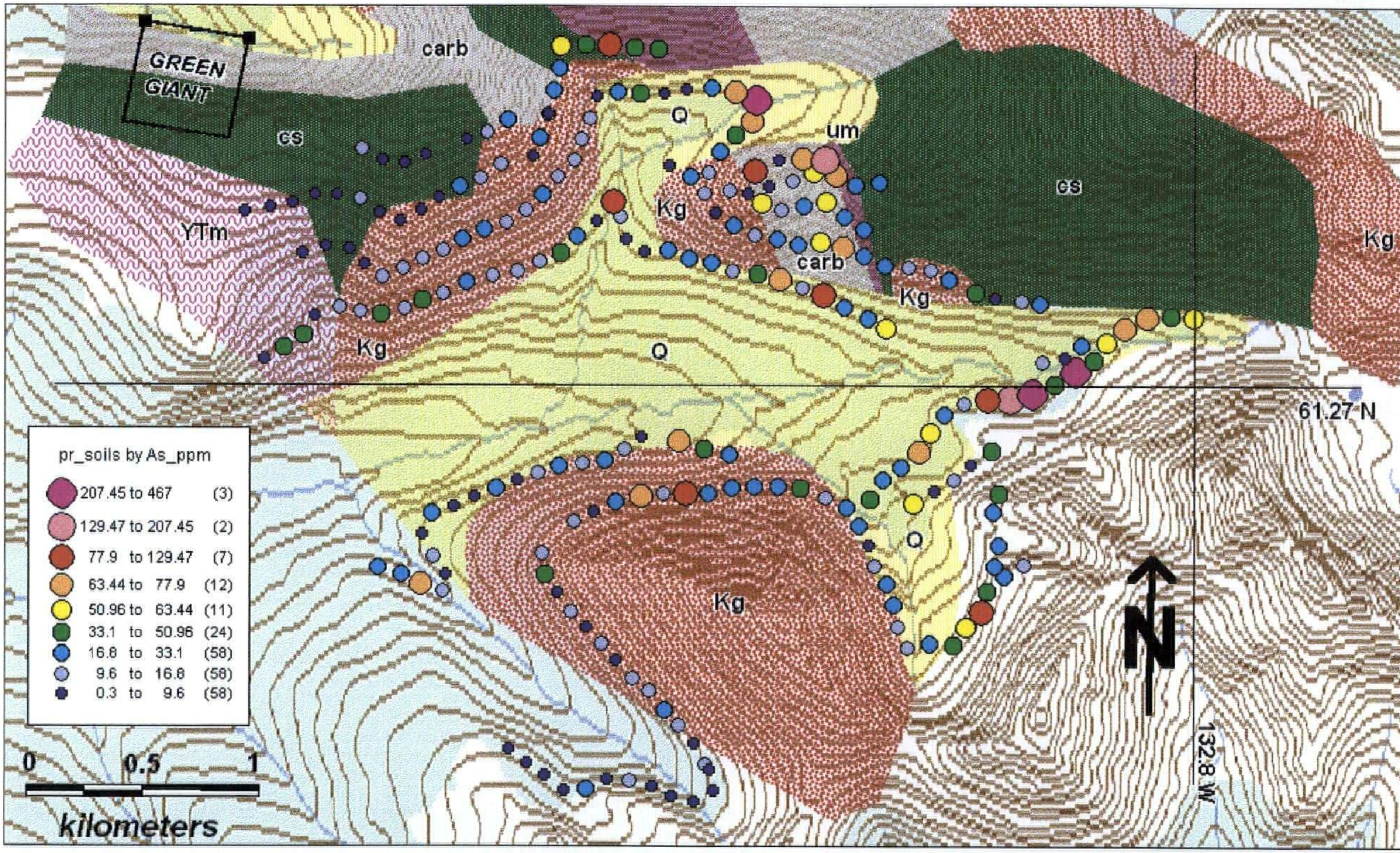
GREEN GIANT
carb
cs
um
Q
Kg
YTm
carb
Kg
Q
Kg
Q
Kg
61.27 N
132.8 W
N
pr_soils by Ba_ppm
405.48 to 439 (3)
318.32 to 405.48 (2)
270.2 to 318.32 (7)
216.6 to 270.2 (12)
174.2 to 216.6 (11)
134 to 174.2 (26)
83 to 134 (56)
51 to 83 (59)
8 to 51 (57)
0 0.5 1
kilometers


GREEN GIANT
carb
cs
Q
um
Kg
YTm
carb
Kg
cs
Kg
Kg
Q
61.27 N
pr_soils by V_ppm
137.48 to 151 (3)
126.8 to 137.48 (2)
112.2 to 126.8 (7)
92.6 to 112.2 (12)
81.4 to 92.6 (11)
66 to 81.4 (24)
41 to 66 (60)
29 to 41 (56)
3 to 29 (58)
Q
Kg
N
0 0.5 1
kilometers
132.8 W

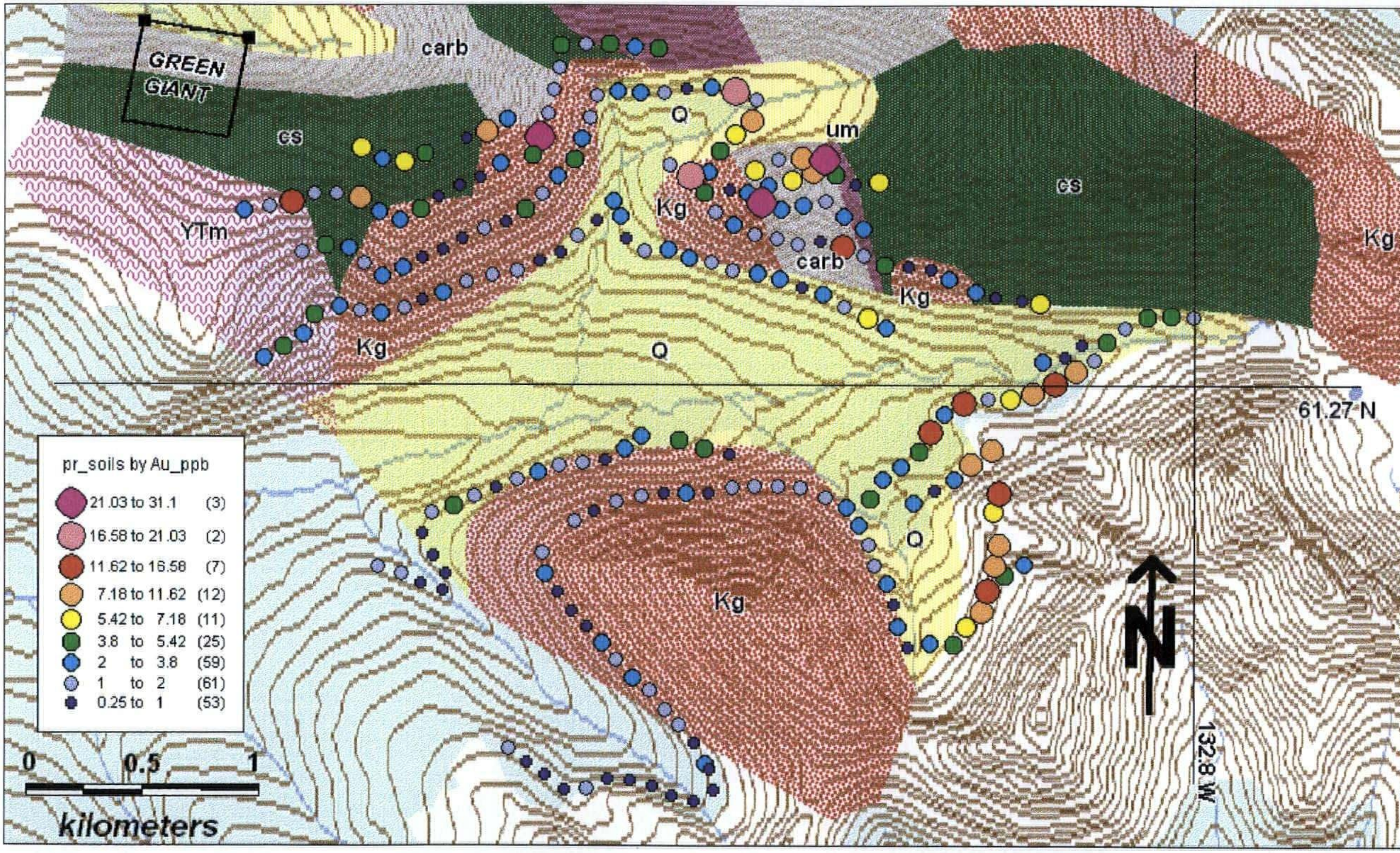

GREEN
GIANT
carb
cs
Q
um
Kg
YTm
carb
Kg
cs
Kg
Kg
Q
61.27 N
pr_soils by U_ppm
55.56 to 79.5 (3)
50.5 to 55.56 (2)
33.46 to 50.5 (7)
22.94 to 33.46 (12)
11.62 to 22.64 (11)
6.5 to 11.62 (27)
2.8 to 6.5 (57)
1.3 to 2.8 (60)
0.2 to 1.3 (54)
Q
Kg
N
0 0.5 1
kilometers
132.8 W



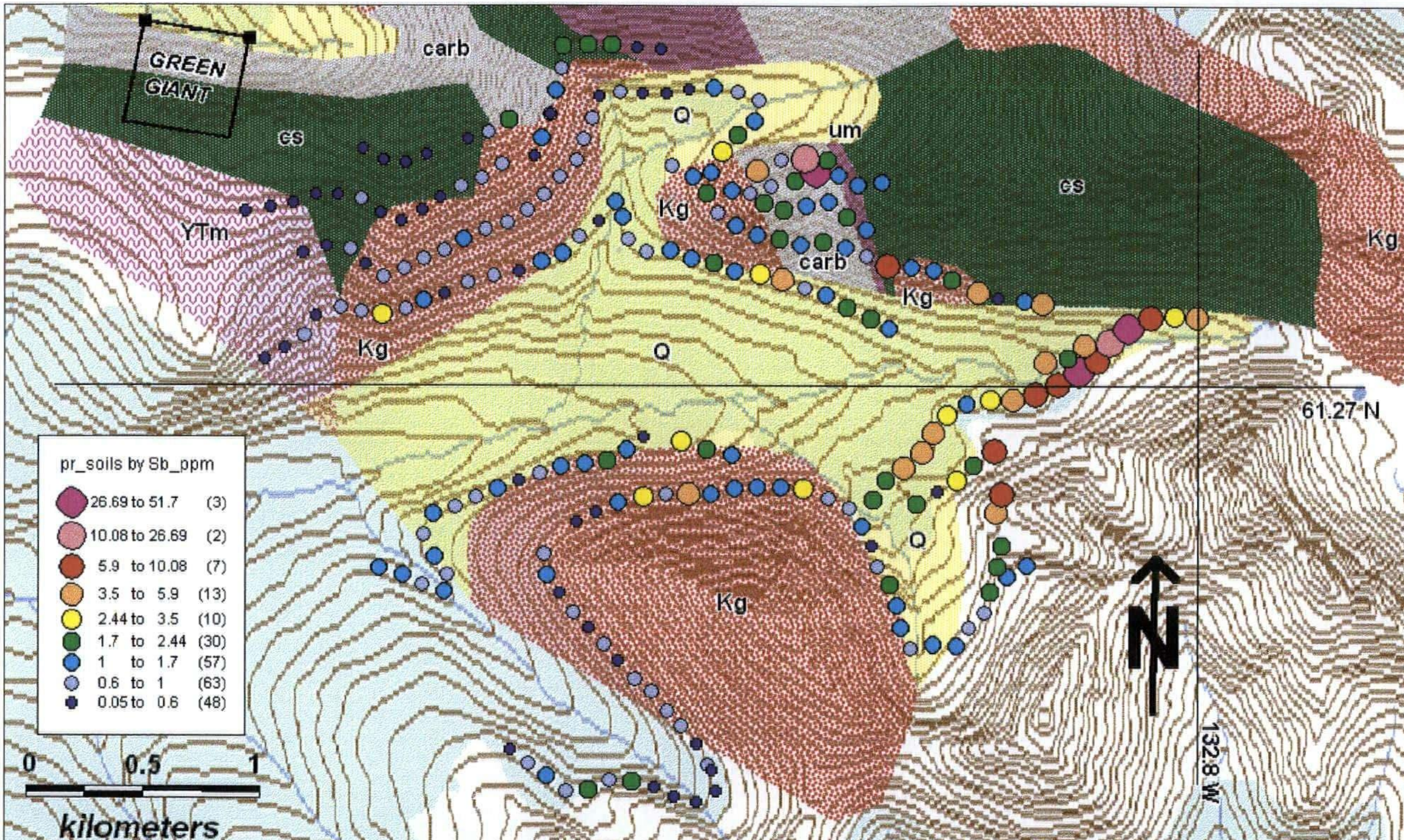
GREEN GIANT
carb
cs
Q
um
YTm
Kg
carb
Q
61.27 N
132.8 W
N
pr_soils by Th_ppm
42.17 to 52.5 (3)
40.14 to 42.17 (2)
35.48 to 40.14 (7)
19.5 to 35.48 (13)
12.02 to 19.5 (10)
6.1 to 12.02 (24)
2.6 to 6.1 (60)
0.9 to 2.6 (59)
0.05 to 0.9 (55)
0 0.5 1
kilometers



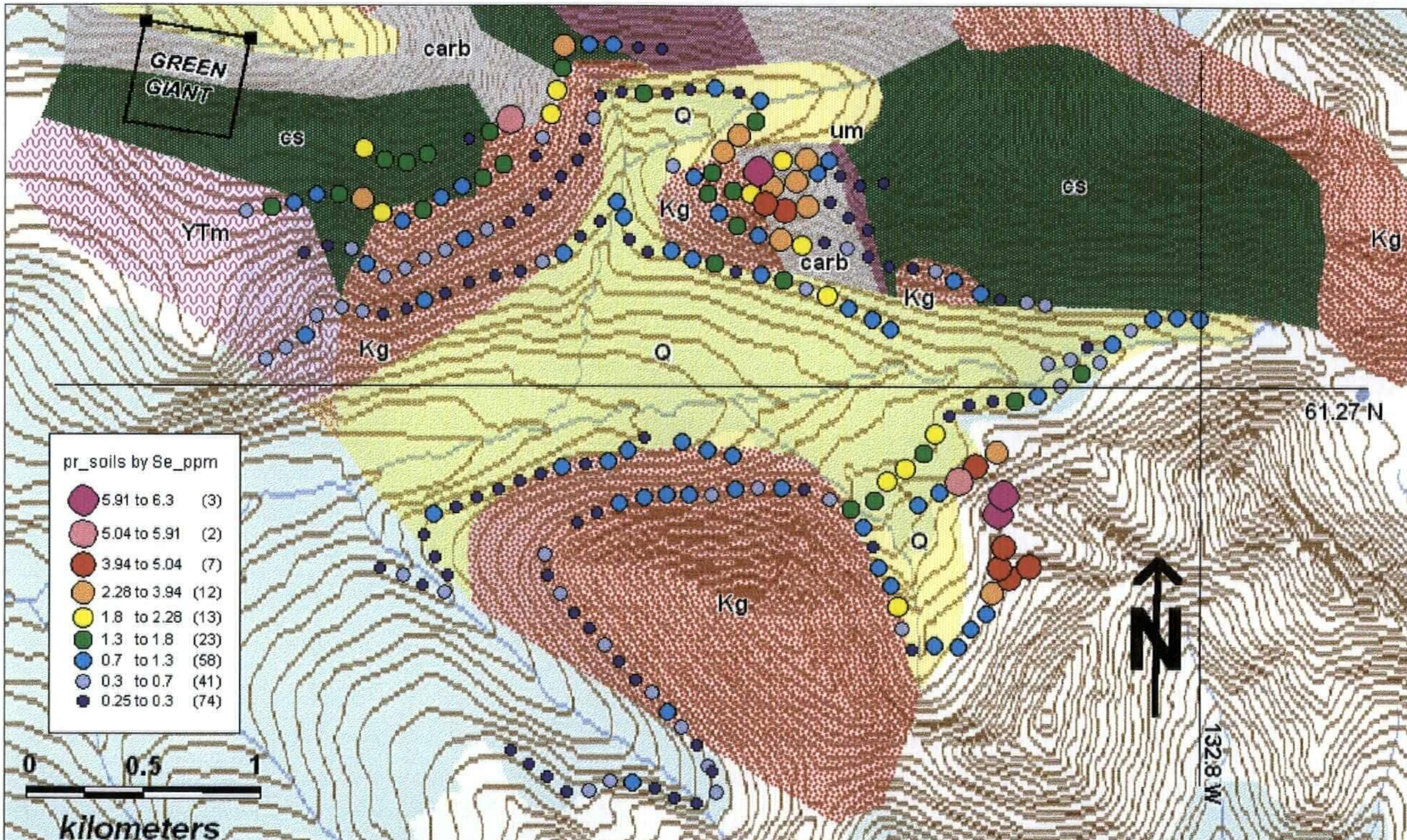
GREEN GIANT
carb
cs
um
Q
Kg
YTm
carb
cs
Kg
Kg
Q
Kg
Q
Kg
61.27 N
132.8 W
N
pr_soils by As_ppm
207.45 to 467 (3)
129.47 to 207.45 (2)
77.9 to 129.47 (7)
63.44 to 77.9 (12)
50.96 to 63.44 (11)
33.1 to 50.96 (24)
16.8 to 33.1 (58)
9.6 to 16.8 (58)
0.3 to 9.6 (58)
0 0.5 1
kilometers



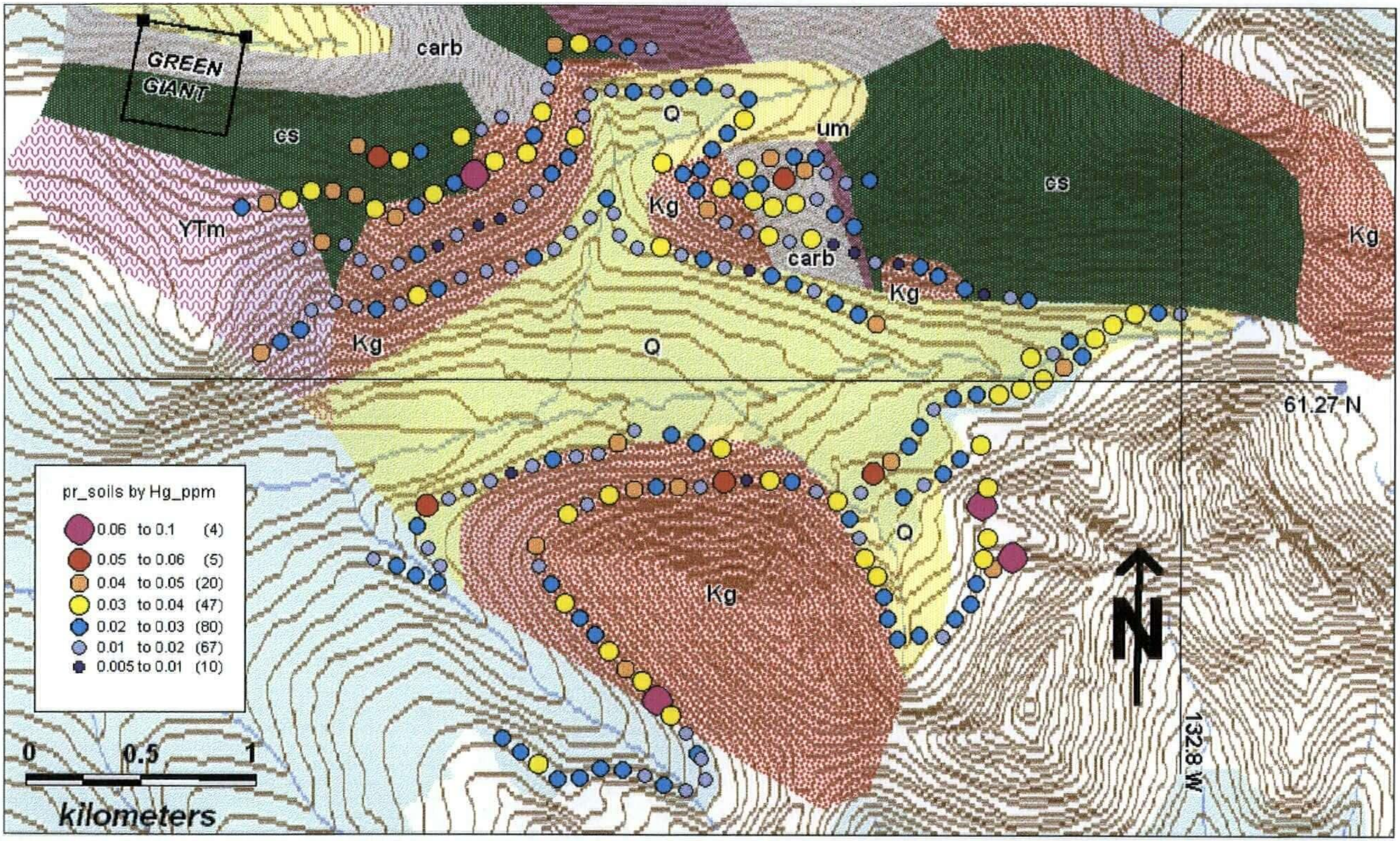
GREEN GIANT
carb
cs
um
Q
Kg
YTm
61.27 N
132.8 W
N
pr_soils by Au_ppb
21.03 to 31.1 (3)
16.58 to 21.03 (2)
11.62 to 16.58 (7)
7.18 to 11.62 (12)
5.42 to 7.18 (11)
3.8 to 5.42 (25)
2 to 3.8 (59)
1 to 2 (61)
0.25 to 1 (53)
0 0.5 1
kilometers

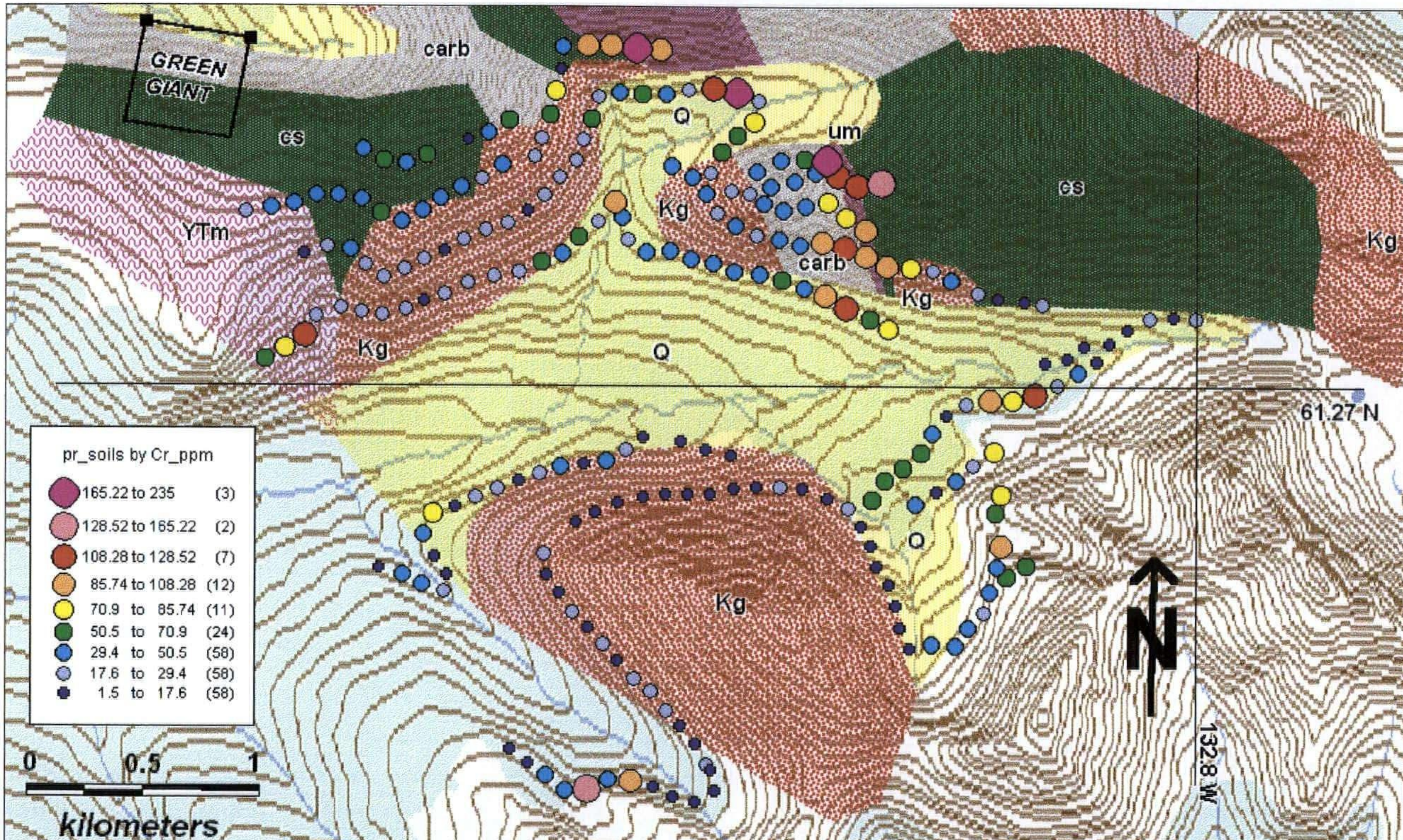


GREEN GIANT
carb
gs
Q
um
Kg
YTm
carb
Kg
Kg
Q
gs
Kg
61.27 N
pr_soils by Sb_ppm
26.69 to 51.7 (3)
10.08 to 26.69 (2)
5.9 to 10.08 (7)
3.5 to 5.9 (13)
2.44 to 3.5 (10)
1.7 to 2.44 (30)
1 to 1.7 (57)
0.6 to 1 (63)
0.05 to 0.6 (48)
Q
Kg
N
0 0.5 1
kilometers
132.8 W

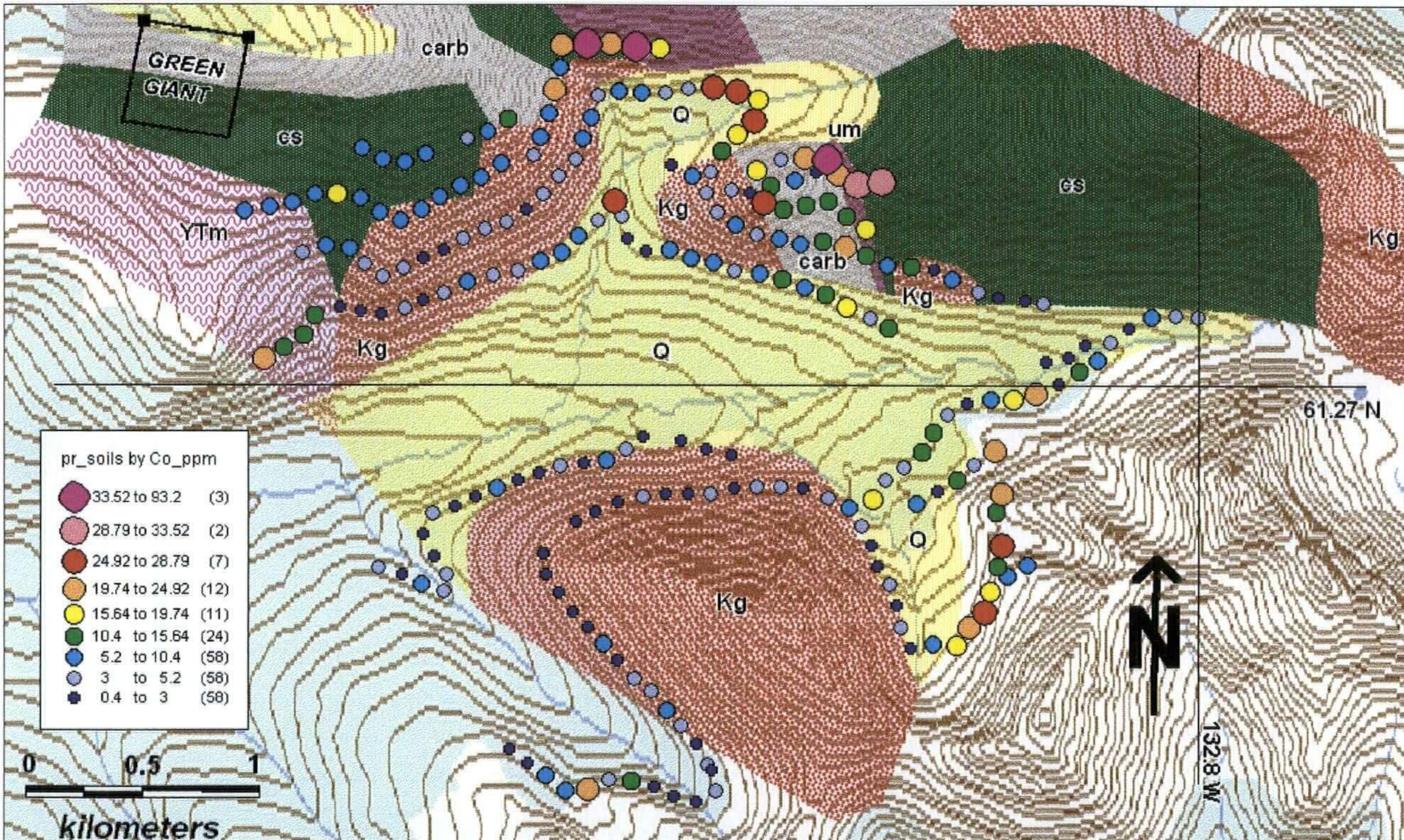


GREEN GIANT
carb
cs
um
Q
Kg
YTm
carb
Kg
cs
Kg
Q
61.27 N
pr_soils by Se_ppm
5.91 to 6.3 (3)
5.04 to 5.91 (2)
3.94 to 5.04 (7)
2.28 to 3.94 (12)
1.8 to 2.28 (13)
1.3 to 1.8 (23)
0.7 to 1.3 (58)
0.3 to 0.7 (41)
0.25 to 0.3 (74)
Q
Kg
N
132.8 W
0 0.5 1
kilometers

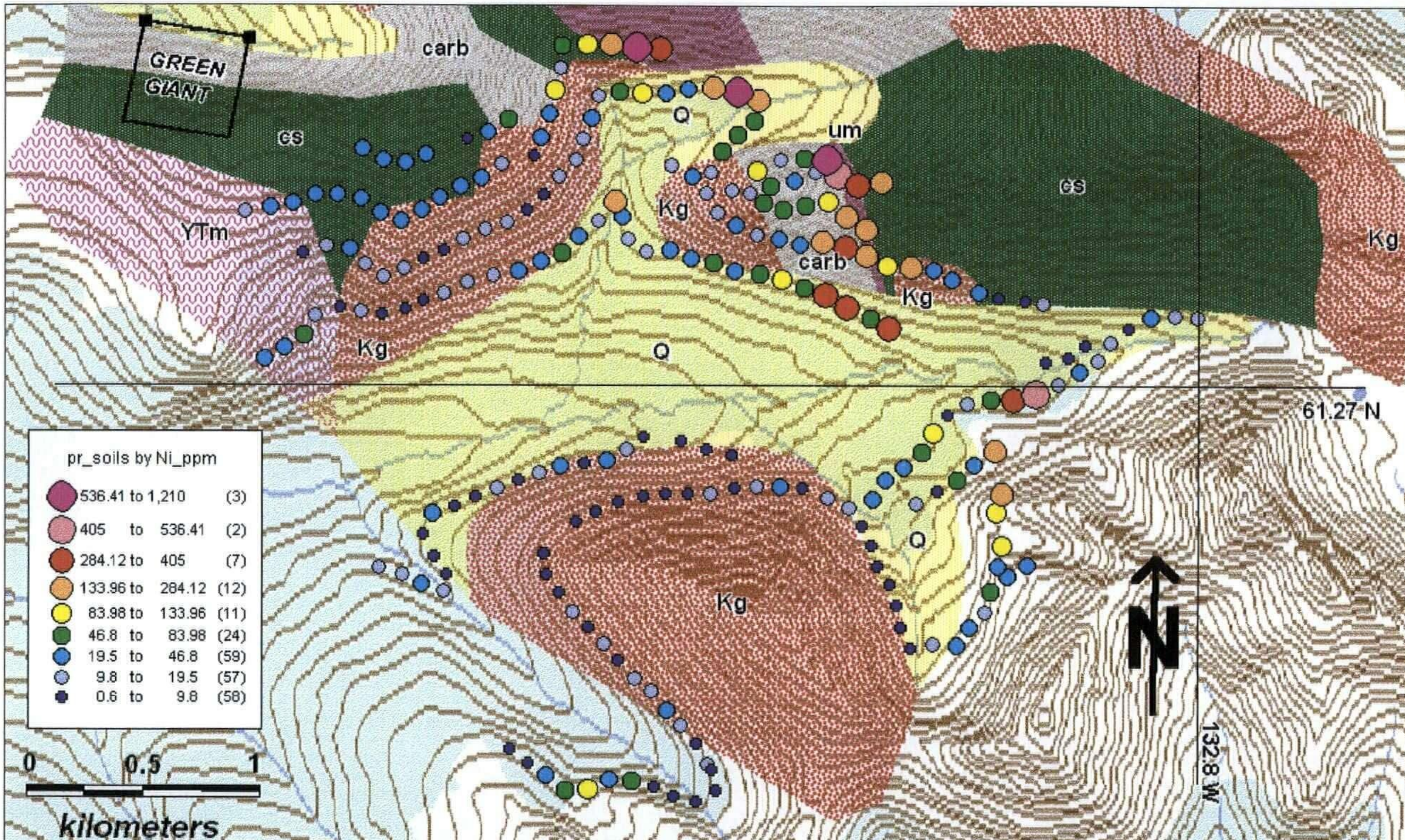

GREEN GIANT
carb
cs
Q
um
cs
Kg
YTm
Kg
carb
Kg
Kg
Q
61.27 N
pr_soils by Hg_ppm
0.06 to 0.1 (4)
0.05 to 0.06 (5)
0.04 to 0.05 (20)
0.03 to 0.04 (47)
0.02 to 0.03 (80)
0.01 to 0.02 (67)
0.005 to 0.01 (10)
Q
Kg
N
132.8 W
0
0.5
1
kilometers



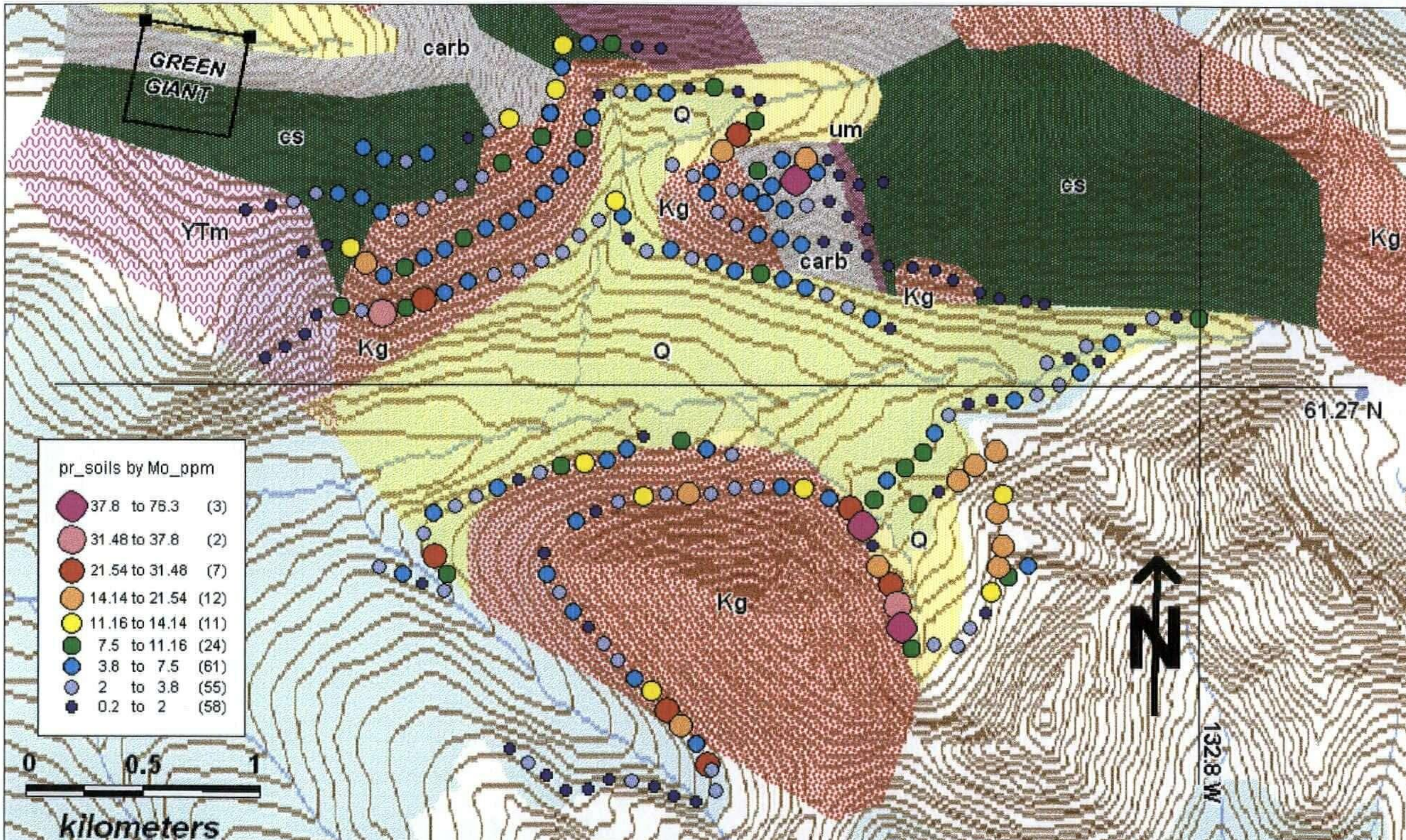
GREEN
GIANT
carb
cs
Q
um
cs
Kg
YTm
Kg
carb
Kg
Kg
Q
61.27 N
pr_soils by Cr_ppm
165.22 to 235 (3)
128.52 to 165.22 (2)
108.28 to 128.52 (7)
85.74 to 108.28 (12)
70.9 to 85.74 (11)
50.5 to 70.9 (24)
29.4 to 50.5 (58)
17.6 to 29.4 (58)
1.5 to 17.6 (58)
Q
Kg
N
0 0.5 1
kilometers
132.8 W



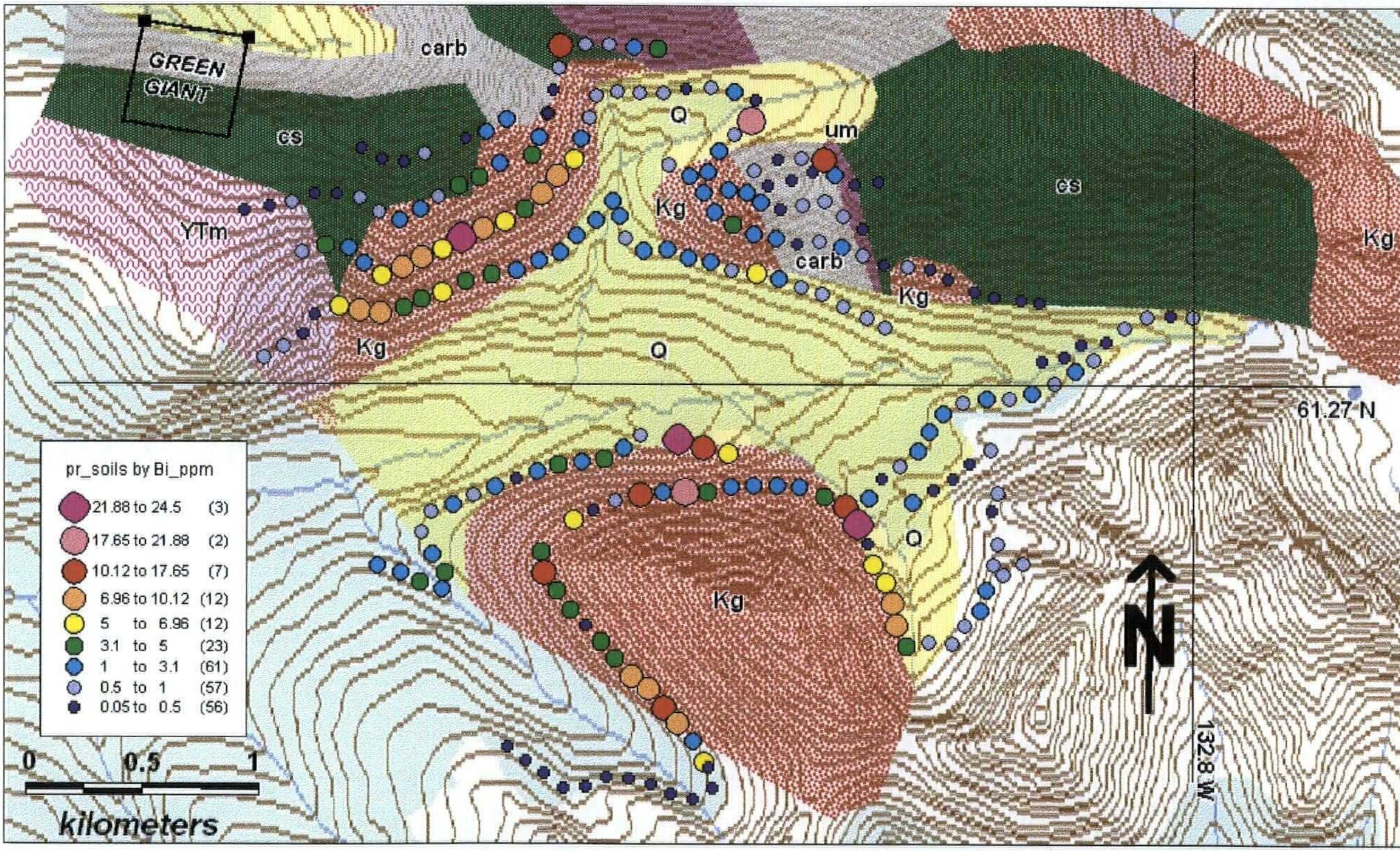
GREEN GIANT
carb
cs
um
Q
Kg
YTm
carb
Kg
cs
Kg
Q
Kg
Q
Kg
61.27 N
132.8 W
N
pr_soils by Co_ppm
33.52 to 93.2 (3)
28.79 to 33.52 (2)
24.92 to 28.79 (7)
19.74 to 24.92 (12)
15.64 to 19.74 (11)
10.4 to 15.64 (24)
5.2 to 10.4 (58)
3 to 5.2 (58)
0.4 to 3 (58)
0 0.5 1
kilometers



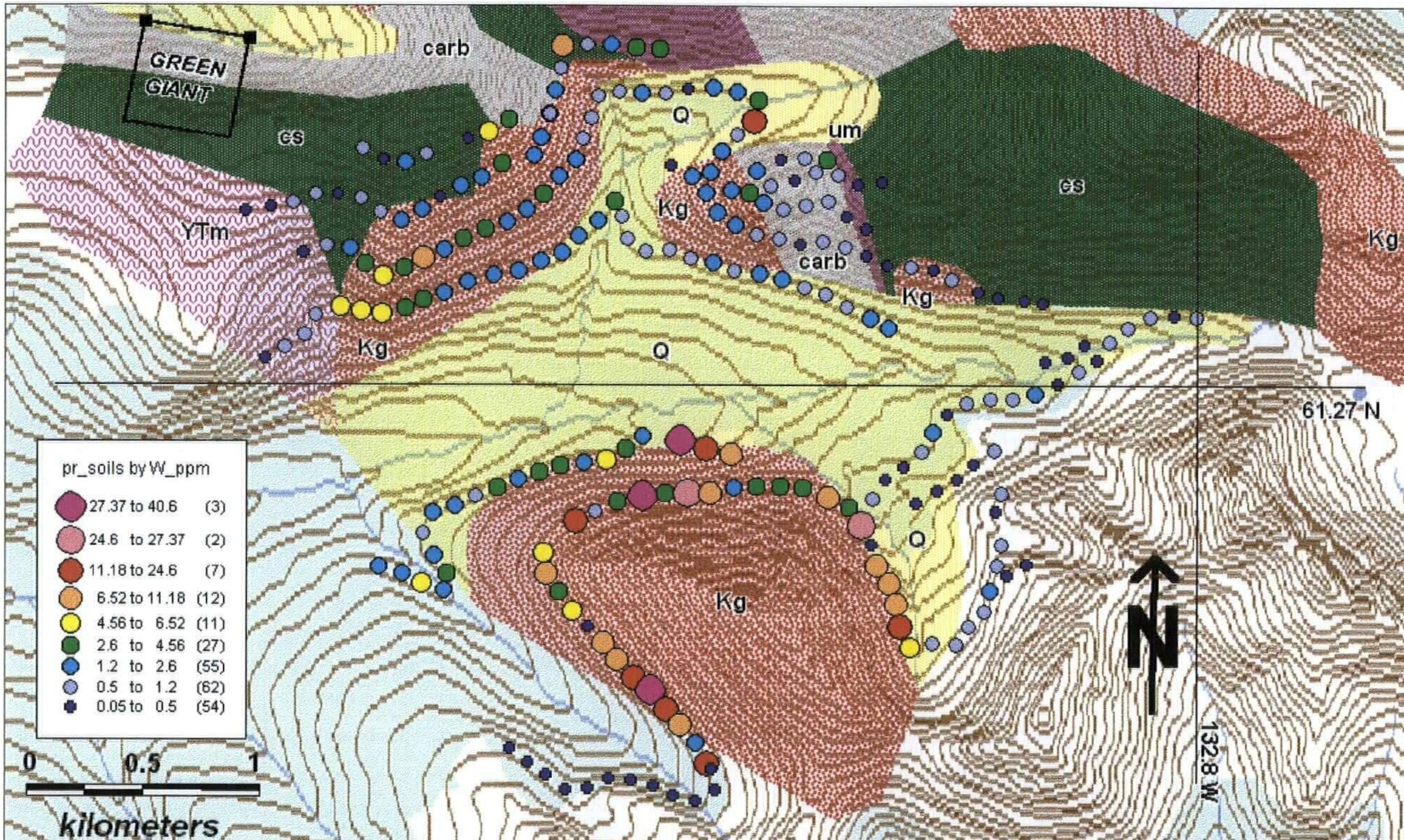
GREEN GIANT
carb
cs
Q
um
Kg
YTm
carb
Kg
Kg
Q
cs
Kg
61.27 N
pr_soils by Ni_ppm
536.41 to 1,210 (3)
405 to 536.41 (2)
284.12 to 405 (7)
133.96 to 284.12 (12)
83.98 to 133.96 (11)
46.8 to 83.98 (24)
19.5 to 46.8 (59)
9.8 to 19.5 (57)
0.6 to 9.8 (58)
Q
Kg
N
132.8 W
0 0.5 1
kilometers



GREEN GIANT
carb
cs
Q
um
Kg
YTm
carb
Kg
Kg
Q
Kg
cs
Kg
Q
Kg
61.27 N
132.8 W
N
pr_soils by Mo_ppm
37.8 to 76.3 (3)
31.48 to 37.8 (2)
21.54 to 31.48 (7)
14.14 to 21.54 (12)
11.16 to 14.14 (11)
7.5 to 11.16 (24)
3.8 to 7.5 (61)
2 to 3.8 (55)
0.2 to 2 (58)
0 0.5 1
kilometers



GREEN GIANT
carb
cs
Q
um
cs
Kg
Kg
YTm
carb
Kg
Kg
Q
Kg
61.27 N
pr_soils by Bi_ppm
21.88 to 24.5 (3)
17.65 to 21.88 (2)
10.12 to 17.65 (7)
6.96 to 10.12 (12)
5 to 6.96 (12)
3.1 to 5 (23)
1 to 3.1 (61)
0.5 to 1 (57)
0.05 to 0.5 (56)
Q
Kg
N
0 0.5 1
kilometers
132.8 W


GREEN GIANT
carb
cs
Q
um
Kg
YTm
carb
Kg
cs
Kg
Kg
Q
61.27 N
pr_soils by W_ppm
27.37 to 40.6 (3)
24.6 to 27.37 (2)
11.18 to 24.6 (7)
6.52 to 11.18 (12)
4.56 to 6.52 (11)
2.6 to 4.56 (27)
1.2 to 2.6 (55)
0.5 to 1.2 (62)
0.05 to 0.5 (54)
Q
Kg
N
132.8 W
0 0.5 1
kilometers

includes 1 loose map