Preliminary
Soil and Rock Geochemical Work,

GK Property
(GK 1-20)

2003

Beaverdell Area
(NTS 82E07),

Greenwood Mining Division, Southwestern British Columbia

Latitude 49° 25' 30", Longitude 118° 56' 24"

for

Bitterroot Resources Ltd.,

by C.J. Greig B.Sc. M.Sc. P.Geo.,

August 25, 2004

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1.0 Summary of Field Program and Results

Fieldwork conducted in 2003 on the GK1-20 claims cost approximately $9,000 (see Appendix I) and consisted of several preliminary contour soil geochemical and prospecting traverses from which a total of one hundred and sixty-three soil and fifteen rock samples were collected. On the westernmost soil line, run parallel to and along the side of the Crouse Creek Forest Service Road, two highly anomalous zones were outlined. The northernmost of the two areas averaged 0.290 ppm Au across a 375-metre interval (16 samples @ 25 metre intervals). The second area, in the south, averaged 0.983 ppm Au across a 200-metre interval (9 samples @ 25 metre intervals), including 1.660 ppm Au across a 125-metre interval (5 samples @ 25 metre intervals). Highly anomalous Ag, As, Pb, Cu, and Zn results are coincident with the Au analyses, and together, they confirm the potential for a bulk-tonnage precious metals deposit suggested by the 1970's geochemical work performed by Teck Exploration.

The results of the 2003 soil geochemical work clearly warrant further exploration. The next phase of work should initially involve additional staking that should be followed by a short program of property-scale mapping and prospecting. This in turn should be followed by preliminary line-cutting and grid soil geochemical sampling, in part to better reestablish the locations of the 1970 soil anomalies and in part to determine the extent and orientations of the anomalous zones identified by the work reported on herein. It is recommended that this part of the program be run in conjunction with further reconnaissance sampling in the area surrounding the property. Following establishment of the soil grid, and depending on the results, an Induced Polarization survey, as well as excavator trenching and(or) diamond drilling or percussion drilling, should be considered.

2.0 Location, Access, and Physiography

The Gut/Crouse Creek Property is located east of Beaverdell, in a mining-friendly, little-populated area (figs. 1-3). The property is readily accessible from the Crouse Creek Forest Service Road, which connects logging roads in the Beaverdell Creek drainage north of the town of Beaverdell to roads in the Christian Valley (Upper Kettle River), to the south-southeast. The area can be accessed from paved roads via Highway 33, which runs through Beaverdell and links Rock Creek (on Highway 3) with Kelowna. Beaverdell is about 21 km distant from the property by logging roads, and one can drive to Kelowna from the property in about one hour. The property is free of snow and can be readily worked for at least eight months a year, and the nearest parks and Indian Reserves are between 50 and 60 km away. It is located in Greenwood Mining Division (administered by the Nelson office of the Department of Mines), within NTS 1:50,000 map sheet 82E07 (1:20,000 sheet 82E046). Vegetation cover on the property varies. Locally there is thick second growth, and locally heavy underbrush; logging of at least the lower slopes appears to have occurred some 25 to 30 years ago, but parts of the easternmost GK1-20 claims were logged within the past 5-10 years. Elevation in the immediate vicinity of the property ranges between 1000 and 1400 metres.

3.0 Claims

The GK1-20 claims (Table I, fig.4) consist of 20 contiguous claim units that covering approximately 5 square kilometres. According to maps on the Provincial Government Ministry of Mines website, the Gut MinFile occurrence, and presumably, the previously-defined main geochemical anomaly (see below) are covered by the GK1-4 claims, staked January 7, 2003, and

Figure 1. Location of the GK Property, southern British Columbia.

Figure 2. Location of Gut/Crouse Creek property, east of Beaverdell in south-central B.C. Note the location of significant Au deposits nearby, and the relative lack of major Au deposits north of the 'Boundary district', along the border between B.C. and Washington State. Given that the geologic setting is similar, the implication is that the area to the north is under-explored.

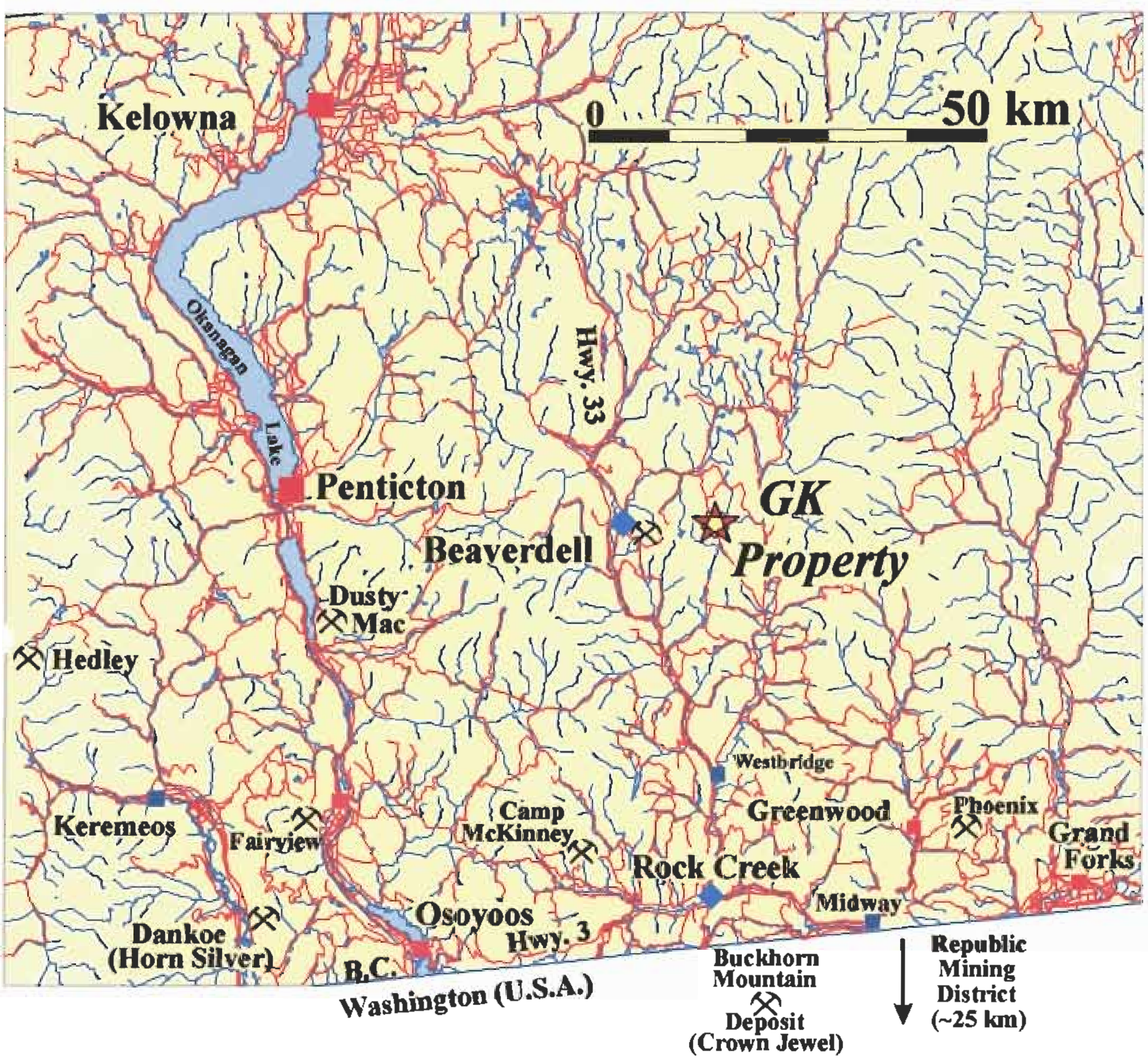
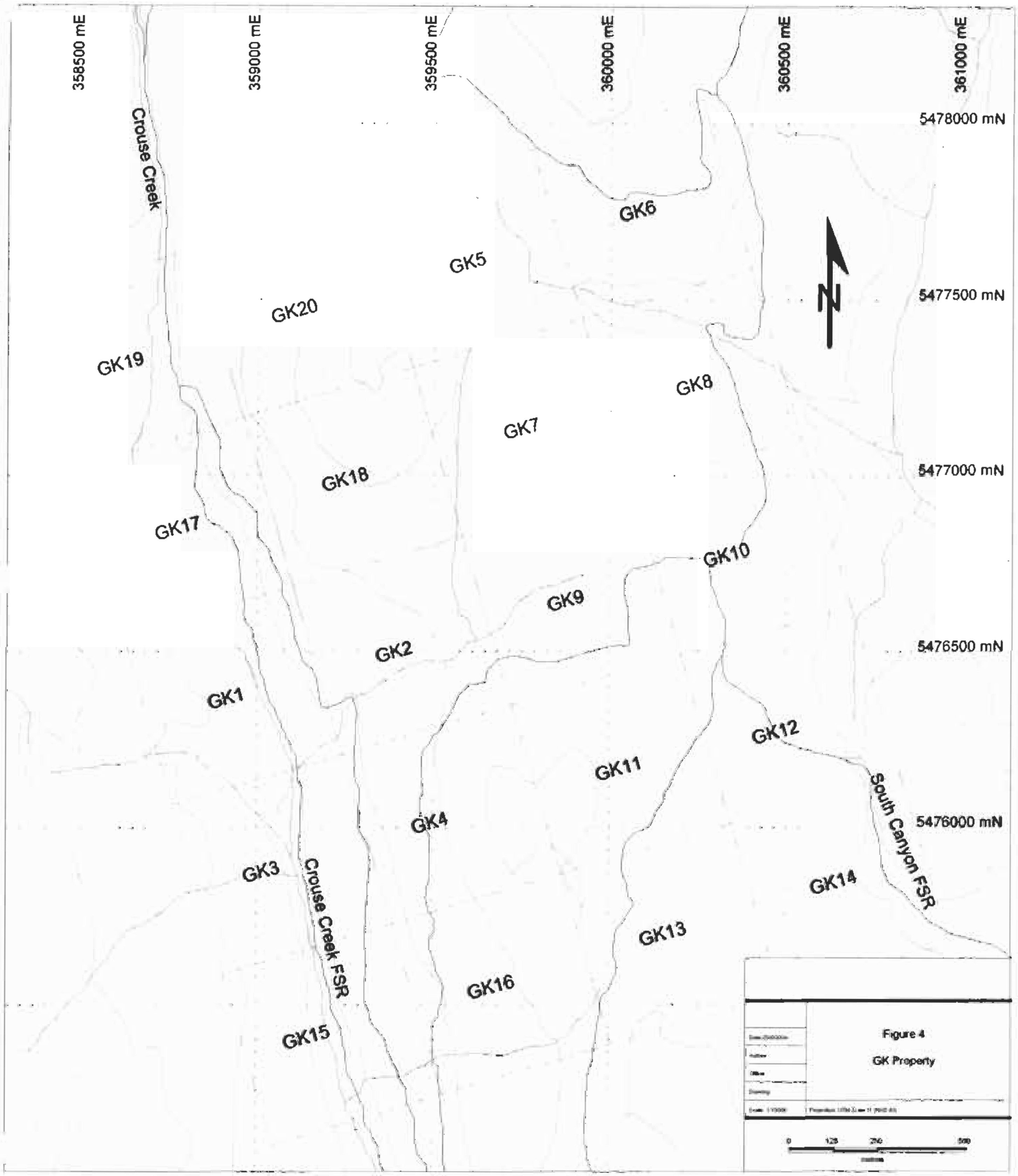


Figure 2. Location of Gut/Crouse Creek property, east of Beaverdell in south-central B.C. Note the location of significant Au deposits nearby, and the relative lack of major Au deposits north of the 'Boundary district', along the border between B.C. and Washington State. Given that the geologic setting is similar, the implication is that the area to the north is under-explored.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5476000 mN
Crouse Creek
Crouse Creek FSR
South Canyon FSR
N
GK1
GK2
GK3
GK4
GK5
GK6
GK7
GK8
GK9
GK10
GK11
GK12
GK13
GK14
GK15
GK16
GK17
GK18
GK19
GK20
Figure 4
GK Property

registered on January 27, 2003. The GK5-20 claims, contiguous with and partially surrounding the GK1-4 claims, were staked on May 27, 2003, and registered on the following day. On January 6th, 2004, the GK1-4 and GK5-20 claims were grouped and assigned a common anniversary date, which is April 29th.

Table I. List of Claims

Claim Name	Tenure No.	No. of Units	Issue Date
GK 1	399370	1	2003/01/07
GK 2	399371	1	2003/01/07
GK 3	399372	1	2003/01/07
GK 4	399373	1	2003/01/07
GK 5	402549	1	2003/05/27
GK 6	402550	1	2003/05/27
GK 7	402551	1	2003/05/27
GK 8	402552	1	2003/05/27
GK 9	402553	1	2003/05/27
GK 10	402554	1	2003/05/27
GK 11	402555	1	2003/05/27
GK 12	402556	1	2003/05/27
GK 13	402569	1	2003/05/27
GK 14	402570	1	2003/05/27
GK 15	402571	1	2003/05/27
GK 16	402572	1	2003/05/27
GK 17	402573	1	2003/05/27
GK 18	402574	1	2003/05/27
GK 19	402575	1	2003/05/27
GK 20	402576	1	2003/05/27
		20 units total	

4.0 Geologic Setting

According to the Ministry of Mines website, the GK property and surrounding area are primarily underlain by greenschist grade metamorphic rocks of the "Anarchist schist," of Late Paleozoic age, although they were assigned to the Carboniferous to Permian Anarchist Group by Tempelman-Kluit (1989), and were presumed to be of Triassic to Paleozoic age by Carr (1976). Immediately west of the GK1-20 claims, the metamorphic rocks are shown on regional geologic maps as being intruded by Cretaceous(?) granodiorite of the "Okanagan Batholith," although the contact is also shown to be largely coincident with a north-northwest striking fault that follows the course of Crouse Creek. The plutonic rocks are undifferentiated on both regional-scale (Tempelman-Kluit 1989) and property-scale (Carr 1976) maps, and for the most part they have been assigned to the Jurassic and(or) Cretaceous, although Tertiary granitoid rocks are also known to have been emplaced within the 'Okanagan Batholith' (the Coryell intrusions, Tempelman-Kluit 1989). In the immediate area of the property, age constraints for the plutonic rocks are essentially non-existent, and in fact, even for the stratified rocks, the only fossil locality nearby (to the east, in the Christian Valley), yields an Upper Triassic age, which is inconsistent with the Anarchist rocks being entirely Paleozoic in age.

Carr (1976) considered the geologic setting to be comparable to that at Beaverdell, where Tertiary Ag-Pb-Zn veins were emplaced into Cretaceous plutonic rocks near their contact with older stratified rocks. In the general area, evidence for a very active Tertiary tectonic, magmatic, and metallogenic setting is plentiful. Locally, such as several kilometres northwest of the GK1-20 claims, the Paleozoic and Mesozoic(?) stratified and granitic rocks are overlain by volcanic and sedimentary rocks of probable Tertiary age, and Christopher (1976) shows Tertiary volcanic and sedimentary rocks capping ridges on either side of Crouse Creek. Tertiary normal faults bound a volcano-sedimentary graben to the east in the Christian Valley, and ductile-brittle low-angle normal faults of the Okanagan Valley fault system bound the Okanagan Metamorphic Core Complex west of the West Kettle River, toward Penticton (Tempelman-Kluit 1989). Within the core complex, and between it and the property, much of the area is underlain by granites (*sensu lato*) and syenites of the Eocene Coryell suite, including those immediately to the west, which are thought by some to have driven the hydrothermal system responsible for deposition of ores in the Beaverdell camp. Carr (1976) noted that outcrop was sparse (less than 5%), and that locally abundant talus and glacial till (mainly on the higher ground) compromised the geochemical sampling.

No formal investigations of the geology were undertaken for the present program, although during claim-staking the author noted that stratified, weakly foliated metasedimentary and metavolcanic rocks were present on the northern part of the GK1-20 claims, and that there were a number of phases of intrusive rocks present toward the southern end of the block–the intrusive rocks were presumed to be correlative with phases of the Okanagan batholith, and are interpreted to intrude the metasedimentary and metavolcanic rocks.

5.0 Previous Work

Judging from property reports in the government records, only two limited work programs have been undertaken previously on the GK property. In fact, the exploration potential of the property derives in large part from this lack of previous work–this is particularly so considering the positive results of the limited soil geochemical and hand-trenching on the property. The first program, in the mid 1970's (Carr 1976), involved roughly five to ten days of fieldwork, and the second, in the mid 1980's (Peto 1986), involved less than a day's fieldwork (prospecting) following-up the results of the previous program. The original work, on what was known as the Gut Claim, was performed by Teck Corporation Limited in 1975 (Teck also operated the Ag-Pb-Zn mine at Beaverdell), following a reconnaissance stream sediment geochemical program and follow-up soil geochemical work in 1973 and 1974. In 1975, work consisted of geological, geochemical and geophysical (magnetometer and VLF-EM) surveys and hand trenching (four trenches, for a total of 126 metres). The soil geochemistry outlined an anomalous area of Au geochemistry about 150-200 metres across (several apparently east-west trending zones?), although the soil 'grid' was poorly defined (in essence it consists of four or five sub-parallel reconnaissance lines). Soil anomalies were tested, in part, by rock sampling of hand trenches. According to Peto (1986), the trenches appeared to be old road cuts, and in his examination, the road cuts were sloughed-in. It should be noted that the 'trenches' nearest to the highest values in the soil survey (>1000ppb) are about 50 metres distant from the core of the soil anomaly. Results of trench-sampling (42 rock samples in 3 metre intervals) were considered disappointing (Carr 1976), in spite of the fact the oxidized and highly fractured rock returned one section of 13 metres which yielding an average of 1.5 ppm Au (1.5 g/t). Host rocks in this interval were described by Carr (1976) as a pyritic dyke, with adjacent intervals described as volcaniclastic rocks. It should also be noted that arsenopyrite-bearing metavolcanic float from elsewhere on the property was not analyzed, perhaps because soil geochemistry from that area was only weakly anomalous. In addition, a smaller coincident Ag-Au soil anomaly near the north part of the property was not tested, and others remained open to the east (Carr 1976). Results of the geophysics were inconclusive, with magnetic and VLF-EM response apparently not correlating well with either rock type or interpreted orientation of mineralized zones.

6.0 Regional Geochemistry

Crouse Creek, which runs approximately north-south near the centre of the GK claims, and which drains the property, hosts two 95th percentile regional geochemical survey (RGS) Au anomalies. The Au anomalies are supported by highly anomalous (>90th percentile) Ag, Cu, Zn, and Sb values, and it is intriguing to note that there are several placer claims in good standing farther down Crouse Creek, near where it flows into the Kettle River (about 10 km south of the property–these are the only active placer claims in the area). The polymetallic nature of the stream sediment anomalies suggests that their source, which is likely to be on or close to the property, remains to be found. In general, the area is relatively arid, and is not marked by the presence of well-developed, year-round drainages. Even topographic lows on the property, such as gullies in the hillslope adjacent to the soil anomaly and trenched area, do not appear to support active water flow.

7.0 Nearby Mineral Occurrences

The most significant nearby mineral occurrences are the Ag-Pb-Zn vein systems at the Beaverdell Mine, less than 10 km to the west (now-closed, but a continuous Ag producer from the early 1900's to the late 1980's). The nearest claims to the property are over 3 km away to the east and northeast. They encompass the Montana/Fourth of July and Mayflower vein occurrences, which are polymetallic (Montana/Fourth of July are Ag-Pb-Zn±Au, MinFile occurrence 082ESE111; and the Mayflower is quartz-pyrrhotite±Au, MinFile occurrence 082ESE168). Both vein occurrences were apparently worked (but not actively mined) near the turn of the century, and they returned only local ore-grade assays (B.C. Minfile summary reports). Perusal of Assessment Report summaries suggests that more recent work on the claims has not been systematic, but does include early (around 1970) geologic mapping, as well as prospecting and limited soil geochemistry and geophysical work (VLF-EM and ground magnetics, local IP). The veins apparently intrude west and northwest trending Anarchist Group rocks that include greenstone, rhyolite, dacite, porphyrytic dacite, diabase, chert and argillite. A variety of Tertiary felspar porphyry and basic dikes are common, as are older felsic dikes apparently related to the Jurassic and(or) Cretaceous intrusions in the area. Claims covering these occurrences are in good standing, but expire in mid- to late- 2005 (B.C. Ministry of Mines website).

8.0 Mineral Potential

The fact that a significant width of Au mineralization is apparently hosted in intrusive rocks on the Gut/Crouse Creek property (Carr 1976), together with the well-developed soil geochemical anomaly and supporting downstream stream sediment anomalies, is suggestive of the potential for a significant low-grade, bulk-tonnage 'intrusive-hosted' Au deposit *(e.g.*, Tintina Gold Belt of Alaska-Yukon, *c.f.* Smith 2000). The Paleozoic (to early Mesozoic?) Anarchist Group deep water clastic and associated volcanic arc strata of the area ('eugeosynclinal' rocks) form the basement to the voluminous Mesozoic volcanic arc rocks of Quesenllia, and they most likely represent rocks of distal North American cratonic affinity. They are in a similar tectonic and magmatic setting to rocks as distant as Nevada and Alaska-Yukon, where they play host to a wide variety of precious metals deposits of varying styles. Such intrusive-related deposits have diverse styles and grades (*e.g.,* Pogo, Fort Knox), and are associated with granitic rocks of diverse compositions and textures. However, Tintina Belt deposits are commonly associated with high level, porphyritic Cretaceous granitoid rocks (in the case of Crouse Creek, the age of intrusive rocks is relatively poorly constrained), and their Proterozoic to Paleozoic metamorphic basement rocks are at least in part correlative (in terms of tectonic setting) with the Anarchist Group (the Anarchist Group is generally of lower metamorphic grade, and it is probable that some of the gneisses in the vicinity of Grand Forks, as well just east of the Christian Valley, are of Proterozoic age). In addition, the geochemical and mineralogic signature of mineralization at Crouse Creek, although not fully documented, bears strong similarities to Tintina Belt Au occurrences (Au, Ag, Sb, Zn, Pb, pyrite, arsenopyrite).

The relatively wide, low-grade interval in the Gut/Crouse Creek hand-trench may also be indicative of nearby, higher-grade mineralization. The general (but poorly constrained) east-west trend of the known soil anomaly is similar to the trends of some of the host fracture zones to veins at Beaverdell, which have northeast trends as well. Veins at Beaverdell were, in general, not hosted in Anarchist Group rocks, but within the granitic rocks intruding them. In addition, the fracture systems hosting the veins were also commonly occupied by pre-, syn-, and post-mineral dykes of intermediate to mafic composition (Christopher 1976). However, Paleozoic or early Mesozoic stratified rocks play host to many deposits and occurrences in this part of southern British Columbia and northern Washington State, including past-producing veins in the Fairview camp, Camp McKinney, and at Horn Silver (Dankoe Mines), large and very rich replacement deposits or skarns at Hedley (Nickle Plate), at the Phoenix mine near Greenwood, at Buckhorn

Mountain (formerly Crown Jewel, with a Au resource of nearly 1.5 million ounces), and in the Republic district (e.g., the Lamefoot deposit). Furthermore, the Tertiary rocks in the Republic district host several presently-producing epithermal vein and disseminated Au deposits. Total production from the Republic district totals more than 2.5 million ounces of gold and 14 million ounces of silver. The Republic graben, and the Toroda Creek graben to the west, are sub-parallel to, and in part along trend from, the graben underlying the Christian Valley, not far east of the property.

9.0 2003 Exploration Program

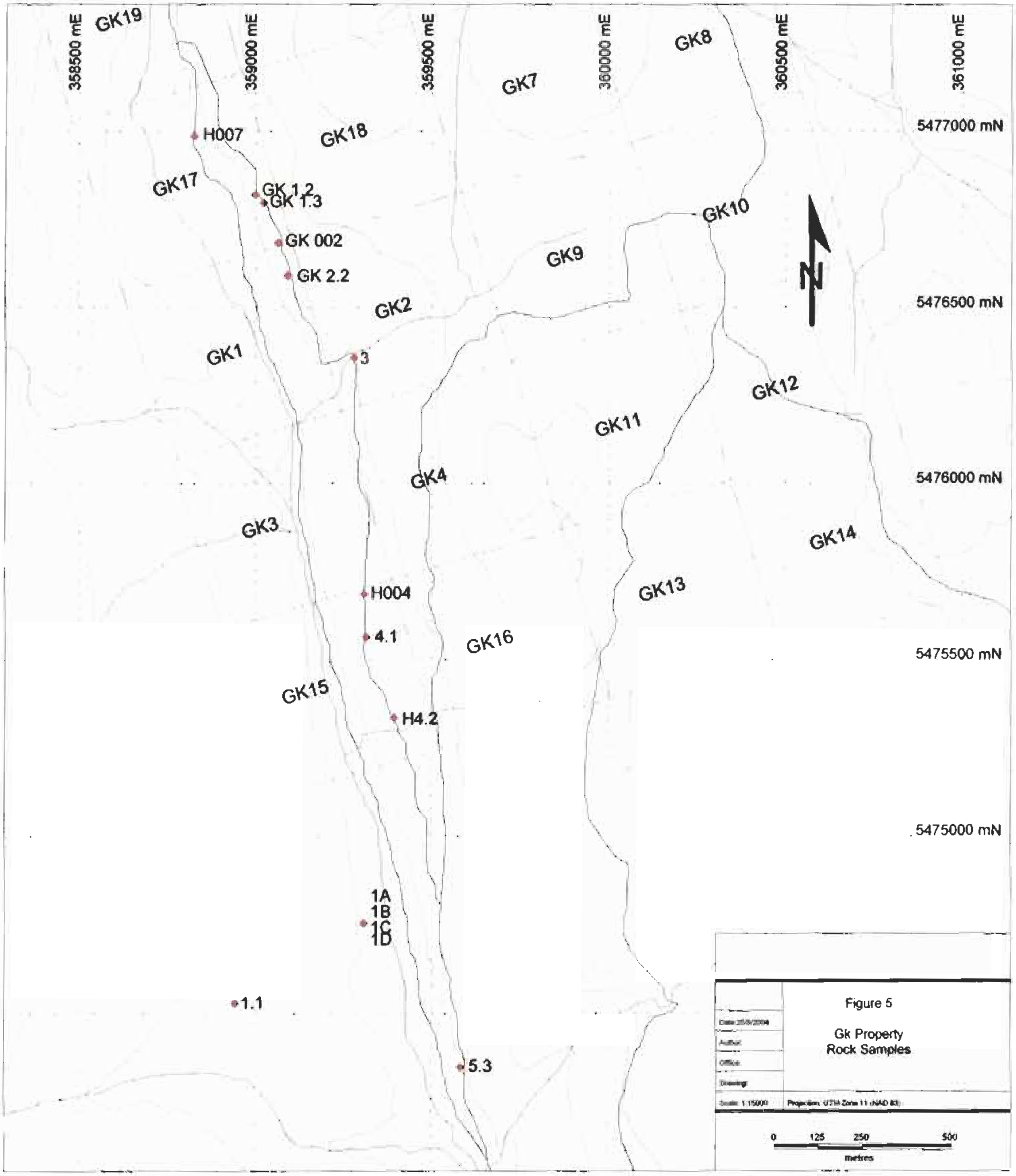
In the 2003 program, the main objective of the work was to reestablish the presence and location of the soil anomalies located by Teck in the 1970's. The approach was to run contour soil geochemical traverses, which were roughly perpendicular to grain of the previously defined soil anomalies. In this short program, the traverses were run along the roadsides, where access and sampling conditions were best and the potential could most readily be evaluated. Soil samples, one hundred and sixty-three in total (Appendix II; Plates 1-7, in back pocket), were collected in kraft paper bags, and holes were dug using a short-handled shovel. Once it was established that highly anomalous results had been returned, sixteen duplicate check samples were re-collected in the field and analyzed (see Appendix II). Remarkably, of the ten original samples which returned values greater than 50ppb (i.e., ten of the sixteen recollected samples that were considered to be significantly anomalous, with Au values in the upper 50^{th} percentile of the population), all ten yielded results within twenty percent of that of the first sample, and within ten percent of the mean of the two samples. Details of the check analyses for Au are shown in Table II below. The results demonstrate consistency among the higher grade soil samples, and confirm the potential for a bulk-tonnage precious metals deposit suggested by the 1970's geochemical work (although was difficult to directly correlate the anomalies found then with those located during the present program).

Table II. Check Soil Samples, Line 1, GK1-20 Claims

North Zone				South Zone		
Sample No.	Au (ppm)	Au (ppm) check		Sample No.	Au (ppm)	Au (ppm) check
L1 11+00S	0.343			L1 19+25S	0.177	0.196
L1 11+25S	0.312	NSS		L1 19+50S	0.136	0.155
L1 11+50S	0.100	0.100		L1 19+75S	NSS	NSS
L1 11+75S	1.005	0.987		L1 20+00S	2.730	NSS
L1 12+00S	0.297	0.359		L1 20+25S	0.329	0.301
L1 12+25S	0.289	0.325		L1 20+50S	0.287	0.281
L1 12+50S	0.054	0.047		L1 20+75S	1.665	NSS
L1 12+75S	0.642	0.569		L1 21+00S	3.290	NSS
L1 13+00S	0.098	0.077		L1 21+25S	0.230	NSS
L1 13+25S	0.151	0.133		***average***	***0.983***	
L1 13+50S	0.102	0.094				
L1 13+75S	0.065					
L1 14+00S	0.386			NSS = not sufficient sample		
L1 14+25S	0.279	NSS				
L1 14+50S	0.245	NSS				
L1 14+75S	0.274	0.200				
average	***0.290***					

The elevated Au values occur principally in two areas along the westernmost line. The northernmost of the two areas averaged 0.290 ppm Au across a 375-metre interval (16 samples @ 25 metre intervals). The second area, in the south, averaged 0.983 ppm Au across a 200-metre interval (9 samples @ 25 metre intervals), including 1.660 ppm Au across a 125-metre interval (5 samples @ 25 metre intervals). Highly anomalous Ag, As, Pb, Cu, and Zn results are coincident with the Au analyses (plates 2-7), but are, in general, somewhat more dispersed, suggesting either more ready transport of these elements within the near-surface hyrdromorphic system, or the occurrence of Au within a more widespread and possibly zoned mineralized system. Certainly, elements such as Zn can be expected to be more mobile, but it should be noted that other elements, such as Pb, which are also typically relatively immobile, also show the same broad "shoulders" or "haloes" on the areas of highly anomalous Au as do the more mobile elements. This kind of signature supports the presence of a broader and possibly zoned mineralized system, as does the fact that adjacent samples, collected at roughly the same topographic elevation, probably do not reflect sample-to-sample down-slope dispersion, although it should be noted that the orientation of the mineralized zone(s) reflected in soil geochemical results remains more or less unconstrained. Most likely, the geochemical results are a reflectance of both hydromorphic dispersion and the presence of a fairly broad mineralizing system.

Only fifteen rock samples were collected (Appendix III, fig. 5), and they were collected during parts of two days spent on the property where the focus was more on orientation and access rather than on prospecting or geology. While none of the samples yielded high Au values, several yielded anomalous Au, Ag, Cu, and Co values . These are characterized by the presence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GK 1.2
GK 1.3
GK 002
GK 2.2
3
H004
4.1
H4.2
1A
1B
1C
1D
1.1
5.3
N
Figure 5
Gk Property
Rock Samples
Scale: 1:15000
0
125
250
500
metres

of disseminated pyrite and probably chalcopyrite(?), and may represent altered tuff, sedimentary rocks, and dykes that may be wallrocks to the mineralized system.

10.0 Recommendations for Exploration

The Gut/Crouse Creek property is still at an early stage of exploration. However, the results of the 2003 soil geochemical program are very positive and the property clearly warrants further exploration. The next phase of work should initially involve additional staking, and it is recommended that the GK1-20 claims be surrounded by a large claim block. Staking should be followed by a short program of mapping and prospecting on the property-scale, and this in turn should be followed by preliminary line-cutting (baseline and tielines) and grid soil geochemical sampling, in part to better reestablish the locations of the 1970 soil anomalies and in part to determine extent and orientations of the anomalous zones identified in the 2003 work. It is recommended that this part of the program be run in conjunction with further reconnaissance silt and soil geochemical sampling, and possibly some till sampling (for heavy mineral concentrates?), in the area surrounding the property. The full extent of the soil anomalies will probably be best established by sampling the grid on cross lines on 100 metre centres, with soil samples collected every 50 metres. The orientation of the grid, and the locations of baselines and tielines should be established following the preliminary mapping. Geologic mapping should also aim to better understand the geologic controls on mineralization.

Following the establishment of the soil grid, and depending on the results, an Induced Polarization survey should be considered, as well as excavator trenching and(or) diamond drilling or percussion drilling. Alternatively, if the area of the soil anomaly can be established with certainty, a drill program could be undertaken even earlier.

11.0 References

Carr, J.M. 1976. Geological, Geochemical and Geophysical report on the Gut Claim, Greenwood Mining Division, B.C. British Columbia Department of Mines and Petroleum Resources, Assessment Report 5805, 9p, with accompanying maps.

Christopher, P. 1976. Carmi-Beaverdell Area; *In:* Geological Fieldwork, 1975, British Columbia Ministry of Mines and Petroleum Resources, Paper 1975-1, p. 27-31.

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Smith, M.T. 2000. The Tintina Gold Belt: an Emerging Gold District in Alaska and Yukon. British Columbia and Yukon Chamber of Mines, Special Volume 2, p. 1-5.

Tempelman-Kluit, D.J. 1989. Geological Map with Mineral Occurrences, Fossil Localities, Radiometric Ages, and Gravity Field for Penticton Map Area (NTS 82E), Southern British Columbia; Geological Survey of Canada, Open File 1969, 21p and 6 maps.

Appendix I. Cost Statement

Cost Statement, GK Property, 2003 Soil Geochemical Program			
Analytical Data	**Amount**	**Subtotals**	**Comments**
Geochemical analyses	$280.95		10 samples, Chemex Labs, Nov 10, 2003
Geochemical analyses	$2,814.68		115 samples; Chemex Labs, Nov 18, 2003
Geochemical analyses	$115.98		3 samples, Chemex Labs, Nov 25, 2003
Geochemical analyses	$785.44		32 samples, Chemex Labs, Dec 16, 2003
Geochemical analyses	$329.56		16 samples, Chemex Labs, Dec 30, 2003
Geochemical analyses	$205.44		15 samples, Chemex Labs, Jan 6, 2004
	$4,532.05	$4,532.05	
Labour			
J. Peter Roman	$640.00		October 27-30 (4 days at $160/day))
J. Peter Roman	$320.00		Nov 10-11 (2 days at $160/day)
J. Peter Roman	$320.00		Dec 13-14 (2 days at $160/day)
M. Roman	$200.00		Dec 13-14 (2 days at $100/day)
D. Billard, Geologist	$2,212.75		Nov 11-12 (field);Nov-Jan (43-101 report preparation)
C. Greig, Geologist	$3,671.00		7.1 days (June 20, Oct 27, Nov 1, Dec 15, 22, 28-31,
	$7,363.75	$7,363.75	Jan 1, 6-7, 19-21) at $400/day
Travel			
toll	$10.00		(Coquihalla toll October 26th)
fuel	$143.93		(Roman, October)
toll	$10.00		(Coquihalla toll Nov 10)
fuel	$200.00		(Roman, November)
fuel	$137.37		(Roman, December; truck and snowmobile)
snowmobile rental	$383.00		Dec 13-15 (snowmobile rental)
toll	$20.00		(Coquihalla toll, Dec 12, Dec 15th
truck rental	$85.00		October 27th (Greig)
fuel	$41.50		October 27th (Greig)
	$1,030.80	$1,030.80	
Accommodation			
Beaverdell	$176.35		October 26-30 (5 nights, P. Roman)
Kelowna	$328.92		Nov 10-11 (one person for two nights, one for one night)
Beaverdell	$40.00		Nov 12 (P. Roman for one night)
Beaverdell-Kelowna	$319.15		Dec 12-15 (Roman)
	$864.42	$864.42	
Meals			
	$84.27		Oct 26-30 (Roman)
	$68.46		Nov 11-13 (Roman, Billard)
	$99.36		Dec 13-15 (Roman)
	$252.09	$252.09	
Miscellaneous Expenses			
maps, including shipping	$35.85		Dec 12-15 program
digital topo maps	$632.64		Eagle Mapping
	$668.49	$668.49	
		$14,711.60	**total costs, 2003 Program**

Appendix II. Soil Sample Locations and Analytical Data

Soil Sample Locations and Analytical Data, GK Property, Bitterroot Resources Ltd.

Sample No.	UTM E	UTM N	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L1 0+00S	358807	5477200	<0.005	0.3	3.73	29	<10	90	0.8	<2	0.41	0.7	5	10	18	1.9	10	<1	0.04	10	0.17	500	1	0.03	14	1140	6	0.02	4	3	28	0.13	<10	<10	34	<10	90
L1 0+25S	358825	5477183	<0.005	0.3	3.17	21	<10	80	0.8	<2	0.42	1	12	16	86	2.94	10	<1	0.07	20	0.53	676	1	0.03	28	1120	6	0.02	2	7	61	0.13	10	<10	79	<10	131
L1 0+50S	358834	5477160	0.009	0.6	3.7	34	<10	90	0.8	<2	0.64	0.5	22	20	167	4.44	10	<1	0.11	20	0.89	1205	2	0.03	39	970	9	0.02	6	11	93	0.15	10	<10	123	<10	165
L1 0+75S	358833	5477132	<0.005	0.3	2.27	24	<10	130	0.5	<2	0.51	0.8	14	12	63	2.66	<10	2	0.11	10	0.54	2250	<1	0.02	18	940	12	0.02	2	5	71	0.09	<10	<10	67	<10	186
L1 1+00S	358835	5477113	<0.005	0.2	2.97	23	<10	90	0.6	<2	0.28	<0.5	9	8	42	1.98	10	<1	0.07	10	0.26	611	<1	0.03	15	1420	7	0.01	3	3	36	0.12	<10	<10	38	<10	107
L1 1+25S	358832	5477092	<0.005	<0.2	3.58	17	<10	110	0.8	<2	0.21	0.5	5	10	26	1.89	10	<1	0.05	10	0.21	408	<1	0.03	13	1330	5	0.02	7	4	25	0.14	<10	<10	38	<10	72
L1 1+50S	358833	5477070	0.087	<0.2	2.33	20	<10	50	0.5	<2	0.33	<0.5	13	17	69	3.21	<10	<1	0.06	20	0.7	581	<1	0.01	15	600	4	0.01	4	8	38	0.06	10	<10	93	<10	81
L1 1+75S	358834	5477049	<0.005	<0.2	1.36	7	<10	60	0.5	<2	0.35	<0.5	7	22	46	2.42	<10	<1	0.08	20	0.48	407	1	0.02	18	540	5	<0.01	4	6	35	0.09	10	<10	60	<10	64
L1 2+00S	358832	5477027	<0.005	<0.2	1.64	21	<10	80	0.5	<2	0.23	<0.5	9	20	47	2.56	<10	<1	0.08	10	0.42	289	<1	0.01	20	500	6	0.01	<2	4	29	0.1	<10	<10	64	<10	92
L1 2+25S	358830	5477005	0.039	0.7	2.58	9	<10	40	1.2	<2	0.93	<0.5	19	18	81	4.7	<10	<1	0.11	10	0.72	1075	<1	0.01	18	800	8	0.01	3	20	122	0.02	10	<10	155	<10	114
L1 2+50S	358824	5476983	0.007	0.2	2.99	25	<10	90	0.5	<2	0.74	<0.5	22	23	163	3.81	10	<1	0.05	20	0.9	580	<1	0.02	22	680	8	<0.01	6	11	116	0.11	<10	<10	107	<10	84
L1 2+75S	358826	5476961	0.005	0.4	3.49	17	<10	140	0.6	<2	0.4	<0.5	24	21	162	3.91	10	<1	0.07	20	0.65	387	<1	0.02	27	670	6	0.02	6	8	63	0.15	<10	<10	100	<10	106
L1 3+00S	358837	5476943	<0.005	<0.2	3.89	23	<10	240	0.6	<2	0.76	<0.5	20	12	59	3.35	<10	<1	0.13	10	0.59	2090	<1	0.02	21	590	7	0.02	9	5	122	0.08	<10	<10	79	<10	139
L1 3+25S	358847	5476926	0.007	0.2	2.37	14	<10	110	<0.5	<2	0.79	<0.5	14	14	81	4.51	<10	<1	0.06	20	0.32	417	<1	0.06	18	700	4	0.01	<2	18	157	0.02	<10	<10	135	<10	63
L1 3+50S	358853	5476910	<0.005	<0.2	5.03	41	<10	110	0.7	<2	0.91	0.5	17	13	77	3.04	10	<1	0.07	10	0.44	621	<1	0.02	19	1640	8	0.02	5	4	146	0.12	20	<10	76	<10	81
L1 03+75S	358855	5476892	<0.005	<0.2	2.8	12	<10	230	0.6	<2	0.23	0.5	8	10	35	2.03	10	<1	0.06	10	0.21	513	<1	0.03	16	680	6	<0.01	2	4	33	0.11	<10	<10	45	<10	82
L1 4+00S	358865	5476876	0.051	0.8	3.43	32	<10	60	0.8	<2	0.45	0.8	9	17	45	2.42	10	<1	0.06	20	0.41	300	1	0.03	20	290	9	0.01	7	5	49	0.14	<10	<10	51	<10	147
L1 4+25S	358884	5476863	<0.005	0.2	4.61	28	<10	70	1.1	<2	0.26	1	8	10	32	2.25	10	<1	0.05	10	0.24	284	<1	0.03	17	1060	7	0.02	<2	4	31	0.17	10	<10	44	<10	185
L1 4+50S	358903	5476850	0.072	0.2	2.55	19	<10	110	0.8	<2	0.61	<0.5	11	33	84	3.92	10	<1	0.05	20	0.88	469	<1	0.02	25	560	6	0.01	2	10	78	0.12	<10	<10	98	<10	130
L1 4+75S	358921	5476837	<0.005	0.2	3.35	18	<10	90	0.8	<2	0.21	<0.5	5	7	43	1.59	10	<1	0.04	10	0.19	192	<1	0.04	10	1460	6	0.01	<2	4	28	0.13	<10	<10	29	<10	43
L1 5+00S	358935	5476815	<0.005	0.3	3.06	16	<10	80	0.7	<2	0.45	1	6	10	47	1.85	10	<1	0.07	10	0.24	413	<1	0.04	15	1380	7	0.01	3	4	57	0.12	10	<10	34	<10	148
L1 5+25S	358944	5476795	0.007	0.6	2	66	<10	120	0.9	<2	0.47	5.2	12	41	91	4.16	<10	<1	0.08	20	0.95	995	3	0.01	66	580	17	0.01	7	9	34	0.05	<10	<10	100	<10	841
L1 5+50S	358951	5476769	0.061	1	3.1	46	<10	140	0.8	<2	0.55	3.9	21	13	243	3.98	<10	<1	0.09	20	0.36	690	<1	0.04	52	730	13	0.02	4	6	77	0.11	10	<10	44	<10	636
L1 5+75S	358956	5476740	0.014	0.7	2.15	72	<10	160	0.9	<2	0.46	6.8	12	39	135	4.7	<10	<1	0.11	30	0.92	1425	4	0.01	77	600	18	0.01	6	12	41	0.05	10	<10	106	<10	1020
L1 6+00S	358960	5476712	0.028	0.5	2.44	120	<10	150	1	<2	0.47	8.3	11	42	184	5.55	<10	<1	0.09	20	1.08	1405	4	0.01	86	720	12	0.02	5	12	57	0.05	<10	<10	106	10	1965
L1 6+25S	358963	5476686	0.011	0.7	2.56	84	<10	260	1	<2	0.56	3.7	14	39	168	4.74	<10	<1	0.1	20	1.3	1445	2	0.01	65	600	74	0.01	10	12	44	0.02	20	<10	121	<10	642
L1 6+50S	358965	5476659	0.006	0.6	2.64	83	<10	460	1	<2	0.44	6.4	11	39	140	4.61	<10	<1	0.1	30	0.98	1740	4	0.01	68	740	18	0.02	11	9	34	0.03	<10	<10	100	<10	1185
L1 6+75S	358969	5476633	0.02	1.2	2.74	122	<10	690	1.1	<2	0.88	4.9	16	38	180	4.75	<10	<1	0.09	30	1.14	2010	4	0.01	72	1130	29	0.01	8	11	43	0.01	<10	<10	104	<10	566
L1 7+00S	358968	5476606	NSS	0.6	2.9	508	<10	110	1.5	<2	1.07	1.3	25	34	170	5.23	10	<1	0.11	80	1.14	1095	1	0.01	30	2100	20	0.01	3	16	63	0.01	10	<10	126	<10	192
L1 7+25S	358971	5476588	0.166	1.5	2.21	154	<10	60	0.9	<2	1.95	<0.5	49	14	742	8.82	<10	<1	0.09	30	0.95	2430	15	<0.01	39	1130	12	0.18	9	12	75	<0.01	<10	<10	111	<10	91
L1 7+50S	358983	5476570	0.081	1.2	2.22	108	<10	250	0.8	<2	0.85	2.6	18	23	292	5.59	<10	<1	0.08	20	0.8	1510	2	0.02	60	1040	17	0.03	2	11	54	0.04	10	<10	90	<10	298
L1 7+75S	358992	5476552	0.022	0.7	2.37	122	<10	60	0.8	<2	0.85	4	13	17	128	5.33	<10	<1	0.1	10	0.74	1030	3	0.02	41	720	16	0.03	7	7	73	0.05	10	<10	67	10	729
L1 8+00S	358994	5476534	0.087	3.1	3.99	118	10	70	1.2	<2	1.22	2.8	46	17	309	10.2	<10	<1	0.07	20	0.66	2800	3	0.02	90	1560	22	0.12	8	12	137	0.07	<10	<10	78	<10	418
L1 8+25S	359002	5476517	0.02	1.1	4.86	50	<10	40	1.4	<2	1.8	<0.5	36	14	106	5.97	10	<1	0.12	20	0.55	1770	5	0.02	14	1860	36	0.08	12	7	205	0.09	<10	<10	70	<10	98
L1 8+50S	359005	5476500	0.02	0.9	3.23	59	<10	70	0.9	<2	1.41	0.8	25	18	106	6.86	10	<1	0.08	20	0.8	1815	2	0.03	22	2150	23	0.07	4	7	145	0.09	<10	<10	77	<10	182
L1 8+75S	359009	5476482	0.069	2.1	3.71	25	<10	50	0.8	<2	0.57	<0.5	8	4	33	2.34	10	<1	0.06	10	0.26	234	<1	0.05	9	350	8	0.01	4	5	58	0.12	<10	<10	25	<10	52
L1 9+00S	359011	5476465	0.021	0.8	2.57	74	<10	100	0.7	<2	1.52	3.9	22	24	67	4.83	10	<1	0.16	20	0.76	1700	2	0.02	27	2010	29	0.06	3	6	146	0.06	<10	<10	63	<10	476
L1 9+25S	359015	5476446	0.046	1.7	2.11	81	<10	80	0.7	<2	1.38	4.8	18	16	97	5.06	10	<1	0.12	10	0.65	1315	1	0.02	40	1160	39	0.05	4	7	86	0.04	<10	<10	55	<10	558
L1 9+50S	359024	5476423	0.029	1.2	2.23	80	<10	90	0.7	<2	1.28	5.9	18	23	98	5.42	10	<1	0.11	10	0.93	1525	3	0.02	42	1600	32	0.05	4	8	90	0.06	<10	<10	71	<10	593
L1 9+75S	359028	5476404	0.035	1.9	1.94	248	10	100	0.9	<2	1.06	9.1	20	31	159	6.16	10	<1	0.05	20	0.93	1665	2	0.02	82	1000	29	0.05	3	11	69	0.06	<10	<10	84	<10	1160
L1 10+00S	359034	5476382	0.032	1.5	2.08	244	<10	120	0.9	<2	1.37	6.8	28	24	140	5.84	10	<1	0.08	20	0.94	2760	2	0.02	59	1700	32	0.09	3	8	106	0.05	<10	<10	80	<10	566
L1 10+25S	359043	5476355	0.02	0.7	2.57	86	<10	120	0.6	<2	0.71	1.9	12	11	40	2.87	10	<1	0.06	10	0.29	1025	<1	0.03	28	1020	11	0.03	2	5	45	0.08	<10	<10	39	<10	308
L1 10+50S	359059	5476331	0.027	1	2.17	101	<10	100	0.6	<2	0.64	8	16	14	114	3.9	10	<1	0.04	10	0.31	1310	1	0.03	59	1270	17	0.05	3	5	43	0.08	<10	<10	44	<10	848
L1 10+75S	359072	5476302	0.031	1.6	2.62	132	<10	170	0.7	<2	0.61	5.7	16	25	142	3.78	10	<1	0.06	10	0.67	974	2	0.04	78	640	18	0.03	2	7	30	0.11	<10	<10	56	<10	771
L1 11+00S	359076	5476285	0.343	0.3	3.38	356	<10	80	0.6	<2	1.48	0.5	19	9	168	3.55	10	<1	0.15	10	0.69	1190	1	0.02	13	1180	20	0.04	4	5	102	0.04	<10	<10	66	<10	148

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Sample No.	UTM E	UTM N	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L1 11+25S	359085	5476271	0.312	1.6	4.06	706	<10	80	1.1	<2	1.74	<0.5	57	21	499	6.55	20	<1	0.1	30	1.04	1985	3	0.02	37	1180	16	0.05	3	16	112	0.06	<10	<10	136	<10	148
L1 11+25S	359085	5476271	NSS	2.6	4.81	784	10	80	1.2	<2	1.92	<0.5	61	22	558	6.75	10	<1	0.11	40	1.08	2030	3	0.02	37	1280	15	0.06	<2	20	135	0.07	<10	<10	150	<10	148
L1 11+50S	359088	5476255	0.1	1.1	3.81	190	<10	110	1.2	<2	0.71	1.1	19	38	318	4.92	20	<1	0.09	40	1.04	1275	3	0.03	26	1040	81	0.03	6	12	127	0.1	<10	<10	84	<10	268
L1 11+50S	359088	5476255	0.1	1.4	4.4	210	<10	110	1.3	<2	0.74	1	20	40	355	5.04	10	<1	0.09	40	1.06	1215	1	0.03	29	1150	89	0.05	<2	14	143	0.12	<10	<10	89	<10	278
L1 11+75S	359101	5476233	1.005	3	3.77	1250	<10	90	1.5	3	1.28	1.7	47	26	987	9.67	10	<1	0.1	20	1.22	2510	12	0.02	122	1020	181	0.07	6	13	128	0.02	<10	<10	106	<10	479
L1 11+75S	359101	5476233	0.987	4.5	4.4	1375	<10	90	1.5	2	1.38	2.3	47	28	1095	9.84	10	2	0.11	20	1.24	2500	8	0.02	124	1160	190	0.09	5	15	148	0.02	<10	<10	115	<10	506
L1 12+00S	359110	5476215	0.297	0.7	2.15	343	<10	110	0.7	<2	1.3	2.7	31	29	295	5.52	10	<1	0.08	20	0.86	1660	5	0.02	64	1300	56	0.08	5	6	99	0.05	<10	<10	82	<10	494
L1 12+00S	359110	5476215	0.359	1.3	2.47	381	10	110	0.8	<2	1.42	2.9	32	30	322	5.54	10	1	0.09	20	0.85	1725	3	0.02	67	1400	60	0.09	<2	7	114	0.06	<10	<10	86	<10	527
L1 12+25S	359120	5476193	0.289	1.9	1.94	242	<10	40	0.7	<2	1.07	0.8	18	22	374	5.3	10	<1	0.07	20	0.83	809	6	0.01	89	1340	17	0.02	2	9	112	0.04	<10	<10	91	<10	96
L1 12+25S	359120	5476193	0.325	2.4	2.28	260	<10	40	0.7	<2	1.13	0.6	19	23	401	5.47	10	<1	0.08	20	0.89	866	5	0.01	87	1520	21	0.03	<2	10	130	0.05	<10	<10	97	<10	96
L1 12+50S	359125	5476164	0.054	0.6	2.54	133	<10	60	0.8	<2	0.85	0.5	22	30	222	4.29	10	<1	0.07	20	0.66	1325	4	0.03	85	1930	22	0.04	4	7	96	0.1	<10	<10	78	<10	126
L1 12+50S	359125	5476164	0.047	1	2.77	140	<10	60	0.9	<2	0.86	<0.5	23	30	229	4.15	10	1	0.08	20	0.66	1280	3	0.03	79	2070	20	0.04	<2	8	106	0.12	<10	<10	80	<10	120
L1 12+75S	359124	5476134	0.642	1	2.39	364	<10	40	0.9	2	0.72	0.9	20	32	592	8.13	10	<1	0.07	10	0.84	1110	5	0.01	130	880	18	0.04	3	10	71	0.06	<10	<10	93	<10	126
L1 12+75S	359124	5476134	0.569	1.9	2.84	398	<10	50	0.9	<2	0.81	<0.5	22	34	675	8.65	10	1	0.08	10	0.9	1125	6	0.01	132	930	23	0.04	<2	12	79	0.07	<10	<10	102	<10	143
L1 13+00S	359138	5476103	0.098	1.4	1.88	77	<10	40	<0.5	<2	0.35	<0.5	7	8	132	1.64	<10	<1	0.03	10	0.17	157	1	0.05	64	1180	6	0.01	2	3	24	0.07	<10	<10	21	<10	43
L1 13+00S	359138	5476103	0.077	1.7	2.06	79	<10	40	0.5	<2	0.36	<0.5	8	8	134	1.66	<10	<1	0.04	10	0.17	156	<1	0.04	62	1240	4	<0.01	<2	3	27	0.09	<10	<10	23	<10	41
L1 13+25S	359133	5476067	0.151	0.7	2	101	<10	60	0.6	<2	0.66	<0.5	11	19	175	3.46	10	<1	0.08	10	0.49	1015	2	0.03	73	1740	10	0.02	5	5	59	0.06	<10	<10	54	<10	116
L1 13+25S	359133	5476067	0.133	0.9	2.21	111	<10	50	0.6	<2	0.67	<0.5	11	20	180	3.5	10	<1	0.08	10	0.5	1020	1	0.03	74	1830	15	0.01	<2	6	63	0.07	<10	<10	57	<10	118
L1 13+50S	359130	5476035	0.102	0.8	1.75	150	<10	100	0.6	<2	1.14	1.8	14	25	257	3.34	10	<1	0.07	10	0.59	1350	2	0.02	69	1510	16	0.06	<2	5	69	0.05	<10	<10	59	<10	168
L1 13+50S	359130	5476035	0.094	1.2	2.05	160	<10	100	0.7	<2	1.25	1.5	14	26	275	3.52	10	1	0.08	10	0.62	1395	1	0.02	70	1720	19	0.05	<2	6	78	0.06	<10	<10	65	<10	177
L1 13+75S	359130	5475998	0.065	1.1	1.92	80	<10	50	0.5	<2	0.38	<0.5	6	11	177	1.64	<10	<1	0.05	10	0.19	378	<1	0.04	65	1970	8	0.02	<2	3	36	0.07	<10	<10	25	<10	76
L1 14+00S	359128	5475965	0.386	0.5	1.57	76	<10	40	0.5	<2	0.64	0.7	13	27	224	3.89	10	<1	0.09	10	0.71	924	1	0.02	61	960	12	0.01	2	6	54	0.05	<10	<10	78	<10	80
L1 14+25S	359127	5475932	0.279	2.1	1.88	150	<10	40	0.8	3	0.81	0.9	19	37	781	6.59	10	<1	0.08	10	0.91	1550	2	0.02	130	1080	15	0.04	2	8	53	0.06	<10	<10	98	<10	92
L1 14+50S	359131	5475903	0.245	0.8	2.65	121	<10	80	0.8	3	0.82	1.3	16	15	329	4.94	10	<1	0.15	20	0.79	883	1	0.02	18	1260	20	0.04	2	6	86	0.03	<10	<10	59	<10	156
L1 14+75S	359138	5475873	0.274	1.3	2.68	184	<10	40	0.7	5	0.82	1.1	18	16	434	5.56	10	<1	0.13	20	0.79	489	1	0.02	13	900	27	0.06	2	6	97	0.04	<10	<10	62	<10	122
L1 15+00S	359122	5475860	0.014	0.7	2.75	25	<10	70	0.7	2	0.4	<0.5	7	13	41	1.97	10	<1	0.08	20	0.29	315	<1	0.03	12	1900	9	0.02	<2	4	48	0.11	<10	<10	31	<10	115
L1 15+25S	359145	5475842	0.067	0.8	3.12	45	<10	60	0.9	3	1.06	1.1	17	36	191	5.98	10	<1	0.11	30	1.2	521	1	0.02	21	1620	50	0.04	<2	11	134	0.05	<10	<10	97	<10	223
L1 15+50S	359150	5475824	0.067	0.6	2.39	68	<10	40	0.7	<2	1.06	2.4	15	28	160	4.55	10	<1	0.12	30	1.16	847	1	0.03	18	1680	44	0.03	<2	8	108	0.07	<10	<10	83	<10	238
L1 15+75S	359152	5475806	0.027	0.6	2.8	40	<10	80	0.7	2	0.6	2.2	12	21	142	4.11	10	<1	0.12	20	0.76	528	1	0.02	22	790	36	0.02	<2	8	61	0.07	<10	<10	68	<10	582
L1 16+00S	359156	5475790	0.034	0.6	2.51	50	<10	50	0.7	3	0.73	2.4	12	18	143	4.26	10	<1	0.09	20	1.06	732	1	0.02	12	1020	58	0.02	2	10	65	0.05	<10	<10	76	<10	336
L1 16+25S	359158	5475772	0.044	0.7	2.78	76	<10	110	0.6	3	0.5	1.8	8	10	100	3.32	10	<1	0.11	10	0.69	385	1	0.03	11	650	58	0.01	<2	7	73	0.06	<10	<10	51	<10	336
L1 16+50S	359162	5475753	0.015	0.5	2.35	34	<10	80	0.5	2	0.44	1.2	11	15	128	3.4	10	<1	0.13	10	0.55	489	1	0.02	12	670	31	0.02	2	5	48	0.09	<10	<10	55	<10	197
L1 16+75S	359165	5475734	0.053	0.6	2.14	68	<10	50	0.5	<2	0.8	1.9	12	15	232	4.5	10	<1	0.13	20	0.71	641	1	0.03	12	790	34	0.01	<2	7	80	0.05	<10	<10	76	<10	239
L1 17+00S	359169	5475715	0.029	0.6	2.79	13	<10	290	0.5	<2	0.32	0.5	6	7	94	2.14	10	<1	0.13	10	0.27	229	1	0.04	9	430	10	0.02	2	4	69	0.09	<10	<10	34	<10	82
L1 17+25S	359169	5475696	0.017	0.5	1.8	23	<10	180	0.6	<2	0.45	0.8	10	12	88	3.43	10	<1	0.13	20	0.43	613	1	0.02	9	750	10	0.02	<2	6	43	0.05	<10	<10	63	<10	112
L1 17+50S	359172	5475679	0.035	0.6	2.61	25	<10	170	0.7	<2	0.65	<0.5	11	19	54	3.03	10	<1	0.1	10	0.68	823	1	0.03	12	1280	12	0.02	<2	6	83	0.1	<10	<10	62	<10	109
L1 17+75S	359174	5475661	0.023	0.6	3.19	35	<10	110	0.8	<2	0.9	0.5	12	19	80	3.53	10	<1	0.13	20	0.82	863	1	0.03	13	1690	14	0.03	2	7	111	0.12	<10	<10	71	<10	119
L1 18+00S	359182	5475644	NSS	0.6	3.52	58	<10	80	0.9	<2	1.1	<0.5	13	20	112	4.1	10	<1	0.13	20	0.93	725	1	0.03	14	1000	12	0.02	<2	9	136	0.14	<10	<10	92	<10	86
L1 18+25S	359191	5475624	0.147	2.1	5.63	248	<10	110	0.7	<2	2.85	0.9	67	14	1050	8.36	10	<1	0.13	10	1.1	1710	9	0.03	41	1120	12	0.06	2	17	579	0.08	<10	<10	190	<10	92
L1 18+50S	359198	5475598	0.063	1.1	5.16	100	<10	60	0.8	<2	2	0.6	28	25	398	6.78	10	1	0.11	20	1.76	872	2	0.03	31	960	12	0.04	<2	19	270	0.11	<10	<10	180	<10	94
L1 18+75S	359204	5475566	0.008	0.4	2.91	48	<10	80	0.7	2	0.62	0.6	12	18	120	3.01	10	<1	0.1	10	0.64	564	1	0.03	18	1180	14	0.03	<2	6	63	0.12	<10	<10	73	<10	94
L1 19+00S	359211	5475534	0.008	0.4	2.66	57	<10	80	0.7	<2	0.46	<0.5	11	14	120	2.33	10	<1	0.08	10	0.42	454	1	0.03	21	1140	7	0.03	<2	5	58	0.1	<10	<10	49	<10	63
L1 19+25S	359216	5475510	0.177	0.6	2.87	88	<10	110	0.6	2	0.51	0.5	12	15	158	3.02	10	<1	0.08	10	0.56	379	1	0.04	29	640	11	0.03	<2	6	77	0.1	<10	<10	62	<10	80
L1 19+50S	359221	5475487	0.136	0.6	2.61	79	<10	80	0.7	2	0.81	0.7	15	20	146	3.6	10	<1	0.09	20	0.78	827	1	0.03	28	1120	15	0.04	2	8	88	0.09	<10	<10	81	<10	110
L1 19+75S	359226	5475464	NSS	0.6	2.68	116	<10	70	0.7	4	0.96	0.8	19	24	106	3.45	10	<1	0.07	10	0.92	1430	1	0.03	45	1280	10	0.04	<2	9	74	0.08	<10	<10	91	<10	98

Soil Sample Locations and Analytical Data, GK Property, Bitterroot Resources Ltd.

Sample No.	UTM E	UTM N	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L1 20+00S	359241	5475442	2.73	2	2.07	250	<10	60	0.6	14	0.71	0.9	25	21	204	3.5	10	<1	0.09	10	0.63	854	1	0.03	59	1360	18	0.04	2	7	59	0.08	<10	<10	74	<10	121
L1 20+25S	359249	5475419	0.329	1.2	2.09	180	<10	80	0.6	3	0.67	2	25	18	457	4.74	10	<1	0.08	20	0.66	833	5	0.03	27	920	51	0.03	<2	6	56	0.06	<10	<10	70	<10	280
L1 20+50S	359252	5475396	0.287	0.7	2.16	207	<10	70	0.7	4	0.46	1.3	18	19	192	3.96	10	<1	0.08	10	0.43	520	1	0.03	22	1640	25	0.03	<2	5	58	0.09	<10	<10	59	<10	181
L1 20+75S	359259	5475369	1.665	3.2	2.16	2130	<10	70	1	5	0.84	3.3	66	31	906	11.5	<10	<1	0.09	10	0.6	1865	6	0.03	70	1720	188	0.11	4	9	70	0.08	<10	<10	112	<10	511
L1 21+00S	359260	5475344	3.29	5.6	1.36	3220	<10	70	0.7	21	0.93	10.2	44	43	933	14.9	<10	1	0.08	10	0.47	1655	5	0.02	39	3100	132	0.21	4	7	84	0.07	<10	<10	101	<10	978
L1 21+25S	359261	5475324	0.23	2.5	2.94	247	<10	80	1	4	0.83	1.5	20	38	623	8.32	10	<1	0.08	30	0.81	1125	3	0.03	45	1460	53	0.06	2	10	77	0.08	<10	<10	108	<10	275
L1 21+50S	359271	5475305	0.06	0.5	2.17	196	<10	90	0.7	3	0.43	0.6	15	25	216	4.98	10	<1	0.08	20	0.65	564	2	0.02	19	860	21	0.03	<2	7	49	0.06	<10	<10	93	<10	118
L1 21+75S	359280	5475285	0.022	0.6	2.87	52	<10	80	1.3	<2	0.76	0.5	18	45	53	5.15	10	<1	0.07	70	1.43	715	1	0.02	19	1780	25	0.03	3	11	76	0.04	<10	<10	122	<10	116
L1 22+00S	359290	5475266	0.087	0.5	2.58	83	<10	40	0.5	<2	0.87	1.5	18	14	210	4.35	10	<1	0.1	20	0.91	839	1	0.03	9	870	14	0.02	3	7	79	0.04	<10	<10	84	<10	181
L2 0+00S	359042	5476767	0.02	1	2.48	41	<10	70	0.6	<2	1.15	2.2	22	16	180	3.92	10	<1	0.09	10	0.48	831	<1	0.04	49	1750	18	0.04	3	4	106	0.1	<10	<10	53	<10	308
L2 0+25S	359047	5476750	0.015	0.7	2.29	40	<10	70	<0.5	<2	0.54	1	17	10	140	2.59	10	<1	0.07	10	0.29	441	1	0.04	49	1120	9	0.02	3	3	65	0.08	<10	<10	33	<10	213
L2 0+50S	359060	5476733	0.015	0.5	2.39	44	<10	70	0.5	<2	0.85	1.5	22	16	167	3.85	10	<1	0.11	10	0.51	832	1	0.03	46	1550	12	0.03	4	5	86	0.08	<10	<10	58	<10	232
L2 0+50S	359060	5476733	0.017	0.7	2.57	45	<10	70	0.6	<2	0.87	1.4	23	17	170	3.86	10	<1	0.11	10	0.51	811	<1	0.03	45	1650	13	0.01	<2	5	89	0.1	<10	<10	60	<10	230
L2 0+75S	359067	5476716	0.013	0.3	2.48	41	<10	90	0.6	<2	0.3	<0.5	11	19	53	2.8	10	<1	0.06	10	0.45	567	1	0.02	26	630	12	0.01	2	6	42	0.08	<10	<10	56	<10	102
L2 0+75S	359067	5476716	0.026	0.4	2.75	46	<10	80	0.7	<2	0.31	<0.5	12	20	57	2.86	10	<1	0.06	20	0.47	557	1	0.02	27	670	11	<0.01	<2	6	46	0.09	<10	<10	61	<10	102
L2 1+00S	359077	5476691	0.023	0.4	2.1	32	<10	70	0.5	<2	0.31	1	8	21	66	2.74	10	<1	0.08	10	0.5	277	2	0.01	27	410	7	0.01	2	6	39	0.08	<10	<10	62	<10	435
L2 1+00S	359077	5476691	0.053	0.8	2.36	33	<10	70	0.6	<2	0.32	0.5	9	22	68	2.82	10	<1	0.08	10	0.51	273	1	0.01	29	430	9	<0.01	<2	6	43	0.1	<10	<10	65	<10	443
L2 1+25S	359080	5476669	0.015	0.4	2.66	39	<10	140	0.7	<2	0.5	0.9	10	9	34	3.05	10	<1	0.09	10	0.36	942	1	0.02	14	880	13	0.01	4	4	53	0.06	<10	<10	42	<10	216
L2 1+25S	359080	5476669	0.021	0.6	2.91	40	<10	130	0.8	<2	0.52	1.2	11	9	35	3.09	10	2	0.1	10	0.37	947	<1	0.02	13	960	15	<0.01	<2	5	56	0.07	<10	<10	45	<10	221
L2 1+50S	359089	5476641	<0.005	0.3	2.61	40	<10	90	0.7	<2	0.72	<0.5	10	12	27	3.7	10	<1	0.12	20	0.52	598	1	0.02	10	510	8	0.01	3	7	91	0.05	<10	<10	55	<10	83
L2 1+50S	359089	5476641	<0.005	0.6	2.88	41	<10	80	0.7	<2	0.74	<0.5	8	12	28	3.75	10	<1	0.13	20	0.51	572	<1	0.02	11	560	10	<0.01	<2	7	96	0.06	<10	<10	58	<10	79
L2 1+75S	359100	5476610	0.005	0.3	3.28	19	<10	220	0.8	<2	0.31	<0.5	8	11	29	2.64	10	<1	0.12	10	0.33	323	1	0.02	11	770	7	0.01	2	4	53	0.11	<10	<10	44	<10	74
L2 1+75S	359100	5476610	<0.005	0.5	3.49	21	10	200	0.8	<2	0.31	<0.5	8	11	29	2.59	10	1	0.12	10	0.33	315	<1	0.02	11	800	9	<0.01	<2	5	55	0.13	<10	<10	46	<10	72
L2 2+00S	359106	5476580	<0.005	<0.2	2.47	10	<10	100	0.5	<2	0.37	<0.5	8	17	35	2.64	10	<1	0.06	20	0.47	263	1	0.01	13	640	9	0.01	4	4	65	0.08	<10	<10	55	<10	64
L2 2+25S	359111	5476557	<0.005	0.2	2	19	<10	130	<0.5	<2	0.37	<0.5	8	15	33	2.71	10	<1	0.14	10	0.43	540	1	0.02	12	520	11	0.01	2	4	43	0.06	<10	<10	52	<10	90
L2 2+50S	359115	5476536	<0.005	0.2	1.28	7	<10	50	<0.5	<2	0.33	<0.5	6	18	30	2.22	10	<1	0.06	20	0.39	231	1	0.01	12	360	5	<0.01	2	5	35	0.08	<10	<10	53	<10	66
L2 2+75S	359121	5476517	<0.005	0.3	2.8	24	<10	120	0.7	<2	0.38	0.5	10	24	18	3.12	10	<1	0.11	30	0.54	737	2	0.02	14	1250	12	0.01	3	4	61	0.06	<10	<10	57	<10	178
L2 3+00S	359128	5476498	<0.005	0.3	2.65	15	<10	190	0.5	<2	0.4	0.6	10	16	20	2.54	10	<1	0.09	10	0.41	640	1	0.02	14	760	10	0.01	3	3	47	0.1	<10	<10	50	<10	137
L2 3+25S	359132	5476485	0.006	0.2	2.64	23	<10	130	0.5	<2	0.38	<0.5	9	12	21	2.98	10	<1	0.09	10	0.42	417	1	0.01	9	480	7	0.01	3	3	62	0.05	<10	<10	49	<10	88
L2 3+50S	359135	5476473	<0.005	0.2	2.69	16	<10	120	0.6	<2	0.31	<0.5	10	17	32	2.98	10	<1	0.08	20	0.46	418	1	0.02	14	820	13	0.01	3	4	49	0.09	<10	<10	55	<10	113
L2 3+75S	359145	5476461	<0.005	0.3	2.36	18	<10	160	0.5	<2	0.3	0.5	9	14	30	2.37	10	<1	0.08	10	0.34	863	1	0.02	13	1220	15	0.01	5	4	42	0.09	<10	<10	45	<10	144
L2 4+00S	359157	5476452	<0.005	0.2	1.76	39	<10	80	<0.5	<2	0.39	0.6	10	23	69	3	10	<1	0.09	20	0.59	540	2	0.02	18	650	9	0.01	3	6	41	0.08	<10	<10	72	<10	142
L2 4+25S	359166	5476437	0.008	0.3	2.38	28	<10	120	0.5	<2	0.29	<0.5	9	17	39	2.56	10	<1	0.07	10	0.39	471	1	0.02	14	780	11	0.01	3	5	36	0.09	<10	<10	52	<10	124
L2 4+50S	359173	5476425	<0.005	0.3	2.4	22	<10	120	0.5	<2	0.28	<0.5	9	15	31	2.54	10	<1	0.06	10	0.37	539	1	0.02	13	870	7	0.01	2	4	37	0.09	<10	<10	49	<10	130
L2 4+75S	359177	5476411	0.006	0.4	2.75	128	<10	130	0.7	<2	0.3	1.5	10	14	59	3.24	10	<1	0.07	10	0.43	964	3	0.02	17	1040	61	0.02	3	4	34	0.08	<10	<10	49	<10	245
L2 5+00S	359177	5476397	0.021	0.6	2.49	116	<10	90	0.6	<2	0.27	3	14	24	103	4.04	10	<1	0.05	10	0.49	1505	1	0.02	60	1000	41	0.03	2	7	24	0.09	<10	<10	55	<10	483
L2 5+25S	359178	5476385	<0.005	0.6	2.09	30	<10	80	<0.5	<2	0.31	3.9	7	21	77	3.41	10	<1	0.05	10	0.34	458	2	0.02	34	560	11	0.01	<2	6	28	0.1	<10	<10	50	<10	986
L2 5+50S	359181	5476370	0.008	0.7	2.02	51	<10	130	0.5	<2	0.24	6.2	15	13	122	3.07	10	<1	0.04	10	0.24	1425	2	0.02	37	830	16	0.03	4	3	15	0.09	<10	<10	34	<10	874
L2 5+75S	359183	5476357	<0.005	0.4	2.68	50	<10	130	0.6	<2	0.36	2.3	13	16	64	3.34	10	<1	0.07	10	0.42	1070	2	0.02	25	1100	25	0.02	7	5	35	0.1	<10	<10	50	<10	347
L2 6+00S	359193	5476343	0.007	0.4	3.36	36	<10	150	0.8	<2	0.21	0.9	8	15	40	2.53	10	<1	0.07	10	0.36	284	2	0.02	15	1500	18	0.01	2	4	28	0.12	<10	<10	50	<10	196
L2 6+25S	359213	5476344	0.005	0.2	1.91	40	<10	70	0.5	<2	0.32	<0.5	10	19	48	2.81	10	<1	0.09	20	0.45	443	1	0.02	15	720	10	0.01	4	5	36	0.08	<10	<10	60	<10	135
L2 6+50S	359233	5476352	<0.005	0.3	2.05	37	<10	100	0.5	<2	0.32	<0.5	10	19	42	2.85	10	<1	0.09	10	0.42	517	3	0.02	16	990	8	0.01	5	5	37	0.09	<10	<10	63	<10	118
L2 6+75S	359251	5476363	<0.005	0.2	2.26	30	<10	140	0.5	<2	0.37	<0.5	9	16	30	2.42	10	<1	0.1	10	0.34	649	1	0.02	16	910	11	0.01	2	3	34	0.09	<10	<10	49	<10	112
L2 7+00S	359273	5476370	0.007	<0.2	1.54	20	<10	210	<0.5	<2	0.34	<0.5	6	12	18	1.94	10	<1	0.08	10	0.24	553	1	0.02	17	880	10	0.01	3	2	32	0.06	<10	<10	39	<10	132

Soil Sample Locations and Analytical Data, GK Property, Bitterroot Resources Ltd.

Sample No.	UTM E	UTM N	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L3 0+00S	359301	5476721	0.008	0.4	1.93	38	<10	50	0.5	<2	0.65	<0.5	8	15	48	2.26	10	<1	0.09	20	0.26	744	1	0.02	16	320	12	0.02	2	4	38	0.07	<10	<10	45	<10	68
L3 0+25S	359319	5476706	<0.005	0.4	2.72	30	<10	200	0.5	<2	0.23	<0.5	7	11	29	1.96	10	<1	0.06	10	0.21	328	2	0.02	17	910	8	0.01	4	3	26	0.1	<10	<10	36	<10	111
L3 0+50S	359332	5476694	<0.005	0.2	2.55	39	<10	210	<0.5	<2	0.29	<0.5	9	13	27	2.02	10	<1	0.11	10	0.29	417	<1	0.02	20	400	5	0.01	3	3	37	0.09	<10	<10	37	<10	82
L3 0+75S	359341	5476680	<0.005	0.2	2.1	45	<10	170	<0.5	<2	0.28	<0.5	13	14	33	2.3	10	<1	0.1	10	0.31	1575	2	0.01	17	540	20	0.01	2	3	38	0.08	<10	<10	47	<10	92
L3 1+00S	359350	5476668	<0.005	0.2	2.29	31	<10	130	<0.5	<2	0.28	<0.5	9	17	42	2.39	10	<1	0.07	10	0.41	277	2	0.01	17	470	2	0.01	3	3	37	0.09	<10	<10	54	<10	77
L3 1+25S	359364	5476658	0.023	0.2	2.48	283	<10	100	<0.5	<2	0.42	<0.5	25	17	102	3.69	10	<1	0.12	10	0.36	563	3	0.02	59	550	4	0.02	3	4	36	0.08	<10	<10	51	<10	126
L3 1+50S	359381	5476652	<0.005	0.2	2.21	43	<10	90	<0.5	<2	0.29	<0.5	9	16	31	2.25	10	<1	0.07	10	0.37	493	2	0.01	16	330	16	0.01	3	3	32	0.09	<10	<10	50	<10	99
L3 1+75S	359400	5476647	<0.005	0.2	1.71	45	<10	100	<0.5	<2	0.4	<0.5	7	13	31	2.38	10	<1	0.08	10	0.25	1020	1	0.02	20	560	9	0.02	3	2	42	0.07	<10	<10	36	<10	141
L3 2+00S	359415	5476642	<0.005	0.2	2.48	30	<10	110	0.5	<2	0.2	<0.5	9	13	48	2.15	10	<1	0.11	10	0.3	221	1	0.02	20	1240	8	0.01	3	3	28	0.1	<10	<10	43	<10	71
L3 2+25S	359426	5476636	<0.005	0.2	2.55	24	<10	140	<0.5	<2	0.35	<0.5	10	14	44	2.58	10	<1	0.12	10	0.27	646	2	0.02	45	550	9	0.01	3	3	36	0.08	<10	<10	37	<10	138
L3 2+50S	359441	5476630	0.005	0.4	2.71	30	<10	70	<0.5	<2	0.37	<0.5	9	11	101	3.54	10	<1	0.1	10	0.17	545	1	0.03	45	1830	5	0.03	3	2	43	0.12	<10	<10	28	<10	98
L3 2+75S	359457	5476624	<0.005	<0.2	1.88	27	<10	90	<0.5	<2	0.33	<0.5	7	12	17	1.96	10	<1	0.06	<10	0.23	486	1	0.02	19	1670	8	0.01	3	2	27	0.08	<10	<10	35	<10	96
L3 3+00S	359484	5476597	0.013	0.2	2.03	11	<10	140	<0.5	<2	0.2	<0.5	6	11	15	1.66	10	<1	0.1	10	0.21	389	<1	0.02	16	820	6	0.01	4	3	22	0.09	<10	<10	31	<10	83
L3 3+25S	359492	5476587	0.005	<0.2	2	12	<10	190	<0.5	<2	0.23	<0.5	7	14	21	2	10	<1	0.1	10	0.26	240	<1	0.02	16	430	7	<0.01	<2	3	25	0.09	<10	<10	42	<10	62
L3 3+50S	359502	5476569	<0.005	<0.2	1.42	7	<10	80	<0.5	<2	0.22	<0.5	6	14	16	1.88	10	<1	0.09	10	0.28	164	<1	0.01	12	450	4	<0.01	<2	3	24	0.08	<10	<10	42	<10	48
L3 3+75S	359514	5476551	<0.005	0.3	2.13	10	<10	140	<0.5	<2	0.21	<0.5	7	13	21	2.03	10	<1	0.11	10	0.27	173	1	0.02	15	630	5	0.01	<2	3	28	0.09	<10	<10	42	<10	57
L3 4+00S	359527	5476528	<0.005	0.2	1.21	8	<10	70	<0.5	<2	0.23	<0.5	6	14	16	1.82	10	<1	0.07	10	0.27	161	1	0.01	10	270	4	<0.01	2	2	24	0.08	<10	<10	45	<10	39
L3 4+25S	359542	5476508	<0.005	<0.2	1.4	9	<10	90	<0.5	<2	0.23	<0.5	6	13	16	1.86	10	<1	0.09	10	0.27	152	1	0.01	12	240	5	0.01	2	2	23	0.08	<10	<10	42	<10	45
L3 4+50S	359560	5476499	<0.005	<0.2	0.73	6	<10	40	<0.5	<2	0.27	<0.5	6	13	19	1.67	<10	<1	0.08	10	0.27	170	1	0.02	7	270	2	<0.01	2	2	23	0.07	<10	<10	45	<10	28
L3 4+75S	359577	5476484	<0.005	0.2	0.81	4	<10	40	<0.5	<2	0.25	<0.5	4	12	16	1.52	<10	<1	0.04	10	0.23	147	1	0.01	7	410	3	<0.01	2	2	24	0.07	<10	<10	37	<10	32
L3 5+00S	359564	5476464	<0.005	0.4	1.82	9	<10	90	<0.5	<2	0.26	<0.5	6	11	19	1.7	10	1	0.08	10	0.18	429	<1	0.02	11	1870	5	0.01	<2	2	29	0.09	<10	<10	32	<10	83
L3 5+25S	359556	5476443	<0.005	0.2	1.36	15	<10	60	<0.5	<2	0.27	<0.5	7	14	24	1.91	<10	1	0.07	10	0.27	187	<1	0.02	13	430	5	<0.01	<2	2	27	0.1	<10	<10	47	<10	42
L3 5+50S	359551	5476422	<0.005	<0.2	2.17	14	<10	120	0.5	<2	0.23	<0.5	6	12	14	1.91	10	<1	0.07	10	0.21	343	1	0.02	16	1060	6	0.01	<2	2	28	0.11	<10	<10	37	<10	65
L3 5+75S	359551	5476396	<0.005	<0.2	1.55	34	<10	100	<0.5	<2	0.3	<0.5	10	13	18	1.88	10	1	0.07	10	0.24	397	1	0.02	13	610	9	0.01	<2	2	30	0.09	<10	<10	40	<10	63
L3 6+00S	359552	5476371	<0.005	0.2	1.9	17	<10	120	0.5	<2	0.22	<0.5	7	14	22	2.04	10	1	0.08	10	0.29	233	<1	0.02	14	660	6	0.01	<2	3	26	0.11	<10	<10	45	<10	64
L3 6+25S	359546	5476342	<0.005	<0.2	2.08	20	<10	100	<0.5	<2	0.19	<0.5	6	10	10	1.69	10	1	0.06	10	0.16	399	<1	0.02	13	820	5	0.01	<2	2	20	0.11	<10	<10	31	<10	102
L3 6+50S	359543	5476315	<0.005	<0.2	2.09	21	<10	100	0.5	<2	0.21	<0.5	5	10	14	1.64	10	1	0.07	10	0.19	377	<1	0.02	11	1140	6	0.01	<2	2	26	0.11	<10	<10	30	<10	109
L3 6+75S	359538	5476285	<0.005	0.2	1.97	38	<10	100	0.5	<2	0.31	<0.5	7	14	24	2.04	10	1	0.1	10	0.31	418	<1	0.02	12	780	9	0.01	<2	3	38	0.11	<10	<10	43	<10	86
L3 7+00S	359534	5476256	0.012	0.4	2.73	323	<10	80	0.7	<2	0.29	0.9	8	11	26	2.18	10	2	0.07	10	0.3	266	<1	0.03	12	810	83	0.01	<2	4	37	0.13	<10	<10	38	<10	260

Appendix III. Rock Sample Locations and Analytical Data

Rock Sample Locations and Analytical Data, GK Property, Bitterroot Resources Ltd.

Sample	UTM E	UTM N	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
No.			ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
1A	359309	5474754	<0.005	<0.2	1.04	3	<10	110	0.5	<2	0.56	<0.5	2	113	11	2.27	<10	<1	0.58	40	0.06	122	25	0.04	3	310	104	<0.01	<2	<1	18	0.04	<10	10	10	10	53
1B	359309	5474754	<0.005	<0.2	2.23	7	10	430	1	<2	1.36	<0.5	1	58	1	4.3	10	<1	1.18	140	0.13	110	321	0.03	2	240	11	0.02	<2	2	23	0.06	<10	30	19	10	23
1C	359309	5474754	<0.005	<0.2	1.26	<2	<10	290	0.8	5	0.58	<0.5	<1	95	1	1.92	10	<1	0.69	60	0.09	166	2	0.04	3	320	527	0.01	<2	1	31	0.07	<10	10	11	<10	231
1D	359309	5474754	<0.005	<0.2	1.11	12	<10	180	1	<2	0.31	<0.5	<1	59	1	2.12	10	<1	0.63	180	0.08	156	1	0.02	3	280	37	<0.01	<2	1	20	0.06	<10	40	7	10	77
1.1	358944	5474529	0.072	0.3	1.83	14	<10	30	<0.5	<2	1.78	<0.5	31	27	850	5.34	10	<1	0.04	<10	0.6	303	2	0.09	16	710	<2	2.38	<2	4	48	0.13	<10	<10	76	10	22
3	359279	5476357	<0.005	<0.2	0.45	15	<10	700	0.5	<2	2.69	<0.5	6	24	40	1.84	<10	1	0.07	10	0.75	297	2	0.03	7	600	8	0.04	<2	3	147	<0.01	<10	<10	39	<10	52
4.1	359315	5475563	<0.005	0.2	0.49	5	<10	700	0.5	<2	2.72	<0.5	5	25	41	1.87	<10	<1	0.07	10	0.76	301	2	0.03	7	610	7	0.04	<2	3	150	<0.01	<10	<10	39	<10	54
5.3	359583	5474349	0.006	<0.2	2.52	4	<10	40	<0.5	<2	2.01	<0.5	1	71	12	1.06	10	1	0.08	<10	0.35	244	2	0.3	3	1460	13	0.02	<2	1	128	0.13	<10	<10	29	<10	43
H004	359309	5475686	0.068	2.1	1.69	42	<10	100	<0.5	<2	0.44	<0.5	15	29	823	6.24	10	<1	0.11	<10	0.76	296	13	0.09	6	870	14	1.37	2	7	38	0.11	<10	<10	85	<10	54
H4.2	359394	5475335	0.023	1.3	2.15	15	<10	90	<0.5	<2	1.16	<0.5	19	23	551	4.79	10	1	0.09	<10	0.92	480	9	0.17	7	1030	14	1.74	2	4	75	0.19	<10	<10	74	<10	89
H007	358826	5476986	0.055	1.8	3.76	18	10	30	0.7	<2	6.25	0.6	32	34	316	5.42	10	1	0.04	<10	1.04	1145	3	0.01	14	980	43	1.36	7	9	132	0.15	<10	<10	116	<10	140
GK 002	359064	5476683	0.014	0.4	2.28	9	<10	90	<0.5	<2	1.56	<0.5	11	57	138	1.78	10	1	0.3	10	0.35	136	2	0.33	26	1360	6	0.6	<2	2	233	0.17	<10	<10	48	<10	21
GK 1.2	358765	5476474	0.018	0.7	1.27	2	<10	10	0.5	<2	2.04	<0.5	29	55	361	6.65	<10	<1	0.01	10	0.29	1215	2	0.03	59	2940	6	3.19	<2	1	71	0.07	<10	<10	23	<10	46
GK 1.3	358837	5476476	<0.005	0.3	3.3	7	<10	10	<0.5	<2	5.2	<0.5	6	52	100	1.92	10	1	0.03	10	0.05	170	2	0.01	31	1360	6	0.42	<2	2	43	0.11	<10	<10	27	<10	27
GK 2.2	359091	5476591	<0.005	0.4	3.24	<2	<10	60	<0.5	<2	1.95	<0.5	7	42	15	3.13	10	<1	0.09	<10	0.61	410	1	0.4	4	1030	9	0.95	<2	3	157	0.13	<10	<10	48	<10	45

Appendix IV. Statement of Qualifications

Statement of Qualifications

I, Charles James Greig, of 250 Farrell St., Penticton, British Columbia, Canada, hereby certify that:

1. I am a graduate of the University of British Columbia with a B.Comm. (1981), a B.Sc. (Geological Sciences, 1985), and an M.Sc. (Geological Sciences, 1989), and have practiced my profession continuously since graduation.

2. I have been employed in the geoscience industry for over 20 years, and have explored for gold and base metals in North, Central, and South America, and Africa for both senior and junior mining companies, and have several years of experience in regional-scale government geological mapping.

3. I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia (license #27529).

4. I am a "Qualified Person" as defined by National Instrument 43-101.

5. I am not aware of any material fact or material change with respect to the subject matter of the technical report that is not reflected in the technical report, the omission to disclose which makes the technical report misleading.

6. I own xxxx shares of Bitterroot Resources Ltd., who is the optionee of the GK Property. I am an optionor of the GK Property, and hold a half interest in it with my partner, B.J. Kreft, of Whitehorse, Yukon Territory.

7. I am author of the report entitled; "Preliminary Soil and Rock Geochemical Work, GK Property (GK 1-20)" dated August 2004. I worked on and supervised the work program reported on herein. I have been involved with exploration on behalf of Bitterroot Resources Ltd. since 1996.

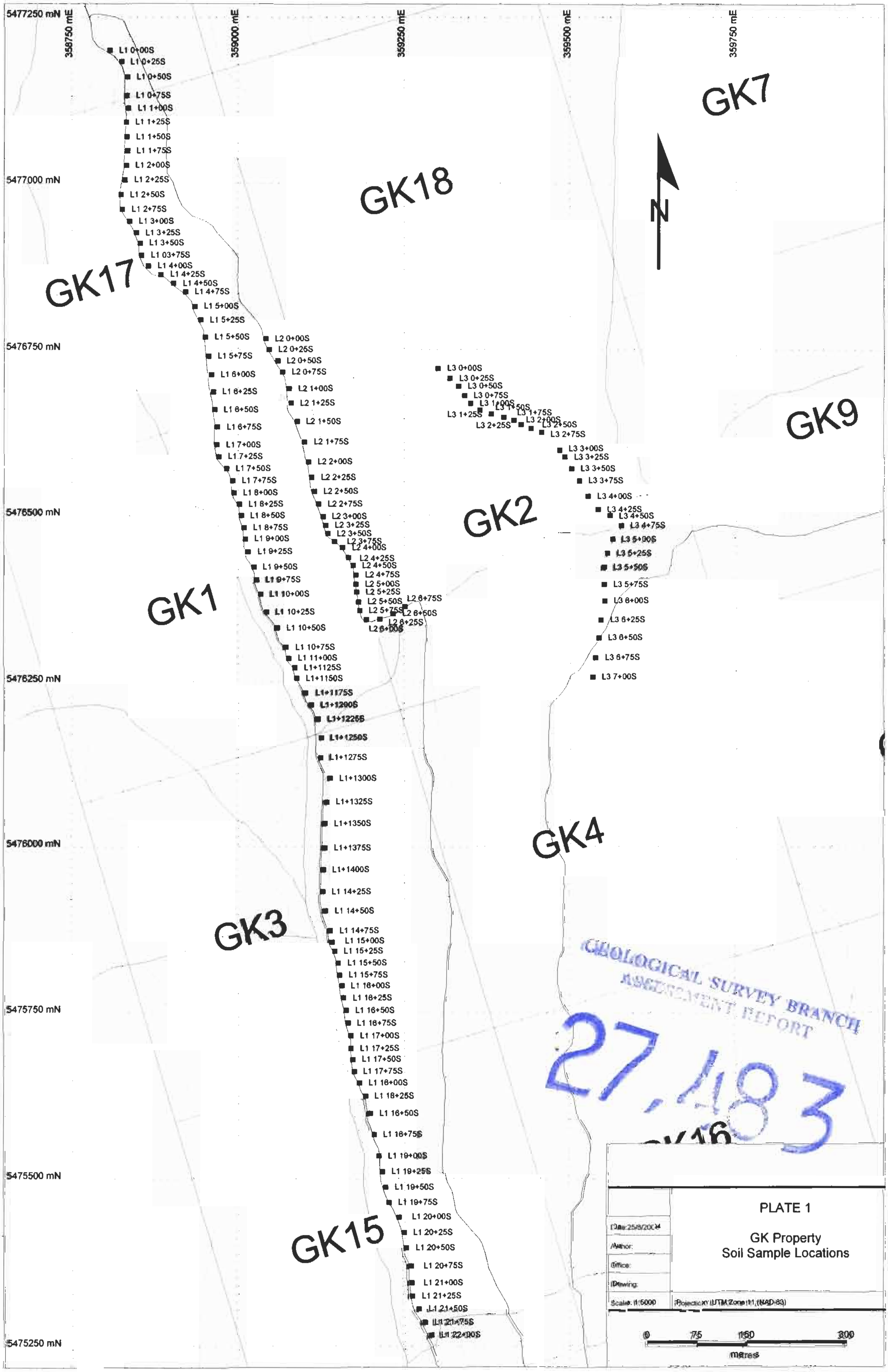
8. I have read National Instrument 43-101 and Form 43-101F1 and the technical report has been prepared in compliance with National Instrument 43-101 and Form 43-101F1.

Dated at Penticton, British Columbia, this 25th day of August, 2004

Respectfully submitted,

"Charles James Greig" - signed

Charles James Greig, P.Geo



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GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
27,483
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Office:
Drawing:
Scale: 1:5000
Projection: UTM Zone 11 (NAD 83)
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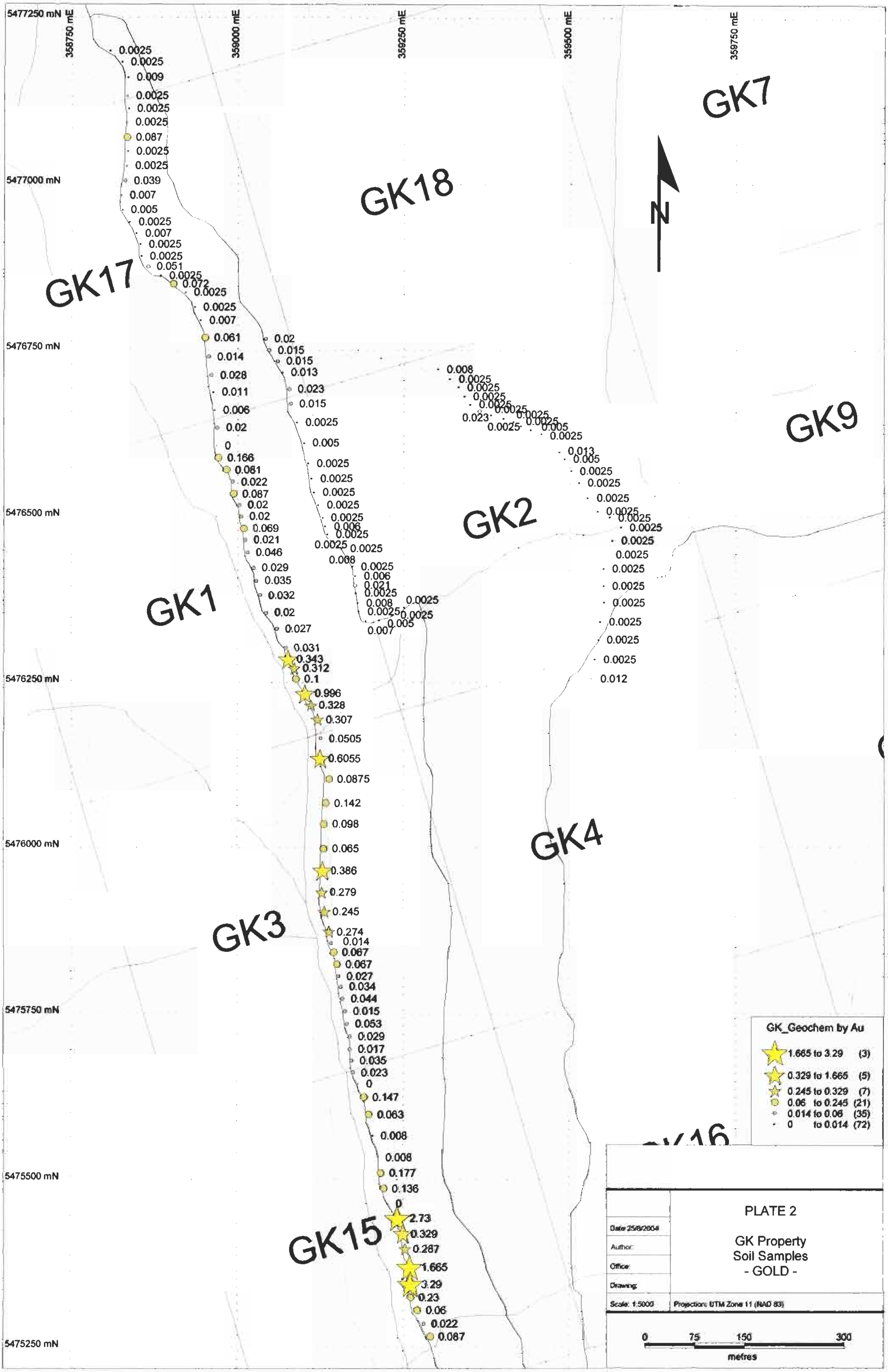
metres



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GK Property
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- GOLD -
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Author:
Office:
Drawing:
Scale: 1:5000
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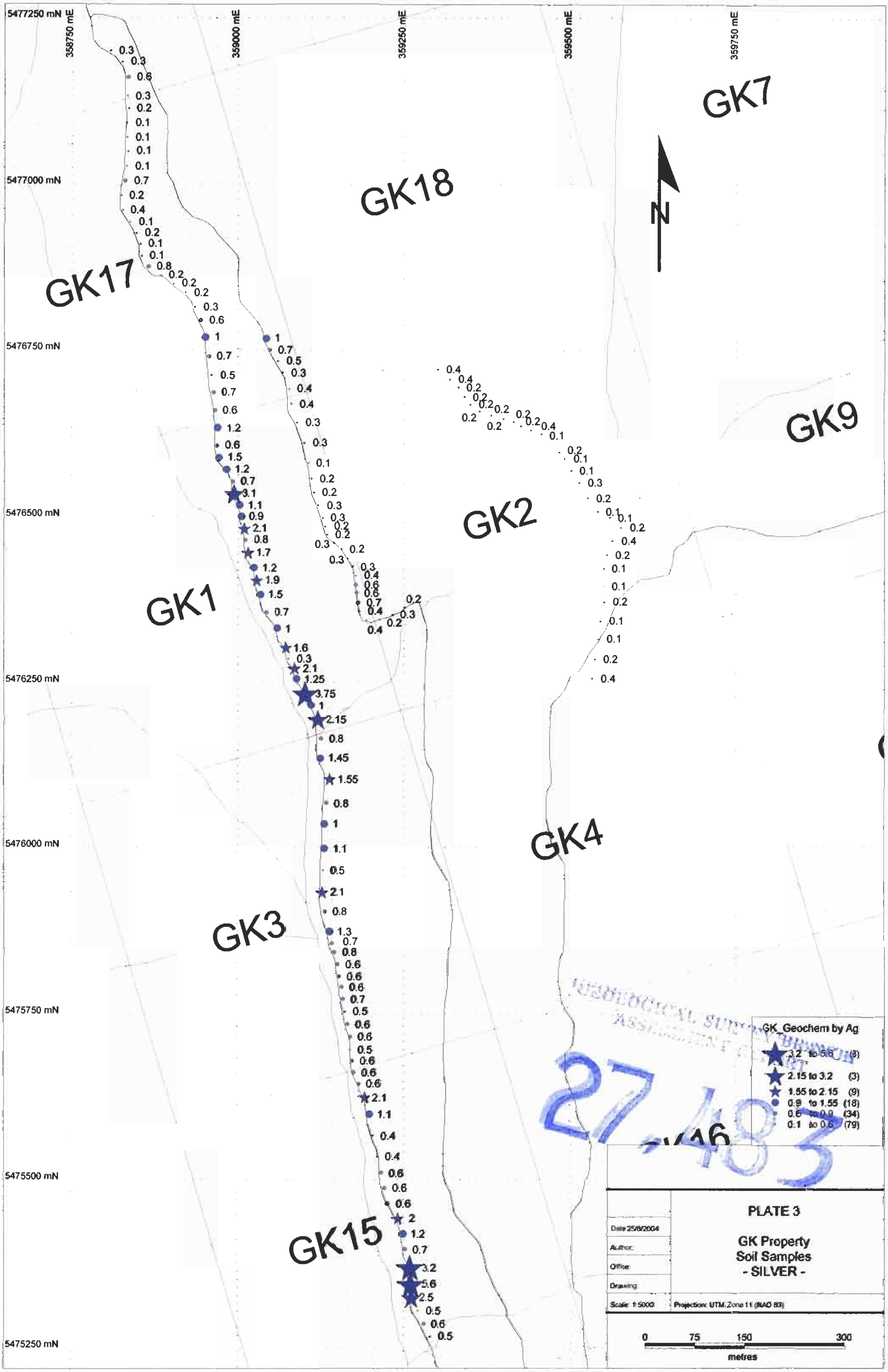
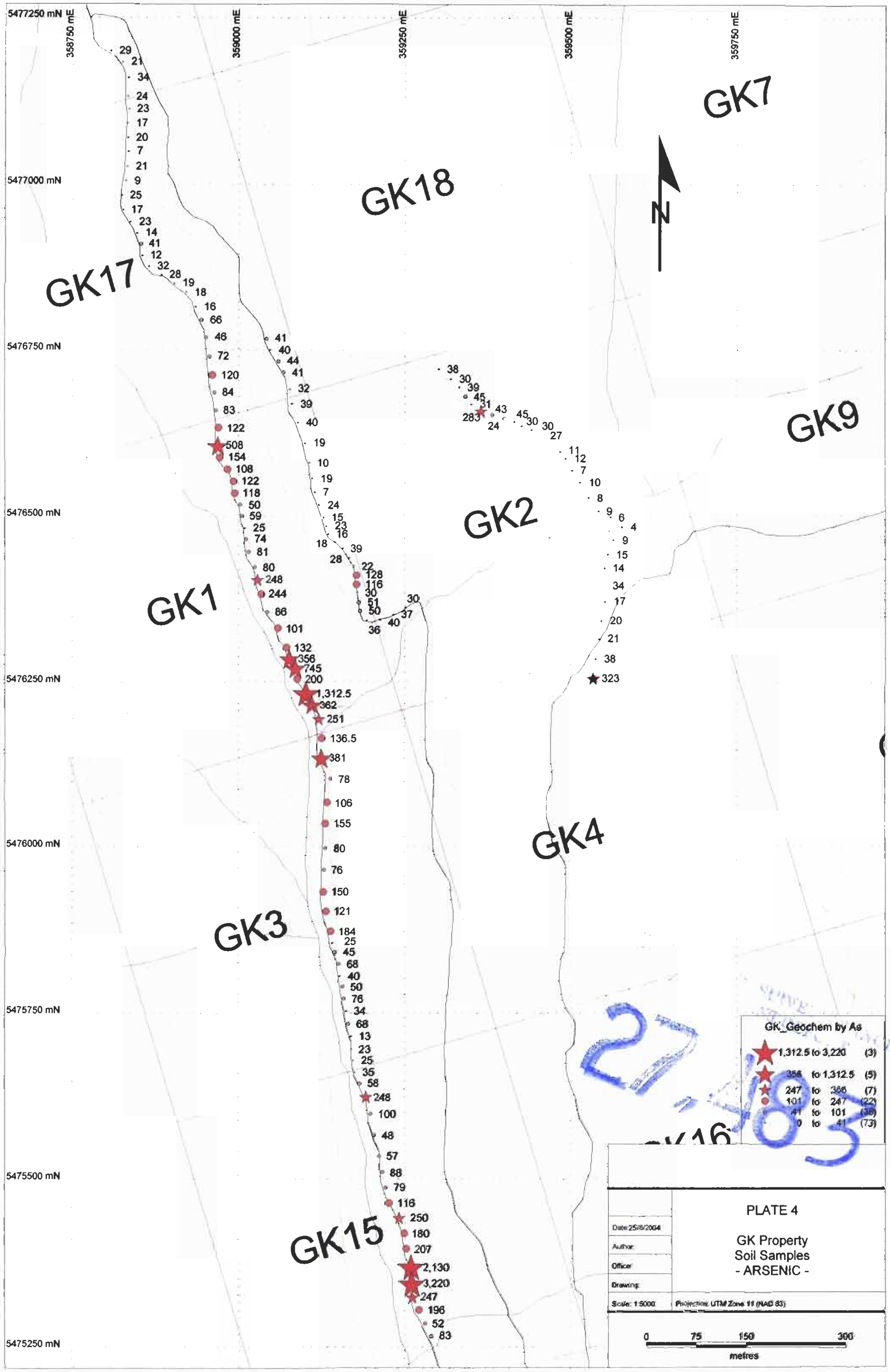
75
150
300
metres



5477250 mN
358750 mE
359000 mE
359250 mE
359500 mE
359750 mE
5477000 mN
5476750 mN
5476500 mN
5476250 mN
5476000 mN
5475750 mN
5475500 mN
5475250 mN
N
GK7
GK18
GK17
GK9
GK2
GK1
GK4
GK3
GK15
GK_Geochem by Ag
3.2 to 5.6 (3)
2.15 to 3.2 (3)
1.55 to 2.15 (9)
0.9 to 1.55 (18)
0.6 to 0.9 (34)
0.1 to 0.6 (79)
PLATE 3
GK Property
Soil Samples
- SILVER -
Date 25/8/2004
Author:
Office:
Drawing:
Scale: 1:5000
Projection: UTM Zone 11 (NAD 83)
0
75
150
300
metres
27483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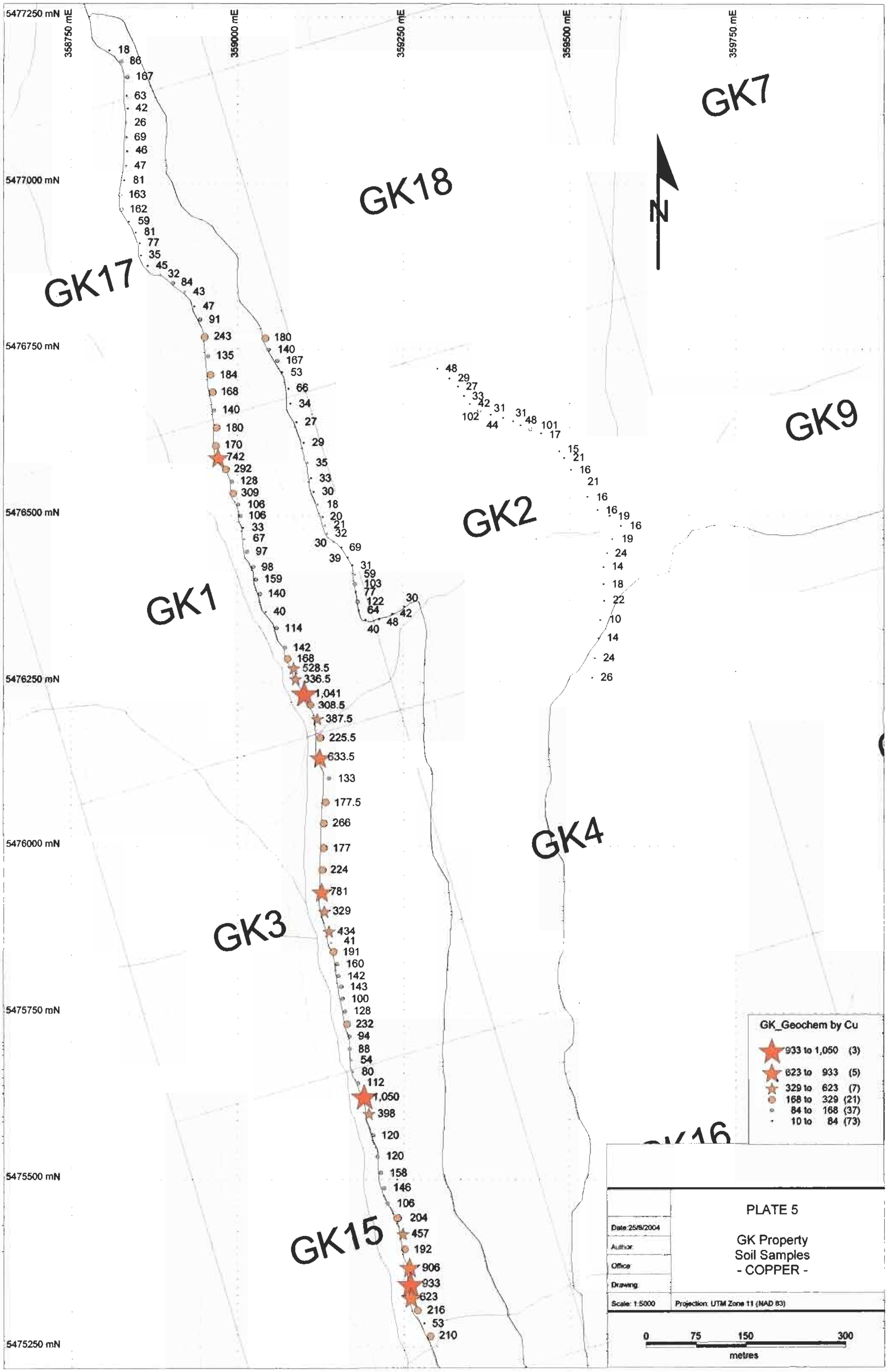
5477000 mN
5476750 mN
5476500 mN
5476250 mN
5476000 mN
5475750 mN
5475500 mN
5475250 mN
358750 mE
359000 mE
359250 mE
359500 mE
359750 mE
GK7
GK18
GK17
GK9
GK2
GK1
GK4
GK3
GK15
GK16
N
GK_Geochem by As
1,312.5 to 3,220 (3)
356 to 1,312.5 (5)
247 to 356 (7)
101 to 247 (22)
41 to 101 (38)
0 to 41 (73)
PLATE 4
GK Property
Soil Samples
- ARSENIC -
Date: 25/6/2004
Author:
Officer:
Drawing:
Scale: 1:5000
Projection: UTM Zone 11 (NAD 83)
0 75 150 300
metres



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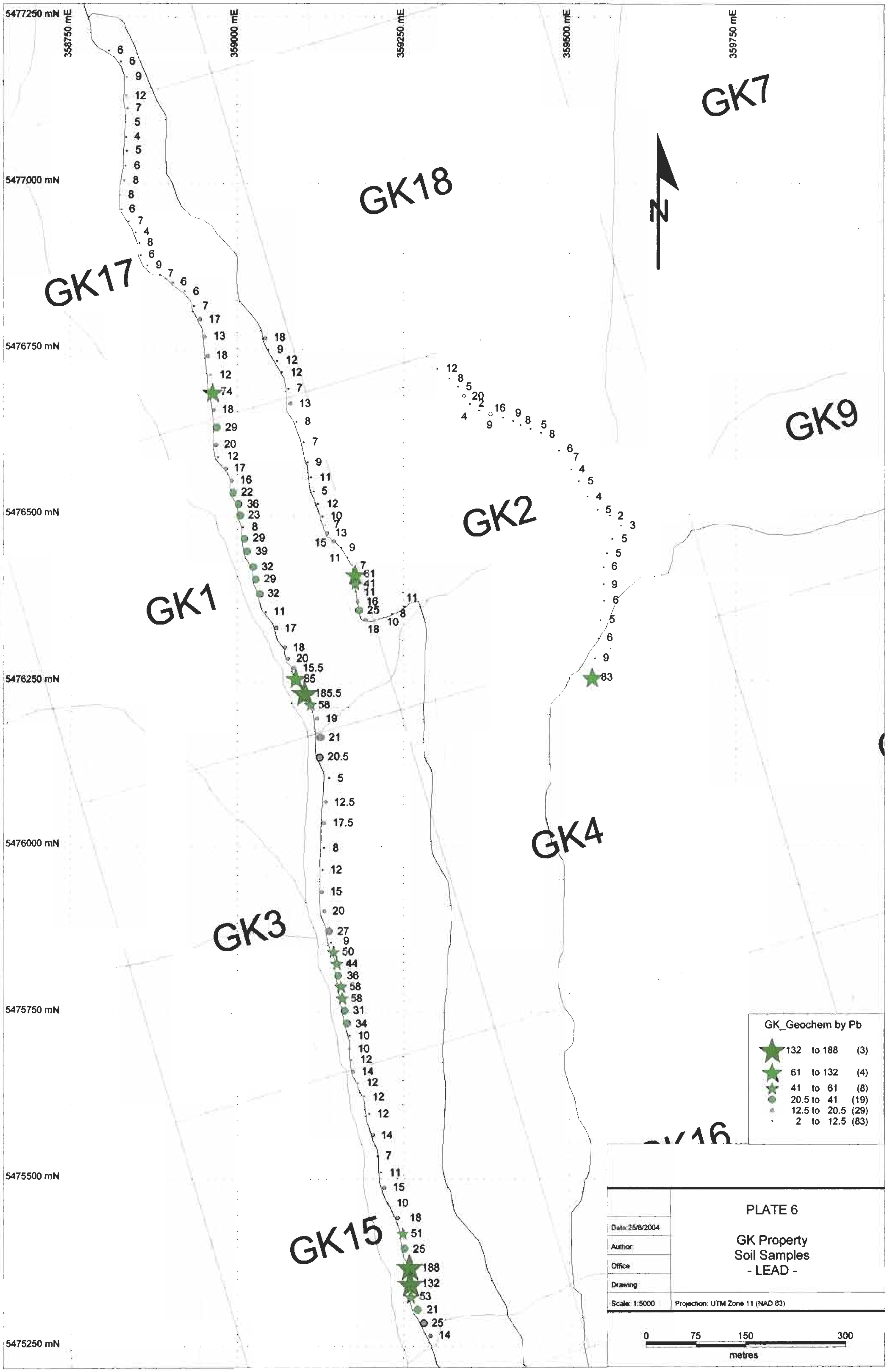
5476750 mN
5476500 mN
5476250 mN
5476000 mN
5475750 mN
5475500 mN
5475250 mN
358750 mE
359000 mE
359250 mE
359500 mE
359750 mE
GK7
GK18
GK17
GK9
GK2
GK1
GK4
GK3
GK15
GK16
N
GK_Geochem by Cu
933 to 1,050 (3)
623 to 933 (5)
329 to 623 (7)
168 to 329 (21)
84 to 168 (37)
10 to 84 (73)
PLATE 5
GK Property
Soil Samples
- COPPER -
Date: 25/8/2004
Author:
Office:
Drawing:
Scale: 1:5000
Projection: UTM Zone 11 (NAD 83)
0
75
150
300
metres



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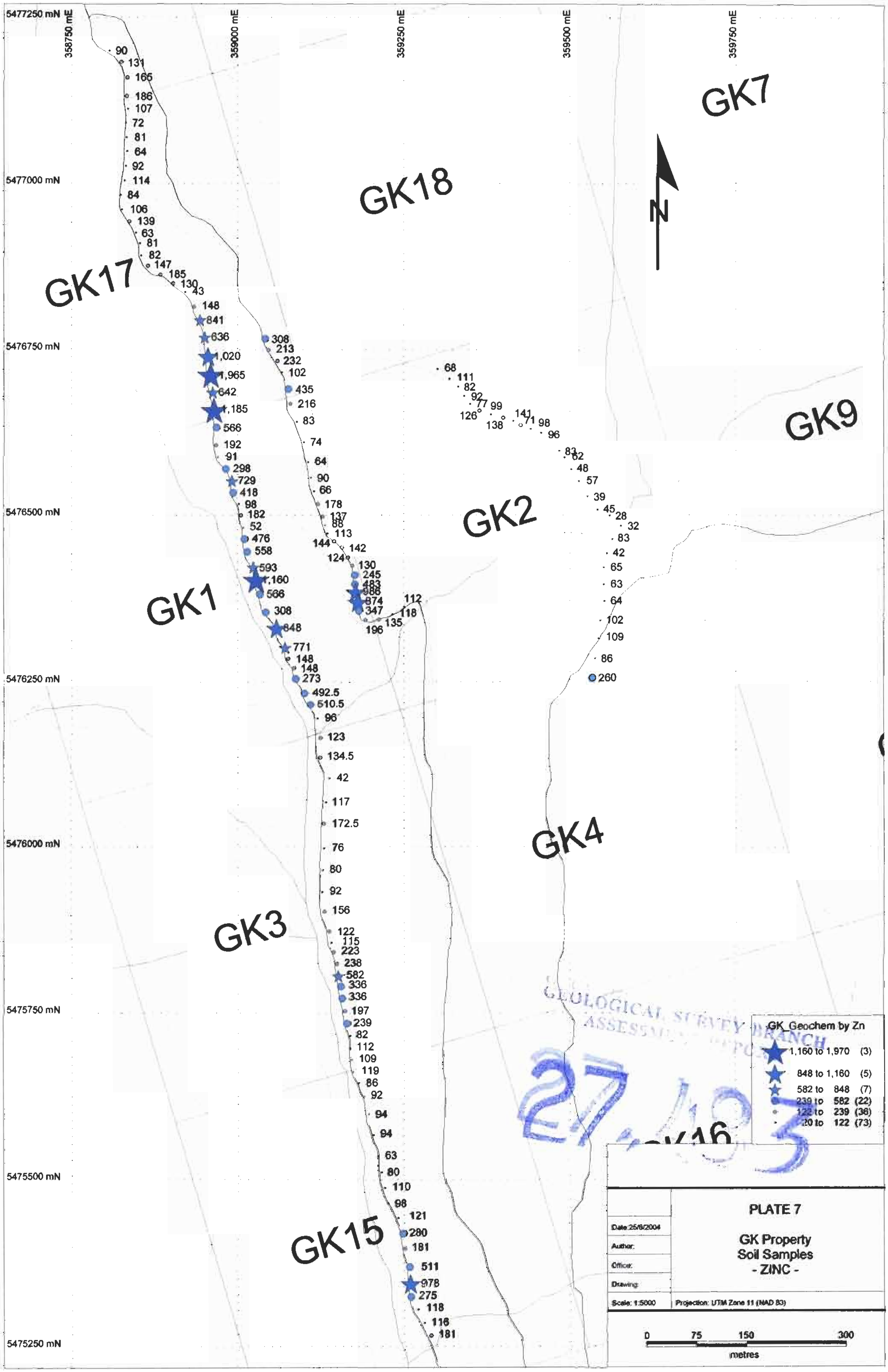
5477000 mN
5476750 mN
5476500 mN
5476250 mN
5476000 mN
5475750 mN
5475500 mN
5475250 mN
358750 mE
359000 mE
359250 mE
359500 mE
359750 mE
GK7
GK18
GK17
GK9
GK2
GK1
GK4
GK3
GK15
N
GK_Geochem by Pb
132 to 188 (3)
61 to 132 (4)
41 to 61 (8)
20.5 to 41 (19)
12.5 to 20.5 (29)
2 to 12.5 (83)
PLATE 6
GK Property
Soil Samples
- LEAD -
Date 25/8/2004
Author
Office
Drawing
Scale: 1:5000
Projection: UTM Zone 11 (NAD 83)
0
75
150
300
metres



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5477000 mN
5476750 mN
5476500 mN
5476250 mN
5476000 mN
5475750 mN
5475500 mN
5475250 mN
358750 mE
359000 mE
359250 mE
359500 mE
359750 mE
N
GK7
GK18
GK17
GK9
GK2
GK1
GK4
GK3
GK15
GK16
GK_Geochem by Zn
1,160 to 1,970 (3)
848 to 1,160 (5)
582 to 848 (7)
239 to 582 (22)
122 to 239 (36)
20 to 122 (73)
PLATE 7
Date:25/6/2004
Author:
Office:
Drawing:
Scale: 1:5000
GK Property
Soil Samples
- ZINC -
Projection: UTM Zone 11 (NAD 83)
0 75 150 300
metres
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
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