CME

REPORT ON
GEOLOGY, GEOCHEMISTRY, AND GEOPHYSICS
OF THE
MAMMOTH PROJECT

Nelson Mining Division, B.C.
NTS 82F/6
49°22'N Lat., 117°17W Long.

for

KATIE MINING CORP.

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June 15, 1992

SUMMARY

The Mammoth property, totalling 143 units, claims and reverted Crown Grants, is located approximately 15 km south of Nelson with good road access to the west from Highway 6. The main area of interest is at an elevation of 1200 m.

Historical survey, drilling and trenching work from 1917 to 1988 has produced results of up to 21.95 m of 0.627% Cu (1972). Gold grades were not determined at that time but recent surface sampling of copper bearing zones in the area has produced grades of up to 0.07 oz/T gold from 1.52% copper.

High grade gold values in veins cutting later intrusives of up to 0.94 oz/T have been obtained in quartz arsenopyrite stringers adjacent to the main zone mineralization.

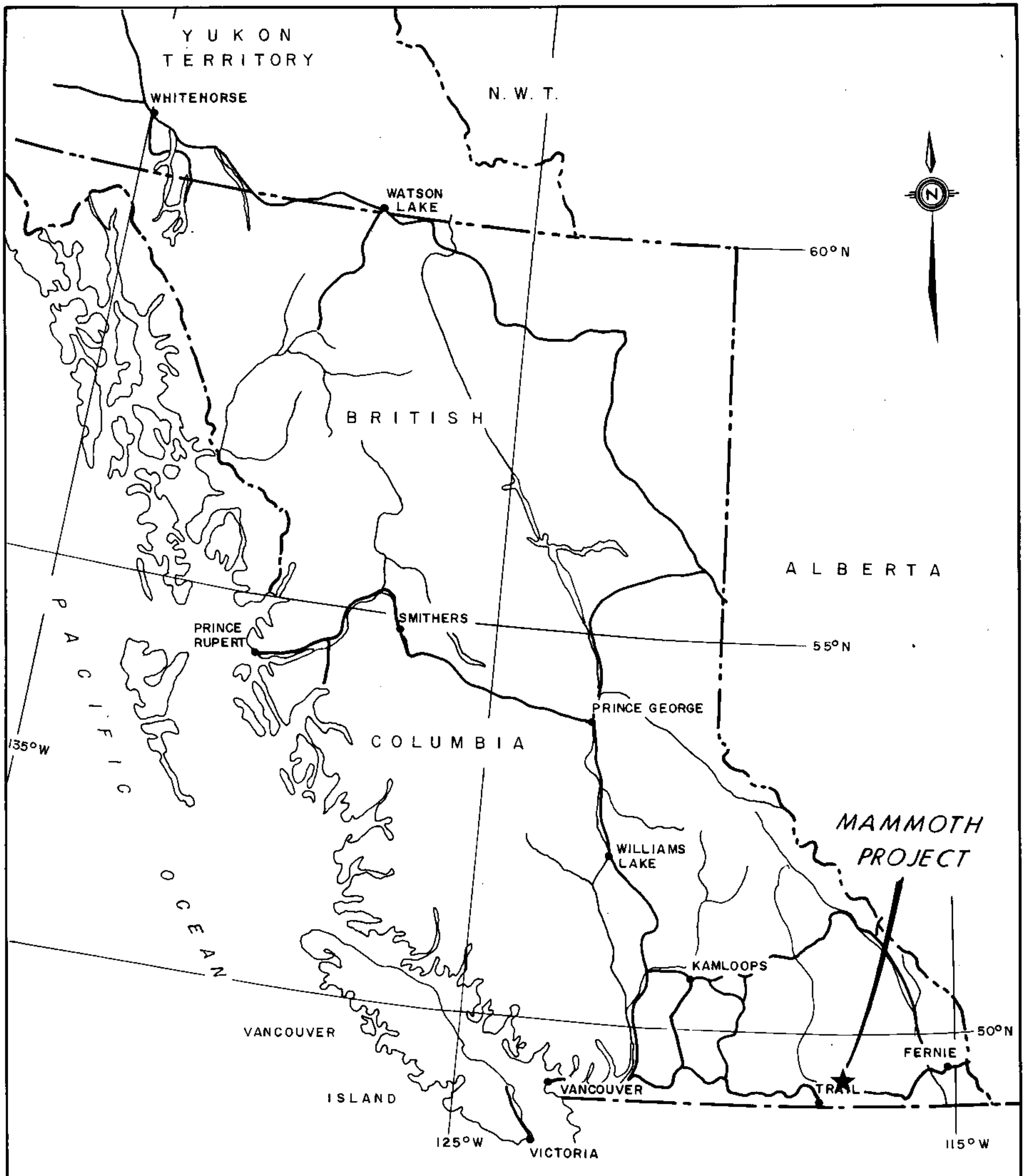
Mineralization is hosted in altered coeval intrusives and Elise Volcanics of the Rossland Group. Later intrusives, possibly related to the Nelson batholith immediately to the west, crosscut these volcanics and overlying Hall Formation sediments.

Recent grid work by Katie Mining Corp. in 1991 has successfully demonstrated the usefulness of soil geochemistry high density magnetics and induced polarization surveys in delineating zones of interest.

A further program of ground work and confirmation of 1972 drilling is recommended at a cost of $195,000.

TABLE OF CONTENTS

List of Figures



KATIE MINING CORP.

GENERAL LOCATION MAP
MAMMOTH PROJECT
NELSON MINING DIVISION

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Drawing No:	1	Date:	NOV. 1991

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T. L. Gregory Hawkins

1.0 INTRODUCTION

This report represents the compilation of results of 1991 exploration carried out by Katie Mining Corp. and CME Consulting Ltd. from July 1 to October 31, 1991 on the Mammoth project. Exploration was completed at the request of Katie Mining Corp. for the purposes of filing an assessment report and completing a prospectus. Included in the report is a summary of previous exploration by former owners, a description of selected significant deposits or showings in the area, a synopsis of the results from current work and recommendations for followup.

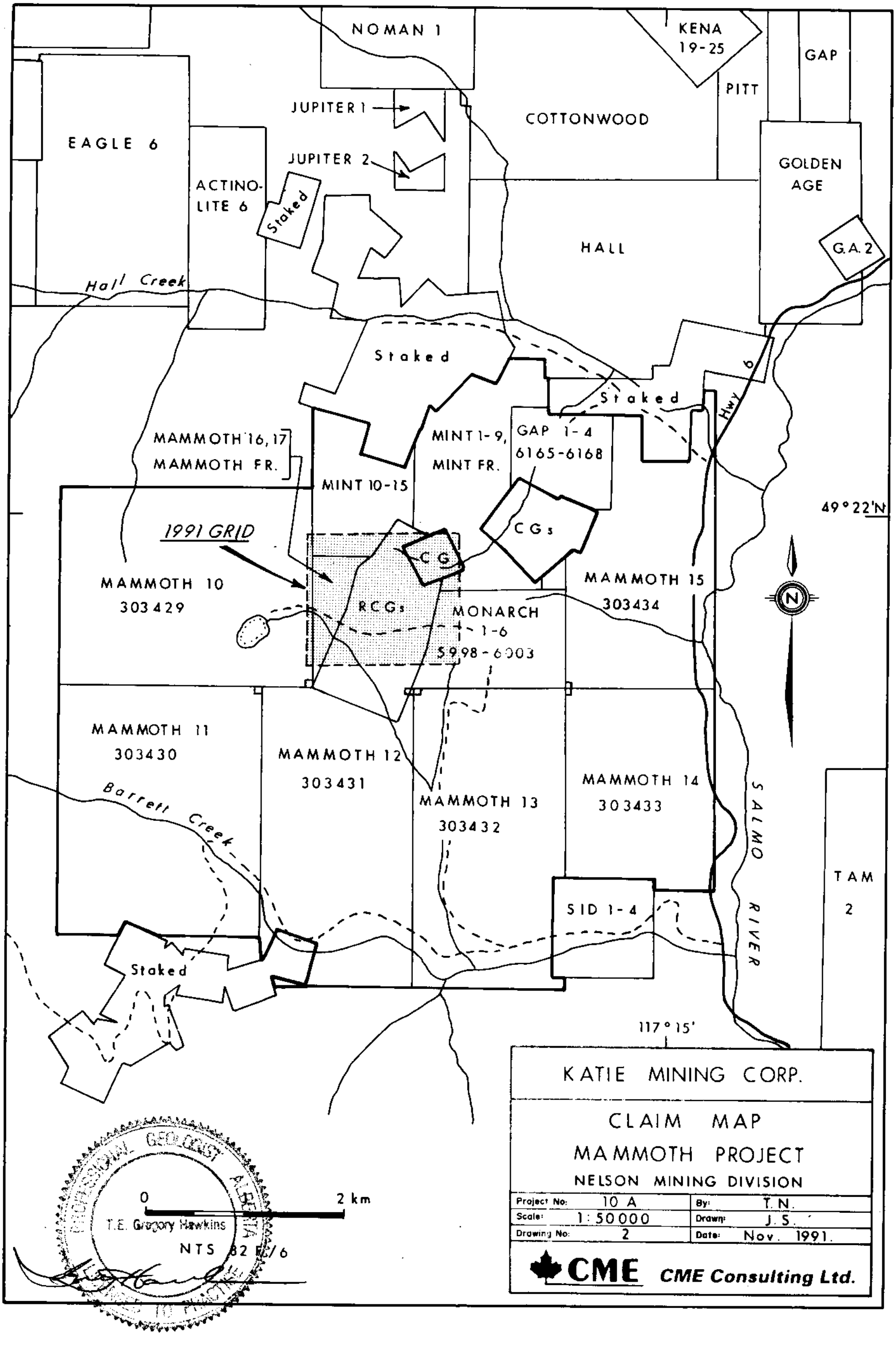
2.0 LOCATION, ACCESS, TITLE

The Mammoth project is located between Hall and Barrett Creeks, immediately west of Highway 6, about 15 km south of Nelson and 5 km north of Ymir (Figs. 1, 2). It is centred at approximately 49°22'N latitude, 117°17'W longitude on NTS mapsheet 82F/6. It is located in the Nelson Mining Division of British Columbia.

Access to the property is via the paved Highway from Nelson or Ymir to Porto Rico, then by gravel road up Barrett Creek, and then by four-wheel-drive via a dirt road onto the property and up to Lost Lake. A gravel road along Hall Creek allows access to the northern edge of the property. Foot trails are the only means of access further onto the property from the north. Electricity and telephone services are available along Highway 6. The Burlington Northern Railway parallels Highway 6.

Topography on the property is generally very rugged, with a total elevation range of 1400 m between the Salmo River (820 m elevation) and Commonwealth Mountain (2220 m elevation). The old workings and main area of interest are on the crest of an easterly trending ridge at an elevation of about 1800 m. Lost Lake and the creek draining it are the main sources of water on the property. There are no known outstanding environmental concerns on the property.

The property comprises 6 grid claims, 2 fractional claims, 27 2-post claims, and 8 reverted crown Grants totalling 143 units, as summarized below and shown in Fig. 2.



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CLAIM MAP
MAMMOTH PROJECT
NELSON MINING DIVISION

Project No:	10 A	By:	T.N.
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Claim Name	Record No.	Units	Expiry Date	Recorded
Mammoth 10	303429	20	06/08/92	1991
Mammoth 11	303430	20	07/08/92	1991
Mammoth 12	303431	18	07/08/92	1991
Mammoth 13	303432	18	07/08/92	1991
Mammoth 14	303433	12	09/08/92	1991
Mammoth 15	303434	18	09/08/92	1991
Mammoth Fr	303674	1	21/08/92	1991
Mammoth 16	303675	1	21/08/92	1991
Mammoth 17	303676	1	21/08/92	1991
Monarch 1-6	5998-6008	6	25/10/92	1989
Mint 1-8	6173-80	8	01/05/92	1990
Mint 9	6208	1	23/05/92	1990
Mint Fr	6209	1	23/05/92	1990
Mint 10-15	300415-20	6	03/06/92	1991
Gap 1-4	6165-68	4	18/04/92	1990
L14692-93	471-72	2	07/07/92	1977
L14695	473	1	07/07/92	1977
L14480	474	1	07/07/92	1977
L15034-36	475-77	3	07/07/92	1977
L14694	583	1	13/03/93	1978
	Total	143 units		

Expiry dates have not been updated to include the work included in this report. The claims are all owned by E.W. Denny, J.N. Denny, and H.J. Sanders, subject to an option agreement with Katie Mining Corp. The agreement calls for cash payments totalling $150,000 over 5 years to earn a 100% interest in the claims, subject to a 2% NSR.

3.0 HISTORY

The earliest recorded work on the present Mammoth property predates 1917, when a 12 m shaft and several open cuts were already in existence. During the period of 1917 to 1920, J. Fisher and partners drove a 28 m tunnel and crosscut and excavated one or more open cuts. A zone which assayed 1.5% Cu and 2.99 g/t Au over 8.2 m in an open cut was intersected by the tunnel at a depth of 15 m.

The Monarch claims area of the property was part of the Three Friends group, an Au-Ag-Cu target in 1894-1925, which was explored by several shafts, at least 4 adits, and numerous open cuts.

The next recorded exploration is not until 1967, when Welland Mining Ltd. diamond drilled 3 short holes. Welland completed another 15 diamond drill holes, blasted 10 trenches and reopened some old trenches, stripped 375 square metres (all apparently in 1968), and carried out a magnetics survey by 1971. The drilling is variously reported as totalling 1524 m or 1041 m. No drill logs, sections, or assay certificates are available. The only location map is contained in a later report (1972) and only shows nine of the holes. Twelve of the holes are reported to have been drilled on the Mammoth #2 Crown Grant (L14694) on a molybdenum target and five on a claim to the east of Mammoth #2 on a copper target. The following results are reported:

DDH	Interval (m)	Length (m)	Cu %	Mo %	Hole Location
1	1.37- 8.38	7.01		0.185	) immed. N of shaft,
	1.37-14.94	13.57	0.39		) in vicinity of main
2	3.66-10.36	6.70		0.687	) mineralized zone
	3.66-24.08	20.42	0.518		)
5	78.94-85.04	6.10	0.412		30 m N of shaft
A	13.11-16.95	3.84	0.18	0.25	120 m N of shaft
11	0- 3.54	3.54		0.88	23 m N of shaft
	0-21.95	21.95	0.627		

In 1972 Welland and Pechiney Development Ltd. carried out 16 line-km of magnetics and a horizontal shootback EM test, geological mapping and rock sampling, and soil sampling (147 samples analyzed for Cu, Mo, Zn, Pb, Ag, Mn; of which 47 were also analyzed for Au). The soil geochemistry survey located a large area of anomalous Zn values southeast of the shaft where granodiorite intrudes argillite.

The claims were allowed to lapse and Eric and Jack Denny and Harry Sanders acquired the ground. Greenwich Resources Ltd. held an option on the property from 1980 to 1984. During this period, prospecting, geological mapping and rock sampling, a 26.1 line-km magnetometer survey, and soil and silt sampling were carried out. 1103 soil samples and 117 silt samples were collected and analyzed for Cu, Pb, Zn, Ni, Co, Ag, and Mo. Some of the soil, silt, and rock samples were later reanalyzed for Au in 1984.

In 1989 Euro Petroleum Corp. carried out a program of soil sampling on the Keno claims near the Fern Au-Ag veins. A total of 159 samples was analyzed for Au, Ag, Mo, As, and Cu. Two easterly trending quartz veins exposed in old workings were identifiable in the Cu and Ag soil geochemistry results, but not any of the other elements. Two rock samples collected from the veins assayed 5.31% Cu, 1.12 g/t Au, 84.5 g/t Ag; and 1.1% Cu, 5.4 g/t Au, 8 g/t Ag.

4.0 REGIONAL GEOLOGY AND MINERAL OCCURRENCES

The geology of the area has recently been investigated in some detail by the BCMEMPR Rossland project, which began in 1987 and was to be completed in 1991. The following description of regional geology is summarized from the results of this work (Hoy and Andrew, 1988, 1989).

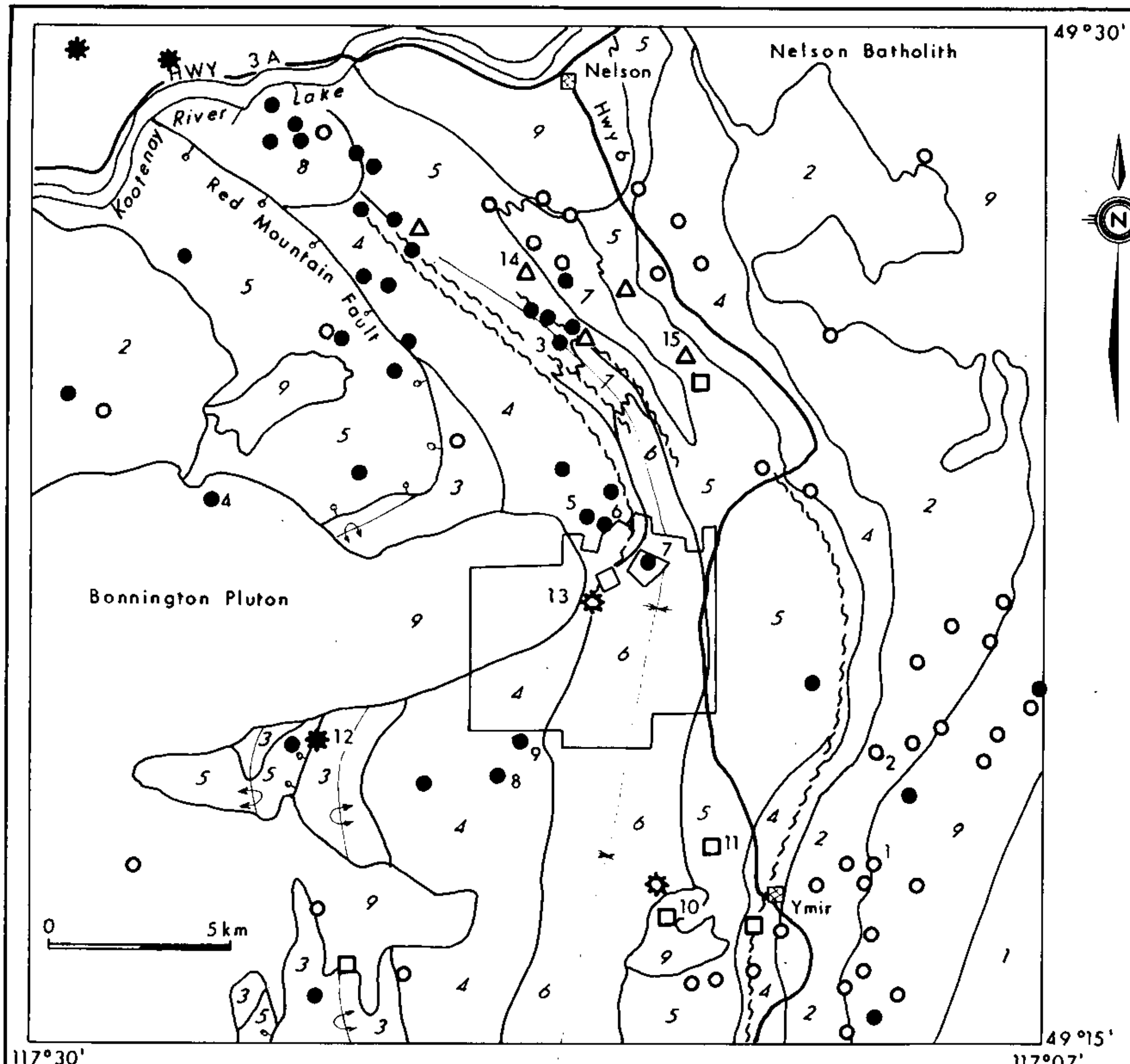
4.1 Geology

The area between Nelson and Ymir is underlain mainly by clastic and volcanic rocks of the Lower Jurassic Rossland Group (Fig. 3). Rossland Group rocks are underlain by Ymir Group clastics, also of Lower Jurassic age, and both groups are intruded by numerous stocks of Middle to Late Jurassic Nelson Intrusions granodiorite.

The Ymir Group (unit 2) is estimated to be at least 1000 m thick. It includes a lower sequence of argillaceous quartzite, and grit, siltstone, argillite, and lesser impure limestone overlain by a fining-upward sequence of grit, siltstone, argillite, argillaceous quartzite, and finely laminated argillite, wacke, and minor limy siltstone. The upper portion of the Ymir Group is correlative with the Archibald Formation of the Rossland Group.

The base of the Rossland Group consists of at least 1000 m of fining-upwards interbedded siltstones, sandstones, and argillites of the Archibald Formation (unit 3).

The Archibald Formation grades upwards into the Elise Formation which is exposed in eastern and western limbs of the Hall Creek syncline. In the eastern limb the Elise Formation includes a lower 1 km thick section of augitic mafic flow breccias and flows (unit 4) and an upper 2.5 km thick section of cyclical sequences of intermediate lapilli tuff to crystal tuff or fine tuff (unit 5). The tuffs commonly contain 5-20% plagioclase crystals as well as a few percent augite crystals. The upper Elise Formation is intruded by a number of comagmatic(?) feldspar porphyries such



LEGEND (Ref. Hoy and Andrew, 1989)

GEOLOGY

MIDDLE JURASSIC
9 Nelson Intrusions
LOWER OR MIDDLE JURASSIC(?)
8 Pseudodiorite
LOWER JURASSIC
Rossland Group
7 Silver King Intrusions
6 Hall Formation
5 Upper Elise Formation
4 Lower Elise Formation
3 Archibald Formation
2 Ymir Formation
PALEOZOIC AND PRECAMBRIAN
1 Metasedimentary rocks

SYMBOLS

Geological contact
Fault
Normal fault
Syncline axis
Overturned anticline axis
Mammoth property boundary

MINERAL OCCURRENCES

Porphyry Cu - Mo
Au - Cu or Cu - Au skarn
Mo - W skarn
Au - Ag - Cu vein
Ag - Au - Pb - Zn vein
Conformable Au

PROFESSIONAL GEOLOGIST ALBERTA
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REGIONAL GEOLOGY AND
MINERAL OCCURRENCES
MAMMOTH PROJECT
NELSON MINING DIVISION

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Drawing No:	3	Date:	Nov. 1991

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as the Silver King hornblende quartz diorite porphyry (unit 7). In the western limb the Elise Formation lacks the intermediate pyroclastics of the upper section. It is made up of 1.5-2 km of coarse mafic pyroclastic breccias known as the Porto Rico tuffs, minor augite porphyry flows, and prominent sections of waterlain crystal and lapilli tuff (unit 4). A volcanic centre is believed to be located in the area of Cabin Peak, pyroclastics are coarsest. Elise Formation lithologies are typically interfingered and lensoidal, with frequent lateral and vertical facies changes. The geochemistry of Elise Formation volcanics indicates a shoshonitic composition, which implies a volcanic arc origin.

The Hall Formation (unit 6) overlies the Elise Formation in the core of the Hall Creek syncline, mainly conformably with local minor erosional unconformities. The Hall Formation is at least 1400 m thick and includes a lower coarsening-upwards, locally limy section of argillites, siltstones, grits, and conglomerates and an upper section of interlayered argillaceous siltstone, silty argillite, and argillite. Impure limestone occurs locally near the top of the exposed Hall Formation section.

South of the Kootenay River a body of pseudodiorite (unit 8), believed to be of metamorphic origin (Little, 1985), including small amounts of pyroxenite is exposed.

The Nelson intrusives (unit 9) are exposed in the Nelson Pluton and the Bonnington Stock, as well as numerous smaller bodies. The unit comprises mainly granodiorite to quartz monzonite, with lesser diorite porphyry.

Rossland Group rocks are also intruded by many Tertiary rhyolite and lamprophyre dykes, as well as Eocene Coryell alkalic intrusions.

4.2 Structure

Deformation of the Ymir Group and Archibald Formation is much more intense than the overlying Elise Formation and Hall Formation rocks.

Structures in the area include tight northerly trending folds and associated shears. Tightness of folding increases to the east. The early structures predate intrusion of Nelson intrusives. A later stage of deformation has superimposed small scale open folds on the north trending structures.

The Hall Creek syncline, a south-plunging, west-dipping tight overturned fold, is the main fold in the area. An overturned anticline occurs in Archibald Formation rocks west of the Hall Creek syncline.

The Silver King shear, a zone of intense shearing over 1 km wide, occurs in the core of the syncline northwest of the closure of the Hall Formation. Another zone of intense shearing occurs in the eastern limb of the Hall Creek syncline in the vicinity of Ymir. The Red Mountain fault dips to the north with normal displacement in the southern part of the map area, but is overturned, with an apparent reverse displacement to the north.

4.3 Mineral Occurrences

The Rossland Group is a well known and prolific producer of precious metals. The Rossland camp, located about 45 km southwest of the Mammoth project, has produced over 84 t Au and 105 t Ag, while production from deposits within about 14 km of the Mammoth property (Fig. 3) amounts to nearly 17 t Au and 190 t Ag, predominantly from the Ymir camp, located about 8 km southeast of the Mammoth project.

Mineral occurrences in the Rossland Group include Au-Ag-Cu and Au-Ag-Pb-Zn mesothermal veins, Cu-Mo porphyries, skarns, and conformable Au. Classification of the deposits is uncertain; in several cases there appears to be more than one genetic model (e.g. Silver King — vein vs conformable gold, Willa - porphyry with late stage skarn overprint) and some of the old vein showings may represent part of larger skarn, stockwork, or porphyry systems.

Vein deposits include Au-Ag-Cu veins in the Rossland camp and elsewhere throughout areas underlain by Elise Formation volcanics, and Au-Ag-Pb-Zn veins primarily in the Ymir camp in Ymir group sedimentary rocks and also in Archibald Formation sediments and in or near Nelson intrusives. Veins are commonly parallel to bedding or foliation, AC jointing, or extension joints. Veins in the Elise Formation are within or associated with large faults or shear zones and contain pyrite, pyrrhotite, chalcopyrite, and locally arsenopyrite and galena in a quartz and minor carbonate, chlorite, trace tourmaline and rare scheelite gangue. Three of the more important veins in the Nelson-Ymir area are the Yankee Girl, Ymir, and Silver King. Veins located near the Mammoth project include the Bear, Fern, Canadian Belle, Porto Rico, and Spotted Horse. The Whitewater vein occurs at the margin of the Bonnington Pluton.

Rossland Camp

Discontinuous veins up to 2 m wide of altered rock with minor lenses of quartz and calcite contain mainly pyrrhotite with chalcopyrite. They occur in a well defined fracture system trending 070° and dipping 60-70°N. The bulk of the production came from a central zone between two large north-trending lamprophyre dykes. The veins are mainly hosted by the Rossland Sill, which intrudes the upper Elise Formation, or the Rossland monzonite. A second set of veins, of lesser economic importance, occurs several hundred metres to the south. Significant molybdenum deposits also occur in the area, spatially associated with the Jurassic granodioritic Trail and Rainy Day Plutons.

1) Yankee Girl Au, Ag, Pb, Zn, Cd

At least 5 mineralized veins occur in one set of a conjugate system of faults cutting Ymir Group sediments and Nelson Intrusions granodiorite. The veins consist of quartz with pyrite, galena, and sphalerite and are up to 15 m wide, although the main productive vein averages 1.5 m in width. The veins strike about 065° and dip 55-70°S. Mineralized sections are primarily hosted by the intrusives. Production from 1907 to 1951 (intermittent) totals 370,616 t grading 10.3 g/t Au, 59.5 g/t Ag, 1.7% Pb, 1.7% Zn.

2) Ymir Au, Ag, Pb, Zn

Mineralization occurs in a shear zone oriented 065°/60-70°NW which cuts Ymir Group sediments and 1 m felsic dykes just below the Elise Formation contact and 1.25 km W of the Nelson Intrusions contact. The shear zone contains quartz with pyrite, galena, and sphalerite. Pyrite is also disseminated in the wallrocks. The main zone is 3-12 m wide, averaging 4 m, by 145 m long. It was mined to a depth of 150 m, below which the quartz content of the zone increased and sulphides decreased. An extensive oxidized zone to nearly 150 m contains some free gold. Production from 1895 to 1973 (intermittent) totals 327,646 t grading 10.4 g/t Au, 43.6 g/t Ag, 1.5% Pb, and 0.2% Zn.

3) Silver King Ag, Cu, Au, Pb, Zn

Three major shear-controlled vein systems oriented 125°/70°S, parallel to the Silver King shear, cut volcanics of the lower Elise Formation. Silver King porphyry intrudes Elise Formation rocks to the E and SE. The veins comprise quartz and lesser carbonate and siderite with pyrite, chalcopyrite, galena, minor sphalerite, stromeyerite, bornite, and tetrahedrite. The productive zones are about 8 m wide by 200 m by 90 m and are influenced by the intersection of easterly cross-fractures and the main shear zones. Production from 1889 to 1958 (intermittent) totals 202,049 t grading 0.04 g/t Au, 684 g/t Ag, 3.4% Cu, 0.01% combined Pb and Zn. Measured geological reserves in 6 zones, including the dumps, totalled 68,136 t averaging 7.3 g/t Ag, 1.75% Cu, and 0.9% Pb in 1983.

4) Whitewater Au, Ag, Pb, Zn, Mo

Quartz veins mineralized with pyrite, minor galena, sphalerite, and molybdenite occur near the contact of Nelson Intrusions granodiorite to quartz monzonite with lower Elise Formation volcanics cut by lamprophyre dykes. The veins occur mainly in Nelson Intrusions rocks. The Whitewater vein is a discontinuous vein up to 1.8 m wide, oriented 040°/60°S, with erratic gold values. Isolated lenses of epidote-chlorite-garnet altered hornfelsed volcanics as well as areas of biotite-pyrite alteration occur near the contact. Molybdenite also occurs as isolated blebs in pegmatite veins. Production from 1890 to 1943 (intermittent) totals 40 t grading 28.8 g/t Au, 45.1 g/t Ag.

5) Bear Au, Ag, Cu

The workings expose a 10-25 cm wide quartz in a zone of fractured, sheared and crushed rock at the contact between Elise Formation augite porphyry and a porphyritic granite dyke. The vein contains free gold. Production from 1937 to 1942 (continuous) totals 114 t grading 36.6 g/t Au, 16.6 g/t Ag.

6) Fern Au, Ag, Cu

A vein up to 2.4 m wide consisting of quartz, crushed rock, and minor siderite contains pyrite, chalcopyrite, bornite, pyrrhotite, and gold. It is hosted by Elise Formation augite porphyry near an older granite porphyry dyke, and is variably oriented, averaging about 010°/60°W. Production from 1896 to 1942 (intermittent) totals 11,277 t grading 17.4 g/t Au, 1.5 g/t Ag.

7) Canadian Belle Au, Ag, Cu

Quartz-filled faults and fractures up to 1.8 m wide, oriented easterly and northeasterly, are hosted by Hall Formation sediments close to the southern limit of the Silver King shear. Diorite porphyry and granite of the Nelson Intrusions locally intrude the Hall Formation rocks. The veins contain massive and disseminated arsenopyrite, pyrite, pyrrhotite, and chalcopyrite. Production in 1939 and 1940 totals 24 t grading 35 g/t Au, 11.7 g/t Ag, 0.1% Cu.

8) Porto Rico Au, Ag, Cu, Pb, Zn

A plagioclase-augite porphyry dyke of the Mammoth intrusions cuts Elise Formation lapilli tuff and pyroclastics. A quartz-filled fissure averaging 80 cm in width and oriented 045°/45° NW occurs in the dyke. It contains pyrite, gold, arsenopyrite, and very minor galena, sphalerite, and chalcopyrite. Production from 1897 to 1960 (intermittent) totals 5740 t grading 31.1 g/t Au, 8.1 g/t Ag, and <0.01% combined Cu, Pb, and Zn.

9) Spotted Horse Au, Ag, W

An augite porphyry dyke intruding Elise Formation volcanics contains a shear zone oriented 110°/55-60°N. The shear contains quartz and calcite stringers and is 90 to 120 cm wide. Likely a continuation of the Porto Rico structure. Production from 1901 to 1937 (intermittent) totals 47 t grading 35.1 g/t Au, 44.3 g/t Ag.

Porphyry occurrences in the area have a number of common features: fracture-controlled chalcopyrite-pyrite-magnetite mineralization occurring in intermediate intrusives and spatially related volcanics; propylitized zones; local potassic alteration and areas of potassium feldspar development; and minor associated Pb-Zn mineralization. The best-developed porphyry deposits in the Nelson-Ymir area are the Stewart and Bobbi. Further north is Northair's Willa or Aylwin Creek deposit with reserves of 414,343 t grading 0.92% Cu, 6.03 g/t Au (Mining Review, May/June 1991).

10) Stewart Mo, W, Au, Ag, Pb, Zn

Elise Formation volcanics and Hall Formation sediments are intruded by a multistage complex of Nelson Intrusions quartz monzonite porphyries and Coryell Intrusives biotite-augite, monzonite and related aplite, diabase, and lamprophyre dykes. Molybdenite, pyrite, and minor powellite occur disseminated and in veins and stockworks in intensely altered and brecciated Nelson Intrusions rocks and adjacent Elise Formation and Hall Formation rocks. Alteration includes silica flooding, potassium metasomatism, quartz stockworks, an argillic, sericitic, and propylitic zones. Tungsten-bearing skarns and pyrite-pyrrhotite veins with Pb-Zn-Ag values are known to occur around the margins of the complex. Gold occurs in trace amounts in the complex and as free gold with pyrite in quartz veins peripheral to the complex. Diamond drill indicated reserves in the Phase II breccia zone, as of 1981, total 204,000 t grading 0.37% MoS_2.

11) Bobbi Mo, W, Cu, F, Au, Pb, Zn

Elise Formation and Hall Formation rocks are intruded by Nelson Intrusions quartz monzonite to quartz diorite and Tertiary rhyolite. Molybdenite, scheelite, and minor chalcopyrite occur with sericite in quartz veins and fractures, with common accessory fluorite, in quartz monzonite.

There are three types of skarns in the Nelson-Ymir area -- Mo$\pm$W, Cu-Au, and Au-Cu. The only example of an Au-Cu skarn is the Second Relief, which produced over 3118 kg Au and 866 kg Ag from 1900 to 1959, placing it third behind Nickel Plate and Phoenix in the ranks of Au production from B.C. skarns. Another example of a gold skarn in Rossland Group rocks is Esperanza Exploration's Tillicum deposit with reserves varying between 50,000 t of 36.00 g/t Au and 1,450,000 t of 5.83 g/t Au depending on cutoff(?) (Mining Review, May/June 1991). Cu-Au skarns occur in the Hall Formation adjacent to the Nelson Batholith west of Nelson where pyrrhotite, chalcopyrite, magnetite, and bornite are contained in coarse-grained diopside-garnet-quartz-epidote skarns. The Mo$\pm$W skarns include Mammoth and Arrow Tungsten.

12) Second Relief Au, Ag, Cu, Pb, Zn, Mo

The area is underlain by Elise Formation lapilli tuff and augite porphyry and Archibald Formation sediments in a roof pendant within the granodiorite Bonnington Pluton. At least 8 subparallel zones of sheared quartz $\pm$ magnetite, garnet, and epidote skarn contain erratic pyrite and/or pyrrhotite $\pm$ magnetite, chalcopyrite, sphalerite, and local fine-grained gold. The zones are oriented about 150°/83°N, vary in width from 0.2 to 3.5 m, and occur 10 to 150 m apart within a region about 250 m wide. The main zone occurs on the hanging wall contact of a diorite porphyry dyke which cuts both volcanics and sediments. Production from 1900 to 1959 (intermittent) totals 207,023 t grading 15.1 g/t Au, 4.2 g/t Ag, <0.01% Cu, and minor Pb and Zn.

13) Mammoth Cu, Mo, Ag, Pb, Zn, Au, Ni

See section 5.1 for description of Mammoth mineralization.

Conformable gold deposits comprise zones of intense alteration associated with synvolcanic felsic intrusions (volcanics?) and aligned parallel to foliation. Shearing affected both the mineralized zones and their host Elise Formation rocks, leading Hoy and Andrew (EBC 1988) to conclude that the mineralization is most likely of syngenetic origin. Alternatively they may be porphyry Au deposits. Conformable gold deposits include Great Western, Shaft/Cat, Kena, and possibly Silver King.

14) Great Western Au, Cu

Mafic volcanics and possible subvolcanic felsic intrusions of the Elise Formation contain three zones of intense sericite-carbonate-quartz alteration 5-10 m wide by several hundred metres long. The alteration zones are mineralized with 2-10% pyrite and trace chalcopyrite, mainly in stringers and minor disseminations. They are elongate in the plane of regional foliation. Diamond drilling returned an intersection of 9.7 g/t Au over 7 m in 1987.

15) Kena Cu, Au

A pervasive quartz stockwork with disseminated pyrite, chalcopyrite, bornite, and malachite occurs in extensively sericitized, quartz-flooded Elise Formation volcanics and volcaniclastics. A 1990 diamond drill hole intersected 0.27% Cu, 0.2 g/t Au over 57 m.

5.0 1991 FIELD RESULTS

During the 1991 field program carried out intermittently from August 1 to October 11:

i) 21 km of cut grid at 100 m x 25 m spacing plus 854 B horizon soil geochemistry samples were completed by Murray Contracting of Nelson.

ii) 7 days of geology, prospecting and anomaly followup were completed.

iii) 15 km of high density magnetometer surveying were completed along with 3 km of dipole-dipole induced polarized orientation surveys.

ii) and iii) above were completed by CME Consulting Ltd. and all results were compiled by CME Consulting Ltd.

5.1 Geology

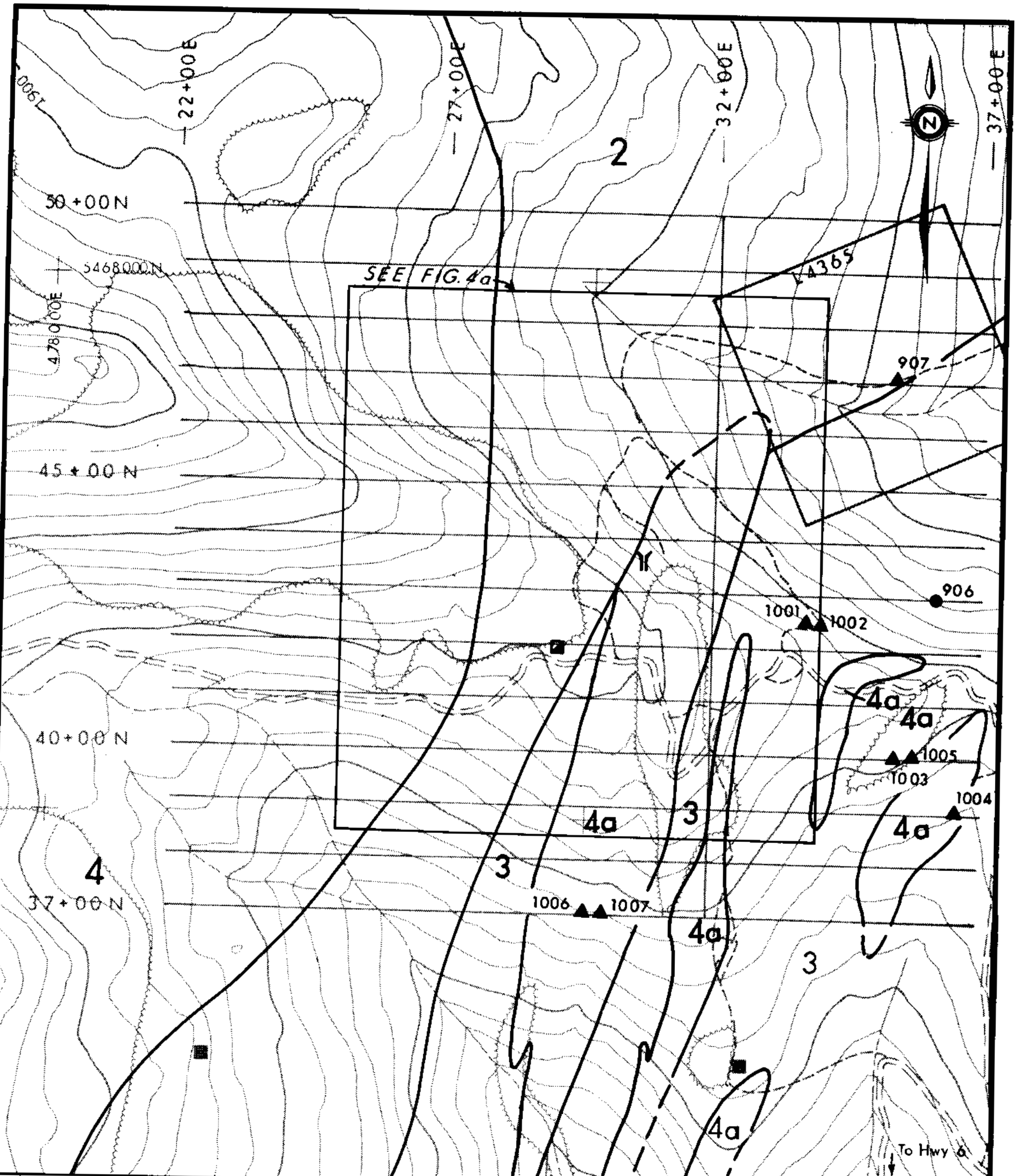
The area of bedrock exposure that was briefly prospected and mapped during a four-day visit occurs along a spur ridge top and in the area of historical workings found between lines 3700N and 4400N and between stations 2800E and 3200E.

Intrusive sedimentary and volcanic crusts are noted as follows.

Intrusives

The main intrusive body is the medium to coarse grained granodiorite Nelson Batholith which outcrops extensively to the west and covers the western third of the current grid. It appears to be of limited interest in terms of mineralization other than of late stage metamorphism of existing copper-gold-molybdenum bearing occurrences.

A second more complex phase or phases of intrusive activity is possibly coeval with the Elise Formation mafic flows. This intrusive activity has



LEGEND

GEOLOGY (Ref. A... 1988)

Jurassic

4 ... Intrusions

4a ... porphyry

Lower and Middle Jurassic

ROSSLAND GROUP

3 Hall Formation sediments

2 Elise Formation volcanics

SYMBOLS

Geological contact (approximate, assumed)

Rock sample (outcrop)

Soil sample

1991 grid

Shaft

Adit

0 200 300 400m

PROFESSIONAL GEOLOGIST ALBERTA
T.E. Gregory Hawkins
LICENSED TO PRACTISE

KATIE MINING CORP.

GEOLOGY AND ROCK SAMPLING

MAMMOTH PROJECT

NELSON MINING DIVISION

Project No:	10 A	By:	T.N.
Scale:	1 : 10 000	Drawn:	J.S.
Drawing No:	4	Date:	DEC. 1991

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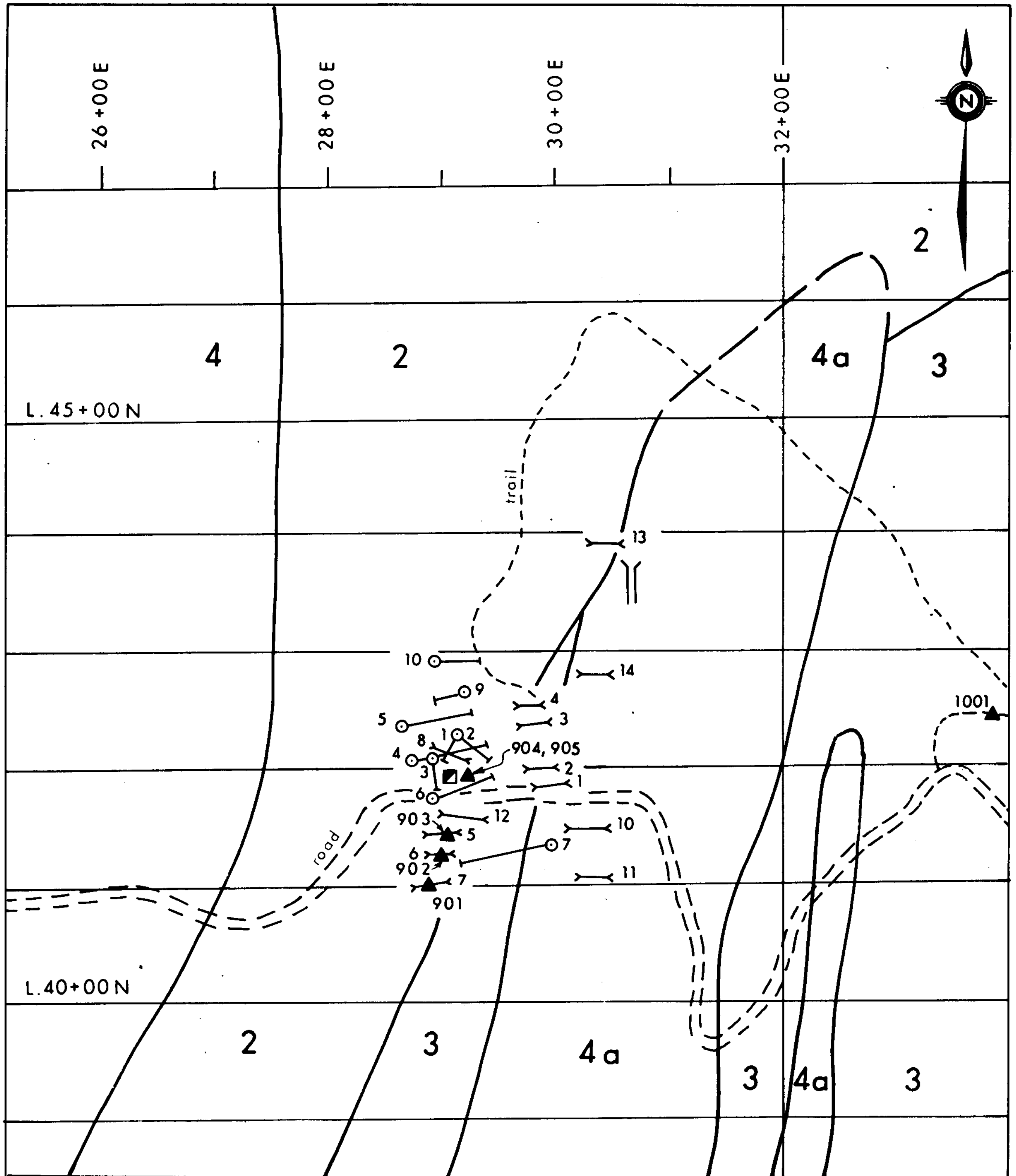

LEGEND

GEOLOGY (Ref Andrew and Hoy, 1988)

Jurassic
4 Nelson Intrusions
4a Diorite porphyry
Lower and Middle Jurassic
ROSSLAND GROUP
3 Hall Formation sediments
2 Elise Formation volcanics
1 Archibald Formation sediments

T. E. Gregory Hawkins

0 100 200m

SYMBOLS

Geological contact (approximate, assumed)
Rock sample (outcrop)
Soil sample
1991 grid
Trench
Drill hole
Shaft
Adit

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SHAFT AREA DETAILS
MAMMOTH PROJECT
NELSON MINING DIVISION

Project No	10 A	By:	T. N.
Scale:	1 : 5000	Drawn:	J.S.
Drawing No:	4 a	Date:	Dec. 1991

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not previously been mapped or differentiated in detail, but a collection of various related intrusive types in the vicinity has revealed the existence of ultramafic pyroxenite to micro diorite and quartz diorite, diorite porphyry and micro syenite.

Although the interrelationships are not understood, this highly variable suite suggests multiphased intrusive activity which is necessary for generating porphyry style mineralization.

This suite is altered to varying degrees by chloritization of mafics, alteration of pyroxene to amphiboles, sericitization of feldspars, intense silicification and quartz epidote veining.

A final stage of quartz feldspar porphyry dykes believed to be Tertiary in age transect the entire property from north-northeast to south southwest.

Volcanics

The Elise Volcanics, formed in a northerly pinching sliver in the southwest portion of the area of interest between the westerly Nelson quartz granodiorite and the Hall Formation sediments. This sequence of steeply easterly dipping, layered volcanics varies from augite porphyry flows to massive fine-grained basalt and agglomerate. The augite porphyry and augite diorites may be of a cogmatic suite of intrusives and extrusive lithologies.

Alteration of the volcanic suite is generally similar to that of the intrusive rocks with varying degrees of clay and sericite alteration of feldspars, silicification and minor epidote. Chloritization of mafics is also ubiquitous.

Hall Formation sediments are characteristically graphitic argillites and slatey argillites with 1% or greater disseminated pyrite. These units generate high zinc in soil geochemistry anomalies which may be used for mapping the argillite lithologies in areas of cover.

Mineralization

Historically classified as a skarn occurrence, some of the mineralization occurs in calc silicate, particularly at the shaft area. Calc silicate development may be derived from a small inlayer of limestone in the sedimentary sequence or from metamorphism of the carbonate rich argillites of the Hall Formation.

The high grade molybdenum is hosted by an epidote and carbonate rich zone with minor feldspar and quartz.

The most abundant sulphide rich metavolcanic rocks are typically highly siliceous, hornfelsed augite porphyry and basalt(?) with 1-10% sulphides including pyrrhotite, pyrite, chalcopyrite, and minor molybdenum, sphalerite.

The primary reason for resampling Elise targets was to try and establish a relationship between copper and gold and and it is reasonable to say that in the area of the old workings, higher grade copper gave higher gold values up to 0.07 oz/T from 1.52% copper. The % copper to oz/T gold ratio varied from 22:1 to 38:1.

Other styles of mineralization included polymetallic, vertical dipping east-west(?) striking quartz-lead-zinc veins in the northeastern area of the grid which assayed 0.5% Pb, 0.80% Zn, 0.003 oz/T gold, 2.30 oz/T silver from grabs. This mineralization is believed to be unrelated to the copper-gold mineralization above.

Finally, high grade gold arsenic values were obtained in two narrow 1.0-5.0 cm quartz veins. Vertically dipping and striking east-west through medium-grained feldspar porphyry, they were discovered adjacent to gold arsenic soil anomalies located 200 metres east of the of the main showings. Assays included up to 0.940 oz/T gold and 2.4% arsenic.

Soil Geochemistry

854 B horizon soil samples were collected with a mattock at 25 metre intervals along all cut lines. The soils were analyzed geochemically for gold and by inductively coupled plasma (ICP) for thirty other elements.

Anomalies were indicated in copper, zinc, lead, gold, silver, arsenic, and molybdenum. The following background statistics, all in ppm except for Au (ppb), have been generated for each of the above elements:

		Mean	SD	Threshold
Copper	(Cu)	49	26	101
Zinc	(Zn)	105	55	215
Lead	(Pb)	22	12	46
Gold	(Au)	3.9	2.6	9.1
Silver	(Ag)	0.6	0.5	1.6
Arsenic	(As)	11	10	31
Molybdenum	(Mo)	3	2	7

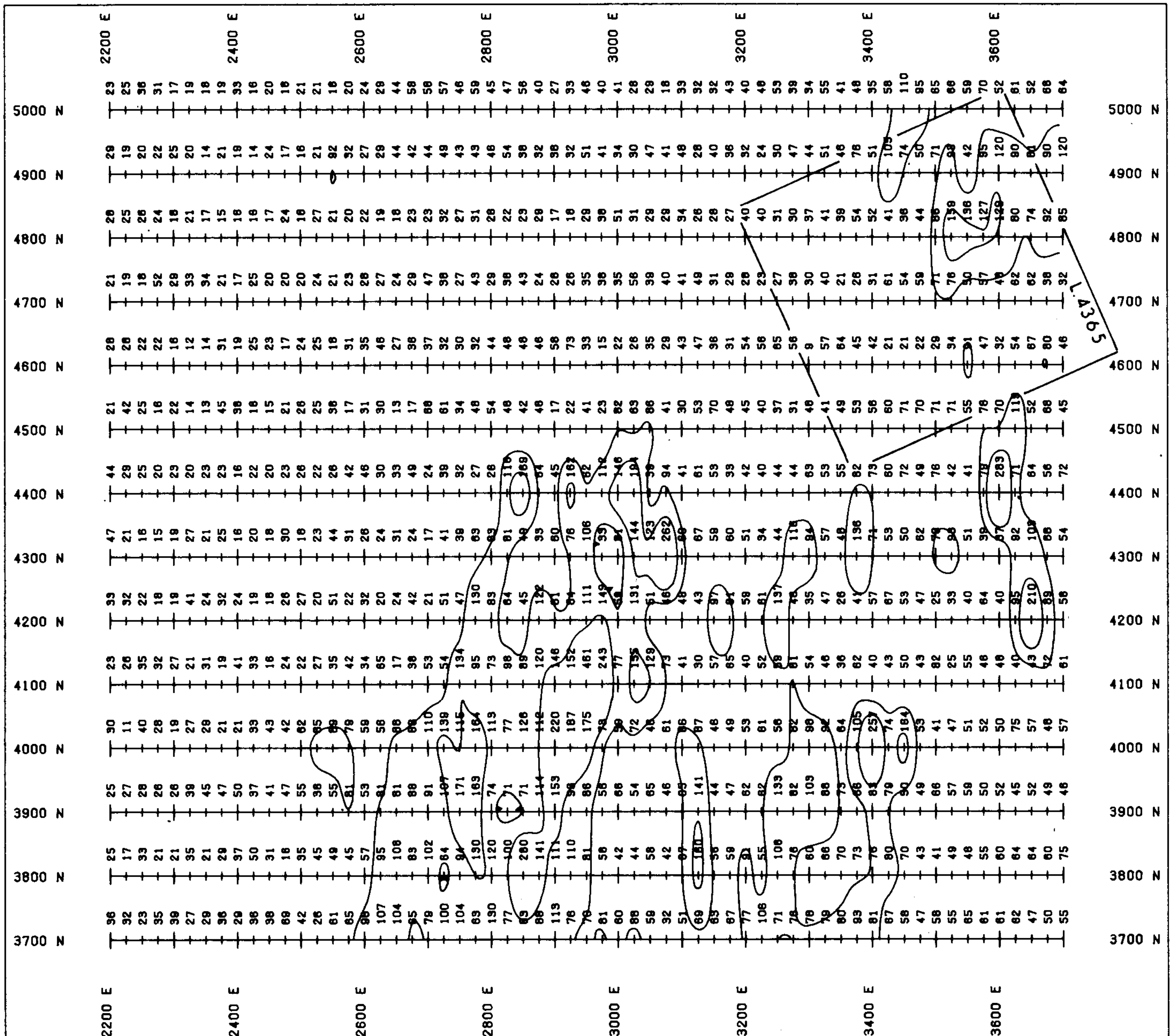
Of the anomalies that were noted, only the copper, gold, zinc and silver were considered significant.

Copper (Fig. 7)

A copper high indicated by > 75 ppm Cu in soils extending from L44N between 28E and 31E south to L37N between 26E and 29E coincides with known copper mineralization and follows a known regional strike. It is open to the south.

A second copper anomaly from L45N to L42N on the eastern extremities of the grid requires followup.

A third copper anomaly centred around L48N between 35E and 36E is a reflection of known east-west trending quartz carbonate veins that are anomalous in Pb, Zn, Ag and elevated in Cu and Au.

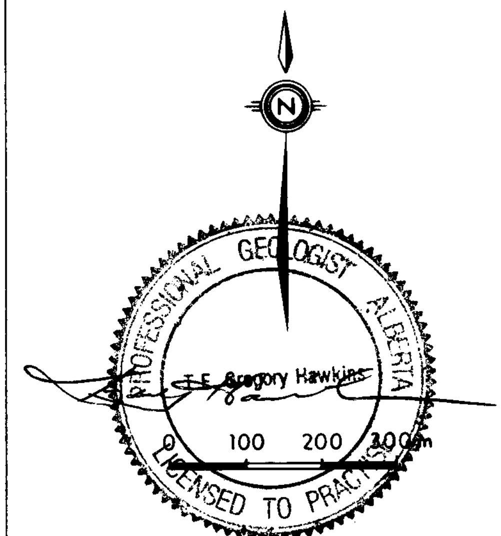


LEGEND

61 — Copper(ppm)

Grid line

Contours : 75, 126 ppm



NTS 82F/6

KATIE MINING CORP.

SOIL GEOCHEMISTRY-COPPER

MAMMOTH PROJECT

YMIR, B.C.

Project No:	P 10 A	By:	C.N.
Scale:	1: 10000	Drawn:	C.N.
Drawing No:	7	Date:	Dec. 1991.

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<u>Zinc</u> (Fig. 8)

A zinc trend high defined by > 160 ppm Zn lies between L41N and L37N and between stations 30E and 35E. This anomaly is believed to be derived from generally high Zn background pyritic, argillaceous sediments of the Hall Formation as the soil geochemistry roughly mirrors the area known to be underlain by these rocks. The highest of the Zn in soil numbers are in areas of Hall Fm outcrop. The anomaly is open to the south.

A second zinc anomaly in the eastern extremity of L45N to L43N and coincident with a copper anomaly requires followup.

A third zinc anomaly centred at L48N and between stations 35E and 36E is a direct reflection of east-west trending quartz carbonate veining that assayed up to 0.8% Zn.

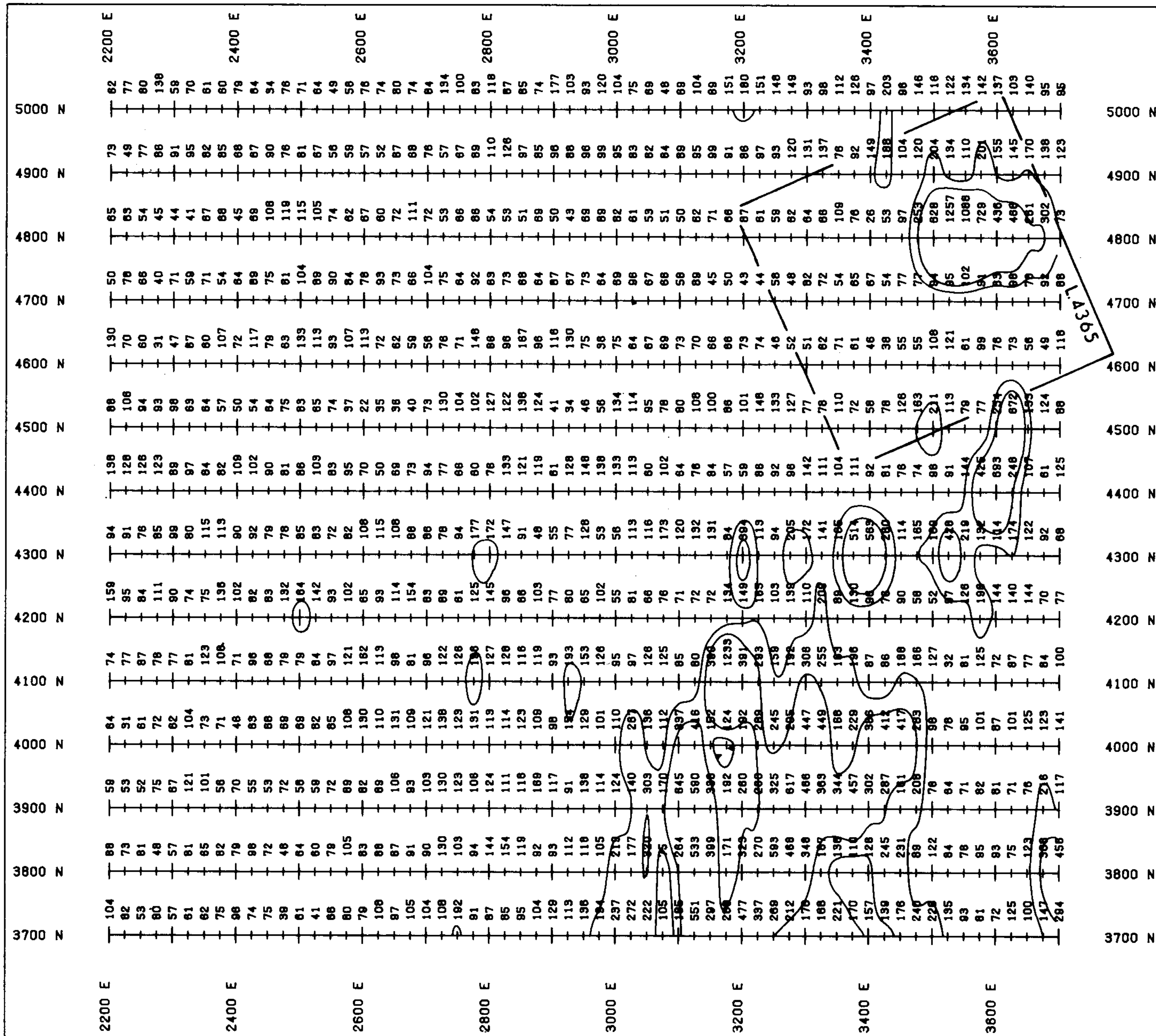
<u>Gold</u> (Fig. 5)

Spot high gold anomalies defined by > 12 ppb Au are sporadic and widespread. The most significant highs occur as multi sample anomalies with coincident multi element highs as follows.

The first, at L44N 36E is a Cu-Zn-Ag + Au anomaly in an area of overburden, was not explained by any mineralization in rock. A check sample of soil returned moderately anomalous copper (108 ppm) and gold (40 ppb), plus 297 ppm arsenic.

The second anomaly, coincident in gold and arsenic, at L40N 35+75E was found to be in an area of outcropping feldspar porphyries. Small arsenopyrite-bearing quartz stringers to 5 cm were found that assayed up to 2.4% As and 0.94 oz/T gold.

A third coincident gold-arsenic anomaly at 3000E, 3700N was followed up in an area of feldspar porphyry and heavily pyritized volcanics with minor east-west quartz veins, samples of which returned slightly anomalous gold to 30 ppb. Further followup is required.

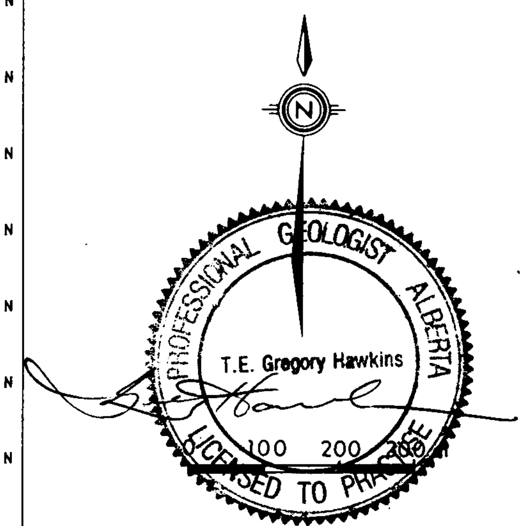


LEGEND

95 ← Zinc (ppm)

Grid line

Contours : 160, 269 ppm



NTS 82F/6

KATIE MINING CORP.

SOIL GEOCHEMISTRY - ZINC

MAMMOTH PROJECT

YMIR, B.C.

Project No:	P 10 A	By:	C.N.
Scale:	1: 10 000	Drawn:	C.N.
Drawing No:	8	Date:	Dec. 1991.

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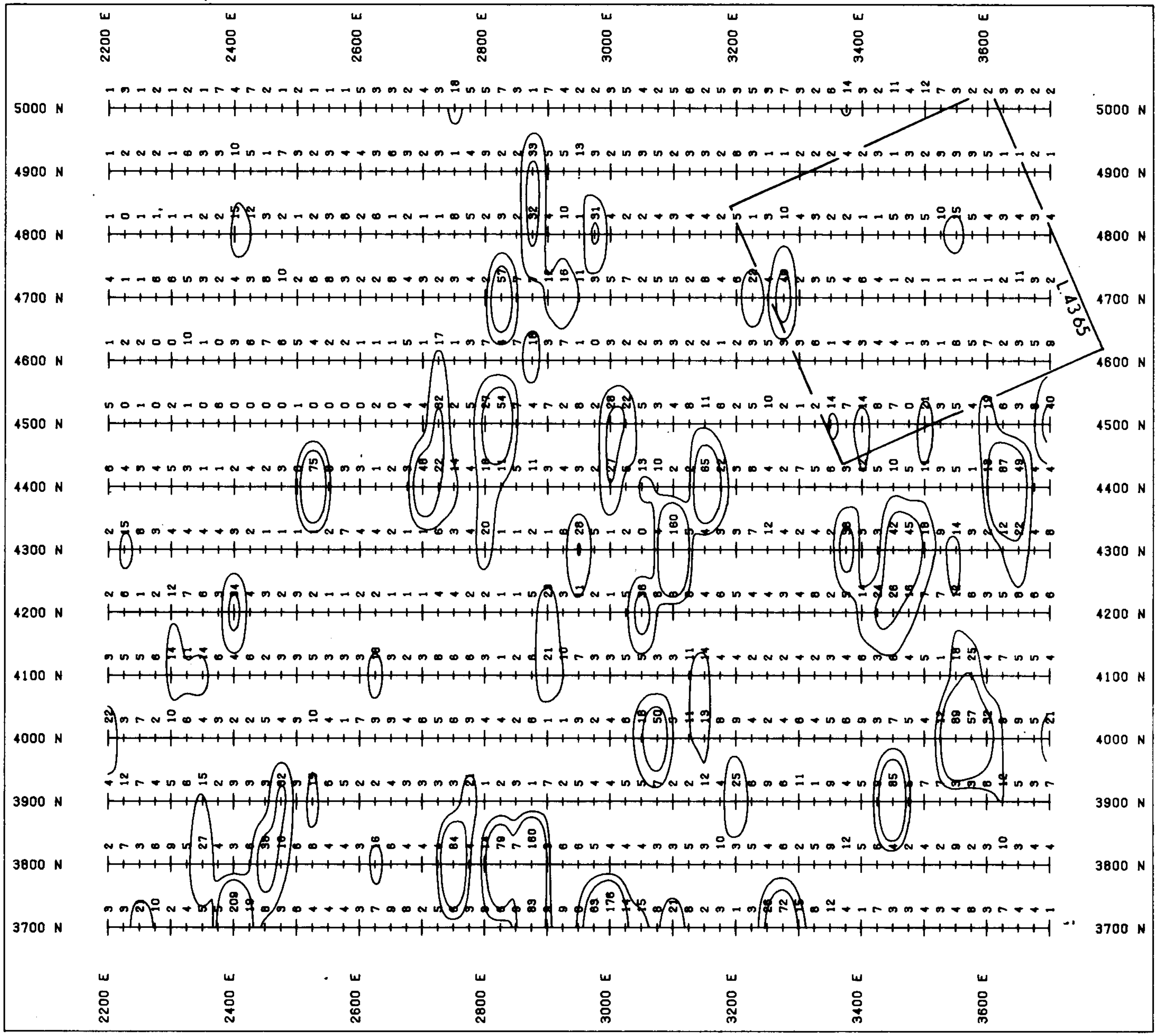

LEGEND

Gold (ppb)

Grid line

Contours : 11, 22 ppb

0 100 200 300 m

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SOIL GEOCHEMISTRY - GOLD
MAMMOTH PROJECT
YMIR, B.C.

Project No:	P 10 A	By:	C. N.
Scale:	1 : 10 000	Drawn:	C. N.
Drawing No:	5	Date:	Dec. 1991.

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Silver (Fig. 6)

One large anomaly defined by > 1.1 ppm Ag encompasses anomalies 2 and 3 for copper and zinc and occurs between L50N and L42N between 34E and the eastern extremities of the grid. The northern portion of the anomaly centres around L48N 36E in the vicinity of known east-west trending quartz carbonate veining that assayed up to 2.3 oz/T Ag. The southerly lobe of the anomaly centres around L44N 36E and is unexplained, requiring followup.

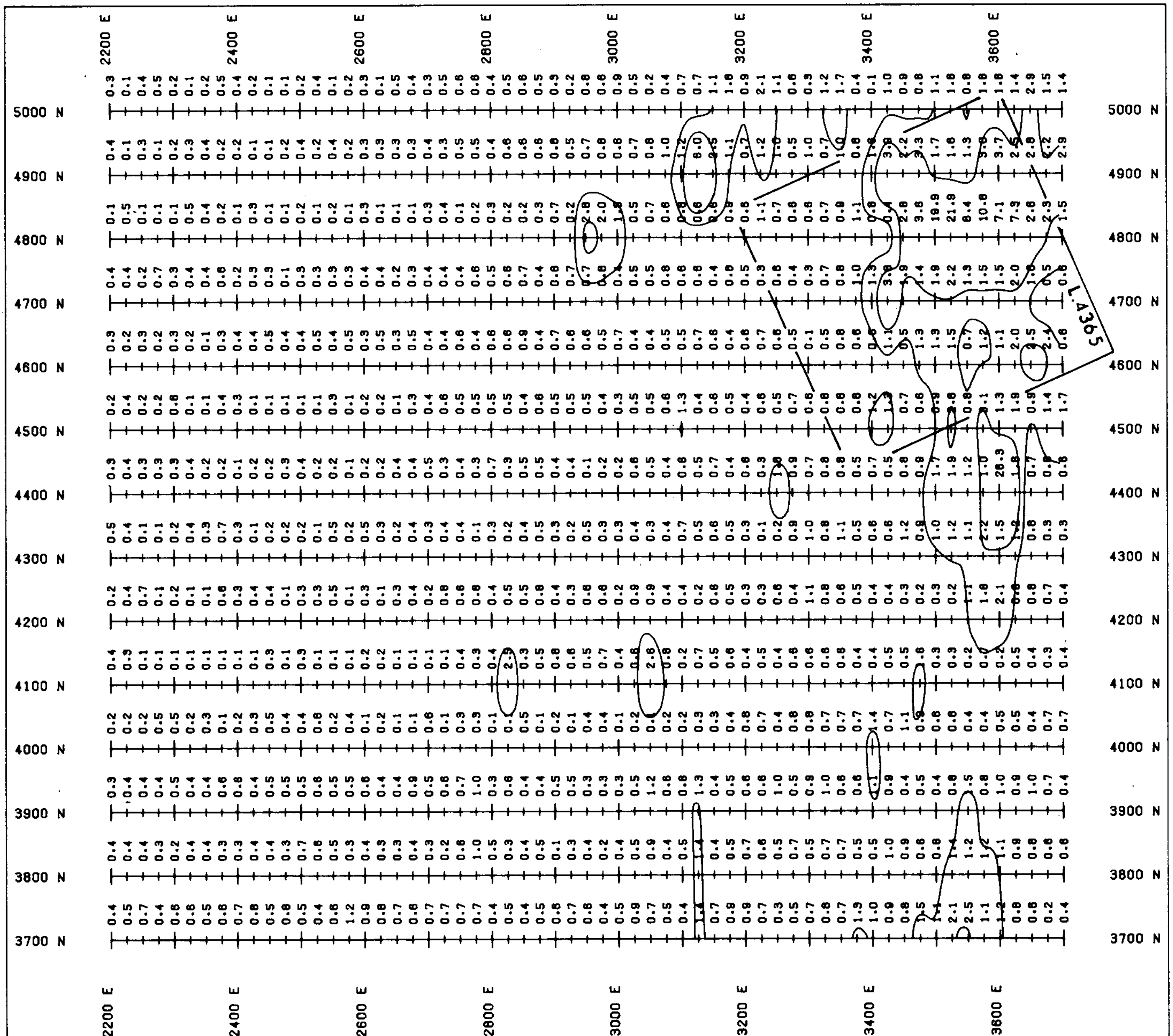
5.2 Geophysics

Magnetic and I.P./Resistivity surveys were carried out in September 1991 on the Mammoth Project near Salmo, B.C. for Katie Mining Corp. by CME Consulting Ltd.

The surveys were executed with the objective of detecting polymetallic sulphide systems and delineating lithological and structural features which control or influence said systems. These surveys were intended as tests to establish the efficacy of these techniques as part of the property assessment process and to help to establish parameters by which the claim group might be effectively explored.

The total field magnetic survey was carried out using a GSM19 magnetometer programmed to record at one second intervals, as the operator walked down the line (see accompanying specifications sheet).

The Induced Polarization/Resistivity measurements were carried out using a 6-channel BRGM Elrec-6 I.P. receiver and a Huntec 2.5 KVA transmitter/motor generator system. These measurements were taken in the Time Domain mode with a current cycle of +2 sec./0l-2 sec./0. The I.P. receiver was programmed to Mode III (see accompanying specifications sheet). A dipole-dipole array was employed with an "a" spacing of 25 metres and "n" levels 1 through 6.



LEGEND

1.0 ← Silver (ppm)

Grid line

Contours : 1·1, 2·2 ppm

N

0 100 200 300

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KATIE MINING CORP.

SOIL GEOCHEMISTRY - SILVER

MAMMOTH PROJECT

YMIR, B.C.

Project No:	P 10 A	By:	C.N.
Scale:	1 : 10000	Drawn:	C. N.
Drawing No:	6	Date:	Dec. 1991.

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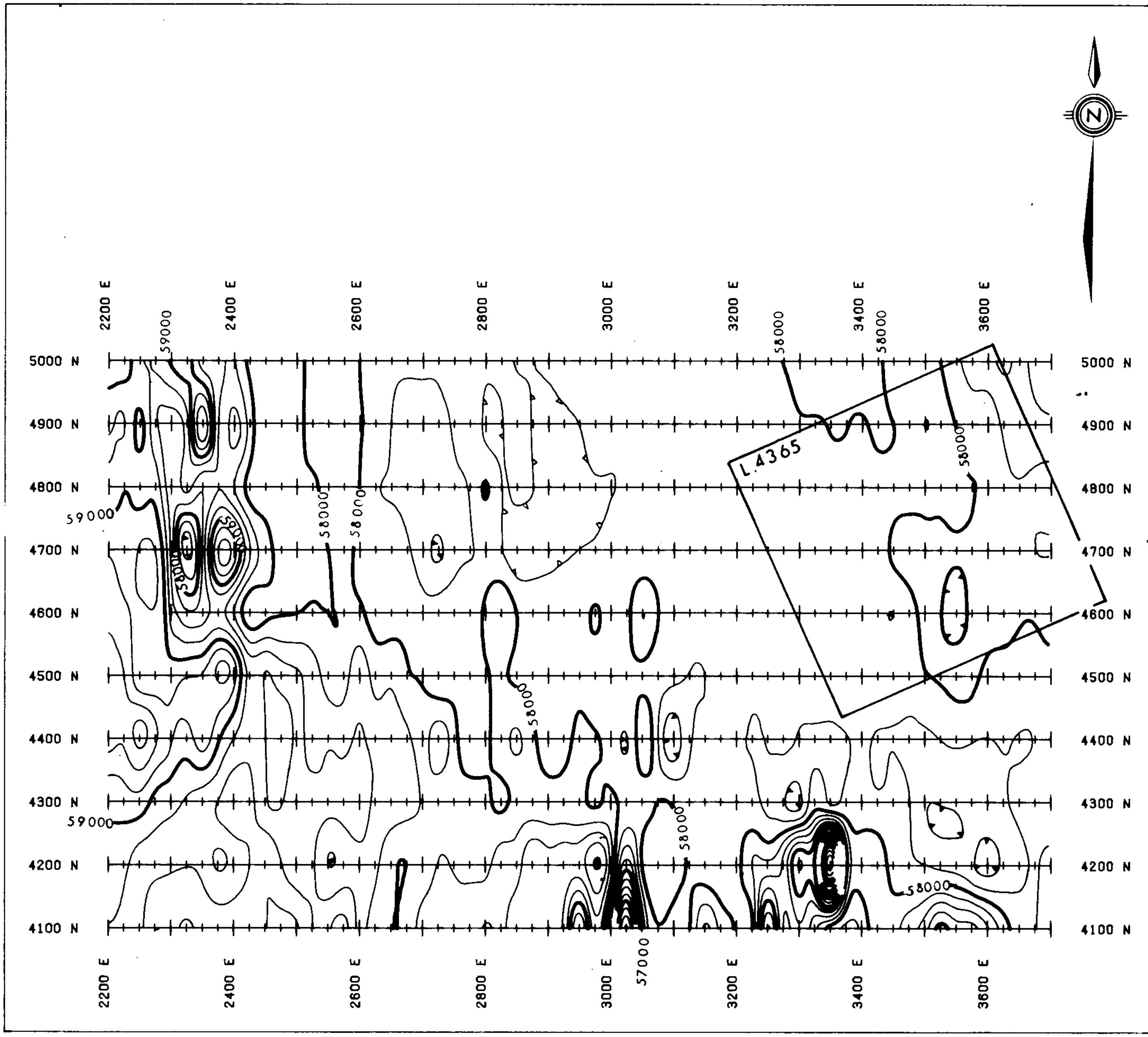

LEGEND

Grid line

Contour interval 250 nT

Instrument : Gem Systems GSM-19
High density mode

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0 100 200 300 m

NTS 82F/6

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TOTAL FIELD MAGNETICS
MAMMOTH PROJECT
YMIR, B.C.

Project No:	P 10 A	By:	C.N.
Scale:	1 : 10 000	Drawn:	C.N.
Drawing No:	9	Date:	Dec. 1991.

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The total field magnetic survey was carried out over lines 41N through 50N from 2200E to 3500E. Further surveying was curtailed due to lack of cut and chained lines.

The I.P./Resistivity survey was carried out over 3 lines only. Lines 4100N, 4200N, and 4300N were selected.

The total chargeability M(+) and resistivity (calculated in ohm-metres) data are presented in pseudosection format plotted on a topo corrected ground line. Geochemical results, Ag, Au, Cu, and Zn were later added to this data presentation. The high density magnetic profile is presented with a horizontal ground line.

Results

In general, the survey results provide information beneficial to the assessment of the property in regard to the potential for polymetallic sulphide systems. As well, boundaries of the various lithologic units are defined and some optimism regarding continuity and increase in the sulphide content to the depths of penetration of the I.P. array is apparent.

There is a general increase in the chargeability effect from Line 4300W to Line 4100N. The resistivities display a similar pattern. An increase in magnetic activity is also coincident with these trends.

Resistivities on Line 43N are generally moderate, 2K-6K ohm-metres from 2600E to 3700E. A narrow, high resistivity feature from 2950-3000E indicates increase in silicification in this area. A decrease in resistivities at 3575E to 3900E indicates a lithologic change.

Chargeabilities

Line 4300N

A very subtle narrow surface anomaly occurs near station 2950E. A broader chargeability feature that persists to depth occurs from 3000E to 3075E. A subsurface subtle chargeability occurs between 3150E-3175E. A broad moderate feature is delineated from 3300E to 3375E. This feature may be faulted near 3375E and continue to 3425E. A final moderate chargeability feature, somewhat better at depth is found from 3500 to 3575E.

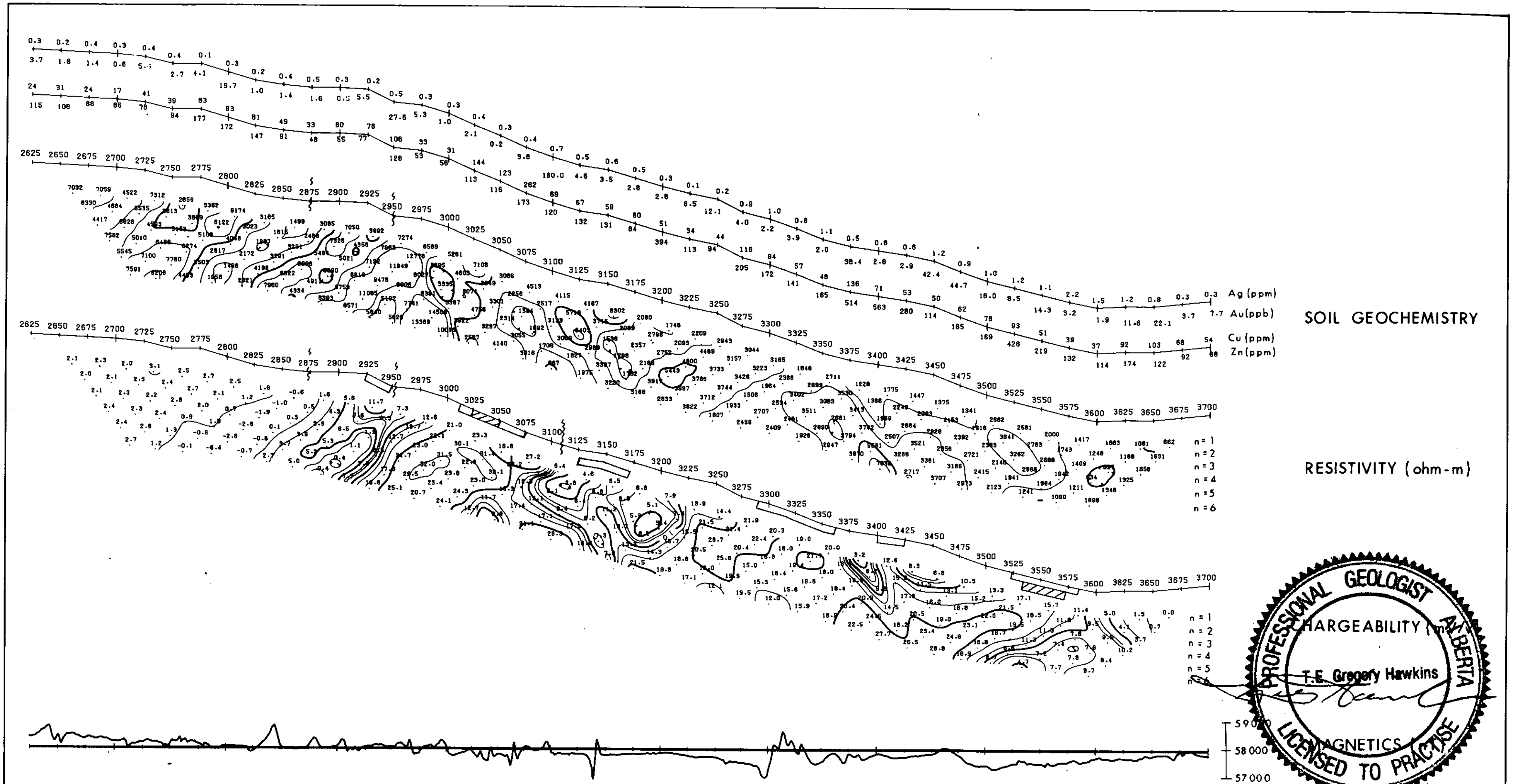
The magnetic profile indicates a homogeneous unit from 3150E to 3300E, a second more variable unit from 3300E to 3400E, and third from 3525E to 3700E.

Line 4200N

Resistivities: A moderate resistivity response is delineated from 2975E to 3025E with a possible fault near 3050E. Another narrow, deeper moderate resistivity feature is apparent from 3050-3075E. Another subtle deep feature is identified at 3125E-3150E. There is a moderate resistivity response from 3200-3225E, contact at 3300E, and moderate to low resistivities from 3300-3400E. This resistivity package plunges beneath more resistive surface unit from 3425E to 3700E.

Chargeabilities: Good M(+) feature from 2950 to 3025E. There is a possible fault near 3050E. There is a narrow M(+) feature which is much better at depth from 3050-3075E. Moderate M(+) feature from 3175E to 3700E.

There is a generally better M(+) response near surface except from 3200 to 3250E. Also M(+) response is coincident with plunging good resistivity response from 3425E to 3700E. Magnetic profile indicates increased level of activity relative to Line 4300N. Area of high mag gradient from 2925E to 3050E and from 3200E to 3400E.



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TERRAIN-COMPENSATED IP

3100 Grid line with station locations

Instrument: BRGM ELREC-6 receiver
Huntec 2.5 kW transmitter

Dipole-Dipole Array

A NA A

n = 1, 2, 3, 4, 5, 6
"a" spacing = 25 m
2 second pulse rate

LEGEND

RESISTIVITY AND CHARGEABILITY ANOMALIES

Shallow
deep

Weak
Medium
Strong

TOTAL FIELD MAGNETICS PROFILE

Grid line with reading locations

Instrument: GEM Systems GSM-19
High density mode

Base value: 58 000 nT
Vertical scale: 1 cm = 2000 nT

NTS 82F/6

0 50 100 150 200 m

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COMPILATION SECTION
L 43+00N
MAMMOTH PROJECT
NELSON MINING DIVISION

Project No:	10 A	By:	C.N.
Scale:	1: 5000	Drawn:	C.N., J.S.
Drawing No:	12	Date:	NOVEMBER, 1991.

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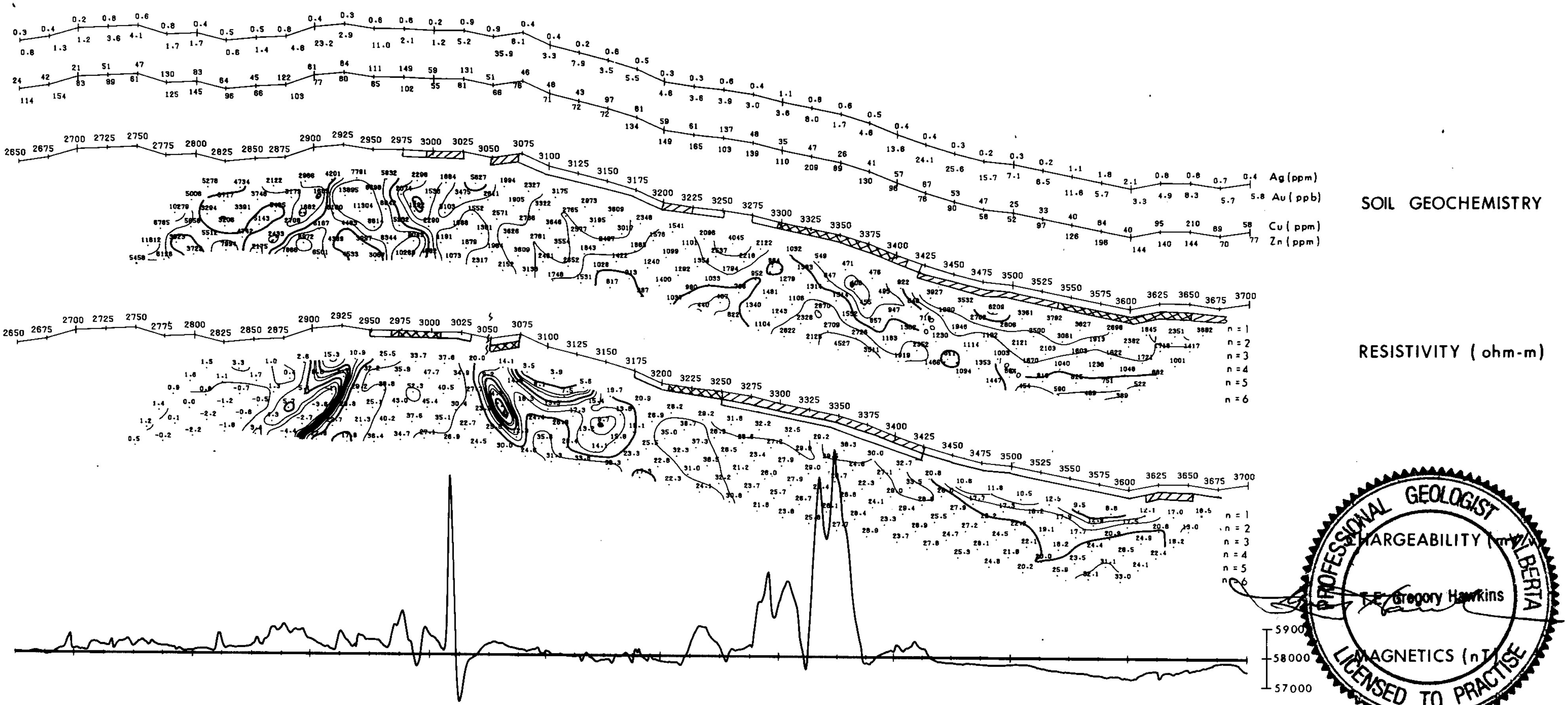

TERRAIN-COMPENSATED IP

3100 Grid line with station locations

Instrument: BRGM ELREC-6 receiver
Huntec 2.5 kW transmitter

Dipole-Dipole Array

A NA A

n = 1, 2, 3, 4, 5, 6

"a" spacing = 25 m

2 second pulse rate

LEGEND

RESISTIVITY AND CHARGEABILITY ANOMALIES

Shallow
deep

Weak
Medium
Strong

TOTAL FIELD MAGNETICS PROFILE

Grid line with reading locations

Instrument: GEM Systems GSM-19
High density mode

Base value: 58 000 nT

Vertical scale: 1 cm = 2000 nT

NTS 82F/6

0 50 100 150 200 m

KATIE MINING CORP.

COMPILATION SECTION
L 42+00 N
MAMMOTH PROJECT
NELSON MINING DIVISION

Project No:	10 A	By:	C.N.
Scale:	1:5000	Drawn:	C.N., J.S.
Drawing No:	11	Date:	NOVEMBER, 1991.

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Chargeabilities: Good M(+) feature from 2950 to 3025E. There is a possible fault near 3050E. There is a narrow M(+) feature which is much better at depth from 3050-3075E. Moderate M(+) feature from 3175E to 3700E.

There is a generally better M(+) response near surface except from 3200 to 3250E. Also M(+) response is coincident with plunging good resistivity response from 3425E to 3700E. Magnetic profile indicates increased level of activity relative to Line 4300N. Area of high mag gradient from 2925E to 3050E and from 3200E to 3400E.

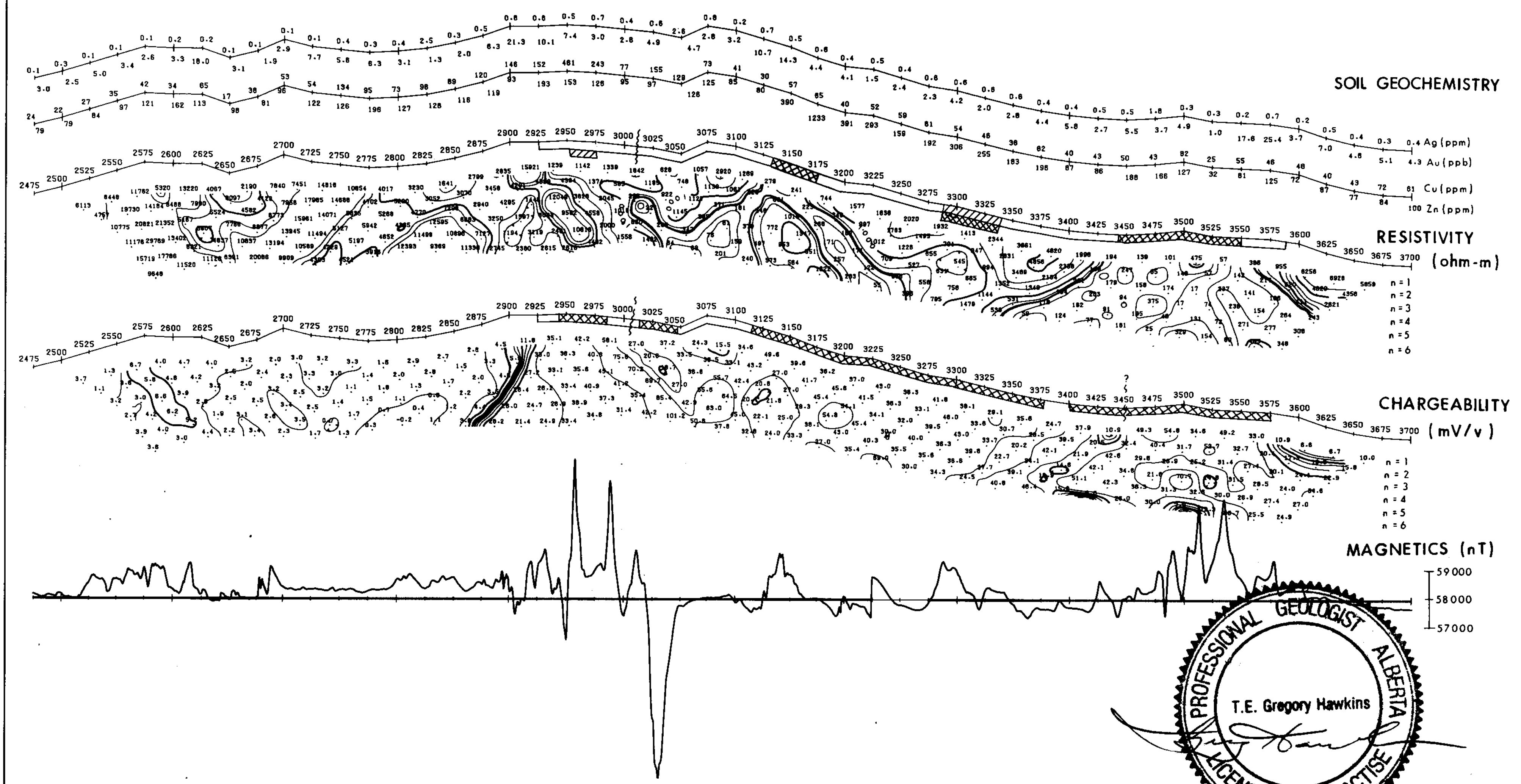
<u>Line 4100N</u>

Resistivities: Moderate to low response from 2925E to 3600E at depth. Near surface local areas of higher resistance cap rock at 3075 to 3100E, 3250 to 3275E, and 3350 to 3425E. Contact with higher resistance rock type from 3600E to East.

Chargeabilities: [M(+)] Good response from 2925E to 3575E. Some local narrow features of very good M(+) response, 2950E to 2975E increasing good to depth 3025 to 3050E, 3125E to 3175E, near 3425E and from 3450E to 3475E.

Again, increased level of magnetic response from 2900 to 3600E.

The nature of the a = 25 m dipole-dipole response indicates the potential for increasing sulphides at depth and, as well, the targets delineated on the three lines surveyed are of sufficient size to respond to a larger "a" spacing. If further I.P. surveying is carried out on the property, larger "a" spacing (ie. 50 m) is suggested and an array such as pole-dipole or "real" section is recommended.



LEGEND

TERRAIN-COMPENSATED IP

3100 Grid line with station locations

Instrument: BRGM ELREC-6 receiver
Huntec 2·5 kW transmitter

Dipole-Dipole Array

n = 1, 2, 3, 4, 5, 6

"a" spacing = 25m

2 second pulse rate

RESISTIVITY AND CHARGEABILITY ANOMALIES

Shallow
deep

Weak
Medium
Strong

TOTAL FIELD MAGNETICS PROFILE

Grid line with reading locations

Instrument: GEM Systems GSM-19
High density mode

Base value: 58 000 nT

Vertical scale: 1cm= 2000 nT

NTS 82F/6

0 50 100 150 200m

[illegible] MINING CORP.

COMPILATION SECTION
L 41+ 00N
MAMMOTH PROJECT

NELSON MINING DIVISION

Project No:	10 A	By:	C.N.
Scale:	1 : 5000	Drawn:	C.N., J.S.
Drawing No:	10	Date:	NOVEMBER, 1991.

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6.0 PROPOSED WORK PROGRAM, 1992

The success of the 1991 combined geophysics, geochemistry and geological prospecting in locating mineralization justifies the continued exploration of the property by those methods. An additional 14 km of linecutting and soil sampling grid extension to the south is required to complete the preliminary grid coverage from line 36+00N to line 29+00N and from station 22+00E to station 42+00E at 25 m station intervals. Geophysics coverage will require completion of the high density magnetic surveys from line 40N to line 29N inclusive for a total of 20.5 km. 31.0 km of dipole-dipole induced polarization coverage is also required.

Detailed prospecting and geology should be completed with particular reference to the intrusive rocks in and around the main showings area. This is best completed following completion of the grid surveys so that direct followup of anomalies can be effected.

Following Phase II above, preliminary drilling of 1,000 m is proposed on the main showing and anomalies generated by the survey extension.

The following cost estimate is proposed:

Phase II

i)	Line cutting and soil sample collection			
	14 km @ $600/km		$ 8,400	
	Soil analysis 140 @ $14		1,960	
				$ 10,360
ii)	Geophysics			
	Magnetics	21 km @ $120/km	2,520	
	I.P.	31 days @ $1750/day	54,250	
	Processing		2,000	
				58,770

iii)	Geology and Prospecting 15 days @ $400/day Costs 50/day	$ 6,750
iv)	Consulting: 10 days @ $600	6,000
v)	Report Preparation	5,000
		86,880
vi)	Administration (15%)	6,000
vii)	Contingency (10%)	9,300
	Phase II Total	$102,180

Phase III

Drilling - 1000 feet @ $80/foot	80,000
Contingency (10%)	8,000
Report	5,000
Phase III Total	$ 93,000

7.0 CONCLUSIONS

1) The main mineralization at the Mammoth property is distributed in highly silicified pyritized volcanics accompanied by a multiphased intrusive suite of coeval to intrusive stocks and dykes ranging from pyroxenite and diorite to microsyenite, and feldspar porphyry in contact with the Nelson batholith.

2) The previously reported copper-molybdenum mineralization is associated with semimassive to massive pyrrhotite and pyrite, which provides a notable magnetics, resistivity and chargeability signature.

3) Soil sampling has successfully been used to locate three kinds of mineralization in quartz-lead-zinc-silver veins, auriferous arsenopyrite veins and the copper-molybdenum mineralization.

4) Gold has been demonstrated to accompany the high grade copper values on the main zone area.

5) Continued grid extension and surveying by geochemical and geophysical means would assist in delineating areas of interest.

6) Drilling will ultimately be required to confirm the historical grades of copper demonstrated by drilling in 1972 by Welland Drilling Ltd.

8.0 RECOMMENDATION

An additional grid extension to give total coverage of the preliminary target area of 35 km is recommended to include soil sampling, high density magnetics and induced polarization surveys.

Confirmation drilling of the main showing and its extension is also recommended.

The cost for this recommended program is estimated to total $190,000.

Respectfully submitted

T. Greg Hawkins, PGeol.

June 15, 1992
Vancouver, B.C.

CERTIFICATE

I, T.E. Gregory Hawkins, do hereby certify:

1. That I am a Consulting Geologist with business offices at 2406-555 West Hastings St., Vancouver, B.C. V6B 4N5.

2. That I am a graduate in geology of The University of Alberta, Edmonton (BSc. 1973), and of McGill University, Montreal (MSc. 1979).

3. That I have practised within the geological profession for the past nineteen years.

4. That I am a Fellow of the Geological Association of Canada and a Professional Geologist registered in the Province of Alberta.

5. That the information contained herein is based on field work on the subject property, and a review of relevant literature.

T.E. Gregory Hawkins, PGeol.

Vancouver, B.C.
June 12, 1992

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Walcott, P.E. 1972 A Report on a Ground Magnetometer Survey, Nelson Area, B.C.; for Welland Consolidated Mining Ltd. NPL; Oct. 1972 AR 4034

APPENDIX I

List of Personnel and Statement of Expenditures

CME

LIST OF PERSONNEL AND STATEMENT OF EXPENDITURES

Personnel:

T.G. Hawkins, PGeol. 15 days @ $650		$9,750	
K. Murray 5 days @ $175		875	
D. Murray 25 days @ $175		4,375	
J. Murray 25 days @ $175		4,375	
J. Denny 15 days @ $175		2,625	
T. Neale, BSc. 9.5 days @ $350		3,325	
Z. Duchoslav, MaSc. 4.5 days @ $350		1,575	
D. Morrison 6.5 days @ $350		2,275	
J. Zackodnik 4.5 days @ $175		787.50	
J. Vaness 4.5 days @ $175		787.50	
C. Naas, BSc. 9.5 days @ $267		2,536.50	
J. Lang 4.5 days @ $175		787.50	
			$34,074

Disbursements:

Room and Board	30.5 mandays @ $60	1,830	
Trucks	21 days @ 90	1,890	
	33 days @ 60	1,980	
Geophysics Equipment (Mag, IP)	4.5 days	3,240	
Map		4,000	
Geochem		9,595	
Assays		333	
Report Costs (copying, drafting)		2,170	
Caterpillar road work		864	
Miscellaneous (telephone, courier, shipping		1,905	
			27,807
Administration			3,359
			$65,240

APPENDIX II

Rock Sample Descriptions and Results

Sample	Description	Cu ppm	Pb ppm	Zn ppm	Au ppb	Ag ppm	Other ppm
91100901	Grab sample of heavily mineralized rubble outcrop from SW corner of Trench no. 7 (Evans, Dec. 1984) in vicinity of high gold values reported previously. Highly siliceous/hornfelsed and dense augite porphyry with 8-10% sulphides in disseminations, 3% chalcopyrite, 5-7% pyrrhotite. Dark rust-brown weathering, grey/green on fresh surface.	13125 (1.52%)		711	2340 (0.070 g/t)	18.9 (0.57 g/t)	
91100902	Grab sample of heavily mineralized outcrop rubble from Trench no. 6 (Evans, Dec. 1984) at Line 41+00N, Station 29+00E, as at 901.	8692 (1.10%)			1460 (0.043 g/t)	13.8 (0.42 g/t)	
91100903	Grab sample of heavily mineralized outcrop/rubble from SE corner of Trench no. 15 (Evans, Dec. 1984) in vicinity of previously reported high gold values. Trench 15 is characterized by mineralization similar to 901/902 with increased east-west veining and shearing accompanied by more intense carbonatization and carbonate veining to 2 cm. Control on chalcopyrite mineralization is, at least in part, east/west.	565			20	2.9	W 464
91100904	Chip sample along north side of Trench no. 9 (Evans, Dec. 1984) immediately east of the shaft along 8.0 m. Material is variably mineralized in pyrrhotite, chalcopyrite, molybdenum, trace sphalerite in hornfelsed and silicified grey-green mafic volcanic breccia. Mineralization control is variably E-W and N-S with more intense sulphides at the western end of the trench, directly adjacent to the shaft.	1847 (0.19%)			150 (0.006 g/t)	3.3 (0.08 g/t)	Mo 108
91100905	Chip sample along east side of shaft (west end of Trench no. 9 above) along 3.0 m in heavily mineralized molybdenum locally to 2% and chalcopyrite locally to 3%. Very dark red-brown weathered surface with little or no leaching due to density and silicification.	7163 (0.76%)			630 (0.020 g/t)	13.7 (0.36 g/t)	Mo 511
91100906	Check soil sample taken from L40+00N, Station 3600E in the vicinity of gold/arsenic soil geochemical anomaly. No outcrop.	108			40		As 297

Sample	Description	Cu ppm	Pb ppm	Zn ppm	Au ppb	Ag ppm	Other ppm
91100907	Grab sample of old prospect pit rubble from site of very high Pb, Zn, and Ag soil geochemistry, L48+00N, 35+75E. Fine grained mafic volcanic host of E-W(?) trending quartz (90%), carbonate (5%), sulphides (2-3%) vein up to 10 cm. Quartz vein in sugary crystalline (Phase I) to amorphous white (Phase 2) with lineations of disseminated galena, sphalerite, pyrite in first phase quartz. Ochre-orange oxide after lead in vuggy leached portions to 3%.		4899 (0.50%)	8200 (0.80%)	80 (0.003 g/t)	77.0 (2.30 g/t)	Cd 247, Sb 48, W 216
91101001	Chip sample along road outcrop; south side of road at 42+50N, 33+50E across 10.0 m. Outcrop comprises rust weathering N-S fractures and jointed friable meta pelitic sediments in contact with diorite dyke to the east. Sulphides increase towards contact and consist of pyrrhotite and pyrite.	125	-	336	20	0.4	-
91101002	Heavily mineralized, dark rust red, "high grade" meta sediment from 1001 site above, near contact.	503			30	0.2	Mo 87
91101003	Grab sample of rubble crop, L 40+00N, 35+50E at As-Au soil geochemical anomaly. E-W(?) quartz veins to 50 cm cross out feldspar porphyry intrusives and contain locally 5% arsenopyrite.				31000 (0.940 g/t)	2.7 (0.08 g/t)	As 897, Bi 154
91101004	Grab sample of outcrop at L 38+75N, station 36+75E, deuterically(?) altered, medium grained feldspar porphyry, silica flooding and pyritization with fine disseminated pyrite to 2%.	53			20	0.4	
91101005	Grab sample, L 40+00N, 35+65E, as at 003.				5600 (0.200 g/t)	0.6 (0.01 g/t)	As 24386, Bi 57, Co 127
91101006	Grab sample of 1.0 cm quartz vein at L 37+00N, 29+75E in vicinity of high As-Au soil geochemistry. Abundant very rusty meta volcanic in contact with intermediate intrusive dyke/ . Accompanying silicification, pyritization and quartz veining.	130			30	0.4	
91101007	Grab sample of host meta volcanics at 006 with intense silicification and pyrite and pyrrhotite to 8.0%.	92			30	0.6	

APPENDIX III

Soil Geochemistry Results

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

To : CME CONSULTING LTD.
#2405-555 WEST HASTINGS STREET
VANCOUVER, B.C.

Project: 10 A
Type of Analysis: ICP

Certificate: 91309
Invoice: 30039
Date Entered: 91-10-20
File Name: CME91309.I
Page No.: 1

PRE FIX	SAMPLE NAME	PPM MO	PPM CU	PPM PB	PPM ZN	PPM AG	PPM NI	PPM CO	PPM MN	% FE	PPM AS	PPM U	PPM AU	PPM HG	PPM SR	PPM CD	PPM SB
A	91100901	6	13125	8	711	18.9	82	123	449	5.93	82	5	ND	ND	60	5	8
A	91100902	10	8692	6	382	13.8	31	50	328	3.34	36	5	ND	ND	49	3	7
A	91100903	20	565	15	131	2.9	13	14	797	2.72	33	5	ND	ND	17	2	26
A	91100904	108	1847	18	150	3.3	40	27	628	2.19	45	5	ND	ND	44	2	17
A	91100905	511	7163	16	302	13.7	29	18	710	3.02	55	5	ND	ND	47	4	22
S	91100906	10	108	32	83	0.4	29	22	627	3.13	297	5	ND	ND	34	2	8
A	91100907	7	182	4899	8200	77.0	18	18	629	2.45	48	5	ND	ND	163	247	48
A	91101001	17	129	9	366	0.4	59	20	353	3.34	44	5	ND	ND	50	2	16
A	91101002	87	503	3	107	0.6	51	24	538	6.02	19	5	ND	ND	70	2	8
A	91101003	4	51	11	21	2.7	9	3	188	1.17	897	5	17	ND	15	1	7
A	91101004	1	53	9	48	0.4	15	22	564	3.29	15	5	ND	ND	37	1	15
A	91101005	4	41	6	29	0.6	15	127	310	3.78	24386	5	7	ND	29	1	6
A	91101006	4	130	4	51	0.4	32	25	289	3.07	23	5	ND	ND	135	1	9
A	91101007	18	92	5	91	0.6	96	32	286	4.80	31	5	ND	ND	151	1	1

SAMPLE NAME	PPM BI	PPM V	% CA	% P	PPM LA	PPM CR	% MG	PPM BA	% TI	% AL	% NA	% SI	PPM W	PPM BE	PPB AU AA
91100901	1	18	0.89	0.11	3	29	0.11	7	0.10	0.45	0.04	0.01	62	1	2340
91100902	5	19	0.70	0.11	3	34	0.21	4	0.09	0.44	0.05	0.01	43	1	1460
91100903	13	50	1.42	0.10	6	31	0.42	15	0.08	1.02	0.07	0.01	464	2	20
91100904	9	46	1.99	0.15	6	33	0.20	23	0.11	0.88	0.05	0.01	95	2	150
91100905	14	41	2.09	0.10	5	40	0.12	10	0.09	0.82	0.05	0.01	78	2	630
91100906	4	63	0.52	0.08	12	21	0.61	98	0.12	2.27	0.07	0.01	20	3	40
91100907	12	15	3.04	0.11	13	22	0.71	60	0.01	0.45	0.09	0.01	216	2	80
91101001	10	83	0.97	0.16	12	36	0.26	34	0.12	0.93	0.12	0.01	30	3	20
91101002	9	82	1.45	0.15	10	37	0.60	13	0.12	1.32	0.06	0.01	41	3	30
91101003	154	8	0.04	0.02	1	118	0.03	12	0.01	0.11	0.03	0.01	1	1	31000
91101004	11	65	1.07	0.10	9	25	0.95	41	0.04	1.47	0.09	0.01	27	3	20
91101005	57	37	0.39	0.08	5	43	0.44	24	0.05	1.14	0.15	0.01	12	1	5600
91101006	5	72	1.65	0.24	7	53	0.28	50	0.10	1.73	0.26	0.01	27	3	30
91101007	3	59	1.12	0.19	7	19	0.77	38	0.11	1.79	0.22	0.01	29	2	30

CERTIFIED BY : Rossbacher

NOV 4 1991

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

To : CME CONSULTING LTD.
#2405-555 WEST HASTINGS STREET
VANCOUVER, B.C.

Project: 10 A

Type of Analysis: Assay

Certificate: 91309 A
Invoice: 30039
Date Entered: 91-10-28
File Name: CME91309.A
Page No.: 3

PRE FIX	SAMPLE NAME	oz/t Au	oz/t Ag	% Cu	% Pb	% Zn
P	91100901	0.070	0.57	1.52		
P	91100902	0.043	0.42	1.10		
P	91100904	0.006	0.08	0.19		
P	91100905	0.020	0.36	0.76		
P	91100907	0.003	2.30		0.50	0.80
P	91101003	0.940	0.08			
P	91101005	0.200	0.01			

CERTIFIED BY : [signature]

0V 4 1991

ACME ANALYTICAL LABORATORIES LTD 852 E. HASTINGS ST. VANCOUVER B.C V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Katie Mining Corp. PROJECT MAMMOTH-91 File # 91-4702 Page 1

198 Baker St., Nelson BC V1L 4H2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L50+00N 22+00E	2	23	23	62	.3	14	5	220	3.38	7	5	ND	3	16	.2	2	2	64	.07	.055	13	21	.41	62	.24	5	2.54	.02	.10	1	.9
L50+00N 22+25E	1	25	41	77	.1	14	6	674	3.89	8	5	ND	2	26	.2	2	2	66	.15	.133	12	20	.40	73	.15	5	2.67	.01	.08	1	3.0
L50+00N 22+50E	1	36	109	80	.4	15	8	1176	1.61	5	5	ND	1	27	2.3	2	3	30	.15	.142	18	12	.15	162	.09	3	1.96	.02	.07	1	1.2
L50+00N 22+75E	2	31	37	138	.5	17	55	3189	3.54	9	5	ND	2	25	.8	2	2	59	.21	.271	17	19	.32	185	.16	5	4.17	.02	.09	2	2.3
L50+00N 23+00E	2	17	31	59	.2	8	5	258	2.53	9	5	ND	1	13	1.4	2	2	57	.05	.060	10	15	.17	61	.12	4	1.69	.01	.07	1	.9
L50+00N 23+25E	1	19	13	70	.1	21	7	271	3.51	6	5	ND	2	21	.2	2	2	60	.15	.115	19	31	.69	65	.13	3	4.05	.01	.07	1	1.8
L50+00N 23+50E	8	18	24	61	.2	15	8	490	3.66	7	5	ND	1	25	.3	2	2	60	.24	.066	19	22	.38	72	.14	3	3.36	.02	.06	1	1.1
L50+00N 23+75E	7	19	23	60	.5	11	14	473	3.30	5	5	ND	1	16	.2	2	2	49	.12	.084	15	17	.30	75	.11	3	2.90	.01	.06	1	6.6
L50+00N 24+00E	5	33	38	79	.4	16	18	958	3.34	8	5	ND	1	17	.8	2	2	51	.12	.131	15	18	.33	103	.12	3	3.10	.02	.07	1	4.3
L50+00N 24+25E	2	16	17	64	.2	15	7	392	3.88	6	5	ND	3	20	.2	2	2	67	.15	.079	13	23	.66	66	.17	4	2.56	.02	.08	1	7.0
L50+00N 24+50E	3	20	13	34	.1	9	4	142	2.63	2	5	ND	1	10	.2	2	2	40	.07	.060	13	13	.21	44	.14	2	3.24	.02	.03	1	1.7
L50+00N 24+75E	4	18	10	76	.1	16	7	354	3.62	3	5	ND	3	32	.2	2	2	60	.28	.112	19	27	.70	59	.13	2	4.02	.01	.08	1	.9
L50+00N 25+00E	5	21	11	71	.2	16	8	557	3.63	2	5	ND	2	33	.2	2	2	61	.31	.092	19	25	.62	79	.15	2	3.67	.02	.07	1	1.9
L50+00N 25+25E	5	21	17	64	.4	13	6	407	2.98	4	5	ND	1	20	.6	2	2	47	.15	.080	21	18	.41	69	.12	2	3.45	.02	.08	1	.9
L50+00N 25+50E	1	18	12	49	.1	8	4	150	3.97	6	5	ND	3	15	.2	4	2	53	.09	.061	11	21	.23	69	.19	2	4.17	.01	.03	2	1.2
L50+00N 25+75E	3	20	18	58	.2	13	7	317	3.10	3	5	ND	1	22	.2	2	2	53	.15	.049	13	24	.39	60	.16	3	2.51	.02	.06	1	.7
L50+00N 26+00E	3	24	11	76	.3	16	12	1754	3.24	4	8	ND	1	44	.3	2	2	53	.52	.071	33	27	.53	83	.11	2	3.46	.02	.06	1	4.8
RE L50+00N 27+25E	1	51	55	127	.5	32	18	1759	4.54	5	5	ND	2	51	.9	2	2	84	.52	.171	12	62	.82	228	.22	3	2.83	.03	.13	1	2.1
L50+00N 26+25E	2	29	10	74	.1	18	12	1045	3.62	3	5	ND	1	47	.2	2	2	68	.54	.077	15	35	.66	87	.13	2	2.79	.02	.05	1	2.7
L50+00N 26+50E	1	44	13	80	.5	18	11	804	4.08	3	5	ND	2	32	.3	2	2	72	.26	.105	12	37	.69	75	.19	2	3.00	.02	.08	1	2.7
L50+00N 26+75E	1	58	9	74	.4	24	15	644	4.11	2	5	ND	1	33	.2	2	2	79	.34	.074	14	53	.75	62	.18	2	3.65	.02	.08	1	1.8
L50+00N 27+00E	1	58	8	84	.3	28	14	418	5.25	5	5	ND	4	41	.2	2	2	99	.39	.085	9	65	1.17	62	.28	2	3.54	.02	.11	1	4.0
L50+00N 27+25E	1	57	54	134	.5	33	19	1789	4.72	8	5	ND	2	53	1.3	2	2	88	.52	.175	12	65	.87	239	.23	2	2.95	.05	.17	1	2.8
L50+00N 27+50E	3	46	18	100	.6	25	15	1282	4.57	5	5	ND	2	50	.7	2	2	79	.52	.075	15	48	.66	157	.20	2	2.84	.02	.10	1	17.5
L50+00N 27+75E	6	59	22	83	.6	28	16	673	4.25	4	7	ND	1	43	.9	2	2	78	.41	.061	22	51	.83	89	.21	2	3.16	.02	.07	1	4.5
L50+00N 28+00E	4	45	26	118	.4	29	17	923	4.79	3	5	ND	2	47	.2	2	2	86	.45	.079	13	57	.88	148	.29	2	2.77	.02	.08	1	4.8
L50+00N 28+25E	3	47	17	87	.5	28	16	1136	3.67	3	6	ND	1	43	.5	2	2	65	.42	.088	19	51	.72	93	.16	2	2.67	.02	.08	2	6.7
L50+00N 28+50E	8	56	15	85	.6	25	14	1130	3.77	6	5	ND	1	38	1.3	2	2	65	.42	.087	22	45	.63	85	.16	2	3.04	.02	.07	2	2.6
L50+00N 28+75E	1	40	16	74	.5	23	12	482	4.06	3	5	ND	1	38	.8	2	2	65	.33	.052	21	46	.67	76	.22	2	3.43	.02	.07	1	1.3
L50+00N 29+00E	2	27	62	177	.3	19	11	1284	4.72	3	5	ND	3	34	.8	2	2	73	.33	.107	14	38	.75	143	.21	2	3.04	.02	.10	2	6.5
L50+00N 29+25E	1	33	22	103	.2	20	12	985	3.82	7	5	ND	1	41	.7	2	2	64	.47	.076	18	43	.70	81	.20	2	3.28	.03	.10	1	3.9
L50+00N 29+50E	1	46	24	93	.8	20	12	1657	3.31	4	17	ND	1	63	3.9	2	2	59	.79	.109	54	45	.60	79	.13	2	3.74	.02	.06	1	2.0
L50+00N 29+75E	1	40	32	120	.6	20	12	891	3.56	5	5	ND	2	60	1.8	2	2	62	.69	.067	24	45	.71	122	.21	2	3.09	.03	.09	1	2.1
L50+00N 30+00E	1	41	25	104	.9	20	9	472	3.08	4	7	ND	1	63	4.1	2	2	58	.74	.114	40	40	.69	75	.13	2	3.26	.03	.07	1	2.9
L50+00N 30+25E	1	28	27	75	.5	16	7	252	3.90	6	5	ND	2	28	.4	2	2	62	.28	.095	10	42	.46	82	.21	2	2.85	.02	.06	1	4.5
L50+00N 30+50E	1	29	11	69	.2	14	7	241	3.21	6	5	ND	4	19	.2	2	2	54	.20	.109	9	38	.45	48	.21	2	3.85	.02	.06	1	3.5
L50+00N 30+75E	1	18	14	48	.4	12	6	584	2.88	2	5	ND	2	22	.2	2	2	55	.21	.065	8	35	.37	56	.20	2	2.20	.02	.07	1	2.2
STANDARD C/AU-S	19	62	41	132	7.3	70	31	1053	3.94	43	18	7	39	52	18.9	16	21	57	.48	.091	39	58	.88	176	.09	34	1.92	.06	.15	13	45.1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: SEP 24 1991 DATE REPORT MAILED: Sept 27/91. SIGNED BY. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L50+00N 31+00E	2	33	24	69	.7	19	18	1109	3.63	2	5	ND	3	32	.9	2	2	68	.32	.075	22	52	.62	95	.19	4	2.93	.03	.06	1	5.1
L50+00N 31+25E	2	32	23	104	.7	23	15	688	3.81	2	5	ND	2	31	1.4	2	2	65	.31	.074	20	48	.72	81	.18	2	3.19	.02	.07	1	6.1
L50+00N 31+50E	1	32	23	89	1.1	20	17	2094	3.68	2	5	ND	1	30	2.2	2	2	62	.28	.067	23	41	.59	98	.18	6	2.67	.02	.07	1	2.0
L50+00N 31+75E	2	43	34	151	1.8	25	17	1327	4.08	2	5	ND	1	37	2.8	2	2	68	.34	.072	25	55	.72	100	.17	2	2.71	.02	.07	1	4.6
L50+00N 32+00E	2	40	48	180	.9	28	18	1059	4.36	6	5	ND	1	43	2.1	2	2	74	.45	.104	16	70	.88	83	.15	7	2.45	.02	.09	1	2.5
L50+00N 32+25E	3	48	39	151	2.1	28	20	1259	4.00	11	7	ND	1	44	4.6	2	2	70	.38	.096	29	60	.76	122	.14	4	2.74	.02	.08	1	5.1
L50+00N 32+50E	2	53	27	148	1.1	43	22	1595	4.48	5	5	ND	1	89	3.0	2	2	76	.67	.125	32	75	1.17	196	.18	3	2.91	.03	.10	1	3.1
L50+00N 32+75E	1	39	18	149	.6	32	17	953	4.94	4	5	ND	2	54	1.0	2	2	85	.51	.082	11	86	.90	163	.26	3	2.42	.03	.07	1	7.2
L50+00N 33+00E	1	34	27	93	.3	22	18	1101	3.96	4	5	ND	1	29	1.1	2	2	69	.27	.134	8	58	.61	99	.21	2	2.39	.02	.06	1	2.8
L50+00N 33+25E	1	55	39	98	1.2	38	24	1545	3.93	14	5	ND	1	61	1.9	2	2	79	.68	.082	15	91	.96	100	.16	3	2.56	.02	.06	1	2.1
L50+00N 33+50E	2	41	27	112	1.7	26	16	514	4.28	2	5	ND	1	35	.5	2	2	80	.35	.095	6	83	.67	73	.24	2	3.24	.02	.06	1	6.3
L50+00N 33+75E	1	48	19	126	.4	31	20	539	5.47	7	5	ND	2	43	.3	2	2	101	.42	.099	6	96	.80	77	.26	2	3.01	.02	.08	1	14.0
L50+00N 34+00E	1	35	18	97	.1	27	16	555	5.05	6	5	ND	1	36	.2	2	2	90	.35	.128	5	97	.78	63	.26	2	2.50	.02	.06	1	3.2
L50+00N 34+25E	1	58	16	203	1.0	35	22	2546	4.97	9	5	ND	1	51	.4	2	2	83	.50	.218	7	93	.95	200	.22	2	3.06	.03	.12	1	2.0
L50+00N 34+50E	1	110	9	96	.9	56	29	978	5.26	6	5	ND	1	64	.6	2	2	105	.60	.080	8	148	1.66	96	.24	2	3.03	.02	.11	1	11.0
L50+00N 34+75E	1	95	25	146	.8	49	28	1332	4.97	10	5	ND	1	65	1.2	3	2	96	.69	.099	9	111	1.28	167	.22	2	2.88	.03	.10	1	4.4
L50+00N 35+00E	1	65	13	116	1.1	39	22	749	5.10	5	5	ND	2	41	.4	2	2	90	.43	.127	11	90	.97	100	.24	2	3.72	.03	.08	1	11.7
L50+00N 35+25E	1	66	63	122	1.8	37	23	1413	4.31	13	5	ND	1	51	2.3	2	2	81	.55	.096	20	82	.90	119	.17	5	2.80	.03	.08	1	7.1
L50+00N 35+50E	1	59	69	134	.8	40	24	1375	4.64	15	5	ND	1	52	1.9	2	2	85	.68	.106	15	82	.97	120	.17	2	3.04	.03	.10	1	3.2
L50+00N 35+75E	1	70	27	142	1.8	45	27	1877	4.86	6	5	ND	2	43	3.4	4	3	84	.50	.132	26	73	.83	140	.18	4	3.40	.02	.09	1	1.8
L50+00N 36+00E	1	52	25	137	1.8	34	20	1762	4.31	4	5	ND	1	37	1.4	2	2	78	.41	.115	14	60	.76	114	.16	3	3.06	.02	.08	1	2.4
L50+00N 36+25E	1	61	14	103	1.4	31	22	1576	4.07	2	5	ND	1	42	2.2	2	2	75	.36	.081	25	60	.72	100	.16	4	3.20	.02	.07	1	2.6
L50+00N 36+50E	2	52	25	140	2.9	32	19	987	4.58	11	5	ND	1	49	1.6	5	2	76	.47	.146	16	64	.65	138	.15	4	3.05	.02	.08	2	2.5
L50+00N 36+75E	1	68	29	95	1.5	25	18	1309	3.91	3	5	ND	1	39	2.1	2	2	74	.34	.100	24	57	.54	77	.13	2	2.99	.02	.07	1	1.9
L50+00N 37+00E	1	64	36	95	1.4	32	17	1005	3.90	6	5	ND	1	42	2.4	2	2	71	.33	.102	27	56	.66	84	.14	2	2.89	.02	.08	1	1.5
L49+00N 22+00E	1	29	47	73	.4	17	10	593	3.00	10	5	ND	1	45	1.1	2	2	54	.26	.103	10	24	.33	98	.11	2	1.56	.02	.08	1	1.0
RE L50+00N 36+50E	2	51	26	140	2.9	31	19	962	4.64	9	9	ND	1	49	1.8	4	2	76	.49	.147	16	62	.65	135	.16	3	3.07	.02	.09	1	2.3
L49+00N 22+25E	1	19	23	49	.1	6	4	304	3.02	5	5	ND	1	17	.4	2	2	54	.17	.154	6	13	.13	95	.18	2	2.08	.02	.05	1	2.0
L49+00N 22+50E	7	20	25	77	.3	35	12	413	3.99	6	5	ND	3	23	.7	2	2	78	.20	.070	14	40	.62	78	.21	5	2.67	.02	.08	1	1.8
L49+00N 22+75E	12	22	29	86	.1	22	15	999	4.27	11	5	ND	1	26	.3	2	2	74	.25	.087	15	26	.56	101	.16	2	2.78	.02	.07	1	1.6
L49+00N 23+00E	6	25	33	91	.2	21	14	1275	3.13	19	5	ND	1	36	1.1	2	2	62	.47	.107	18	22	.56	120	.11	5	2.26	.02	.07	1	1.3
L49+00N 23+25E	11	20	25	95	.3	20	13	742	4.37	16	5	ND	1	31	.3	4	2	86	.33	.078	16	26	.63	86	.17	6	2.70	.02	.08	1	5.8
L49+00N 23+50E	12	14	62	82	.4	14	15	1082	2.75	11	5	ND	1	32	3.0	2	2	49	.43	.096	21	17	.43	71	.06	4	2.10	.02	.07	1	3.2
L49+00N 23+75E	13	21	36	85	.2	18	11	1092	2.37	8	8	ND	1	31	1.9	2	2	46	.40	.113	23	17	.30	85	.06	4	2.22	.02	.06	1	2.5
L49+00N 24+00E	7	19	23	68	.2	15	7	344	3.25	9	8	ND	1	22	.6	2	2	62	.17	.070	16	21	.43	75	.13	4	2.21	.02	.07	1	9.8
L49+00N 24+25E	6	14	19	67	.1	12	7	277	3.20	6	8	ND	1	19	.2	2	2	56	.15	.056	15	19	.42	69	.16	2	2.12	.02	.07	1	5.0
L49+00N 24+50E	4	24	41	90	.1	19	8	878	3.07	13	5	ND	1	22	1.1	2	2	49	.23	.131	19	18	.31	101	.12	3	3.13	.02	.05	1	1.1
STANDARD C/AU-S	19	58	40	127	6.9	72	32	1059	3.91	43	17	7	37	49	18.9	16	20	57	.48	.089	38	56	.86	171	.08	32	1.86	.07	.14	13	46.3

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L49+00N 24+75E	3	17	21	76	.2	10	7	541	3.15	5	5	ND	1	27	.4	2	2	54	.21	.065	14	18	.38	106	.14	2	1.71	.02	.08	1	7.4
L49+00N 25+00E	10	16	23	81	.4	12	12	1301	3.03	9	7	ND	1	24	.7	2	2	52	.21	.089	19	17	.33	82	.14	3	3.15	.03	.08	1	2.9
L49+00N 25+25E	2	21	27	67	.2	14	8	402	3.40	6	5	ND	2	29	1.2	2	2	60	.15	.045	13	27	.62	66	.22	2	2.25	.02	.09	1	2.0
L49+00N 25+50E	1	92	15	56	.4	18	8	212	3.26	2	5	ND	4	18	.7	2	2	54	.12	.165	21	28	.41	93	.18	2	5.06	.02	.08	1	2.5
L49+00N 25+75E	1	32	10	59	.2	14	7	302	4.21	4	5	ND	4	34	.3	2	2	76	.31	.108	14	40	.68	60	.19	2	3.79	.03	.08	1	4.2
L49+00N 26+00E	1	27	7	57	.3	13	6	254	3.87	5	5	ND	3	31	.5	2	2	76	.25	.098	11	36	.56	46	.19	2	3.52	.03	.09	1	3.5
L49+00N 26+25E	1	29	12	52	.3	13	7	400	4.25	5	5	ND	1	35	.5	2	2	81	.25	.065	12	34	.45	65	.22	2	2.47	.03	.09	1	3.1
L49+00N 26+50E	2	44	33	87	.3	21	15	915	4.11	6	5	ND	1	62	1.3	2	2	82	.55	.056	13	46	.78	107	.20	2	2.56	.03	.12	1	5.9
L49+00N 26+75E	2	42	17	68	.3	21	12	719	3.92	3	5	ND	1	47	.6	2	2	73	.46	.058	14	48	.76	80	.19	2	2.58	.03	.09	1	3.1
L49+00N 27+00E	3	44	18	76	.4	21	13	570	4.13	5	5	ND	1	42	1.0	2	2	80	.36	.055	13	49	.72	74	.23	3	2.85	.03	.11	1	1.7
L49+00N 27+25E	1	49	11	57	.3	22	12	502	4.00	2	5	ND	1	51	.9	2	2	81	.46	.057	18	49	.69	83	.24	2	2.56	.04	.11	1	3.2
L49+00N 27+50E	1	43	9	67	.5	23	13	650	3.96	3	10	ND	1	63	.8	2	2	75	.60	.053	24	50	.80	114	.21	2	3.22	.03	.08	1	1.0
L49+00N 27+75E	2	43	23	89	.5	24	13	930	4.00	5	5	ND	1	63	.9	2	2	77	.70	.081	20	54	.72	116	.20	2	3.09	.03	.11	1	3.7
L49+00N 28+00E	3	46	43	110	.4	29	15	1400	3.74	4	9	ND	1	82	1.1	2	2	78	.81	.155	28	59	.82	111	.11	3	2.67	.04	.12	1	3.3
L49+00N 28+25E	4	54	21	126	.6	33	18	1638	4.48	4	10	ND	1	64	.8	2	2	84	.61	.102	26	60	.91	141	.21	3	3.13	.03	.11	1	1.7
L49+00N 28+50E	27	38	14	97	.6	23	14	1257	3.77	13	165	ND	1	94	1.0	2	2	74	.80	.096	25	49	.71	89	.16	3	3.28	.04	.09	1	2.0
L49+00N 28+75E	28	32	22	85	.6	18	13	738	3.63	11	45	ND	1	89	1.1	2	2	66	.82	.072	17	40	.62	126	.18	3	2.70	.04	.10	1	32.5
L49+00N 29+00E	20	38	18	96	.8	21	14	939	3.89	7	10	ND	1	69	.9	2	2	71	.65	.060	17	46	.69	92	.20	2	3.02	.03	.08	1	5.3
RE L49+00N 28+00E	3	46	39	107	.4	28	15	1385	3.65	4	5	ND	1	83	1.3	2	2	76	.78	.151	27	56	.79	110	.11	2	2.63	.03	.11	1	3.8
L49+00N 29+25E	12	32	21	88	.5	17	12	710	3.85	6	5	ND	2	54	.9	2	2	73	.55	.038	13	44	.63	122	.26	2	2.23	.04	.09	1	4.9
L49+00N 29+50E	2	51	14	96	.7	32	16	612	4.40	4	6	ND	4	72	2.0	2	2	83	.73	.074	23	77	1.16	96	.25	3	2.94	.05	.12	1	12.7
L49+00N 29+75E	2	41	18	99	.8	28	15	1060	4.12	4	8	ND	1	73	1.4	2	2	75	.74	.071	25	61	.95	95	.19	2	2.98	.03	.09	1	2.7
L49+00N 30+00E	1	34	27	95	.6	21	14	961	3.76	6	5	ND	1	58	1.5	2	2	66	.68	.071	21	48	.73	99	.19	4	2.65	.03	.10	1	2.2
L49+00N 30+25E	1	30	16	83	.7	18	13	675	3.74	5	5	ND	1	52	.8	2	2	68	.53	.066	16	45	.68	87	.20	2	2.87	.04	.09	1	4.5
L49+00N 30+50E	1	47	20	82	.8	21	13	968	3.61	3	5	ND	1	60	1.1	2	2	64	.62	.082	26	51	.64	121	.20	3	3.49	.03	.09	1	2.9
L49+00N 30+75E	1	41	19	84	1.0	20	11	1152	3.01	5	7	ND	1	71	2.5	3	2	55	.82	.119	29	43	.64	88	.11	3	3.55	.04	.08	1	5.3
L49+00N 31+00E	1	48	15	89	1.2	24	14	1305	3.47	2	8	ND	1	66	3.8	2	2	63	.72	.083	26	48	.71	95	.18	2	3.19	.03	.08	1	2.4
L49+00N 31+25E	1	28	80	95	6.0	17	10	580	3.29	4	5	ND	1	49	1.0	2	2	60	.50	.062	14	42	.57	82	.21	3	2.68	.03	.08	1	3.4
L49+00N 31+50E	1	40	34	99	2.5	20	15	1052	3.84	4	5	ND	1	51	1.2	2	2	70	.50	.065	29	49	.68	102	.22	2	3.14	.03	.08	1	3.4
L49+00N 31+75E	2	36	21	91	1.1	20	13	959	3.66	3	5	ND	1	55	1.4	2	2	66	.53	.068	21	49	.61	101	.20	3	2.87	.03	.09	1	1.5
L49+00N 32+00E	1	32	14	86	.7	22	11	428	3.88	3	5	ND	2	44	.6	2	2	72	.38	.050	9	61	.75	78	.24	2	2.56	.03	.07	1	8.3
L49+00N 32+25E	2	24	22	97	1.2	14	10	1044	3.74	3	5	ND	2	31	1.0	2	2	62	.26	.084	13	39	.54	114	.22	2	2.66	.02	.10	1	3.0
L49+00N 32+50E	7	30	25	93	1.0	18	12	910	3.87	7	5	ND	1	45	1.3	2	2	65	.37	.084	17	46	.57	124	.19	3	2.29	.02	.09	1	1.4
L49+00N 32+75E	4	47	33	120	.5	26	16	1129	4.45	7	5	ND	1	76	1.3	2	2	81	.67	.081	11	75	.95	133	.20	2	2.29	.03	.11	1	1.2
L49+00N 33+00E	4	44	40	131	1.0	27	16	1462	3.69	6	16	ND	1	103	2.5	2	2	68	.88	.130	30	72	.91	116	.11	3	2.58	.03	.11	1	1.9
L49+00N 33+25E	4	51	40	137	.7	30	17	1232	4.13	7	5	ND	1	101	2.4	2	2	76	.91	.107	25	91	.99	123	.15	3	2.50	.02	.11	1	1.9
L49+00N 33+50E	4	46	21	76	1.0	23	11	393	4.61	7	5	ND	1	66	1.4	2	2	80	.52	.045	11	66	.74	103	.28	2	2.24	.03	.11	1	1.6
STANDARD C/AU-S	19	61	40	134	7.2	70	34	1054	3.98	44	21	7	39	52	18.8	16	19	56	.48	.091	39	58	.88	178	.09	32	1.90	.06	.15	11	46.5

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L49+00N 33+75E	2	76	24	92	.8	51	18	425	4.07	12	5	ND	2	61	1.4	2	2	74	.50	.039	10	187	1.62	103	.22	2	3.27	.02	.07	1	3.5
L49+00N 34+00E	2	51	53	149	1.6	30	18	1375	3.68	10	5	ND	1	109	4.0	2	2	69	.94	.078	19	82	.89	145	.14	4	2.60	.03	.07	1	1.9
L49+00N 34+25E	2	105	25	188	3.9	38	21	766	3.49	35	23	ND	1	73	5.4	3	2	73	.62	.084	21	134	1.07	85	.12	4	3.40	.02	.09	3	2.7
L49+00N 34+50E	3	74	27	104	2.2	28	15	1151	3.12	16	6	ND	1	95	5.3	2	2	60	.79	.098	25	62	.66	117	.10	4	2.50	.03	.07	1	1.4
L49+00N 34+75E	5	50	47	120	3.3	23	13	465	3.30	81	25	ND	1	106	4.7	2	2	70	1.04	.071	15	81	.47	93	.11	2	1.71	.02	.08	1	2.6
L49+00N 35+00E	4	71	26	204	1.7	36	17	697	4.09	75	28	ND	2	114	6.9	2	2	97	1.18	.067	13	146	.96	149	.24	2	2.50	.03	.11	3	2.2
L49+00N 35+25E	3	93	44	134	1.6	45	27	1597	4.73	147	46	ND	1	86	8.6	2	2	108	.87	.099	38	231	.96	186	.12	2	3.31	.02	.16	1	2.9
L49+00N 35+50E	3	42	46	110	1.3	28	14	567	3.34	72	5	ND	1	60	2.5	2	2	61	.57	.048	9	66	.78	101	.09	3	2.22	.02	.08	3	2.8
L49+00N 35+75E	2	95	39	201	3.0	36	19	801	3.99	67	5	ND	1	64	3.9	2	2	76	.54	.056	18	86	.79	125	.16	2	3.41	.02	.09	1	3.0
RE L49+00N 37+00E	3	113	26	117	2.9	26	17	1205	3.43	22	13	ND	1	89	6.1	2	2	58	.79	.090	31	60	.55	106	.11	3	2.50	.02	.07	1	1.8
L49+00N 36+00E	3	120	35	155	3.7	36	18	984	3.91	23	14	ND	1	87	10.1	2	2	73	.80	.057	25	69	.57	124	.19	2	2.62	.02	.08	1	4.7
L49+00N 36+25E	3	90	29	145	2.5	33	19	1541	3.53	25	7	ND	1	96	6.0	2	2	64	.87	.091	31	61	.59	115	.11	2	2.54	.02	.09	1	1.4
L49+00N 36+50E	3	81	42	170	2.8	31	18	1447	3.98	26	5	ND	1	69	4.9	2	2	72	.59	.073	42	58	.61	157	.16	2	2.69	.02	.08	1	1.4
L49+00N 36+75E	3	90	71	138	2.2	28	16	1535	3.12	16	5	ND	1	111	7.4	2	2	57	1.08	.096	55	50	.56	127	.10	3	2.47	.02	.08	1	1.5
L49+00N 37+00E	3	120	22	123	2.9	27	18	1298	3.64	18	11	ND	1	95	6.5	2	2	61	.85	.095	33	60	.58	110	.11	2	2.67	.02	.07	1	1.2
L48+00N 22+00E	4	28	23	65	.1	14	10	559	2.86	3	7	ND	1	24	.4	2	2	50	.17	.132	14	19	.34	95	.08	2	2.79	.02	.08	1	1.1
L48+00N 22+25E	4	25	20	63	.5	16	7	277	3.23	7	6	ND	1	19	.6	3	2	54	.13	.112	15	21	.33	71	.10	2	2.44	.02	.09	1	.4
L48+00N 22+50E	2	26	28	54	.1	13	7	365	3.26	6	5	ND	1	26	1.2	2	2	54	.15	.087	13	19	.36	74	.09	3	2.23	.02	.08	1	1.1
L48+00N 22+75E	4	24	14	45	.1	10	4	122	2.22	5	5	ND	1	14	.7	2	2	38	.08	.070	15	14	.23	46	.08	3	2.84	.02	.06	1	1.0
L48+00N 23+00E	3	18	20	44	.1	9	4	155	2.37	6	5	ND	1	19	.9	2	2	48	.10	.073	13	13	.22	65	.14	3	1.96	.02	.06	1	.5
L48+00N 23+25E	4	21	14	41	.5	10	4	108	1.82	11	6	ND	1	12	.4	2	2	36	.06	.077	16	15	.23	47	.06	3	2.90	.01	.06	1	.8
L48+00N 23+50E	6	17	18	67	.4	13	8	442	3.79	15	5	ND	2	17	.7	2	4	68	.13	.055	11	22	.34	72	.13	4	2.69	.01	.08	1	1.6
L48+00N 23+75E	10	15	18	68	.2	12	9	402	3.68	42	7	ND	1	22	.7	2	2	64	.20	.050	13	22	.36	79	.15	2	2.53	.02	.06	1	1.7
L48+00N 24+00E	4	16	20	45	.1	6	6	133	4.03	12	5	ND	3	16	.3	2	3	81	.08	.102	10	17	.22	63	.15	2	1.90	.01	.06	1	14.5
L48+00N 24+25E	5	16	21	69	.3	11	7	349	3.66	11	9	ND	2	24	.6	2	4	66	.19	.094	11	19	.36	71	.13	2	2.33	.01	.08	1	11.9
L48+00N 24+50E	4	17	16	108	.1	13	9	485	3.55	23	5	ND	1	23	.5	2	2	63	.21	.071	14	19	.33	109	.15	2	4.19	.02	.06	1	2.9
L48+00N 24+75E	10	24	33	119	.1	14	11	3251	2.28	20	22	ND	1	65	1.3	2	2	41	.97	.144	28	15	.28	136	.05	2	2.41	.02	.06	1	1.5
L48+00N 25+00E	6	18	25	115	.2	15	12	1766	2.80	24	14	ND	1	49	1.4	2	2	52	.66	.101	19	20	.47	107	.08	5	2.22	.02	.07	1	1.3
L48+00N 25+25E	4	27	18	105	.1	16	15	1218	4.03	14	5	ND	1	39	.2	2	2	71	.40	.124	14	29	.79	123	.15	3	2.41	.02	.08	1	1.5
L48+00N 25+50E	11	21	12	74	.2	13	9	624	3.35	12	5	ND	1	29	.2	2	2	63	.30	.052	16	25	.61	59	.14	4	2.80	.02	.06	1	2.8
L48+00N 25+75E	2	20	11	62	.1	14	9	315	4.03	4	5	ND	3	32	.4	2	2	85	.24	.052	8	33	.60	45	.22	2	1.92	.02	.06	1	7.6
L48+00N 26+00E	4	22	42	67	.3	8	6	900	1.89	10	9	ND	1	34	1.5	3	2	46	.32	.051	12	19	.24	151	.12	3	1.12	.02	.05	1	1.8
L48+00N 26+25E	7	19	17	60	.1	14	8	413	2.95	8	5	ND	1	38	1.0	2	2	49	.44	.074	22	23	.41	64	.09	2	2.28	.01	.04	1	5.6
L48+00N 26+50E	4	18	19	72	.1	13	9	301	3.17	6	10	ND	1	36	.8	2	2	51	.41	.056	16	21	.36	129	.14	5	2.69	.01	.04	1	1.0
L48+00N 26+75E	4	23	22	111	.1	19	10	500	3.30	11	7	ND	1	51	.7	2	2	59	.51	.046	18	29	.54	188	.19	4	2.84	.02	.05	1	1.7
L48+00N 27+00E	7	23	29	72	.3	13	11	1178	2.40	8	14	ND	1	45	.8	2	2	47	.55	.094	22	22	.40	86	.08	4	2.33	.02	.05	1	1.4
L48+00N 27+25E	9	32	34	53	.4	15	9	777	2.01	8	22	ND	1	42	1.1	2	3	44	.60	.104	24	28	.35	52	.06	5	2.26	.02	.05	2	1.1
STANDARD C/AU-S	20	61	40	130	7.2	72	32	1088	3.91	44	20	7	39	52	19.0	18	21	58	.48	.090	38	57	.86	179	.09	34	1.87	.08	.15	11	51.2

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L48+00N 27+50E	6	27	21	66	.1	17	11	640	3.24	10	8	ND	1	46	.9	2	2	61	.56	.061	12	35	.60	62	.16	3	2.82	.02	.05	1	7.8
L48+00N 27+75E	3	31	18	86	.2	19	13	513	3.90	12	12	ND	5	31	.9	2	2	88	.28	.082	15	43	.68	116	.23	6	3.30	.05	.11	1	5.4
L48+00N 28+00E	6	28	15	54	.3	13	10	597	3.12	8	5	ND	1	27	1.0	2	2	57	.25	.050	16	27	.36	66	.17	2	2.30	.03	.05	1	1.7
L48+00N 28+25E	5	22	13	53	.2	14	6	170	4.34	8	5	ND	1	30	1.2	2	2	59	.31	.042	8	33	.34	105	.21	2	2.53	.02	.03	1	3.4
L48+00N 28+50E	6	23	31	51	.2	15	7	209	3.00	13	8	ND	2	29	1.1	2	2	57	.26	.044	9	34	.50	91	.18	4	2.17	.03	.06	1	1.9
L48+00N 28+75E	6	29	19	69	.3	17	13	813	3.17	17	23	ND	1	48	.8	2	2	63	.55	.051	14	38	.57	85	.15	2	2.51	.02	.05	1	31.9
L48+00N 29+00E	5	17	15	50	.7	12	5	291	4.08	9	5	ND	3	28	1.1	2	2	78	.24	.051	7	32	.26	121	.26	3	2.10	.03	.05	1	4.2
L48+00N 29+25E	3	18	15	43	.2	11	5	312	2.51	7	5	ND	1	29	.4	2	2	57	.32	.059	6	31	.32	63	.18	2	1.01	.02	.05	1	10.4
L48+00N 29+50E	18	29	17	69	2.8	12	25	1702	2.67	11	37	ND	1	79	2.3	2	2	44	.92	.096	22	25	.22	66	.04	2	1.46	.03	.06	1	.9
L48+00N 29+75E	26	38	31	89	2.0	15	17	1133	4.00	18	36	ND	1	54	2.8	2	2	72	.59	.087	24	35	.42	82	.08	2	2.56	.02	.06	1	30.5
L48+00N 30+00E	16	51	28	82	1.8	16	14	3415	2.97	26	60	ND	1	48	3.5	2	2	51	.49	.098	34	40	.32	114	.12	2	2.81	.02	.06	1	4.4
L48+00N 30+25E	4	31	13	61	.5	18	9	336	2.63	9	18	ND	1	39	1.1	2	2	49	.38	.040	19	38	.60	69	.14	2	2.13	.02	.05	1	2.4
L48+00N 30+50E	3	29	14	53	.7	14	8	313	3.60	7	10	ND	1	46	1.0	2	2	59	.51	.039	16	36	.44	67	.20	2	2.15	.02	.06	1	2.0
L48+00N 30+75E	3	29	14	51	.6	16	8	311	3.78	8	7	ND	1	44	.9	2	2	59	.50	.037	17	39	.49	62	.19	2	2.26	.02	.05	1	3.6
L48+00N 31+00E	1	34	14	50	.8	14	8	642	2.84	5	10	ND	1	47	1.2	2	2	50	.52	.057	23	27	.32	71	.16	3	2.67	.02	.05	1	2.5
L48+00N 31+25E	1	26	8	62	.6	12	6	267	2.98	5	5	ND	1	25	.7	2	2	54	.24	.043	8	40	.35	90	.18	4	2.20	.03	.04	1	3.8
L48+00N 31+50E	1	28	22	71	.6	16	10	696	2.96	6	5	ND	1	50	1.1	2	2	54	.54	.054	11	41	.53	97	.14	5	1.81	.02	.05	1	4.2
L48+00N 31+75E	1	27	24	66	.9	16	11	594	3.29	6	5	ND	1	47	1.0	2	2	57	.45	.060	14	41	.57	77	.16	2	2.11	.02	.06	1	2.1
L48+00N 32+00E	1	40	24	87	.6	23	14	940	3.51	7	5	ND	1	47	1.2	2	2	64	.48	.065	12	62	.80	84	.16	6	2.13	.03	.09	1	4.6
L48+00N 32+25E	1	40	12	61	1.1	19	9	332	2.99	5	6	ND	1	36	.8	2	2	56	.30	.059	10	47	.63	61	.15	2	2.42	.02	.06	1	1.2
L48+00N 32+50E	1	31	20	59	.7	16	9	515	3.12	7	5	ND	1	36	.9	2	2	59	.30	.070	7	42	.46	92	.17	2	1.95	.02	.05	1	3.4
L48+00N 32+75E	1	30	17	62	.6	18	10	464	3.34	9	5	ND	1	35	.8	2	2	62	.34	.069	9	54	.58	73	.17	6	2.21	.02	.05	1	9.5
L48+00N 33+00E	1	37	32	64	.6	21	13	1062	3.14	11	5	ND	1	40	1.0	2	2	57	.38	.062	17	52	.62	72	.15	2	2.19	.02	.05	1	3.8
L48+00N 33+25E	1	41	20	66	.7	21	14	1197	3.40	6	5	ND	1	41	.9	2	2	64	.37	.048	15	55	.63	93	.18	6	2.19	.02	.05	1	2.8
L48+00N 33+50E	1	39	24	109	.9	21	12	1265	3.56	9	5	ND	1	53	1.5	2	2	57	.52	.114	16	51	.66	113	.14	2	2.65	.02	.07	1	2.0
L48+00N 33+75E	2	54	14	76	1.1	22	13	1047	3.85	8	6	ND	1	50	1.4	2	2	65	.43	.056	20	60	.62	95	.17	2	2.35	.02	.08	1	2.3
L48+00N 34+00E	3	52	16	26	.8	12	4	213	1.64	7	25	ND	1	70	3.2	2	2	40	.64	.044	17	25	.14	61	.21	2	3.05	.03	.04	1	1.3
L48+00N 34+25E	11	41	25	53	.4	17	7	197	4.61	9	6	ND	2	23	1.2	2	2	84	.15	.035	8	52	.36	110	.32	2	1.93	.02	.06	1	1.1
RE L48+00N 33+25E	1	40	20	65	.7	20	13	1142	3.43	5	5	ND	1	41	1.4	2	2	65	.35	.047	14	54	.61	96	.19	2	2.20	.03	.06	1	1.6
L48+00N 34+50E	7	36	19	97	2.8	22	12	1410	4.08	10	7	ND	1	64	1.7	2	2	80	.52	.033	7	59	.56	100	.24	2	2.07	.03	.07	1	4.6
L48+00N 34+75E	9	44	104	253	3.6	23	19	4780	4.28	15	5	ND	1	42	5.3	2	2	72	.30	.084	8	56	.50	318	.15	2	1.66	.02	.09	1	3.4
L48+00N 35+00E	11	86	548	628	19.9	33	23	1638	5.24	21	23	ND	1	80	10.7	3	2	78	.59	.124	27	64	.73	207	.11	3	2.37	.02	.11	2	4.6
L48+00N 35+25E	6	159	700	1257	21.9	49	17	378	3.90	18	75	ND	1	130	42.1	2	2	73	.94	.117	57	97	1.24	217	.15	2	2.93	.02	.14	1	10.0
L48+00N 35+50E	3	136	232	1088	8.4	53	19	511	3.78	13	45	ND	1	109	31.4	2	2	79	.95	.098	39	117	1.46	223	.18	2	2.80	.02	.13	1	15.4
L48+00N 35+75E	11	127	259	729	10.8	41	26	2565	6.21	27	65	ND	3	75	55.6	2	2	122	.48	.239	57	103	.94	188	.21	5	3.70	.03	.09	1	5.0
L48+00N 36+00E	8	129	98	436	7.1	35	18	1789	4.19	16	38	ND	1	103	30.9	2	2	74	.82	.123	31	90	.87	174	.14	5	2.67	.02	.08	1	3.6
L48+00N 36+25E	10	80	148	468	7.3	31	21	1808	4.07	15	29	ND	1	93	21.4	2	2	80	.82	.137	28	79	.81	150	.11	4	2.42	.01	.09	1	2.8
STANDARD C/AU-S	19	59	37	129	7.3	70	33	1043	3.93	43	23	7	39	52	18.6	16	20	57	.47	.086	39	57	.87	176	.09	32	1.91	.06	.15	12	46.6

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L48+00N 36+50E	5	74	55	261	2.6	24	13	1131	3.45	9	6	ND	1	69	11.0	2	2	55	.54	.085	17	50	.56	146	.15	2	2.30	.02	.09	1	4.2
L48+00N 36+75E	6	92	44	302	2.3	29	16	1436	4.24	12	5	ND	1	86	17.5	2	3	67	.76	.143	24	54	.61	195	.23	2	2.46	.02	.09	1	2.9
L48+00N 37+00E	6	85	16	73	1.5	21	8	480	3.81	19	10	ND	1	67	5.3	2	4	60	.57	.067	23	50	.40	100	.24	2	3.03	.02	.06	2	3.9
L47+00N 22+00E	2	21	16	50	.4	9	4	285	3.23	5	5	ND	1	23	.3	2	2	66	.14	.110	11	17	.25	57	.11	2	2.42	.02	.07	1	4.4
L47+00N 22+25E	1	19	17	78	.4	13	6	1147	3.08	4	5	ND	1	23	.3	2	2	50	.19	.071	10	21	.38	76	.13	2	3.08	.01	.11	1	1.3
L47+00N 22+50E	3	18	28	66	.2	9	3	348	3.01	6	5	ND	1	17	.4	2	4	61	.09	.074	11	18	.28	83	.22	2	2.62	.02	.07	1	1.2
L47+00N 22+75E	3	52	17	40	.7	11	4	140	1.86	14	5	ND	1	14	.7	2	2	32	.11	.107	28	13	.17	57	.11	2	4.76	.02	.05	1	6.0
L47+00N 23+00E	4	29	13	71	.3	19	7	337	3.43	14	5	ND	1	23	.2	2	2	59	.17	.107	18	27	.55	74	.14	2	2.64	.02	.09	3	5.8
L47+00N 23+25E	3	33	43	59	.4	15	5	223	1.85	8	5	ND	1	16	1.6	2	2	36	.13	.158	18	15	.26	75	.06	3	2.43	.02	.08	1	5.3
L47+00N 23+50E	6	34	28	71	.4	18	6	220	3.14	19	5	ND	2	18	.4	2	3	58	.11	.365	20	24	.48	102	.21	2	3.97	.03	.11	1	2.8
L47+00N 23+75E	6	21	40	54	.6	13	4	172	2.37	9	5	ND	1	20	.6	2	2	44	.14	.100	18	17	.33	62	.10	3	2.46	.02	.08	1	1.7
L47+00N 24+00E	4	17	13	64	.2	11	5	259	3.60	6	5	ND	1	18	.2	2	2	60	.07	.072	16	20	.31	49	.16	2	3.31	.02	.06	1	3.8
L47+00N 24+25E	2	25	31	89	.3	13	6	728	2.74	12	5	ND	1	16	1.5	2	2	52	.11	.204	12	18	.36	81	.09	2	2.46	.02	.09	1	3.0
L47+00N 24+50E	2	20	28	75	.3	14	7	481	3.41	8	5	ND	1	22	.7	2	2	61	.15	.161	12	23	.45	63	.11	2	2.88	.02	.07	1	8.2
L47+00N 24+75E	1	20	36	81	.1	11	4	278	2.49	8	5	ND	1	30	.9	2	2	43	.30	.118	9	16	.34	100	.13	2	1.52	.02	.08	1	9.5
L47+00N 25+00E	2	20	24	104	.3	13	5	871	3.76	6	5	ND	1	29	.4	2	2	66	.25	.103	10	17	.34	162	.24	2	1.63	.02	.09	1	1.9
L47+00N 25+25E	6	24	55	89	.3	15	12	2145	2.92	10	5	ND	1	39	.9	2	2	52	.45	.107	18	25	.52	79	.10	2	2.48	.02	.07	1	6.0
L47+00N 25+50E	6	21	14	90	.3	14	11	1082	3.77	8	5	ND	1	36	.6	2	2	68	.37	.072	15	27	.69	76	.15	2	2.41	.02	.08	1	7.6
L47+00N 25+75E	5	23	32	84	.3	13	8	869	3.40	6	5	ND	1	34	.9	2	3	63	.33	.073	13	26	.52	93	.19	3	2.19	.02	.06	1	2.6
L47+00N 26+00E	6	28	20	78	.4	16	12	1135	3.29	7	9	ND	1	45	.5	2	2	64	.52	.089	19	29	.65	72	.11	4	2.63	.02	.06	1	2.2
L47+00N 26+25E	6	27	11	93	.4	17	13	746	4.06	6	5	ND	2	40	.4	2	3	79	.41	.051	14	36	.80	64	.23	3	2.69	.02	.07	1	2.2
L47+00N 26+50E	4	24	10	73	.2	15	11	858	3.30	7	10	ND	1	42	.3	2	2	64	.43	.063	18	31	.65	58	.13	2	2.54	.02	.06	1	7.7
L47+00N 26+75E	3	29	18	66	.3	18	11	551	3.37	4	6	ND	1	52	.6	2	2	64	.58	.060	17	35	.68	79	.14	4	2.11	.02	.06	1	4.4
L47+00N 27+00E	2	47	34	104	.4	21	15	1284	3.43	4	11	ND	1	73	1.0	2	2	66	1.00	.105	18	43	.87	87	.12	6	2.47	.02	.08	1	2.9
L47+00N 27+25E	3	38	13	75	.4	19	16	985	3.56	4	7	ND	1	52	.2	2	2	70	.60	.086	19	40	.79	65	.14	2	2.68	.02	.06	1	2.2
L47+00N 27+50E	2	27	14	64	.4	16	7	310	3.38	6	5	ND	1	36	.4	2	2	63	.37	.088	10	35	.47	85	.24	2	1.84	.02	.06	1	3.4
L47+00N 27+75E	2	43	43	92	.6	24	14	1519	3.34	5	5	ND	1	36	1.2	2	2	65	.35	.138	16	39	.62	106	.21	2	2.47	.02	.07	1	3.7
L47+00N 28+00E	5	29	19	63	.5	19	9	498	3.95	3	5	ND	1	28	.7	2	3	71	.34	.041	13	44	.57	64	.26	3	2.54	.02	.07	1	2.1
L47+00N 28+25E	5	38	20	73	.6	21	14	1266	3.68	6	5	ND	1	38	.5	2	2	70	.42	.078	18	41	.66	66	.17	2	2.91	.03	.07	1	56.5
L47+00N 28+50E	7	43	26	68	.7	20	11	570	3.88	10	8	ND	1	38	.5	2	2	72	.45	.056	16	46	.61	60	.22	2	2.55	.02	.05	1	7.1
L47+00N 28+75E	5	24	52	64	.4	16	7	434	2.88	10	5	ND	1	36	1.0	2	2	65	.41	.042	12	34	.49	93	.24	2	1.79	.03	.05	1	7.0
L47+00N 29+00E	4	28	13	87	.6	20	11	599	3.92	5	5	ND	1	42	.2	2	2	72	.51	.073	9	49	.68	84	.21	2	2.00	.03	.07	1	12.1
L47+00N 29+25E	4	26	25	67	.7	18	8	392	3.34	7	5	ND	1	27	.7	2	2	62	.33	.052	10	41	.54	63	.23	2	2.17	.02	.05	1	16.3
L47+00N 29+50E	4	35	15	73	.7	21	11	666	3.26	5	5	ND	1	30	.5	2	2	61	.34	.061	13	43	.58	59	.20	2	2.56	.03	.05	1	11.1
L47+00N 29+75E	4	38	15	64	.8	18	11	927	2.82	4	5	ND	1	33	.6	2	2	52	.37	.074	16	35	.47	67	.12	2	2.65	.02	.05	2	3.1
RE L47+00N 25+50E	6	21	15	85	.1	14	10	1015	3.69	8	5	ND	1	35	.6	2	2	67	.36	.067	14	27	.67	72	.14	2	2.29	.02	.06	1	3.0
L47+00N 30+00E	5	35	24	69	.4	18	11	1186	2.47	7	5	ND	1	57	.8	2	2	47	.80	.114	19	39	.47	65	.08	3	2.32	.02	.05	1	5.3
STANDARD C/AU-S	20	64	40	136	7.4	72	32	1138	3.95	43	18	7	39	53	19.0	20	17	62	.50	.099	39	60	.90	182	.10	35	1.90	.08	.16	11	46.3

Samples beginning 'RE' are duplicate samples.

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	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L47+00N 30+25E	4	56	15	96	.5	23	11	727	2.65	37	5	ND	1	70	1.1	2	2	58	1.24	.098	22	68	.64	73	.08	4	2.47	.03	.05	1	6.6
L47+00N 30+50E	2	39	31	67	.5	15	8	487	2.42	14	5	ND	1	38	1.3	2	2	43	.62	.073	13	30	.35	73	.14	3	4.22	.03	.05	2	1.9
L47+00N 30+75E	3	40	12	66	.8	18	12	562	3.42	6	5	ND	1	43	1.2	2	2	62	.56	.041	13	39	.54	76	.15	3	2.22	.03	.05	2	4.7
L47+00N 31+00E	3	41	18	58	.6	19	9	477	3.34	17	5	ND	1	30	.4	2	2	64	.31	.051	16	44	.55	71	.16	3	2.31	.03	.07	1	5.3
L47+00N 31+25E	3	49	26	89	.6	21	11	723	2.87	37	7	ND	1	55	.9	2	2	63	.88	.073	18	59	.63	70	.12	2	2.59	.03	.06	1	2.3
L47+00N 31+50E	5	31	18	45	.4	14	7	157	4.86	8	5	ND	1	36	.7	2	2	90	.34	.022	5	50	.39	74	.32	2	1.66	.02	.04	2	7.5
L47+00N 31+75E	3	29	14	50	.8	16	7	358	3.50	16	5	ND	1	34	.8	2	2	73	.32	.028	7	46	.45	81	.21	4	1.42	.02	.06	2	3.6
L47+00N 32+00E	4	28	18	43	.5	16	7	249	3.53	6	5	ND	1	32	.2	2	2	73	.27	.027	6	44	.53	66	.22	2	1.79	.02	.05	2	6.4
L47+00N 32+25E	1	23	20	44	.3	16	8	226	3.00	2	5	ND	1	39	.4	2	2	65	.43	.052	7	50	.63	66	.15	2	1.44	.03	.05	2	22.0
L47+00N 32+50E	2	27	22	58	.6	16	7	259	4.51	6	5	ND	1	46	.2	2	2	76	.43	.030	6	53	.55	97	.22	2	2.65	.02	.05	2	3.8
L47+00N 32+75E	1	38	12	48	.4	21	10	285	3.76	2	7	ND	3	43	.4	2	2	78	.44	.052	11	65	.90	56	.19	2	2.11	.02	.05	2	39.6
L47+00N 33+00E	1	30	15	82	.3	17	9	372	3.86	6	5	ND	2	25	.7	2	2	65	.20	.091	7	50	.54	56	.19	3	5.04	.02	.06	1	2.4
L47+00N 33+25E	1	40	17	72	.7	25	13	625	4.02	5	5	ND	1	42	.6	2	2	81	.37	.087	4	80	.82	69	.19	3	2.50	.02	.08	1	2.8
L47+00N 33+50E	1	21	17	54	.8	14	8	262	3.38	2	5	ND	2	31	.4	3	3	69	.26	.045	6	45	.41	64	.19	3	2.08	.02	.05	1	4.9
L47+00N 33+75E	1	26	28	65	1.0	16	8	232	4.74	8	10	ND	2	44	.5	3	2	94	.33	.089	5	56	.46	109	.24	2	1.64	.02	.06	1	3.5
L47+00N 34+00E	1	31	27	67	1.3	19	10	417	4.07	4	5	ND	1	47	.8	2	2	87	.37	.070	5	62	.56	94	.25	2	1.56	.03	.06	1	6.3
L47+00N 34+25E	2	61	25	54	3.8	19	12	563	3.52	5	5	ND	1	46	1.7	2	2	63	.36	.060	17	49	.41	84	.17	4	2.57	.03	.06	2	3.7
L47+00N 34+50E	2	54	52	77	1.9	28	16	1251	3.47	7	5	ND	1	62	1.7	2	2	70	.49	.065	20	70	.80	96	.14	3	2.30	.02	.06	1	.7
L47+00N 34+75E	2	59	33	77	1.4	25	17	1131	3.91	2	7	ND	1	42	1.3	3	2	75	.32	.054	18	63	.66	74	.19	2	2.88	.03	.06	1	1.5
L47+00N 35+00E	1	71	47	94	1.9	26	16	1095	3.44	4	5	ND	1	48	2.2	2	2	66	.37	.064	24	50	.61	95	.14	3	2.55	.02	.06	1	.8
L47+00N 35+25E	1	76	36	95	2.2	26	15	953	3.56	5	5	ND	1	47	1.9	3	2	64	.33	.063	22	52	.61	94	.14	2	2.37	.03	.06	1	.9
L47+00N 35+50E	1	50	24	102	1.3	27	14	590	4.02	6	5	ND	1	47	.9	2	2	79	.36	.076	11	65	.76	112	.19	2	2.24	.02	.07	1	1.1
L47+00N 35+75E	1	57	22	91	1.5	25	16	1234	3.68	5	5	ND	1	43	1.0	2	2	69	.30	.084	12	54	.64	107	.17	3	2.28	.02	.06	1	.9
L47+00N 36+00E	2	48	20	83	1.5	18	10	634	3.80	4	5	ND	1	30	.5	2	2	69	.20	.100	9	42	.39	85	.22	2	2.68	.03	.05	1	1.4
L47+00N 36+25E	1	62	16	98	2.0	28	15	930	4.08	7	5	ND	1	42	.8	2	2	72	.31	.085	15	56	.66	98	.15	3	3.02	.02	.07	1	1.6
L47+00N 36+50E	1	62	10	78	1.0	27	13	435	4.12	5	5	ND	1	44	.8	2	2	75	.31	.069	15	59	.66	95	.19	2	2.80	.02	.07	1	10.9
L47+00N 36+75E	1	38	12	92	.5	30	14	554	4.43	3	5	ND	1	50	.4	2	2	85	.43	.074	6	91	.86	90	.20	2	2.02	.02	.09	1	3.2
L47+00N 37+00E	1	32	19	88	.6	23	12	341	5.15	6	5	ND	1	45	.7	2	2	83	.40	.168	5	76	.61	126	.19	2	2.40	.02	.06	1	1.9
L46+00N 22+00E	1	28	33	130	.3	12	8	1316	4.21	10	5	ND	3	26	.6	2	3	70	.17	.174	7	17	.28	110	.21	4	4.56	.04	.09	1	.7
RE L47+00N 33+00E	1	29	21	80	.4	17	9	396	3.77	6	5	ND	4	24	.8	3	2	62	.19	.094	8	47	.51	57	.19	2	5.01	.02	.05	1	2.4
L46+00N 22+25E	1	28	20	70	.2	17	7	268	3.91	8	5	ND	4	24	.3	2	2	62	.13	.133	14	21	.43	72	.16	2	5.35	.02	.06	1	2.2
L46+00N 22+50E	1	22	23	60	.3	10	4	289	2.91	4	5	ND	1	14	.3	3	2	51	.07	.102	6	14	.18	70	.15	3	2.60	.02	.04	1	1.5
L46+00N 22+75E	1	22	20	31	.2	6	3	83	3.08	3	5	ND	2	8	.2	4	2	54	.04	.075	8	13	.14	48	.19	2	3.74	.02	.05	1	.4
L46+00N 23+00E	1	16	13	47	.3	6	3	82	3.18	6	5	ND	1	19	.2	4	4	53	.14	.124	6	14	.12	47	.11	2	3.00	.02	.03	1	.4
L46+00N 23+25E	1	12	46	67	.2	7	4	551	1.82	2	5	ND	1	30	.5	3	2	47	.17	.087	11	10	.15	109	.10	2	1.66	.03	.07	1	9.9
L46+00N 23+50E	1	14	25	60	.1	8	4	174	2.98	5	5	ND	1	32	.2	3	2	53	.18	.064	10	12	.22	60	.12	3	1.86	.02	.07	1	1.2
L46+00N 23+75E	1	31	93	107	.3	11	6	1232	1.57	5	5	ND	1	42	2.0	3	2	27	.38	.093	10	10	.10	250	.06	2	1.18	.02	.08	1	.3
STANDARD C/AU-S	19	64	39	134	7.4	75	31	1059	4.04	41	24	8	41	53	18.5	16	19	59	.51	.080	39	59	.93	181	.08	34	1.91	.07	.13	11	46.3

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L46+00N 24+00E	1	19	23	72	.4	9	5	605	3.68	7	5	ND	1	18	.6	2	3	55	.13	.139	10	17	.26	83	.20	3	1.76	.01	.09	1	3.1
L46+00N 24+25E	1	25	31	117	.4	18	14	1409	2.54	9	9	ND	1	26	.8	2	2	44	.29	.310	18	20	.38	100	.09	4	4.49	.01	.08	1	6.4
L46+00N 24+50E	3	23	14	79	.5	17	7	586	3.89	4	5	ND	2	21	.3	2	2	63	.17	.197	15	21	.57	72	.24	5	2.86	.02	.09	1	6.9
L46+00N 24+75E	2	17	26	63	.4	13	4	231	2.94	9	5	ND	1	24	.3	2	2	52	.20	.048	16	20	.46	72	.21	3	2.11	.02	.09	1	5.5
L46+00N 25+00E	1	24	32	133	.4	13	11	2388	2.90	7	27	ND	1	49	1.2	2	2	48	.58	.116	33	23	.44	140	.10	2	2.58	.02	.08	1	5.1
L46+00N 25+25E	1	25	44	113	.5	11	7	2554	2.98	7	5	ND	1	29	1.0	2	2	51	.27	.047	15	15	.33	156	.21	2	1.60	.02	.09	1	3.7
L46+00N 25+50E	3	18	29	93	.4	11	10	1069	3.11	6	5	ND	1	34	.7	2	3	57	.38	.052	20	21	.46	102	.20	3	2.10	.02	.09	1	2.1
L46+00N 25+75E	1	31	92	107	.5	16	16	2137	3.06	4	5	ND	1	41	1.2	2	2	57	.38	.146	15	30	.73	114	.20	3	2.37	.02	.09	1	2.0
L46+00N 26+00E	1	35	42	113	.3	17	15	1752	3.35	6	5	ND	1	42	.8	2	2	59	.48	.114	12	36	.71	92	.13	3	2.46	.02	.08	1	1.4
L46+00N 26+25E	1	46	41	72	.5	16	19	1247	2.61	7	5	ND	1	33	1.3	2	2	43	.26	.125	13	26	.40	99	.09	4	2.14	.02	.07	1	1.1
L46+00N 26+50E	2	27	20	62	.3	13	7	324	3.40	4	5	ND	1	25	.6	2	2	64	.21	.067	9	33	.51	53	.21	3	2.24	.02	.07	1	1.4
L46+00N 26+75E	2	36	20	59	.5	13	7	392	3.46	6	5	ND	1	24	.7	2	2	63	.20	.113	10	30	.40	64	.23	2	2.13	.02	.07	1	5.1
L46+00N 27+00E	1	37	26	56	.4	15	7	354	3.24	5	5	ND	1	27	.4	2	2	60	.26	.088	13	38	.53	56	.20	3	2.37	.02	.10	1	1.1
RE L46+00N 28+25E	10	52	14	102	.7	31	16	930	4.09	12	14	ND	1	55	.5	2	2	83	.78	.065	16	76	1.06	70	.22	6	3.04	.03	.09	1	7.3
L46+00N 27+25E	2	32	11	76	.4	16	8	571	3.81	4	5	ND	1	36	.4	2	2	71	.39	.099	10	39	.58	97	.22	3	2.41	.02	.09	1	17.0
L46+00N 27+50E	3	30	22	71	.6	13	10	951	3.45	3	5	ND	1	33	.6	2	4	65	.31	.074	11	32	.53	77	.20	2	2.57	.02	.07	1	1.3
L46+00N 27+75E	3	32	61	148	.4	38	16	2209	4.07	10	5	ND	1	54	1.1	2	2	76	.77	.070	10	89	1.05	252	.23	3	2.24	.03	.10	1	2.7
L46+00N 28+00E	9	44	27	86	.6	24	13	533	4.04	9	5	ND	1	45	.8	2	2	80	.54	.046	10	56	.97	79	.25	2	2.41	.02	.08	1	6.6
L46+00N 28+25E	9	48	18	96	.6	30	15	876	3.79	11	10	ND	1	52	.5	2	2	78	.74	.060	15	72	1.00	65	.20	3	2.83	.03	.08	1	3.9
L46+00N 28+50E	3	48	70	167	.9	23	15	1514	4.74	54	5	ND	1	42	1.4	3	2	85	.52	.184	8	55	.56	248	.15	4	2.12	.02	.17	1	6.6
L46+00N 28+75E	3	46	16	96	.4	23	12	925	3.46	51	5	ND	1	33	.5	2	2	64	.43	.097	9	57	.72	73	.18	2	2.08	.02	.09	1	17.8
L46+00N 29+00E	4	58	19	116	.7	32	16	1015	4.12	45	5	ND	1	49	.4	2	2	82	.77	.070	14	81	1.04	70	.22	3	2.83	.03	.09	1	2.7
L46+00N 29+25E	3	73	41	130	.6	33	15	1063	3.41	40	5	ND	1	55	1.3	2	2	69	1.07	.092	17	96	.95	71	.16	3	2.43	.03	.09	1	6.7
L46+00N 29+50E	3	33	15	75	.6	20	9	373	3.39	15	5	ND	1	31	.3	2	2	64	.40	.051	10	54	.58	69	.22	3	2.24	.03	.07	1	1.1
L46+00N 29+75E	1	15	27	36	.5	6	2	119	1.91	7	5	ND	1	14	.6	2	2	43	.11	.055	8	19	.12	45	.23	2	1.25	.02	.05	1	.4
L46+00N 30+00E	2	22	21	75	.7	15	6	322	4.36	6	5	ND	3	22	.4	2	3	76	.23	.090	9	45	.44	71	.28	2	2.52	.02	.08	1	2.8
L46+00N 30+25E	2	26	19	64	.4	15	7	898	3.08	5	5	ND	1	25	.2	2	2	56	.29	.111	9	41	.44	67	.21	2	2.16	.02	.06	1	2.2
L46+00N 30+50E	2	35	19	67	.4	19	10	612	3.42	6	5	ND	1	38	.4	2	2	63	.46	.076	11	59	.68	82	.22	3	2.19	.03	.09	1	2.4
L46+00N 30+75E	3	29	16	69	.5	17	10	890	3.10	5	5	ND	1	32	.5	2	2	55	.37	.071	13	46	.52	82	.21	3	2.04	.03	.07	1	3.0
L46+00N 31+00E	5	43	30	73	.5	19	12	1080	2.82	11	5	ND	1	45	.8	2	2	53	.75	.077	19	49	.58	72	.12	2	2.21	.02	.07	1	2.8
L46+00N 31+25E	5	47	17	70	.7	20	12	805	3.05	9	5	ND	1	39	.8	2	2	54	.64	.075	14	48	.58	66	.12	4	2.06	.02	.07	1	2.1
L46+00N 31+50E	6	36	21	66	.6	19	10	604	3.34	10	5	ND	1	44	.7	2	2	61	.73	.074	13	52	.59	77	.23	5	2.27	.07	.14	1	1.6
L46+00N 31+75E	17	31	8	66	.4	7	2	642	.29	4	7	ND	1	144	1.0	2	2	19	4.43	.112	5	10	.09	51	.01	7	.58	.01	.02	5	1.2
L46+00N 32+00E	6	54	33	73	.6	20	11	866	2.68	20	5	ND	1	49	1.1	2	2	50	1.06	.105	17	49	.56	53	.08	4	2.01	.02	.08	1	1.5
L46+00N 32+25E	5	56	23	74	.7	21	10	552	3.03	22	5	ND	1	60	1.0	2	2	51	1.28	.076	17	57	.60	61	.12	3	2.02	.02	.09	1	3.3
L46+00N 32+50E	16	65	14	46	.6	18	11	766	3.70	13	5	ND	1	43	.4	2	2	72	.80	.079	19	47	.41	48	.13	2	2.84	.02	.07	1	4.9
L46+00N 32+75E	6	56	13	52	.5	18	7	230	3.37	14	5	ND	1	23	.5	2	2	57	.27	.062	17	49	.49	46	.19	2	3.98	.02	.06	1	3.4
STANDARD C/AU-S	18	58	37	136	6.9	72	31	1131	4.06	40	16	6	36	51	18.5	14	17	55	.49	.092	38	59	.88	181	.09	31	1.92	.06	.15	13	45.0

Samples beginning 'RE' are duplicate samples.

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L46+00N 33+00E	17	9	5	51	.1	4	1	107	.31	3	5	ND	1	171	.7	2	2	22	3.46	.050	2	6	.12	30	.01	5	.27	.01	.01	3	3.3
L46+00N 33+25E	8	57	9	62	.5	25	11	381	2.48	12	6	ND	1	60	.7	2	2	53	1.03	.074	14	66	.75	50	.10	2	2.23	.02	.09	2	6.1
L46+00N 33+50E	7	64	9	71	.8	23	15	680	3.77	27	8	ND	1	45	.7	2	2	65	.65	.066	16	69	.64	56	.16	2	3.27	.02	.08	1	.6
L46+00N 33+75E	5	45	13	61	.6	20	13	459	3.91	10	5	ND	1	44	.5	2	2	71	.55	.054	14	63	.65	63	.20	2	2.36	.02	.07	1	4.3
L46+00N 34+00E	6	42	13	46	.6	16	7	183	3.95	8	5	ND	2	41	1.1	2	2	64	.51	.040	14	53	.38	61	.21	2	1.91	.02	.05	1	2.7
L46+00N 34+25E	1	21	12	38	1.1	12	6	205	3.38	2	5	ND	1	28	.3	2	2	62	.22	.054	5	48	.33	63	.20	2	1.97	.02	.04	1	4.2
L46+00N 34+50E	1	21	16	55	.5	13	8	406	4.02	5	5	ND	2	25	.6	2	2	77	.22	.175	7	52	.34	94	.21	2	1.75	.02	.06	1	4.4
L46+00N 34+75E	1	22	11	55	1.3	16	8	294	3.63	2	5	ND	1	33	.5	2	2	63	.29	.091	5	52	.47	78	.21	2	1.60	.02	.05	1	1.1
L46+00N 35+00E	1	29	27	108	1.3	21	10	558	3.85	5	5	ND	2	24	.4	2	2	65	.22	.100	6	62	.56	86	.21	2	2.22	.02	.07	1	2.6
L46+00N 35+25E	1	34	63	121	1.5	17	12	1641	3.45	9	5	ND	1	29	2.1	2	2	57	.26	.104	8	52	.46	144	.17	2	1.82	.02	.08	1	1.3
L46+00N 35+50E	1	91	8	61	.7	39	20	658	4.67	3	5	ND	2	57	.7	2	2	86	.56	.121	10	118	1.21	99	.17	2	2.93	.02	.22	1	5.6
L46+00N 35+75E	1	47	23	99	1.2	25	14	743	3.80	3	5	ND	2	34	.7	2	2	66	.29	.138	6	78	.66	144	.21	2	2.56	.02	.08	1	5.3
L46+00N 36+00E	1	32	14	76	1.1	15	12	499	4.55	2	5	ND	3	19	.8	2	2	70	.14	.091	11	48	.35	93	.28	2	3.51	.02	.07	1	6.5
RE L45+00N 22+00E	1	20	20	88	.2	13	7	508	3.81	4	5	ND	3	13	.2	2	2	56	.10	.130	8	19	.27	101	.20	3	3.76	.02	.08	1	3.4
L46+00N 36+25E	1	54	17	73	2.0	19	14	798	3.26	2	5	ND	1	36	1.1	2	2	58	.25	.100	20	43	.40	116	.17	2	1.94	.02	.08	1	1.8
L46+00N 36+50E	3	67	17	56	2.5	20	16	1274	3.44	3	5	ND	1	32	.9	2	2	61	.29	.093	15	54	.48	70	.16	2	2.35	.02	.07	1	2.5
L46+00N 36+75E	3	80	16	49	2.4	17	9	409	2.94	4	5	ND	1	34	1.3	2	2	56	.34	.051	16	38	.35	81	.18	2	2.04	.02	.06	1	4.6
L46+00N 37+00E	4	46	13	118	.6	23	12	365	5.01	12	5	ND	2	36	1.1	2	2	111	.29	.033	6	101	.56	99	.31	2	1.59	.02	.07	1	9.4
L45+00N 22+00E	2	21	19	88	.2	13	7	499	3.80	2	5	ND	4	14	.5	2	2	58	.11	.123	9	21	.27	102	.21	2	3.70	.02	.09	1	4.8
L45+00N 22+25E	5	42	21	106	.4	22	9	986	3.41	3	6	ND	1	45	1.2	2	2	59	.49	.161	39	25	.56	165	.07	3	3.90	.02	.11	1	.4
L45+00N 22+50E	3	25	43	94	.2	15	14	2605	2.95	8	5	ND	1	34	.9	2	2	49	.48	.113	21	16	.38	127	.08	2	3.01	.02	.09	1	.6
L45+00N 22+75E	3	16	20	93	.2	18	9	887	2.91	2	5	ND	1	14	.4	2	2	45	.13	.105	11	17	.31	76	.18	4	4.41	.02	.07	1	.2
L45+00N 23+00E	3	22	13	98	.6	18	9	412	4.79	2	5	ND	2	17	.3	2	2	63	.10	.085	16	23	.53	61	.19	2	3.78	.02	.11	1	2.4
L45+00N 23+25E	2	14	9	63	.1	12	4	171	2.49	5	5	ND	4	12	.2	2	2	40	.09	.095	10	16	.31	38	.12	2	5.52	.01	.04	2	1.1
L45+00N 23+50E	2	13	18	64	.1	10	5	480	3.25	2	5	ND	2	12	.2	2	4	43	.10	.148	8	14	.21	66	.13	2	2.77	.01	.09	1	.2
L45+00N 23+75E	3	45	27	57	.4	12	5	220	2.80	2	5	ND	1	10	.7	2	3	43	.07	.104	12	15	.27	59	.11	2	2.82	.01	.06	1	6.2
L45+00N 24+00E	3	38	20	50	.3	10	4	197	2.80	2	5	ND	2	9	.4	2	3	42	.06	.109	10	12	.20	60	.13	2	3.43	.01	.06	1	.3
L45+00N 24+25E	1	18	16	54	.1	8	4	439	3.64	2	5	ND	2	14	.5	2	3	48	.11	.152	9	14	.17	76	.17	2	3.91	.02	.05	1	.2
L45+00N 24+50E	2	15	24	64	.1	10	5	330	4.86	6	5	ND	2	9	.2	2	3	57	.05	.106	10	17	.21	59	.23	2	2.81	.02	.08	1	.2
L45+00N 24+75E	1	21	22	75	.1	11	6	908	3.38	7	5	ND	1	22	.5	2	2	50	.10	.159	9	16	.32	54	.14	2	3.36	.01	.09	1	.2
L45+00N 25+00E	2	26	24	83	.1	14	7	1164	3.81	7	5	ND	1	15	.7	2	2	59	.08	.213	11	20	.39	88	.16	2	3.29	.02	.10	1	.9
L45+00N 25+25E	2	25	13	65	.1	14	7	249	4.16	6	5	ND	1	16	.4	2	2	67	.08	.166	12	25	.55	49	.12	2	2.96	.01	.12	1	.2
L45+00N 25+50E	1	38	19	74	.3	19	10	287	4.17	5	5	ND	3	23	.6	2	2	69	.13	.114	12	29	.90	98	.24	3	3.19	.02	.14	1	.2
L45+00N 25+75E	1	17	20	37	.1	5	2	112	4.40	3	5	ND	4	12	.4	2	2	63	.06	.106	8	22	.14	41	.20	2	4.47	.01	.04	1	.2
L45+00N 26+00E	2	31	14	22	.2	7	3	96	3.61	15	5	ND	6	8	.4	2	2	58	.07	.230	5	16	.13	28	.24	2	4.71	.02	.03	1	.4
L45+00N 26+25E	1	30	13	35	.2	10	4	114	3.02	2	5	ND	3	18	.5	2	2	54	.14	.097	11	25	.28	59	.14	2	2.68	.02	.07	1	1.5
L45+00N 26+50E	1	13	17	36	.1	7	3	146	3.28	8	5	ND	3	12	.7	2	2	47	.07	.168	8	19	.17	33	.20	2	3.12	.02	.06	1	.2
STANDARD C/AU-S	19	58	39	132	7.1	70	31	1058	3.93	42	20	6	39	52	18.9	14	20	56	.48	.086	39	57	.88	175	.09	32	1.90	.06	.15	11	45.2

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L45+00N 26+75E	1	17	27	40	.3	10	3	228	2.48	3	5	ND	2	15	.2	2	2	54	.10	.066	11	26	.24	59	.26	3	2.26	.02	.06	1	4.1
L45+00N 27+00E	2	68	17	73	.4	17	6	224	3.92	5	5	ND	3	26	.2	2	2	70	.21	.139	11	44	.49	57	.24	4	4.32	.02	.09	1	3.5
L45+00N 27+25E	1	61	33	130	.6	26	11	2182	4.08	4	5	ND	1	39	.7	2	4	71	.41	.286	10	55	.72	130	.21	4	2.62	.02	.10	1	31.9
L45+00N 27+50E	2	34	18	104	.5	17	8	427	3.60	7	5	ND	1	30	.3	2	2	61	.28	.307	10	42	.53	62	.10	5	2.98	.02	.08	1	1.8
L45+00N 27+75E	2	48	11	102	.5	21	9	415	4.43	8	5	ND	2	23	.2	2	3	69	.23	.140	10	48	.60	49	.22	4	3.54	.02	.09	1	5.1
L45+00N 28+00E	1	54	56	127	.5	21	18	2184	3.34	13	5	ND	1	41	1.0	2	3	62	.49	.223	8	44	.55	185	.24	3	2.10	.04	.16	1	27.3
L45+00N 28+25E	1	48	17	122	.5	76	24	965	4.46	13	5	ND	1	31	.5	2	3	92	.47	.081	9	189	1.50	126	.24	3	2.88	.03	.18	1	54.2
L45+00N 28+50E	1	42	13	138	.4	115	31	1200	5.06	5	5	ND	1	28	.2	2	2	103	.60	.081	4	303	2.69	194	.25	4	3.22	.02	1.12	1	7.4
L45+00N 28+75E	5	48	16	124	.6	30	15	1224	3.72	10	5	ND	1	41	.3	2	2	71	.74	.098	12	71	.90	85	.22	9	2.68	.02	.11	1	3.5
L45+00N 29+00E	1	17	14	41	.5	11	3	201	3.00	2	5	ND	3	19	.2	2	4	53	.19	.071	8	34	.28	38	.24	4	3.20	.02	.05	1	7.3
RE L45+00N 30+25E	4	62	37	114	.4	30	16	1112	3.45	76	5	ND	1	53	.6	2	2	66	1.07	.094	15	79	.88	61	.12	2	2.42	.03	.10	1	17.7
L45+00N 29+25E	2	22	19	34	.5	10	3	132	3.45	5	5	ND	2	12	.2	2	4	54	.11	.152	8	32	.20	46	.27	3	2.93	.02	.05	1	2.1
L45+00N 29+50E	1	41	13	46	.5	22	9	383	2.85	5	5	ND	2	37	.3	2	4	54	.63	.184	15	75	.75	48	.19	3	2.31	.03	.10	1	7.6
L45+00N 29+75E	1	23	13	56	.4	14	6	351	3.39	4	5	ND	2	27	.2	2	3	59	.30	.187	7	47	.40	49	.23	3	2.47	.02	.06	1	2.2
L45+00N 30+00E	3	82	24	134	.3	41	18	853	3.80	69	5	ND	1	47	.2	2	3	71	.71	.063	10	98	.95	69	.22	4	2.56	.03	.10	1	28.4
L45+00N 30+25E	4	63	34	114	.5	30	16	1134	3.42	78	5	ND	1	53	.7	2	2	66	1.08	.093	15	79	.87	62	.12	4	2.40	.02	.10	1	22.1
L45+00N 30+50E	7	86	22	95	.5	33	16	760	3.12	38	5	ND	1	47	.5	2	2	61	.89	.110	18	63	.79	63	.11	4	2.56	.02	.09	1	5.0
L45+00N 30+75E	4	41	16	78	.6	22	13	591	3.30	10	5	ND	1	43	.3	2	3	59	.71	.064	13	51	.61	71	.20	2	2.05	.02	.08	1	2.8
L45+00N 31+00E	3	30	31	80	1.3	18	10	757	3.04	7	5	ND	1	35	.7	2	2	54	.46	.103	9	49	.49	79	.19	2	1.87	.02	.08	1	3.9
L45+00N 31+25E	4	53	13	108	.4	30	17	637	4.05	12	5	ND	1	36	.2	2	2	77	.48	.092	11	64	.87	87	.24	3	2.71	.03	.10	1	8.1
L45+00N 31+50E	5	70	17	100	.6	34	19	1012	3.72	25	5	ND	1	48	.5	2	2	72	.80	.091	15	65	.93	63	.18	4	2.44	.02	.09	1	10.5
L45+00N 31+75E	4	48	15	86	.5	33	20	654	3.68	17	5	ND	1	44	.2	2	3	70	.58	.070	11	67	.84	58	.22	2	2.31	.02	.08	2	5.6
L45+00N 32+00E	4	45	14	101	.4	35	18	645	4.11	20	5	ND	1	49	.2	2	3	73	.64	.118	8	68	.90	105	.24	3	2.45	.02	.09	1	1.9
L45+00N 32+25E	2	40	31	148	.6	26	15	1771	4.36	13	5	ND	1	58	.8	2	2	74	.72	.259	9	65	.88	355	.21	4	2.08	.02	.15	1	5.3
L45+00N 32+50E	2	37	29	133	.5	21	12	810	3.74	14	5	ND	1	46	.9	2	2	66	.50	.090	8	62	.58	172	.22	2	1.65	.02	.09	1	9.5
L45+00N 32+75E	1	31	18	127	.7	17	9	1078	3.33	5	5	ND	1	40	.7	2	2	56	.51	.143	7	48	.41	193	.20	2	1.77	.02	.08	1	2.1
L45+00N 33+00E	2	48	24	77	.6	25	15	931	3.33	5	5	ND	1	53	.5	2	2	63	.71	.095	13	77	.76	67	.13	2	2.30	.02	.07	1	1.1
L45+00N 33+25E	1	41	36	78	.8	24	12	797	3.74	8	5	ND	1	40	.7	2	2	66	.43	.120	9	84	.70	105	.18	3	1.79	.02	.08	1	1.7
L45+00N 33+50E	3	49	24	110	.8	29	15	979	3.54	14	5	ND	1	60	1.1	2	2	68	.98	.099	13	91	.82	73	.11	3	2.29	.02	.08	1	14.2
L45+00N 33+75E	2	53	15	72	.8	24	13	625	3.56	4	5	ND	1	43	.7	2	2	66	.54	.054	11	75	.73	77	.22	3	2.39	.02	.08	1	7.1
L45+00N 34+00E	2	56	16	58	1.2	28	13	500	4.22	5	5	ND	1	59	.5	2	2	77	.61	.049	9	103	.72	92	.25	2	1.95	.02	.08	1	14.4
L45+00N 34+25E	1	60	16	78	1.3	31	16	686	4.25	5	5	ND	1	58	.6	2	2	75	.63	.070	10	91	.80	111	.23	2	2.14	.02	.09	1	7.5
L45+00N 34+50E	2	71	16	126	.7	37	18	1147	4.25	32	5	ND	1	53	1.0	2	2	74	.67	.130	11	91	.79	90	.11	2	2.50	.02	.08	1	7.0
L45+00N 34+75E	3	70	38	163	.6	38	17	1214	3.70	29	5	ND	1	71	2.4	2	2	69	1.15	.146	12	91	.85	94	.10	3	2.32	.02	.09	1	.3
L45+00N 35+00E	4	71	29	211	.9	49	17	959	4.15	23	5	ND	1	72	4.0	2	2	81	1.18	.091	10	103	.90	75	.18	4	2.21	.02	.09	2	20.5
L45+00N 35+25E	9	71	17	113	2.8	29	16	1141	3.68	13	5	ND	1	59	2.1	2	2	76	.85	.062	18	73	.60	63	.20	3	2.19	.02	.08	1	2.8
L45+00N 35+50E	6	55	25	79	.8	24	7	199	4.73	34	5	ND	1	40	2.1	2	3	95	.35	.042	6	78	.54	88	.27	3	2.16	.02	.09	1	5.1
STANDARD C/AU-S	18	57	38	134	6.9	71	33	1059	4.02	41	19	8	36	53	18.4	16	19	55	.50	.091	38	59	.88	180	.09	32	1.91	.05	.15	11	53.3

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L45+00N 35+75E	7	78	25	77	3.1	20	7	294	3.54	13	5	ND	1	46	4.9	2	2	66	.58	.057	16	50	.34	58	.18	2	2.16	.03	.05	1	3.7
L45+00N 36+00E	8	70	33	254	1.3	35	16	1200	3.60	24	5	ND	1	69	5.1	2	2	67	.97	.105	16	68	.77	81	.10	2	2.70	.03	.07	1	18.7
L45+00N 36+25E	3	119	22	672	1.9	61	19	1007	4.02	56	5	ND	1	63	11.2	2	2	80	.85	.085	14	94	.99	74	.18	2	2.78	.02	.07	1	5.5
L45+00N 36+50E	2	52	18	133	.9	27	15	714	4.22	37	5	ND	1	46	2.3	2	2	80	.43	.064	10	87	.75	72	.18	2	2.16	.02	.07	1	3.2
L45+00N 36+75E	2	68	27	124	1.4	32	19	895	4.39	56	5	ND	1	63	2.2	2	2	84	.62	.085	18	96	.83	80	.14	2	2.63	.02	.08	1	7.9
L45+00N 37+00E	1	45	14	88	1.7	28	16	1242	4.13	13	5	ND	1	69	1.2	2	2	83	.68	.066	24	100	.77	86	.15	2	2.28	.02	.07	1	40.0
L44+00N 22+00E	1	44	63	138	.3	59	19	1728	4.12	12	5	ND	1	66	1.7	2	2	75	.65	.130	31	41	1.33	221	.20	5	3.44	.04	.13	1	5.5
L44+00N 22+25E	4	29	39	128	.4	26	16	1878	3.41	8	5	ND	1	36	1.3	2	2	56	.43	.092	22	31	.62	150	.12	3	3.25	.02	.09	1	4.1
L44+00N 22+50E	1	25	42	126	.3	16	10	554	3.95	18	5	ND	1	18	1.2	2	2	61	.17	.078	12	21	.41	146	.16	3	2.69	.02	.09	1	2.6
L44+00N 22+75E	2	20	20	123	.3	16	11	947	3.38	9	5	ND	1	23	.6	2	2	51	.27	.075	14	20	.39	145	.15	3	2.91	.02	.09	1	3.5
L44+00N 23+00E	3	23	22	89	.3	16	11	960	3.28	10	5	ND	1	16	.6	2	2	48	.14	.131	17	19	.37	70	.09	4	4.29	.01	.10	1	5.0
L44+00N 23+25E	2	20	17	97	.4	16	9	732	3.24	6	5	ND	1	18	.5	2	2	56	.16	.084	15	20	.42	73	.13	2	3.24	.02	.08	1	2.5
L44+00N 23+50E	2	23	15	84	.2	13	6	319	3.69	8	5	ND	2	13	1.0	2	2	62	.11	.113	12	17	.32	58	.20	2	4.21	.02	.08	1	1.4
L44+00N 23+75E	1	23	25	82	.2	15	7	374	3.93	10	5	ND	1	16	.9	2	2	54	.10	.113	13	20	.41	66	.14	3	3.19	.02	.11	1	1.4
RE L44+00N 24+75E	2	27	41	80	.5	14	9	381	3.42	11	5	ND	1	13	.6	2	2	47	.09	.124	15	19	.38	77	.11	2	3.26	.01	.08	1	2.4
L44+00N 24+00E	1	16	47	109	.1	11	8	3716	3.17	7	5	ND	1	26	.6	2	2	56	.19	.079	11	17	.31	211	.12	2	1.90	.02	.08	1	2.0
L44+00N 24+25E	1	22	23	102	.2	16	9	843	3.32	8	5	ND	1	19	.9	2	2	54	.15	.151	16	17	.40	97	.16	3	4.33	.02	.07	1	4.4
L44+00N 24+50E	1	20	36	90	.2	15	8	906	3.60	10	5	ND	1	14	.9	2	2	53	.10	.129	11	19	.36	78	.15	2	2.64	.02	.09	1	1.7
L44+00N 24+75E	2	23	49	81	.3	15	9	423	3.48	15	5	ND	1	13	.6	2	3	46	.09	.123	14	20	.39	76	.12	2	3.21	.02	.09	1	3.3
L44+00N 25+00E	2	26	25	86	.4	16	13	1345	3.25	9	5	ND	1	24	1.1	2	2	53	.16	.136	14	20	.37	95	.12	3	2.70	.02	.08	1	5.9
L44+00N 25+25E	1	22	14	103	.2	15	8	714	3.12	9	5	ND	1	18	.9	2	2	51	.14	.133	10	20	.37	75	.15	2	3.79	.02	.08	1	75.1
L44+00N 25+50E	2	26	20	83	.2	14	7	307	3.89	10	7	ND	2	19	.5	2	2	66	.14	.116	10	21	.52	73	.17	3	2.88	.02	.09	4	7.6
L44+00N 25+75E	2	42	15	95	.1	20	10	368	5.36	16	5	ND	5	23	.2	2	2	81	.15	.087	11	37	.79	53	.22	2	3.49	.01	.12	1	3.3
L44+00N 26+00E	1	46	20	70	.2	16	8	189	4.03	5	5	ND	2	19	.2	2	2	81	.11	.115	10	26	.54	70	.21	2	3.29	.02	.08	3	2.5
L44+00N 26+25E	2	30	23	50	.2	13	6	107	3.96	8	12	ND	4	10	.4	2	3	71	.07	.134	7	17	.22	59	.26	2	3.70	.02	.06	2	1.3
L44+00N 26+50E	1	33	26	69	.4	13	6	468	3.36	9	5	ND	1	18	.5	2	2	59	.12	.164	11	20	.33	79	.12	2	3.08	.02	.06	1	1.8
L44+00N 26+75E	3	49	15	73	.4	20	10	295	3.98	9	5	ND	4	21	.6	2	2	63	.13	.121	16	33	.65	59	.15	2	4.38	.01	.09	1	3.0
L44+00N 27+00E	5	24	14	94	.5	14	8	253	3.38	11	5	ND	3	20	.3	2	2	59	.15	.068	10	24	.49	63	.13	2	3.64	.02	.07	1	48.4
L44+00N 27+25E	3	39	16	77	.3	17	8	331	3.79	9	5	ND	3	17	.8	2	2	65	.12	.091	12	27	.45	67	.19	2	3.83	.02	.08	1	21.9
L44+00N 27+50E	1	32	24	66	.4	23	9	211	5.00	8	5	ND	3	19	.3	2	3	100	.16	.100	6	60	.56	50	.27	2	2.58	.02	.10	1	13.5
L44+00N 27+75E	2	27	16	60	.3	13	5	227	3.27	6	5	ND	3	15	.3	2	2	63	.12	.108	8	27	.33	79	.20	2	3.08	.02	.06	1	3.8
L44+00N 28+00E	3	26	21	76	.7	16	7	317	4.12	14	5	ND	2	18	.2	2	2	73	.17	.067	9	35	.42	51	.19	2	2.33	.02	.08	1	18.0
L44+00N 28+25E	5	116	24	133	.3	36	55	3144	4.44	16	5	ND	1	25	1.1	2	2	74	.33	.163	9	57	.54	87	.10	3	2.53	.02	.17	7	11.4
L44+00N 28+50E	2	169	11	121	.5	57	28	834	5.26	7	5	ND	1	16	.6	2	2	127	.31	.100	8	135	1.24	84	.23	2	3.40	.03	.26	4	4.7
L44+00N 28+75E	1	64	17	119	.5	55	16	652	4.29	11	5	ND	3	28	.7	2	2	86	.32	.067	10	98	1.09	90	.23	2	3.76	.03	.13	1	11.3
L44+00N 29+00E	1	45	21	61	.4	24	8	233	3.42	11	5	ND	4	18	.6	2	2	65	.18	.063	7	50	.57	49	.19	2	3.72	.02	.06	1	2.6
L44+00N 29+25E	3	162	83	128	.4	30	28	1632	2.70	14	5	ND	1	27	2.3	3	2	58	.44	.122	6	20	.38	119	.08	3	1.87	.02	.08	17	4.3
STANDARD C/AU-S	19	60	40	133	7.0	72	33	1034	3.97	43	19	7	41	52	17.3	16	19	56	.47	.086	39	58	.84	178	.08	33	1.90	.07	.13	12	46.4

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L44+00N 29+50E	4	62	17	148	.1	36	20	1119	3.69	30	5	ND	1	36	.7	2	2	76	.38	.083	6	61	.77	130	.17	3	2.27	.03	.12	11	3.0
L44+00N 29+75E	3	112	21	138	.2	55	33	882	3.70	24	5	ND	1	33	.7	2	2	84	.44	.105	9	63	.76	86	.16	2	2.57	.03	.13	2	2.2
L44+00N 30+00E	4	146	9	133	.2	47	36	887	4.83	23	6	ND	1	21	.9	2	2	134	.34	.072	6	46	.91	148	.25	2	2.70	.03	.16	1	27.1
L44+00N 30+25E	3	194	43	113	.6	63	48	1004	3.55	22	5	ND	1	23	.9	2	2	87	.24	.093	12	42	.54	100	.15	2	2.25	.03	.10	1	4.7
L44+00N 30+50E	3	39	16	60	.5	18	9	227	3.84	7	5	ND	1	28	.8	2	2	73	.24	.069	8	42	.48	66	.22	2	2.06	.03	.06	1	12.8
L44+00N 30+75E	5	94	17	102	.4	68	33	1360	3.86	18	5	ND	1	36	.9	2	2	71	.49	.112	13	58	.73	107	.14	2	2.66	.03	.10	4	10.4
L44+00N 31+00E	2	41	14	64	.6	25	10	325	4.12	5	5	ND	2	33	.4	2	2	85	.37	.078	10	50	.52	68	.23	2	2.33	.04	.09	1	2.4
L44+00N 31+25E	3	61	15	76	.5	38	19	501	3.66	5	5	ND	1	40	.6	2	2	73	.47	.082	12	62	.74	59	.15	2	2.52	.03	.08	2	1.7
L44+00N 31+50E	3	53	35	84	.7	27	16	604	3.63	10	5	ND	1	41	1.0	2	2	73	.44	.120	10	64	.69	69	.13	2	2.04	.03	.09	1	64.7
L44+00N 31+75E	1	33	14	57	.4	21	10	309	3.50	2	5	ND	1	36	.2	2	2	71	.39	.052	8	66	.63	65	.18	2	1.92	.03	.07	1	21.5
L44+00N 32+00E	1	42	15	59	.6	23	17	509	3.14	4	5	ND	1	43	.8	2	2	65	.43	.074	12	58	.66	75	.11	2	2.11	.02	.06	1	3.0
L44+00N 32+25E	1	40	43	86	.3	22	15	1167	2.87	3	5	ND	1	49	1.1	2	2	65	.50	.098	12	47	.58	114	.08	2	2.04	.03	.08	1	8.4
L44+00N 32+50E	1	44	20	92	1.8	30	14	585	4.16	2	5	ND	1	54	1.1	2	2	89	.51	.112	9	76	.84	219	.19	2	2.42	.04	.11	1	4.1
L44+00N 32+75E	1	44	39	96	.9	34	16	933	4.27	7	5	ND	1	55	.8	2	2	97	.60	.071	7	91	.93	143	.17	2	2.14	.04	.11	1	1.5
L44+00N 33+00E	1	63	27	142	.7	37	21	1683	4.38	9	5	ND	2	51	1.6	2	2	90	.51	.213	12	81	.92	257	.18	2	2.96	.04	.14	1	6.5
L44+00N 33+25E	1	53	19	111	.8	31	15	759	4.28	3	5	ND	1	49	1.0	2	2	86	.61	.147	8	76	.80	133	.15	2	2.92	.03	.09	1	4.9
L44+00N 33+50E	2	55	16	104	.8	32	15	564	4.56	12	5	ND	2	47	.8	2	2	93	.55	.076	9	89	.75	85	.20	2	2.81	.03	.09	1	5.5
L44+00N 33+75E	3	82	11	111	.5	43	21	713	4.59	28	5	ND	1	59	1.0	2	2	99	.61	.070	8	124	1.16	72	.18	2	2.56	.03	.08	2	3.1
L44+00N 34+00E	3	73	11	92	.7	38	16	380	4.82	10	5	ND	1	56	1.3	2	2	106	.56	.087	7	122	.91	66	.21	2	2.09	.03	.08	1	12.3
L44+00N 34+25E	4	60	15	81	.5	33	12	308	4.03	10	5	ND	1	55	.9	2	2	88	.64	.069	6	97	.76	55	.16	2	1.89	.02	.08	1	4.6
L44+00N 34+50E	2	72	14	76	.8	35	14	345	4.30	4	5	ND	1	62	.5	2	2	101	.59	.089	5	117	.86	75	.21	2	2.25	.03	.08	1	10.3
L44+00N 34+75E	1	49	20	74	.9	28	12	348	4.48	2	5	ND	1	54	.6	2	2	96	.47	.107	6	95	.70	71	.22	2	1.94	.03	.08	1	4.7
L44+00N 35+00E	1	76	26	98	1.7	36	16	484	4.77	6	5	ND	3	63	1.3	2	2	105	.56	.138	8	113	.89	102	.21	2	3.04	.04	.17	2	10.6
L44+00N 35+25E	1	42	25	91	1.9	25	11	531	4.29	3	5	ND	1	49	1.2	2	2	92	.39	.118	6	90	.59	83	.18	2	2.14	.03	.08	1	2.7
L44+00N 35+50E	1	41	16	144	1.2	27	14	1495	3.83	6	5	ND	1	43	1.9	2	2	81	.36	.085	6	81	.66	88	.13	2	1.70	.03	.08	1	4.8
L44+00N 35+75E	2	79	51	425	1.0	66	17	947	4.14	39	5	ND	1	78	7.9	2	2	88	.99	.086	10	146	.87	69	.12	2	2.17	.02	.09	1	1.2
L44+00N 36+00E	4	283	73	693	26.3	75	19	991	4.47	59	5	ND	1	79	14.4	2	2	98	.99	.086	80	141	1.02	81	.11	2	2.70	.03	.13	1	12.8
L44+00N 36+25E	2	71	27	248	1.8	35	16	744	3.87	25	6	ND	1	58	5.7	2	2	80	.68	.088	13	86	.80	105	.14	2	1.95	.02	.08	2	86.5
L44+00N 36+50E	2	64	28	107	.7	32	17	730	3.99	74	5	ND	1	71	2.4	2	2	87	.95	.082	9	84	.81	80	.12	2	2.01	.02	.10	1	49.4
L44+00N 36+75E	5	56	22	61	.8	26	15	538	4.18	17	5	ND	1	48	.9	2	2	87	.53	.066	11	66	.67	74	.20	2	2.20	.02	.09	1	3.9
L44+00N 37+00E	1	72	10	125	.6	38	20	1861	4.66	4	5	ND	1	45	.6	2	2	104	.38	.064	8	80	.93	102	.21	2	3.44	.03	.12	1	3.6
L43+00N 22+00E	1	47	30	94	.5	59	19	820	4.64	5	5	ND	6	52	.9	2	2	97	.46	.088	33	48	1.38	170	.29	2	4.38	.04	.13	1	1.8
RE L44+00N 36+25E	2	69	23	247	1.0	36	17	812	4.28	28	5	ND	1	63	5.4	2	2	87	.71	.093	13	92	.90	119	.14	2	2.22	.02	.09	3	172.8
L43+00N 22+25E	2	21	34	91	.4	16	8	790	4.11	12	5	ND	5	21	1.0	5	2	82	.17	.096	10	25	.37	94	.18	3	2.43	.02	.10	1	14.7
L43+00N 22+50E	1	16	20	76	.1	17	7	534	4.09	2	5	ND	3	22	.3	2	2	85	.20	.083	10	24	.44	76	.14	2	2.49	.02	.08	1	7.5
L43+00N 22+75E	1	15	36	85	.1	14	6	803	3.82	7	5	ND	3	20	.2	3	2	70	.17	.095	8	19	.30	105	.16	2	2.86	.02	.09	1	3.1
L43+00N 23+00E	1	19	39	99	.2	26	10	1030	4.01	6	5	ND	5	20	.5	2	2	78	.15	.117	10	32	.53	99	.16	3	2.95	.02	.10	1	3.7
STANDARD C/AU-S	17	57	38	127	6.9	67	30	931	3.93	38	17	7	39	48	17.4	16	19	55	.46	.085	36	56	.84	171	.07	33	1.86	.06	.13	11	46.6

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L43+00N 23+25E	2	27	14	80	.4	14	8	579	3.31	2	5	ND	2	11	.2	2	2	52	.09	.093	12	19	.24	97	.22	3	5.12	.02	.06	3	4.0
L43+00N 23+50E	3	21	26	115	.3	20	8	525	4.84	7	5	ND	2	17	.2	2	2	78	.12	.087	14	28	.46	109	.25	4	4.08	.02	.10	2	3.6
L43+00N 23+75E	3	25	30	113	.7	24	13	1132	4.01	3	9	ND	1	25	.3	2	2	59	.18	.068	15	29	.48	121	.19	3	3.86	.02	.10	1	3.8
L43+00N 24+00E	1	16	24	90	.3	10	5	462	3.83	2	5	ND	1	12	.2	2	2	65	.08	.070	9	16	.16	91	.25	2	2.86	.03	.07	1	3.4
L43+00N 24+25E	1	20	15	92	.1	12	5	779	3.66	2	5	ND	1	11	.2	2	2	57	.07	.099	8	17	.21	84	.24	2	4.26	.02	.05	1	2.0
L43+00N 24+50E	1	18	24	79	.2	8	4	849	2.53	3	5	ND	1	15	.3	2	3	48	.11	.062	7	13	.16	69	.17	3	1.54	.03	.05	1	.8
L43+00N 24+75E	2	30	17	78	.2	13	6	522	3.37	2	5	ND	1	16	.3	2	2	58	.10	.222	17	20	.39	89	.12	3	4.02	.02	.09	1	1.2
L43+00N 25+00E	2	18	25	85	.2	11	5	326	4.44	5	5	ND	1	18	.3	2	2	89	.11	.076	11	20	.24	106	.26	3	2.14	.02	.08	1	.5
L43+00N 25+25E	2	23	28	83	.1	12	5	397	4.11	7	5	ND	1	15	.2	2	2	67	.11	.118	10	23	.31	83	.20	3	3.70	.02	.08	2	1.1
L43+00N 25+50E	5	44	22	72	.5	14	7	195	4.89	8	6	ND	1	13	.3	2	2	70	.07	.139	16	24	.38	95	.25	3	3.73	.02	.09	1	2.3
L43+00N 25+75E	3	31	15	82	.2	15	9	514	3.93	6	5	ND	1	16	.2	2	2	62	.11	.240	16	24	.44	61	.20	4	5.01	.02	.10	7	7.0
L43+00N 26+00E	2	26	45	108	.5	12	6	669	2.59	7	5	ND	2	20	1.5	2	2	47	.13	.116	12	19	.31	178	.19	4	1.59	.03	.11	1	3.5
L43+00N 26+25E	2	24	28	115	.3	16	9	710	4.24	5	5	ND	1	25	.2	2	2	72	.17	.101	12	26	.58	86	.22	3	3.39	.02	.08	1	3.7
L43+00N 26+50E	2	31	21	108	.2	17	10	582	4.20	7	5	ND	1	16	.4	2	2	61	.11	.180	14	23	.44	84	.23	4	4.67	.02	.10	2	1.8
L43+00N 26+75E	3	24	25	88	.4	14	6	363	4.58	10	7	ND	1	24	.4	2	2	73	.15	.123	12	23	.39	77	.22	3	4.07	.02	.10	1	1.4
L43+00N 27+00E	2	17	17	86	.3	11	4	306	3.73	5	5	ND	1	18	.4	2	2	66	.13	.102	11	19	.32	73	.21	3	3.41	.02	.09	1	.6
L43+00N 27+25E	3	41	18	78	.4	13	7	577	4.30	4	5	ND	1	16	.2	2	2	69	.12	.186	10	24	.29	99	.24	2	3.77	.02	.08	2	5.6
RE L43+00N 28+50E	2	46	9	88	.3	45	13	477	4.41	3	5	ND	1	17	.2	2	2	77	.19	.112	8	103	.86	86	.26	3	3.99	.03	.10	1	2.3
L43+00N 27+50E	3	39	15	94	.4	16	12	726	4.52	8	5	ND	1	13	.2	2	4	62	.10	.188	13	28	.38	71	.23	3	4.46	.02	.09	2	2.7
L43+00N 27+75E	1	63	5	177	.1	146	34	1317	6.74	3	5	ND	1	21	.2	2	2	151	.41	.080	5	368	2.38	105	.31	2	4.55	.03	.43	1	4.1
L43+00N 28+00E	16	83	13	172	.3	64	39	3092	5.59	39	5	ND	1	23	.6	2	2	91	.26	.111	15	120	.96	112	.12	5	4.16	.02	.13	9	19.7
L43+00N 28+25E	2	81	9	147	.2	126	32	1084	6.86	10	5	ND	1	21	.3	2	2	142	.31	.076	6	262	1.94	93	.30	3	4.02	.04	.18	4	1.0
L43+00N 28+50E	2	49	12	91	.4	48	14	496	4.48	5	5	ND	1	17	.2	2	2	81	.19	.107	8	110	.92	87	.26	3	4.00	.03	.11	1	1.4
L43+00N 28+75E	2	33	13	48	.5	18	5	299	4.18	4	6	ND	1	14	.2	2	2	68	.11	.151	6	57	.34	71	.24	3	4.99	.02	.06	2	1.6
L43+00N 29+00E	1	60	13	55	.3	32	9	240	4.30	18	5	ND	1	17	.2	4	2	81	.18	.161	5	84	.49	42	.20	2	2.80	.01	.07	1	.5
L43+00N 29+25E	2	76	14	77	.2	32	12	330	4.85	7	5	ND	1	35	.2	2	2	98	.32	.167	12	79	.98	60	.24	2	3.49	.02	.11	2	5.5
L43+00N 29+50E	1	106	7	128	.5	34	20	371	7.31	11	5	ND	1	13	.6	2	2	197	.17	.103	6	70	1.16	150	.38	2	4.89	.03	.26	1	27.6
L43+00N 29+75E	2	33	17	53	.3	12	4	151	4.40	4	5	ND	1	17	.2	2	2	78	.14	.165	9	38	.32	52	.19	2	4.15	.02	.07	2	5.3
L43+00N 30+00E	1	31	18	56	.3	17	6	311	3.40	2	6	ND	1	27	.2	2	2	62	.24	.122	11	42	.48	65	.23	2	2.37	.02	.09	1	1.0
L43+00N 30+25E	4	144	51	113	.4	24	28	2378	4.07	23	5	ND	1	29	1.1	2	2	67	.27	.224	12	33	.55	121	.13	3	2.78	.02	.13	3	2.1
L43+00N 30+50E	7	123	17	116	.3	36	17	748	4.78	37	5	ND	1	37	.5	2	2	85	.35	.108	11	50	.77	93	.21	4	3.25	.02	.13	4	.2
L43+00N 30+75E	28	262	17	173	.4	63	100	2965	5.95	78	5	ND	1	44	1.1	2	2	86	.59	.132	22	49	.70	134	.12	3	3.05	.02	.09	3	3.8
L43+00N 31+00E	16	69	24	120	.7	29	19	885	5.09	47	5	ND	1	35	.4	2	2	95	.29	.115	14	45	.65	107	.23	4	3.20	.04	.15	5	160.0
L43+00N 31+25E	1	67	21	132	.5	22	16	7008	3.57	7	5	ND	1	38	1.3	3	2	54	.27	.172	11	23	.33	154	.10	2	2.41	.02	.07	1	4.6
L43+00N 31+50E	1	59	38	131	.6	19	9	2214	3.84	8	5	ND	1	39	.8	2	2	59	.24	.299	11	29	.43	179	.17	4	2.69	.03	.18	1	3.5
L43+00N 31+75E	1	60	22	84	.5	13	6	545	4.24	23	5	ND	1	19	.7	2	2	69	.11	.135	11	26	.37	90	.14	2	2.69	.02	.09	1	2.8
L43+00N 32+00E	7	51	17	394	.3	43	16	1812	4.15	28	5	ND	1	34	2.9	2	2	97	.38	.093	10	64	.64	108	.14	2	2.55	.02	.07	2	2.8
STANDARD C/AU-S	21	61	41	142	7.6	74	32	1129	4.03	44	21	7	39	52	18.7	18	21	59	.49	.096	41	59	.90	183	.09	34	1.93	.06	.13	11	53.1

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L43+00N 32+25E	2	34	19	113	.1	23	14	663	4.15	10	5	ND	1	34	.2	2	2	69	.31	.103	9	59	.64	74	.15	2	1.80	.03	.08	1	6.5
L43+00N 32+50E	3	44	22	94	.2	32	16	625	4.05	7	5	ND	1	45	.2	2	2	82	.59	.068	10	81	1.06	81	.16	2	2.33	.04	.09	1	12.1
L43+00N 32+75E	7	116	51	205	.9	47	24	1933	3.68	67	5	ND	1	55	3.1	2	2	69	.90	.120	20	47	.56	83	.07	3	2.80	.03	.06	2	4.0
L43+00N 33+00E	8	94	15	172	1.0	40	15	388	5.07	56	5	ND	1	36	1.1	2	2	102	.36	.053	11	68	.63	51	.16	2	3.04	.03	.06	1	2.2
L43+00N 33+25E	3	57	18	141	.8	35	17	489	4.63	10	5	ND	1	50	.6	2	2	97	.53	.063	7	84	.93	99	.21	3	2.59	.04	.09	2	3.9
L43+00N 33+50E	6	48	9	165	1.1	23	12	1048	4.38	6	5	ND	1	25	1.0	2	3	91	.26	.167	8	49	.38	85	.13	3	2.90	.02	.07	1	2.0
L43+00N 33+75E	8	136	40	514	.5	117	22	1379	3.65	196	5	ND	1	82	10.5	2	2	69	1.46	.128	10	62	.46	46	.06	2	1.89	.03	.07	1	38.4
L43+00N 34+00E	14	71	26	563	.6	90	18	1037	3.65	79	5	ND	1	63	7.0	2	2	83	.88	.106	8	61	.55	47	.06	2	1.75	.03	.05	1	2.6
L43+00N 34+25E	9	53	13	280	.6	49	16	604	4.11	11	5	ND	1	48	1.8	2	2	101	.53	.060	6	84	.67	73	.16	2	1.72	.02	.05	1	2.9
L43+00N 34+50E	2	50	10	114	1.2	31	16	546	4.64	8	5	ND	2	51	1.1	2	2	96	.42	.114	6	108	.76	113	.23	2	1.80	.03	.09	1	42.4
L43+00N 34+75E	5	62	14	165	.9	37	16	612	4.29	7	5	ND	1	64	1.7	2	2	88	.65	.058	6	103	.76	114	.20	2	1.82	.03	.08	1	44.7
L43+00N 35+00E	1	78	27	169	1.0	42	19	658	4.63	7	5	ND	1	71	1.5	2	2	90	.85	.148	6	121	1.25	121	.15	2	2.20	.03	.14	1	18.0
L43+00N 35+25E	5	93	16	428	1.2	48	20	959	4.67	51	5	ND	1	60	6.9	2	2	92	.76	.080	15	109	1.14	69	.17	3	2.69	.02	.10	1	8.5
L43+00N 35+50E	4	51	27	219	1.1	34	18	1539	4.10	31	5	ND	1	49	2.2	2	2	81	.61	.121	8	88	.82	143	.14	5	2.01	.02	.08	1	14.3
L43+00N 35+75E	3	39	12	132	2.2	19	14	672	3.55	8	5	ND	1	41	1.2	2	2	73	.35	.080	10	64	.49	90	.18	2	1.72	.02	.07	1	3.2
RE L43+00N 37+00E	4	56	12	73	.6	35	18	614	5.04	15	5	ND	1	50	.2	2	2	94	.44	.071	9	96	.98	78	.19	4	2.17	.02	.11	1	5.6
L43+00N 36+00E	3	37	13	114	1.5	20	11	379	4.38	14	5	ND	1	31	.8	2	2	70	.23	.226	7	68	.55	83	.16	2	2.59	.02	.08	1	1.9
L43+00N 36+25E	2	92	40	174	1.2	48	24	1554	4.67	121	5	ND	1	74	4.2	2	2	90	.83	.115	12	101	1.48	141	.15	2	2.38	.03	.20	1	11.6
L43+00N 36+50E	4	103	20	122	.8	48	25	1075	4.64	273	5	ND	1	75	1.9	2	2	90	.99	.113	13	105	1.33	104	.10	2	2.74	.03	.16	1	22.1
L43+00N 36+75E	6	68	10	92	.3	38	22	743	5.24	68	5	ND	1	57	.6	2	2	99	.69	.083	9	108	1.06	97	.21	4	2.44	.02	.11	1	3.7
L43+00N 37+00E	3	54	9	68	.3	32	18	586	4.89	15	5	ND	1	49	.2	2	2	91	.42	.069	8	96	.94	72	.19	2	2.09	.02	.11	1	7.7
L42+00N 22+00E	5	33	67	159	.2	13	14	4198	4.12	3	5	ND	1	45	1.4	2	2	68	.39	.136	21	25	.29	262	.22	2	2.00	.03	.09	1	1.5
L42+00N 22+25E	6	32	22	95	.4	29	16	4137	4.23	8	5	ND	1	55	.5	2	2	85	.49	.066	39	35	.76	225	.24	2	2.64	.03	.08	2	5.5
L42+00N 22+50E	5	22	25	84	.7	9	13	1079	3.64	7	8	ND	4	28	.6	3	2	62	.28	.100	35	24	.25	114	.23	2	3.59	.02	.07	8	.9
L42+00N 22+75E	2	18	31	111	.1	12	10	1691	3.86	6	5	ND	1	27	.2	2	2	61	.24	.122	12	21	.34	191	.20	3	2.84	.02	.08	2	2.4
L42+00N 23+00E	2	19	23	90	.2	15	10	912	3.67	5	5	ND	3	24	.2	2	2	62	.24	.096	11	26	.48	110	.20	3	3.30	.02	.09	5	11.7
L42+00N 23+25E	2	41	12	74	.1	19	12	537	3.71	4	5	ND	3	26	.2	2	2	70	.23	.119	15	37	.73	75	.17	2	3.07	.02	.11	17	7.4
L42+00N 23+50E	5	24	22	75	.1	15	13	1120	4.00	3	5	ND	1	34	.4	2	2	70	.32	.062	17	28	.51	96	.18	2	2.59	.02	.07	21	5.8
L42+00N 23+75E	5	32	62	136	.6	20	12	1719	3.62	17	5	ND	2	37	2.4	2	2	63	.32	.247	26	31	.58	243	.16	4	3.21	.03	.12	17	3.3
L42+00N 24+00E	5	24	23	102	.3	19	13	593	4.14	7	5	ND	1	41	.4	2	2	63	.40	.122	12	32	.61	140	.14	2	2.67	.02	.09	11	34.2
L42+00N 24+25E	5	19	49	82	.4	13	12	1700	2.76	14	34	ND	1	117	2.2	2	2	47	1.80	.121	33	28	.29	132	.05	2	2.32	.02	.06	4	3.9
L42+00N 24+50E	3	18	27	83	.4	17	11	612	4.70	8	5	ND	2	43	.8	3	2	80	.42	.059	12	32	.45	244	.21	4	1.96	.02	.09	8	2.8
L42+00N 24+75E	3	26	29	132	.1	19	14	1145	4.34	4	5	ND	1	37	.5	2	2	69	.36	.082	11	32	.66	120	.20	2	3.31	.02	.10	4	2.4
L42+00N 25+00E	2	27	106	184	.3	17	17	3601	3.31	8	6	ND	1	63	3.0	2	2	51	.61	.201	17	24	.40	206	.19	3	3.61	.03	.12	5	2.6
L42+00N 25+25E	4	20	36	142	.3	13	10	1637	3.84	8	5	ND	2	20	.6	2	2	53	.17	.209	9	20	.34	137	.21	2	3.49	.02	.09	1	1.6
L42+00N 25+50E	8	51	55	93	.5	20	31	2107	2.53	8	5	ND	1	26	2.9	2	2	38	.23	.135	31	16	.25	138	.10	3	2.74	.02	.08	1	1.1
L42+00N 25+75E	3	22	18	102	.1	15	11	800	4.30	12	5	ND	3	14	.5	2	2	59	.08	.178	14	21	.42	80	.22	2	3.48	.02	.10	1	.7
STANDARD C/AU-S	19	59	41	134	7.4	74	31	1054	4.00	43	19	7	38	52	18.5	14	19	55	.49	.090	38	58	.90	175	.09	34	1.88	.06	.15	11	46.1

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L42+00N 26+00E	2	32	20	65	.3	15	8	287	3.72	6	5	ND	3	16	.7	2	2	64	.11	.093	14	31	.54	49	.13	2	3.51	.01	.07	1	2.2
L42+00N 26+25E	4	20	45	93	.1	16	10	682	3.38	18	5	ND	3	15	.8	2	5	39	.10	.119	14	21	.43	80	.15	3	3.96	.02	.09	1	1.6
L42+00N 26+50E	9	24	36	114	.3	12	8	700	3.41	4	5	ND	3	19	.7	3	2	51	.13	.085	7	16	.27	106	.19	7	3.90	.02	.07	1	.8
L42+00N 26+75E	5	42	36	154	.4	17	19	1372	3.45	7	5	ND	5	26	1.9	2	2	57	.18	.189	17	22	.35	164	.18	2	5.05	.02	.09	1	1.3
L42+00N 27+00E	2	21	26	83	.2	9	6	473	3.88	4	5	ND	2	26	.9	2	2	69	.20	.062	7	17	.29	101	.20	5	2.17	.02	.08	1	1.2
L42+00N 27+25E	1	51	31	89	.8	20	8	311	3.84	6	5	ND	4	17	1.1	2	2	68	.17	.098	8	37	.44	66	.17	2	3.81	.02	.09	1	3.6
L42+00N 27+50E	1	47	25	61	.6	17	7	247	4.07	10	5	ND	4	11	.7	2	2	66	.11	.082	8	33	.37	52	.19	2	3.69	.02	.08	1	4.1
RE L42+00N 28+50E	1	47	17	65	.6	21	8	244	3.43	3	5	ND	3	22	.7	2	2	64	.17	.082	5	45	.50	52	.21	2	3.78	.02	.06	1	1.4
L42+00N 27+75E	1	130	16	125	.8	51	23	504	5.40	13	5	ND	3	15	.8	2	2	114	.23	.071	6	93	1.31	67	.19	6	4.17	.03	.21	1	1.7
L42+00N 28+00E	1	83	12	145	.4	74	33	963	3.68	2	5	ND	1	26	.5	2	2	64	.76	.037	2	92	1.30	42	.15	4	2.15	.04	.11	1	1.7
L42+00N 28+25E	2	64	20	96	.5	47	13	303	4.50	6	5	ND	1	14	.6	2	2	84	.17	.093	5	93	.70	63	.22	4	3.31	.03	.08	1	.6
L42+00N 28+50E	1	45	23	66	.5	22	8	249	3.46	2	5	ND	2	22	.7	2	2	63	.18	.077	5	46	.53	52	.21	5	3.73	.02	.07	1	1.4
L42+00N 28+75E	1	122	13	103	.8	52	20	432	4.43	2	5	ND	5	18	.9	2	2	89	.19	.085	9	49	.81	72	.20	8	4.00	.02	.11	1	4.8
L42+00N 29+00E	2	81	17	77	.4	29	11	416	3.77	6	5	ND	2	25	.5	2	2	76	.24	.086	9	54	.65	56	.16	2	2.91	.02	.09	1	23.2
L42+00N 29+25E	15	84	23	80	.3	32	11	370	4.70	9	5	ND	2	20	.4	2	2	78	.24	.051	6	41	.31	63	.19	2	2.06	.02	.07	9	2.9
L42+00N 29+50E	14	111	23	65	.6	22	8	221	4.40	6	5	ND	4	22	.6	2	2	84	.22	.081	9	48	.56	47	.20	2	2.92	.02	.10	4	11.0
L42+00N 29+75E	2	149	22	102	.6	44	27	1326	6.56	18	5	ND	2	20	.5	2	2	135	.26	.106	5	43	.88	80	.20	2	2.36	.02	.09	1	2.1
L42+00N 30+00E	2	59	20	55	.2	18	8	231	5.05	9	5	ND	4	19	.5	2	2	96	.14	.080	8	41	.54	43	.25	4	3.95	.02	.08	1	1.2
L42+00N 30+25E	1	131	14	81	.9	23	13	331	5.29	11	5	ND	4	14	.7	3	2	109	.13	.080	6	49	.62	55	.19	2	2.99	.02	.05	2	5.2
L42+00N 30+50E	4	51	19	66	.9	19	8	264	4.51	21	5	ND	4	22	.8	7	2	86	.18	.147	10	41	.53	54	.19	3	3.23	.02	.08	6	35.9
L42+00N 30+75E	1	46	18	76	.4	22	9	298	3.73	5	5	ND	2	26	.5	2	2	69	.21	.121	10	47	.66	55	.15	2	3.36	.02	.08	1	8.1
L42+00N 31+00E	2	48	41	71	.4	19	9	444	4.17	16	5	ND	2	22	.9	2	2	66	.12	.180	14	39	.58	58	.14	3	4.31	.02	.10	1	3.3
L42+00N 31+25E	2	43	26	72	.2	18	8	254	4.50	10	5	ND	3	19	.4	4	2	77	.12	.091	10	36	.58	57	.18	2	3.26	.02	.11	1	7.9
L42+00N 31+50E	4	97	13	72	.6	27	8	216	3.90	6	5	ND	3	17	.9	3	2	89	.12	.070	11	52	.55	43	.14	3	4.18	.01	.06	6	3.5
L42+00N 31+75E	5	81	25	134	.5	32	13	664	3.62	7	5	ND	1	37	1.2	2	2	85	.32	.064	10	59	.78	68	.10	2	2.65	.02	.08	2	5.5
L42+00N 32+00E	4	59	44	149	.3	30	16	1148	3.73	8	5	ND	1	36	1.3	2	2	73	.33	.072	8	59	.78	79	.11	2	2.39	.02	.10	3	4.8
L42+00N 32+25E	8	61	17	165	.3	40	12	386	4.17	21	5	ND	1	23	.5	2	2	87	.22	.069	9	45	.53	57	.12	2	3.92	.02	.04	1	3.6
L42+00N 32+50E	6	137	16	103	.6	21	6	158	4.65	5	5	ND	4	16	1.1	4	2	92	.13	.057	6	45	.30	42	.16	2	4.78	.02	.03	1	3.9
L42+00N 32+75E	8	48	17	139	.4	26	5	139	3.86	9	5	ND	2	16	1.4	3	2	71	.13	.048	5	33	.21	43	.13	4	4.79	.02	.03	1	3.0
L42+00N 33+00E	4	35	23	110	1.1	18	5	309	3.67	9	5	ND	3	17	1.2	6	2	78	.10	.088	4	40	.28	56	.16	2	3.27	.02	.05	1	3.6
L42+00N 33+25E	9	47	22	209	.8	38	9	386	5.03	10	5	ND	4	23	1.3	2	5	121	.15	.091	6	48	.37	58	.15	2	4.32	.02	.05	1	8.0
L42+00N 33+50E	3	26	22	89	.6	13	4	182	3.11	4	5	ND	3	10	1.3	4	2	57	.07	.077	6	23	.12	46	.16	2	4.97	.02	.04	1	1.7
L42+00N 33+75E	2	41	35	130	.5	21	10	1294	3.49	12	5	ND	1	34	1.1	4	2	69	.26	.105	6	52	.54	85	.11	2	2.25	.02	.09	1	4.6
L42+00N 34+00E	1	57	18	96	.4	30	13	601	4.17	12	5	ND	1	47	1.0	2	2	86	.40	.121	5	87	.89	53	.16	5	2.44	.02	.10	1	13.6
L42+00N 34+25E	1	67	12	76	.4	35	15	373	4.30	13	5	ND	1	47	1.0	2	2	93	.36	.061	7	97	1.01	55	.19	4	2.54	.02	.09	1	24.1
L42+00N 34+50E	2	53	32	90	.3	25	10	520	3.99	10	5	ND	1	37	1.5	4	2	79	.28	.096	6	69	.62	76	.16	3	3.03	.02	.08	1	25.6
L42+00N 34+75E	1	47	29	58	.2	28	11	268	3.95	16	5	ND	1	45	1.7	3	3	77	.32	.072	5	86	.78	55	.15	2	1.86	.02	.08	1	15.7
STANDARD C/AU-S	19	63	43	131	7.0	72	33	1039	3.93	41	18	8	39	53	17.9	16	17	57	.47	.087	39	58	.87	178	.08	34	1.92	.07	.16	13	46.3

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L42+00N 35+00E	2	25	13	52	.3	8	5	159	3.49	5	5	ND	2	23	.2	2	2	69	.11	.107	8	22	.19	59	.15	2	1.88	.02	.05	2	7.1
L42+00N 35+25E	2	33	17	97	.2	17	9	615	3.97	14	5	ND	2	30	.7	2	2	83	.20	.188	7	44	.38	75	.18	2	3.64	.02	.06	2	6.5
L42+00N 35+50E	6	40	21	126	1.1	18	9	376	5.04	80	5	ND	1	25	.4	2	2	118	.17	.107	8	45	.34	59	.17	2	3.44	.02	.05	6	11.6
L42+00N 35+75E	4	64	46	196	1.8	28	15	648	4.46	51	5	ND	1	33	1.4	2	2	93	.24	.136	8	58	.48	52	.14	2	3.46	.02	.06	3	5.7
L42+00N 36+00E	5	40	28	144	2.1	21	11	546	4.60	171	5	ND	2	31	1.2	2	2	96	.20	.119	8	38	.37	74	.14	2	2.54	.02	.06	2	3.3
L42+00N 36+25E	7	95	16	140	.8	30	19	872	5.15	97	7	ND	1	41	.8	2	2	74	.17	.164	8	31	.34	68	.12	3	4.62	.02	.06	1	4.9
L42+00N 36+50E	6	210	30	144	.8	37	22	758	5.30	119	5	ND	1	51	1.8	4	2	69	.42	.222	8	33	.30	98	.06	2	2.96	.02	.05	3	8.3
L42+00N 36+75E	5	89	14	70	.7	19	8	195	4.43	89	5	ND	1	33	.4	2	2	82	.18	.106	8	41	.35	41	.11	3	3.48	.02	.05	2	5.7
L42+00N 37+00E	5	58	12	77	.4	16	8	170	4.56	185	5	ND	1	21	1.3	2	2	71	.12	.150	9	40	.28	50	.16	3	4.05	.02	.05	4	5.8
L41+00N 22+00E	6	23	17	74	.4	14	13	1076	3.51	10	5	ND	1	50	.8	2	2	63	.50	.073	20	30	.43	95	.15	3	2.11	.02	.06	3	3.2
L41+00N 22+25E	5	26	18	77	.3	18	13	920	3.65	2	5	ND	1	57	.9	2	2	68	.49	.078	36	35	.61	86	.14	2	2.31	.02	.07	2	4.6
L41+00N 22+50E	4	35	34	87	.1	22	16	1451	3.90	3	5	ND	1	59	1.0	2	2	77	.54	.053	42	40	.76	158	.21	2	2.51	.02	.08	3	4.9
L41+00N 22+75E	3	32	25	78	.1	19	14	771	4.17	2	5	ND	2	54	.3	2	2	78	.50	.040	33	42	.80	111	.24	2	2.25	.02	.09	10	5.7
L41+00N 23+00E	3	27	12	77	.1	17	12	744	4.26	3	5	ND	1	43	.6	2	2	72	.39	.051	38	40	.62	121	.20	2	2.30	.02	.08	23	13.5
L41+00N 23+25E	5	21	49	81	.1	15	12	830	4.17	13	5	ND	1	40	.7	2	2	74	.37	.049	23	30	.49	110	.19	3	1.97	.02	.07	20	11.0
L41+00N 23+50E	4	31	38	123	.1	21	14	1589	3.93	5	6	ND	1	51	.9	2	2	68	.47	.083	17	36	.72	156	.18	2	2.80	.02	.08	13	14.2
L41+00N 23+75E	4	19	24	108	.1	16	11	1107	4.18	4	7	ND	3	27	.5	2	2	69	.25	.069	9	32	.50	143	.23	2	2.64	.02	.08	7	5.8
L41+00N 24+00E	3	41	13	71	.1	20	18	1073	3.34	2	5	ND	1	53	1.1	2	2	63	.54	.086	32	39	.59	126	.11	2	2.95	.02	.06	3	4.1
L41+00N 24+25E	3	33	50	96	.1	24	14	1019	3.72	6	5	ND	1	83	1.3	2	2	61	.88	.114	26	38	.57	172	.14	2	2.68	.02	.07	4	5.9
L41+00N 24+50E	3	16	19	68	.3	14	9	314	3.24	4	5	ND	1	52	.6	2	2	58	.58	.046	17	31	.44	134	.14	3	1.83	.02	.05	6	1.7
L41+00N 24+75E	5	24	31	79	.1	14	13	1157	3.24	2	8	ND	1	40	1.0	2	2	62	.45	.049	21	32	.51	115	.19	2	2.93	.03	.07	5	3.0
L41+00N 25+00E	4	22	34	79	.3	15	14	954	3.32	5	5	ND	1	38	1.1	2	2	51	.39	.068	25	23	.38	123	.16	4	3.32	.02	.06	4	2.5
L41+00N 25+25E	3	27	19	84	.1	14	9	583	3.50	6	5	ND	3	20	.3	2	2	57	.18	.113	9	28	.38	85	.21	2	4.07	.02	.07	3	5.0
L41+00N 25+50E	2	35	24	97	.1	24	13	399	4.58	7	5	ND	3	25	.8	2	2	85	.32	.096	12	65	.67	81	.22	2	3.33	.03	.10	3	3.4
L41+00N 25+75E	2	42	22	121	.1	24	13	474	4.32	14	5	ND	5	19	.6	4	2	69	.16	.165	10	43	.65	78	.23	2	4.85	.02	.11	2	2.6
L41+00N 26+00E	1	34	46	162	.2	21	17	3475	3.50	6	5	ND	2	26	1.4	2	2	54	.19	.143	10	27	.41	206	.20	2	3.48	.02	.12	1	3.3
RE L41+00N 25+75E	2	40	23	118	.4	22	14	510	4.17	13	5	ND	5	18	.7	5	2	67	.15	.161	10	42	.63	75	.22	3	4.69	.02	.11	3	2.4
L41+00N 26+25E	2	65	16	113	.2	25	13	447	3.68	4	5	ND	3	16	.2	2	2	63	.22	.211	8	48	.61	71	.21	2	5.04	.03	.12	2	18.0
L41+00N 26+50E	10	17	12	98	.1	12	10	766	4.11	5	5	ND	2	32	.2	2	2	70	.26	.064	11	30	.59	112	.22	2	2.64	.02	.09	2	3.1
L41+00N 26+75E	2	38	24	81	.1	30	11	329	4.85	7	5	ND	3	18	.3	2	2	98	.28	.089	7	145	.56	55	.24	2	2.12	.03	.12	1	1.9
L41+00N 27+00E	2	53	27	96	.1	23	13	852	4.83	8	5	ND	1	17	.2	2	2	91	.22	.115	8	53	.56	68	.23	2	2.43	.03	.13	1	2.9
L41+00N 27+25E	1	54	8	122	.1	34	19	1526	4.45	5	5	ND	1	25	.2	2	2	89	.36	.077	7	96	.80	106	.23	4	2.19	.04	.13	2	7.7
L41+00N 27+50E	4	134	18	126	.4	45	25	777	4.65	17	5	ND	1	28	.8	3	3	97	.64	.081	7	111	1.17	55	.19	3	3.30	.05	.17	3	5.6
L41+00N 27+75E	1	95	19	196	.3	51	27	774	4.40	10	5	ND	1	23	.7	2	3	69	.70	.131	6	116	1.02	117	.23	2	3.63	.04	.11	3	6.3
L41+00N 28+00E	1	73	11	127	.4	56	20	704	4.10	14	5	ND	3	22	.4	2	2	74	.41	.183	8	114	1.00	79	.20	2	3.58	.03	.12	2	3.1
L41+00N 28+25E	2	98	13	128	2.5	82	24	716	4.35	8	5	ND	1	21	.4	2	2	84	.32	.125	7	142	1.10	82	.22	2	3.72	.04	.13	1	1.3
L41+00N 28+50E	1	89	9	116	.3	104	27	1202	5.44	13	5	ND	1	20	.8	5	2	116	.44	.136	5	275	1.09	99	.24	2	2.54	.05	.13	2	2.0
STANDARD C/AU-S	20	58	37	134	7.4	71	32	1062	4.01	43	22	7	37	51	18.9	15	21	56	.49	.091	38	59	.91	176	.09	35	1.89	.06	.15	12	45.8

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L41+00N 28+75E	2	120	25	119	.5	36	19	832	4.06	20	5	ND	3	22	.2	2	2	76	.26	.165	8	43	.62	95	.28	2	4.07	.03	.13	1	6.3
L41+00N 29+00E	4	146	15	93	.8	26	11	344	3.68	14	5	ND	3	32	.2	2	3	62	.38	.136	9	54	.62	71	.25	2	3.21	.03	.08	14	21.3
L41+00N 29+25E	5	152	12	193	.6	46	33	781	3.57	34	5	ND	1	33	.2	2	3	62	.46	.150	14	58	.62	71	.18	2	4.18	.02	.08	1	10.1
L41+00N 29+50E	2	461	14	153	.5	78	37	912	6.68	7	5	ND	2	29	.6	2	3	119	.49	.106	9	66	1.16	45	.26	4	3.22	.03	.08	1	7.4
L41+00N 29+75E	3	243	15	126	.7	38	18	640	4.75	41	5	ND	1	28	.2	2	4	81	.30	.143	8	54	.72	67	.24	2	3.41	.02	.09	1	3.0
L41+00N 30+00E	6	77	17	95	.4	24	11	447	4.07	11	5	ND	1	30	.6	2	3	73	.32	.116	10	44	.65	77	.24	2	2.66	.03	.09	1	2.8
L41+00N 30+25E	3	155	25	97	.6	27	15	685	5.07	8	5	ND	2	35	.3	2	2	89	.37	.178	10	63	.75	80	.24	2	3.18	.03	.11	1	4.9
L41+00N 30+50E	5	129	98	126	2.6	29	21	1568	2.93	30	5	ND	1	42	1.8	2	2	59	.27	.146	13	35	.40	126	.14	2	2.68	.02	.09	1	4.7
L41+00N 30+75E	2	73	27	125	.8	18	9	661	4.24	8	5	ND	1	22	.3	2	2	61	.16	.229	9	31	.48	75	.13	2	3.31	.02	.10	1	2.8
L41+00N 31+00E	1	41	55	85	.2	19	9	685	3.26	10	5	ND	1	36	.8	2	2	61	.28	.095	9	49	.58	82	.22	2	2.23	.02	.10	1	3.2
L41+00N 31+25E	6	30	25	80	.7	12	3	242	3.49	12	5	ND	2	13	.6	2	2	100	.13	.143	8	34	.15	63	.25	2	2.58	.02	.05	1	10.7
L41+00N 31+50E	10	57	29	390	.5	49	12	770	4.86	18	5	ND	1	25	1.2	2	3	112	.25	.165	8	41	.34	123	.22	2	3.33	.02	.07	1	14.3
L41+00N 31+75E	11	65	49	1233	.6	110	22	2810	4.02	40	5	ND	1	61	17.2	2	2	63	1.19	.253	14	40	.50	136	.07	4	2.90	.02	.08	3	4.4
L41+00N 32+00E	8	40	25	391	.4	34	15	983	4.00	28	5	ND	1	34	1.8	2	2	68	.40	.070	10	57	.62	84	.25	2	2.90	.03	.08	1	4.1
L41+00N 32+25E	8	52	14	293	.5	38	13	780	4.06	17	5	ND	1	28	1.5	2	2	71	.37	.141	8	41	.44	93	.21	2	4.49	.02	.05	1	1.5
L41+00N 32+50E	10	59	22	159	.4	35	11	603	4.23	11	5	ND	1	34	1.3	2	3	87	.48	.076	10	47	.50	73	.20	2	3.01	.02	.05	1	2.4
L41+00N 32+75E	9	81	11	192	.6	40	15	410	4.57	6	5	ND	1	29	1.3	2	3	112	.34	.057	10	53	.49	100	.23	2	3.54	.02	.05	1	2.3
L41+00N 33+00E	15	54	12	306	.6	55	12	301	5.30	17	5	ND	1	30	1.7	2	2	102	.37	.113	6	47	.43	57	.15	2	3.79	.02	.03	1	4.2
L41+00N 33+25E	13	46	12	255	.6	48	9	369	4.73	13	5	ND	1	24	1.4	2	2	102	.24	.118	6	40	.31	59	.21	2	2.80	.02	.04	1	2.0
L41+00N 33+50E	6	36	30	183	.6	33	7	306	3.79	7	5	ND	1	35	1.3	2	2	80	.30	.050	8	50	.43	64	.27	2	2.23	.02	.06	1	2.8
L41+00N 33+75E	6	62	15	196	.4	41	8	210	4.13	6	5	ND	1	37	.9	2	3	78	.30	.069	9	62	.59	62	.28	2	2.62	.03	.05	1	4.4
L41+00N 34+00E	3	40	15	87	.4	23	9	338	4.76	8	5	ND	2	36	.3	2	3	90	.27	.088	9	71	.58	56	.33	2	2.49	.02	.07	1	5.8
L41+00N 34+25E	3	43	19	86	.5	21	8	306	4.43	91	5	ND	2	22	.2	2	3	75	.17	.164	7	59	.47	48	.25	2	3.93	.02	.07	1	2.7
L41+00N 34+50E	3	50	12	188	.5	32	12	333	4.43	13	5	ND	1	44	.4	2	2	92	.33	.074	7	82	.72	62	.28	2	3.27	.03	.09	1	5.5
L41+00N 34+75E	3	43	18	166	1.6	26	10	472	4.62	21	5	ND	3	31	.3	2	3	81	.22	.150	6	65	.56	88	.28	2	4.62	.02	.07	1	3.7
L41+00N 35+00E	2	82	14	127	.3	45	15	433	4.97	13	5	ND	2	43	.2	2	2	92	.31	.126	7	99	1.09	58	.28	2	3.93	.02	.10	1	4.9
L41+00N 35+25E	2	25	18	32	.3	8	3	195	2.21	7	5	ND	2	9	.2	2	3	36	.06	.248	8	15	.11	24	.24	2	6.14	.03	.03	1	1.0
L41+00N 35+50E	2	55	16	81	.2	31	12	403	4.81	9	5	ND	3	40	.2	2	3	88	.29	.139	10	78	.86	60	.27	2	3.58	.02	.11	1	17.6
L41+00N 35+75E	2	46	19	125	.7	28	17	902	4.43	41	5	ND	1	51	.2	2	2	81	.30	.237	9	68	.73	72	.23	2	3.82	.02	.08	1	25.4
L41+00N 36+00E	1	48	14	72	.2	28	11	441	4.39	12	5	ND	1	39	.2	2	2	81	.27	.166	8	73	.77	52	.23	2	2.86	.02	.10	1	3.7
L41+00N 36+25E	1	40	30	87	.5	24	9	366	4.52	19	5	ND	2	30	.2	2	2	79	.22	.180	9	56	.67	72	.24	2	3.46	.02	.10	1	7.0
L41+00N 36+50E	2	43	11	77	.4	27	12	379	4.75	48	5	ND	3	37	.2	2	2	87	.30	.092	10	75	.78	50	.27	2	3.60	.02	.09	1	4.6
RE L41+00N 35+50E	2	55	17	82	.2	31	12	402	4.87	10	5	ND	2	41	.2	2	2	89	.29	.138	10	78	.87	61	.27	2	3.59	.02	.11	1	10.6
L41+00N 36+75E	1	72	12	84	.3	39	16	454	4.72	27	5	ND	4	46	.2	2	2	91	.38	.108	12	88	1.21	71	.30	2	3.72	.02	.14	1	5.1
L41+00N 37+00E	2	61	14	100	.4	34	14	419	4.53	103	5	ND	3	29	.2	2	2	78	.24	.182	10	64	.96	75	.26	2	4.64	.02	.12	1	4.3
L40+00N 22+00E	2	30	10	64	.2	23	9	379	4.46	6	5	ND	6	26	.2	2	2	89	.28	.167	18	40	.73	65	.23	2	4.59	.02	.08	1	22.1
L40+00N 22+25E	1	11	21	31	.2	6	2	311	1.91	3	5	ND	1	19	.2	2	3	50	.16	.035	8	21	.14	56	.23	2	1.24	.02	.05	1	3.0
STANDARD C/AU-S	20	63	40	136	7.3	72	32	1137	3.92	43	19	8	39	52	18.7	16	19	58	.50	.099	39	60	.90	183	.10	32	1.87	.06	.16	13	46.6

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L40+00N 22+50E	1	40	20	61	.2	25	8	529	4.41	6	5	ND	4	20	.2	2	2	81	.27	.087	9	62	.49	83	.20	3	2.87	.03	.08	2	7.4
RE L40+00N 23+75E	9	17	11	68	.2	15	7	443	4.18	5	5	ND	4	35	.2	2	2	74	.41	.059	9	33	.42	106	.21	3	2.34	.02	.06	1	3.0
L40+00N 22+75E	2	28	14	72	.5	20	9	463	4.43	8	5	ND	3	20	.2	2	2	80	.25	.078	10	42	.45	71	.23	3	2.44	.02	.08	3	1.5
L40+00N 23+00E	1	19	13	62	.5	17	8	469	3.74	4	5	ND	3	24	.2	2	2	71	.30	.073	9	40	.46	74	.19	3	1.65	.02	.09	1	10.0
L40+00N 23+25E	3	27	12	104	.2	22	13	997	4.18	8	7	ND	3	35	.5	2	2	81	.54	.085	15	40	.60	103	.17	4	2.47	.03	.10	1	5.6
L40+00N 23+50E	10	29	13	73	.3	18	12	1157	3.42	3	5	ND	1	42	.2	2	2	67	.55	.062	20	34	.52	77	.14	3	2.62	.03	.07	1	4.3
L40+00N 23+75E	10	21	14	71	.1	16	8	487	4.44	8	5	ND	3	38	.2	2	2	80	.44	.058	11	34	.45	115	.22	4	2.51	.03	.08	1	3.3
L40+00N 24+00E	5	21	12	46	.2	11	4	130	3.68	3	5	ND	5	19	.2	2	2	62	.18	.035	7	23	.20	101	.22	2	4.52	.02	.05	1	2.1
L40+00N 24+25E	9	33	11	63	.3	18	11	535	4.36	2	7	ND	2	45	.3	2	2	70	.54	.049	20	43	.52	87	.18	4	2.75	.03	.09	1	2.3
L40+00N 24+50E	7	43	25	68	.5	21	13	1177	2.95	6	8	ND	2	50	1.2	2	2	58	.66	.099	26	47	.59	86	.09	5	2.41	.03	.08	5	4.9
L40+00N 24+75E	9	42	17	69	.4	21	13	714	3.62	6	9	ND	2	42	.4	2	2	66	.54	.061	21	48	.60	88	.17	3	2.31	.03	.08	2	3.5
L40+00N 25+00E	6	62	18	69	.4	29	17	861	3.81	5	7	ND	2	32	.3	2	2	69	.43	.071	20	64	.66	78	.15	3	2.82	.03	.08	2	3.2
L40+00N 25+25E	14	85	25	82	.6	36	21	1004	4.09	7	10	ND	2	35	.8	2	2	80	.45	.109	18	76	.74	115	.18	3	2.98	.03	.09	2	10.2
L40+00N 25+50E	13	89	9	85	.2	40	19	630	4.35	6	7	ND	2	46	.3	2	2	89	.64	.083	17	103	.92	85	.19	3	2.93	.05	.15	3	4.4
L40+00N 25+75E	17	79	33	108	.4	31	19	1902	3.89	9	24	ND	1	69	1.3	2	2	73	.93	.105	22	78	.75	107	.12	3	2.82	.03	.11	1	.5
L40+00N 26+00E	10	59	15	130	.1	31	18	1430	4.75	6	6	ND	2	39	.4	2	2	81	.52	.104	12	77	.92	194	.18	3	2.91	.03	.12	1	6.7
L40+00N 26+25E	5	56	8	110	.2	38	19	1183	4.41	3	5	ND	2	30	.2	2	2	80	.43	.057	11	85	.85	149	.21	4	3.21	.03	.13	1	3.1
L40+00N 26+50E	1	88	7	131	.1	55	22	836	5.01	7	5	ND	3	24	.2	2	2	98	.51	.147	6	136	1.19	92	.22	2	3.04	.04	.15	1	3.1
L40+00N 26+75E	1	88	7	109	.1	54	21	546	4.63	7	5	ND	3	23	.2	2	2	93	.45	.154	7	133	1.09	71	.21	3	3.51	.04	.15	1	3.6
L40+00N 27+00E	1	110	8	121	.6	61	24	803	4.52	4	5	ND	4	42	.2	2	2	99	.81	.074	10	146	1.24	79	.23	2	2.92	.05	.16	1	5.6
L40+00N 27+25E	1	139	13	138	.1	123	35	964	5.92	5	5	ND	3	32	1.1	2	2	119	.89	.097	5	278	2.22	158	.25	2	3.60	.08	.31	1	4.7
L40+00N 27+50E	1	115	7	123	.3	71	28	808	5.49	5	5	ND	3	25	.3	2	2	112	.57	.112	7	231	1.37	104	.24	3	3.50	.06	.18	1	6.4
L40+00N 27+75E	1	164	2	131	.3	129	39	728	5.78	4	5	ND	3	27	.4	2	2	123	.62	.103	5	310	2.08	124	.25	3	4.27	.06	.26	1	3.1
L40+00N 28+00E	1	113	7	113	.1	93	24	615	4.62	7	5	ND	3	20	.4	2	2	92	.42	.132	7	199	1.10	84	.21	4	3.35	.04	.15	1	3.7
L40+00N 28+25E	4	77	10	114	.1	62	21	851	4.05	7	5	ND	3	31	.2	2	2	81	.47	.099	11	106	.99	67	.21	2	3.05	.03	.11	1	3.8
L40+00N 28+50E	9	126	37	123	.5	50	19	1615	2.98	29	5	ND	1	65	2.1	2	2	61	1.48	.103	22	84	.67	75	.12	4	3.31	.04	.10	1	2.4
L40+00N 28+75E	2	112	11	109	.1	30	36	979	3.85	11	5	ND	2	22	.8	2	2	60	.34	.157	10	30	.43	91	.18	2	3.17	.03	.08	1	5.8
L40+00N 29+00E	2	220	7	98	.2	71	33	525	4.99	5	5	ND	3	26	.6	2	2	96	.45	.060	10	62	.74	53	.25	3	3.25	.04	.10	2	1.4
L40+00N 29+25E	2	187	6	154	.1	54	38	1294	6.49	7	5	ND	2	19	.2	2	2	158	.36	.090	6	63	.99	101	.28	2	2.56	.02	.07	1	1.3
L40+00N 29+50E	2	175	16	129	.4	71	32	1564	5.01	14	5	ND	2	34	1.0	2	2	110	.77	.092	13	53	.91	86	.16	2	2.74	.03	.10	1	3.4
L40+00N 29+75E	4	73	9	101	.4	28	18	944	3.55	7	5	ND	1	32	.6	2	2	72	.46	.064	14	46	.71	76	.18	3	2.77	.03	.08	1	2.4
L40+00N 30+00E	1	59	10	110	.1	28	15	490	3.80	10	5	ND	3	32	.2	2	2	75	.39	.113	10	57	.78	81	.20	2	2.91	.03	.08	1	3.6
L40+00N 30+25E	5	72	27	267	.2	41	17	1137	3.59	34	5	ND	1	47	2.4	2	2	72	.64	.099	16	55	.79	73	.14	2	2.66	.03	.09	1	5.7
L40+00N 30+50E	1	46	18	136	.1	21	11	677	3.82	18	5	ND	2	30	.8	3	2	68	.32	.087	9	52	.60	67	.18	3	2.74	.02	.10	1	18.1
L40+00N 30+75E	3	61	39	112	.2	20	13	554	4.03	22	5	ND	3	19	.7	2	2	63	.14	.198	12	34	.45	74	.20	3	3.63	.02	.09	1	49.7
L40+00N 31+00E	12	86	13	337	.2	70	18	711	6.07	29	5	ND	2	43	1.1	4	2	79	.43	.140	7	62	.41	58	.14	4	4.32	.05	.05	1	5.2
L40+00N 31+25E	10	87	17	416	.3	61	15	1045	6.08	31	5	ND	2	31	1.2	5	2	83	.29	.192	7	40	.36	170	.13	3	3.55	.02	.06	9	10.8
STANDARD C/AU-S	19	61	36	132	7.1	69	33	1060	3.92	40	23	7	41	51	18.6	17	19	57	.48	.084	40	57	.85	172	.09	32	1.86	.06	.15	13	50.9

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L40+00N 31+50E	2	46	39	152	.3	29	15	1264	3.54	12	5	ND	1	37	2.0	2	4	62	.28	.125	8	65	.60	95	.10	2	2.20	.02	.07	1	12.5
L40+00N 31+75E	1	49	112	124	.4	24	16	1224	3.01	41	5	ND	1	28	2.6	2	2	50	.20	.150	10	48	.59	74	.08	2	2.44	.02	.10	1	7.6
L40+00N 32+00E	2	53	59	192	.8	31	15	2080	4.23	11	5	ND	1	40	2.1	2	2	79	.34	.108	7	70	.62	120	.13	4	2.29	.03	.10	1	8.7
L40+00N 32+25E	3	61	13	289	.7	38	12	360	4.02	12	5	ND	2	23	1.4	2	2	73	.20	.107	8	58	.66	60	.17	2	4.74	.02	.07	2	3.6
L40+00N 32+50E	2	56	16	245	.4	35	17	775	4.33	17	6	ND	1	31	2.1	2	2	79	.33	.069	9	80	.83	72	.16	2	2.69	.02	.06	1	2.4
L40+00N 32+75E	5	82	12	295	.8	42	26	2200	4.32	9	5	ND	1	39	2.1	2	2	81	.44	.086	10	72	.81	109	.12	2	3.06	.02	.07	1	4.0
RE L40+00N 34+00E	6	255	9	389	1.3	53	77	1209	4.34	10	5	ND	1	25	2.7	2	2	77	.22	.127	21	56	.44	86	.12	2	4.55	.02	.05	1	5.6
L40+00N 33+00E	7	98	7	447	.8	61	23	744	4.42	12	5	ND	1	38	2.9	2	2	74	.43	.137	9	71	.65	99	.11	2	4.22	.02	.06	1	6.4
L40+00N 33+25E	5	92	29	449	.7	58	22	1524	3.95	9	5	ND	1	50	8.1	2	2	74	.55	.093	13	63	.69	117	.11	2	2.58	.03	.05	1	3.5
L40+00N 33+50E	2	64	26	168	.7	35	16	805	3.18	7	5	ND	1	61	2.8	2	2	69	.59	.092	11	75	.81	99	.09	2	2.08	.03	.06	1	5.2
L40+00N 33+75E	4	105	12	229	.7	45	29	670	3.78	9	5	ND	1	30	3.7	2	3	68	.27	.109	11	55	.36	103	.10	2	4.02	.02	.04	1	5.5
L40+00N 34+00E	6	257	12	386	1.4	51	78	1198	4.26	8	5	ND	1	25	2.4	2	2	72	.21	.126	21	51	.42	86	.12	2	4.63	.02	.05	1	8.5
L40+00N 34+25E	5	74	30	412	.7	47	44	2608	4.60	43	5	ND	1	64	5.7	2	2	75	.66	.106	10	57	.63	120	.10	2	2.98	.03	.06	1	2.6
L40+00N 34+50E	13	164	28	417	1.1	80	25	464	7.26	35	5	ND	4	32	2.8	2	2	76	.23	.211	10	43	.42	52	.12	2	8.65	.01	.07	1	6.7
L40+00N 34+75E	1	53	13	283	.9	38	17	1720	4.65	25	5	ND	1	40	.9	2	2	84	.30	.110	5	65	.68	129	.16	2	3.59	.02	.07	1	4.8
L40+00N 35+00E	1	41	38	98	.6	24	11	1011	5.05	19	5	ND	2	27	.8	2	2	91	.16	.081	6	56	.65	73	.17	2	2.48	.02	.08	1	4.0
L40+00N 35+25E	1	47	21	78	.6	26	11	270	4.44	9	5	ND	3	29	.7	2	2	90	.18	.082	8	64	.70	67	.21	2	2.83	.02	.07	1	12.2
L40+00N 35+50E	1	51	19	95	.4	18	16	2102	3.43	130	5	ND	1	28	.8	2	3	54	.20	.116	8	32	.45	75	.10	2	2.77	.02	.08	1	89.4
L40+00N 35+75E	1	52	26	101	.4	22	13	967	3.45	139	5	ND	1	24	.8	2	2	52	.17	.179	12	38	.60	75	.06	3	3.41	.02	.10	1	56.7
L40+00N 36+00E	1	50	16	87	.5	31	17	784	4.15	252	5	ND	1	51	.4	2	2	75	.64	.060	11	62	.82	100	.14	2	3.19	.02	.08	1	32.2
L40+00N 36+25E	1	75	20	101	.5	44	21	900	5.01	22	5	ND	1	50	.7	2	2	96	.48	.084	9	96	1.27	148	.17	2	3.15	.02	.12	1	8.8
L40+00N 36+50E	1	57	22	125	.4	35	20	1382	4.28	66	5	ND	1	45	1.0	2	2	80	.49	.072	14	79	.91	95	.15	2	3.12	.02	.08	1	8.7
L40+00N 36+75E	1	48	19	123	.7	29	15	1040	4.66	19	5	ND	1	35	.8	2	2	86	.25	.128	8	72	.79	91	.19	2	2.72	.02	.08	1	4.6
L40+00N 37+00E	1	57	11	141	.7	30	13	398	4.11	15	5	ND	5	27	.8	2	2	82	.14	.104	8	59	.78	56	.20	2	3.83	.02	.08	1	20.9
L39+00N 22+00E	1	25	30	59	.3	15	8	461	4.14	10	8	ND	1	24	.3	2	2	85	.15	.062	7	30	.45	68	.20	2	1.96	.02	.07	1	4.0
L39+00N 22+25E	1	27	10	53	.4	18	9	390	3.81	5	7	ND	2	26	.2	2	2	79	.23	.106	11	31	.61	52	.14	2	2.62	.02	.06	2	11.7
L39+00N 22+50E	3	28	19	52	.4	15	11	329	3.70	6	5	ND	3	19	.2	2	2	74	.16	.045	15	29	.38	55	.19	2	2.91	.02	.06	3	7.4
L39+00N 22+75E	2	26	42	75	.4	16	7	626	3.18	6	5	ND	1	22	.4	2	2	62	.20	.065	10	31	.23	115	.18	2	1.92	.03	.06	1	4.3
L39+00N 23+00E	1	26	27	67	.5	19	9	804	3.13	5	5	ND	1	27	.2	2	2	76	.28	.040	7	50	.32	104	.19	2	1.25	.03	.07	1	4.5
L39+00N 23+25E	2	39	19	121	.4	21	12	1311	3.82	7	5	ND	1	33	.5	2	2	73	.30	.033	12	37	.48	153	.18	2	1.70	.03	.06	2	5.8
L39+00N 23+50E	1	45	28	101	.4	26	15	1272	3.04	7	5	ND	1	42	.6	2	2	59	.48	.069	14	44	.52	250	.10	2	1.60	.02	.07	1	14.6
L39+00N 23+75E	4	47	29	56	.6	21	13	805	3.02	6	5	ND	1	50	.9	2	2	59	.60	.057	15	39	.42	88	.09	2	1.78	.02	.07	2	2.3
L39+00N 24+00E	7	50	12	70	.6	23	16	1488	3.32	4	5	ND	1	58	1.1	2	2	64	.60	.076	22	40	.56	94	.09	2	2.40	.02	.06	1	3.1
L39+00N 24+25E	5	37	6	55	.4	18	11	463	3.26	3	5	ND	1	33	.3	2	2	63	.35	.042	11	40	.42	66	.14	2	2.42	.03	.05	1	2.9
L39+00N 24+50E	8	41	27	53	.5	20	14	899	3.44	9	5	ND	1	42	.4	2	2	66	.48	.046	16	44	.57	86	.13	2	1.92	.03	.07	2	3.1
L39+00N 24+75E	7	47	14	72	.5	24	15	859	4.02	4	6	ND	1	42	.3	2	2	72	.45	.075	14	56	.63	123	.16	2	2.20	.03	.07	2	32.3
L39+00N 25+00E	9	55	13	58	.5	21	15	1178	2.82	4	5	ND	1	44	.5	2	2	52	.48	.065	22	45	.43	71	.08	2	2.26	.02	.05	5	2.9
STANDARD C/AU-S	19	63	40	129	7.4	73	33	1014	3.93	42	16	8	39	53	18.3	16	17	57	.48	.082	39	58	.88	174	.08	33	1.88	.06	.13	13	47.2

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L39+00N 25+25E	16	38	35	59	.6	19	15	953	2.54	5	7	ND	1	55	.8	2	2	46	.65	.086	20	47	.45	51	.08	4	1.95	.02	.05	1	15.2
L39+00N 25+50E	18	55	24	72	.5	27	17	1050	3.82	5	6	ND	1	47	.8	2	2	68	.57	.073	13	70	.62	92	.12	2	2.00	.02	.08	1	5.7
L39+00N 25+75E	11	81	20	89	.5	39	21	807	3.96	6	8	ND	1	51	.9	2	2	76	.74	.079	10	101	.91	67	.11	3	2.21	.03	.10	1	5.4
L39+00N 26+00E	4	53	10	82	.6	32	18	1024	3.67	4	5	ND	1	36	.3	2	2	68	.53	.065	9	75	.63	94	.15	4	2.10	.03	.09	1	2.3
L39+00N 26+25E	1	81	17	89	.4	41	19	807	3.44	7	5	ND	1	29	.7	2	3	65	.53	.100	10	95	.74	78	.12	2	2.59	.03	.13	1	1.5
L39+00N 26+50E	1	81	13	106	.4	44	22	1048	4.14	7	5	ND	1	28	.6	2	4	78	.47	.076	11	105	.84	96	.19	2	2.65	.03	.14	1	3.5
L39+00N 26+75E	2	88	19	93	.9	44	20	786	3.94	8	5	ND	1	32	1.0	2	2	79	.51	.078	10	103	.80	53	.13	3	2.42	.03	.12	1	3.1
L39+00N 27+00E	1	91	15	103	.5	51	21	973	4.31	9	5	ND	1	29	.7	2	4	80	.62	.068	6	143	.92	74	.21	3	2.46	.04	.12	1	3.2
L39+00N 27+25E	1	107	12	130	.6	54	23	874	4.68	9	5	ND	1	19	.5	2	3	82	.44	.225	5	167	1.09	78	.20	3	2.75	.04	.14	1	2.5
L39+00N 27+50E	1	171	19	123	.7	90	33	1499	4.78	8	5	ND	1	46	.9	2	3	100	1.13	.102	6	276	1.39	88	.11	3	2.48	.05	.24	1	3.4
L39+00N 27+75E	1	163	17	106	1.0	115	34	1233	4.54	6	5	ND	1	46	.9	2	2	98	.98	.075	8	337	1.41	101	.13	2	2.64	.04	.17	1	20.7
L39+00N 28+00E	4	74	12	124	.3	63	21	996	4.12	5	5	ND	1	28	.8	2	3	74	.42	.137	11	93	1.01	101	.21	2	3.20	.03	.11	1	.5
L39+00N 28+25E	6	71	18	111	.6	55	20	1086	3.95	9	5	ND	2	29	.3	2	3	71	.39	.127	11	82	.87	87	.22	5	3.27	.03	.09	1	2.1
L39+00N 28+50E	3	71	20	118	.4	52	20	1058	4.08	10	5	ND	1	28	.4	2	3	72	.40	.210	6	82	.85	101	.20	2	2.84	.03	.11	1	3.4
RE L39+00N 29+75E	1	56	16	115	.3	30	19	951	4.26	17	5	ND	1	28	.2	2	2	90	.42	.067	9	56	.83	94	.21	3	2.58	.02	.11	1	3.0
L39+00N 28+75E	1	114	12	169	.4	52	34	1375	4.58	11	5	ND	1	31	.4	2	3	78	.52	.130	7	59	.76	129	.20	3	2.45	.02	.08	1	1.2
L39+00N 29+00E	1	153	16	117	.5	138	31	1571	4.05	16	5	ND	1	36	.7	2	2	73	.97	.073	9	66	.80	76	.13	2	2.31	.02	.08	1	7.3
L39+00N 29+25E	1	93	17	91	.5	38	27	521	5.64	9	5	ND	1	23	.2	2	3	145	.52	.047	8	55	1.16	93	.29	2	2.81	.03	.14	1	2.2
L39+00N 29+50E	1	86	20	138	.3	38	23	973	6.76	16	5	ND	1	24	.3	2	3	124	.40	.160	5	54	.90	139	.20	3	1.88	.03	.09	1	4.8
L39+00N 29+75E	1	56	13	114	.3	30	19	937	4.26	18	5	ND	1	28	.2	2	4	90	.42	.069	8	55	.83	94	.21	2	2.55	.02	.10	1	4.2
L39+00N 30+00E	1	66	12	124	.3	32	16	540	4.39	20	5	ND	2	30	.3	2	2	78	.37	.110	9	60	.82	71	.21	2	2.73	.02	.07	1	4.0
L39+00N 30+25E	1	54	14	140	.5	30	13	477	3.92	43	5	ND	1	35	.3	2	2	70	.50	.128	10	53	.82	59	.18	2	2.66	.02	.07	1	4.6
L39+00N 30+50E	9	65	17	303	1.2	41	13	487	3.98	46	5	ND	2	21	1.0	2	3	63	.23	.113	12	45	.56	76	.18	2	2.96	.02	.07	1	5.2
L39+00N 30+75E	5	46	18	170	.6	29	16	1825	3.38	15	5	ND	1	26	1.4	2	2	56	.29	.140	9	41	.50	83	.13	3	2.48	.02	.07	1	7.2
L39+00N 31+00E	6	65	15	645	.8	77	22	729	4.40	88	5	ND	1	36	3.6	2	2	64	.54	.104	10	48	.48	62	.13	2	3.46	.02	.06	3	1.6
L39+00N 31+25E	18	141	32	590	1.3	89	37	1404	10.85	31	5	ND	2	27	3.1	5	3	127	.17	.581	8	50	.23	130	.07	2	4.74	.01	.05	2	1.7
L39+00N 31+50E	2	44	26	338	.4	34	17	1403	3.77	29	5	ND	1	40	1.7	2	2	60	.44	.133	7	50	.67	122	.13	2	2.27	.02	.06	1	11.5
L39+00N 31+75E	2	47	23	192	.5	29	18	1052	3.94	92	5	ND	1	27	1.2	2	3	63	.24	.109	10	58	.69	74	.18	3	2.63	.02	.06	1	4.4
L39+00N 32+00E	2	62	22	260	.6	38	20	660	4.74	24	5	ND	1	34	1.2	2	2	59	.50	.545	10	45	.53	82	.14	3	4.30	.02	.07	1	25.4
L39+00N 32+25E	3	62	16	260	.6	35	15	599	4.08	16	5	ND	1	26	.7	2	4	73	.24	.197	6	79	.77	59	.19	2	3.02	.01	.07	1	5.5
L39+00N 32+50E	4	133	13	325	1.0	60	29	522	4.70	40	5	ND	1	25	.8	2	3	64	.24	.167	13	64	.63	43	.12	2	4.94	.01	.06	1	9.4
L39+00N 32+75E	1	82	12	617	.5	60	20	838	4.36	20	5	ND	1	39	2.4	2	4	79	.41	.091	7	109	1.05	89	.20	2	2.71	.02	.07	2	5.9
L39+00N 33+00E	5	103	28	466	.9	59	25	1108	4.23	26	5	ND	1	31	3.7	2	2	62	.33	.217	9	66	.69	75	.09	2	3.49	.01	.06	1	11.0
L39+00N 33+25E	3	88	25	363	1.0	52	25	1115	3.60	17	5	ND	1	41	5.3	2	2	58	.48	.140	16	64	.57	71	.06	2	2.71	.01	.05	1	.9
L39+00N 33+50E	3	73	55	344	.6	46	25	1107	3.22	17	5	ND	1	71	8.1	2	2	54	.85	.217	15	50	.48	94	.04	2	2.49	.01	.05	1	9.3
L39+00N 33+75E	2	66	23	457	.6	51	28	1279	4.02	16	5	ND	1	50	3.8	2	2	57	.59	.145	10	58	.65	106	.09	4	2.88	.02	.08	1	3.5
L39+00N 34+00E	3	83	15	302	1.1	46	24	1176	3.76	12	5	ND	1	44	5.3	2	2	61	.54	.127	14	66	.64	88	.07	4	2.69	.02	.06	1	4.8
STANDARD C/AU-S	17	58	41	133	7.0	71	34	1049	4.00	43	17	8	36	54	18.5	15	17	55	.48	.091	38	58	.88	179	.09	31	1.90	.06	.15	13	47.2

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L39+00N 34+25E	3	79	40	287	.9	46	23	1099	3.76	21	5	ND	1	52	5.2	2	2	64	.63	.098	14	78	.80	79	.09	3	2.80	.02	.07	1	9.3
L39+00N 34+50E	1	50	29	161	.4	27	13	635	4.17	17	5	ND	1	39	2.2	2	2	67	.41	.113	10	71	.65	107	.13	2	2.54	.02	.07	1	84.8
L39+00N 34+75E	1	49	34	208	.5	29	19	1671	5.07	20	5	ND	1	38	1.4	2	2	100	.38	.208	6	79	.90	155	.15	2	2.89	.03	.10	1	5.0
L39+00N 35+00E	1	66	6	78	.4	32	13	678	3.95	8	5	ND	2	37	.7	2	2	77	.28	.136	8	81	.92	59	.14	2	2.74	.02	.09	1	6.7
L39+00N 35+25E	1	57	10	64	.8	27	15	409	4.46	7	5	ND	2	31	.9	2	2	77	.21	.079	13	69	.69	76	.23	2	3.09	.02	.07	2	6.5
L39+00N 35+50E	1	59	11	71	1.5	27	15	711	4.03	8	5	ND	1	38	1.0	2	2	71	.28	.071	14	72	.63	77	.18	2	2.52	.02	.10	1	3.0
RE L39+00N 36+50E	1	55	11	81	1.1	33	18	896	4.18	12	5	ND	1	47	.6	2	2	77	.42	.077	12	71	.98	91	.16	2	2.61	.02	.09	1	3.5
L39+00N 35+75E	1	50	25	82	.8	30	16	948	4.11	7	5	ND	1	48	1.2	2	2	74	.44	.088	9	79	.86	80	.14	3	2.40	.02	.09	1	3.2
L39+00N 36+00E	1	52	17	81	1.0	27	15	824	3.97	10	5	ND	1	39	.7	2	2	71	.33	.070	14	63	.76	80	.16	5	2.82	.02	.10	2	8.1
L39+00N 36+25E	1	45	13	71	.9	26	12	452	3.67	10	5	ND	1	34	.4	2	2	66	.30	.099	11	56	.72	79	.16	2	2.46	.02	.09	1	12.2
L39+00N 36+50E	1	52	12	76	1.0	31	16	847	3.93	9	5	ND	1	45	.5	2	2	73	.40	.073	11	67	.92	87	.16	2	2.45	.02	.09	1	4.7
L39+00N 36+75E	1	49	8	216	.7	31	14	599	3.81	49	5	ND	1	47	1.6	2	2	64	.61	.112	10	61	.76	78	.14	4	3.21	.02	.07	1	2.9
L39+00N 37+00E	1	46	36	117	.4	27	16	735	4.04	87	5	ND	1	46	1.5	3	2	77	.63	.071	14	72	.77	51	.18	2	3.50	.02	.07	2	7.1
L38+00N 22+00E	8	25	25	88	.4	13	11	1116	3.20	10	11	ND	1	38	1.0	2	2	58	.50	.059	16	25	.42	77	.14	2	2.32	.02	.06	1	1.8
L38+00N 22+25E	4	17	13	73	.4	13	7	409	4.58	5	5	ND	2	19	.2	3	2	75	.15	.072	10	26	.38	69	.19	5	2.06	.02	.06	1	6.5
L38+00N 22+50E	2	33	12	81	.4	18	10	380	4.15	6	5	ND	3	31	.4	2	2	80	.28	.069	11	39	.68	62	.21	2	2.56	.02	.07	1	2.5
L38+00N 22+75E	1	21	10	48	.3	11	6	183	3.34	6	5	ND	4	15	.2	3	2	56	.13	.118	8	25	.30	48	.20	2	4.11	.02	.04	2	5.7
L38+00N 23+00E	1	21	4	57	.2	20	7	262	4.02	3	5	ND	4	19	.2	2	2	82	.24	.060	8	43	.54	43	.20	2	2.13	.02	.06	2	8.9
L38+00N 23+25E	1	35	34	81	.4	26	12	497	3.74	9	5	ND	1	23	.8	3	2	83	.30	.048	7	64	.59	65	.17	3	1.76	.03	.10	1	5.1
L38+00N 23+50E	1	21	21	65	.4	14	7	1025	3.38	5	5	ND	1	24	.3	2	2	68	.29	.061	8	31	.39	87	.16	2	1.57	.02	.06	2	27.1
L38+00N 23+75E	4	29	20	82	.3	24	15	1308	3.85	9	5	ND	1	25	.5	2	2	66	.27	.066	13	48	.53	94	.19	3	2.36	.02	.07	2	4.3
L38+00N 24+00E	5	37	12	79	.3	19	14	987	3.51	7	5	ND	1	37	.8	2	2	61	.44	.062	15	39	.50	127	.15	2	2.17	.02	.06	1	2.7
L38+00N 24+25E	5	50	30	98	.4	26	15	1191	3.42	8	5	ND	1	60	1.0	2	2	64	.83	.088	17	51	.61	111	.11	3	2.38	.02	.07	1	5.5
L38+00N 24+50E	11	31	11	72	.4	17	12	872	3.61	5	5	ND	1	49	.6	2	2	69	.52	.056	17	38	.47	87	.15	2	2.30	.03	.07	2	37.7
L38+00N 24+75E	7	16	8	48	.3	13	5	233	4.21	7	5	ND	2	41	.5	2	2	86	.45	.023	10	38	.32	83	.20	3	1.37	.02	.05	3	15.9
L38+00N 25+00E	18	35	14	64	.7	19	9	466	3.88	2	5	ND	2	31	.4	2	2	69	.34	.036	18	44	.48	73	.22	2	2.28	.02	.06	2	6.4
L38+00N 25+25E	19	45	9	60	.6	21	15	884	3.27	3	9	ND	1	33	.8	2	2	61	.41	.053	26	51	.47	62	.14	2	2.59	.02	.07	2	7.8
L38+00N 25+50E	4	49	12	79	.5	30	17	1128	3.67	8	5	ND	1	41	.8	2	2	67	.55	.058	13	77	.64	91	.14	2	2.29	.03	.07	1	3.7
L38+00N 25+75E	1	45	13	105	.3	30	16	1619	3.77	6	5	ND	1	35	.5	2	2	70	.50	.080	8	71	.62	184	.20	2	2.00	.03	.08	2	4.3
L38+00N 26+00E	1	57	12	83	.4	35	17	579	4.19	7	5	ND	2	29	.4	2	2	77	.50	.055	9	94	.67	101	.21	4	2.19	.04	.08	1	3.0
L38+00N 26+25E	1	95	6	88	.3	59	25	958	5.23	11	5	ND	1	33	.6	2	2	100	.80	.060	5	168	1.10	124	.20	2	2.57	.05	.18	1	15.7
L38+00N 26+50E	1	108	12	87	.3	62	25	870	4.31	8	5	ND	2	30	.6	2	2	84	.66	.123	6	179	1.09	107	.15	3	2.61	.05	.16	1	5.7
L38+00N 26+75E	1	83	14	91	.4	54	23	803	4.33	9	5	ND	1	30	.8	2	2	80	.63	.076	7	151	.91	103	.18	3	2.87	.04	.13	2	4.4
L38+00N 27+00E	1	102	17	90	.3	68	28	1224	4.69	10	5	ND	1	31	.8	2	2	90	.71	.071	7	195	1.13	94	.17	4	2.72	.05	.17	1	4.2
L38+00N 27+25E	1	64	24	130	.2	44	20	1488	3.81	9	5	ND	1	32	.9	3	2	67	.51	.141	7	106	.78	200	.15	2	2.37	.03	.12	1	3.9
L38+00N 27+50E	2	94	13	103	.6	49	21	1038	3.76	8	5	ND	1	47	1.1	2	2	75	.87	.066	11	121	.83	83	.15	2	2.45	.03	.09	1	83.6
L38+00N 27+75E	2	130	11	94	1.0	68	24	1195	3.93	4	5	ND	1	53	1.7	2	2	86	1.14	.073	11	203	.94	77	.14	3	2.54	.03	.09	1	4.1
STANDARD C/AU-S	18	57	38	125	6.8	68	28	999	3.98	37	19	7	36	48	17.6	16	19	54	.46	.084	36	56	.90	171	.08	33	1.85	.06	.14	11	46.5

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L38+00N 28+00E	2	120	19	144	.5	43	25	986	4.03	4	5	ND	1	39	.6	2	3	91	.53	.071	8	79	.80	90	.19	2	2.25	.03	.13	1	13.5
L38+00N 28+25E	1	100	21	154	.3	39	24	1430	4.29	9	5	ND	1	41	.5	2	4	87	.67	.157	7	67	.80	105	.19	5	2.39	.03	.14	1	78.5
L38+00N 28+50E	1	280	17	119	.4	85	22	594	4.11	13	5	ND	1	45	.7	2	3	84	.82	.041	9	117	.74	66	.22	2	2.35	.03	.08	1	6.6
L38+00N 28+75E	1	141	33	92	.5	50	19	756	3.51	12	5	ND	1	46	.9	2	3	74	.91	.053	10	79	.71	55	.18	2	2.01	.02	.08	1	160.0
L38+00N 29+00E	1	111	19	93	.1	45	29	949	4.39	12	5	ND	1	37	.4	2	2	102	.78	.087	11	54	.94	80	.13	2	2.34	.03	.10	1	2.7
L38+00N 29+25E	1	110	39	112	.3	44	27	1312	4.16	15	5	ND	1	42	1.5	2	2	85	.88	.103	14	45	.79	99	.11	2	2.40	.02	.08	1	6.1
L38+00N 29+50E	1	81	16	118	.4	33	29	1348	5.34	16	5	ND	1	36	.5	2	2	108	.61	.084	12	52	1.00	102	.20	3	2.36	.02	.06	1	5.9
L38+00N 29+75E	1	58	19	105	.2	29	17	739	4.00	15	5	ND	1	39	.3	2	3	76	.47	.068	10	63	.84	75	.19	2	2.38	.02	.07	1	4.8
L38+00N 30+00E	1	42	27	219	.4	30	12	478	3.58	14	5	ND	1	34	.9	2	3	66	.39	.143	8	57	.69	74	.16	4	2.47	.02	.07	2	4.4
L38+00N 30+25E	2	44	17	177	.5	29	12	366	3.63	33	5	ND	1	27	.4	2	3	60	.31	.088	10	47	.61	82	.19	2	3.21	.02	.08	1	4.1
L38+00N 30+50E	14	58	42	320	.9	48	25	558	5.67	54	5	ND	1	59	3.0	2	2	99	.93	.134	11	52	.45	85	.09	3	3.17	.02	.05	1	3.5
L38+00N 30+75E	1	42	13	75	.4	25	12	304	4.18	27	5	ND	1	37	.2	2	3	84	.42	.033	7	75	.79	61	.23	2	2.09	.02	.06	1	3.4
L38+00N 31+00E	5	67	13	264	.5	43	14	406	3.99	13	5	ND	1	29	.4	2	4	73	.24	.101	7	80	.79	65	.21	2	3.04	.02	.07	2	2.8
RE L38+00N 32+25E	2	56	27	272	.6	33	13	355	3.88	34	5	ND	1	32	3.5	2	3	62	.37	.052	10	59	.55	73	.21	2	3.06	.02	.05	1	6.7
L38+00N 31+25E	22	160	57	533	1.4	59	43	2348	9.94	42	5	ND	1	25	3.3	9	2	109	.13	.592	7	42	.24	93	.09	2	5.83	.01	.06	3	5.0
L38+00N 31+50E	4	56	37	399	.4	37	17	1646	4.12	46	5	ND	1	33	4.7	2	2	64	.34	.132	8	51	.53	112	.16	2	3.27	.02	.06	2	3.3
L38+00N 31+75E	2	59	19	171	.5	33	19	1078	3.92	126	5	ND	1	40	1.5	2	3	68	.45	.056	14	80	.86	57	.17	2	2.62	.02	.06	1	9.6
L38+00N 32+00E	7	91	14	323	.7	38	20	497	4.81	26	5	ND	1	25	2.3	2	3	64	.25	.077	9	61	.57	73	.19	2	3.87	.01	.05	2	3.0
L38+00N 32+25E	2	55	26	270	.6	32	13	352	3.87	32	5	ND	1	32	3.7	2	2	62	.36	.050	10	58	.54	72	.21	2	3.00	.02	.05	1	4.8
L38+00N 32+50E	4	108	22	593	.5	57	34	1472	4.75	26	5	ND	1	59	6.2	2	2	56	.70	.220	8	65	.65	101	.08	2	2.80	.02	.06	2	3.5
L38+00N 32+75E	1	76	29	468	.7	46	24	903	3.99	14	5	ND	1	48	2.7	2	2	63	.52	.203	7	85	.78	102	.12	6	2.66	.02	.08	2	5.7
L38+00N 33+00E	1	60	33	348	.5	38	19	901	3.69	11	5	ND	1	51	4.1	2	2	65	.56	.089	6	94	.84	150	.17	2	1.92	.02	.07	1	2.2
L38+00N 33+25E	1	66	14	187	.7	38	18	548	4.14	6	5	ND	1	49	1.7	2	3	76	.48	.080	7	109	.98	73	.22	2	2.32	.02	.08	1	5.4
L38+00N 33+50E	1	70	22	136	.7	37	18	728	3.93	7	5	ND	1	56	1.5	2	3	74	.56	.079	8	116	.96	66	.17	2	2.10	.02	.08	1	9.1
L38+00N 33+75E	1	73	15	110	.5	36	18	576	3.89	7	5	ND	1	57	.9	2	2	76	.54	.081	8	114	.92	67	.13	6	2.02	.02	.09	1	11.7
L38+00N 34+00E	1	76	36	128	.5	40	18	627	4.14	8	5	ND	1	53	1.4	2	2	80	.47	.108	8	115	1.05	72	.18	2	2.21	.02	.11	1	4.6
L38+00N 34+25E	1	80	21	245	1.0	43	21	1129	4.46	8	5	ND	1	57	1.9	2	3	86	.47	.207	8	108	1.07	160	.22	2	2.45	.02	.10	1	5.5
L38+00N 34+50E	1	70	15	231	.9	39	18	748	4.44	13	5	ND	1	36	1.3	2	3	102	.30	.072	8	85	1.02	97	.21	2	3.01	.02	.10	1	3.9
L38+00N 34+75E	1	43	10	89	.6	27	14	538	4.06	6	5	ND	1	42	.4	2	2	80	.39	.071	7	76	.75	85	.22	4	2.07	.02	.08	1	2.4
L38+00N 35+00E	1	41	16	122	.8	26	15	898	4.00	7	5	ND	1	30	.5	2	2	74	.23	.132	7	67	.65	91	.22	3	2.06	.02	.09	1	4.1
L38+00N 35+25E	1	49	14	84	1.4	26	13	935	3.90	7	5	ND	1	39	.5	2	2	70	.31	.096	12	67	.62	89	.18	3	1.95	.02	.08	1	2.1
L38+00N 35+50E	1	48	32	78	1.2	25	13	720	3.72	7	5	ND	1	37	.5	2	2	70	.29	.086	11	61	.64	80	.20	3	2.15	.02	.09	1	8.7
L38+00N 35+75E	1	55	42	95	1.2	25	15	1183	3.46	14	5	ND	1	32	1.1	2	2	62	.21	.219	12	54	.57	90	.20	2	2.33	.02	.10	1	2.3
L38+00N 36+00E	1	60	15	93	1.1	28	16	1016	3.86	7	5	ND	1	42	.7	2	2	72	.36	.102	12	59	.76	91	.13	2	2.43	.02	.10	1	2.9
L38+00N 36+25E	1	64	13	75	.9	27	15	602	3.79	8	5	ND	1	34	.3	2	3	73	.27	.087	11	61	.78	64	.19	2	2.63	.02	.11	1	9.5
L38+00N 36+50E	1	64	10	123	.8	31	15	724	4.02	12	5	ND	1	35	.2	2	3	75	.29	.322	7	71	.81	107	.20	3	2.26	.02	.09	1	3.0
L38+00N 36+75E	2	60	23	308	.6	37	16	928	3.54	40	5	ND	1	53	4.7	2	2	71	.70	.091	11	59	.81	74	.11	3	2.62	.02	.07	1	4.3
STANDARD C/AU-S	17	62	41	132	7.2	71	32	1048	3.97	44	19	7	39	52	18.9	15	18	59	.49	.091	40	58	.87	177	.09	33	1.89	.06	.15	13	45.9

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L38+00N,37+00E	2	75	17	458	.6	55	22	1036	4.93	58	5	ND	1	65	3.5	2	2	114	.73	.081	10	86	1.31	118	.14	2	3.25	.04	.10	1	4.0
L37+00N 22+00E	3	36	20	104	.4	18	13	1189	4.43	9	5	ND	1	34	.5	2	2	87	.37	.128	10	34	.55	104	.11	3	1.75	.02	.07	2	3.0
L37+00N 22+25E	4	32	22	82	.5	16	11	541	3.73	9	5	ND	3	33	1.0	2	2	73	.44	.056	15	33	.50	70	.17	3	2.64	.03	.07	2	3.0
L37+00N 22+50E	2	23	19	53	.7	12	6	231	3.79	2	5	ND	3	30	.4	2	2	82	.25	.046	11	23	.33	71	.18	2	1.49	.02	.05	1	20.5
L37+00N 22+75E	2	35	12	80	.4	14	8	337	4.01	3	5	ND	3	28	.4	2	2	73	.28	.067	9	32	.38	100	.20	2	2.50	.03	.06	1	10.0
L37+00N 23+00E	4	39	19	57	.6	12	41	947	2.65	6	5	ND	1	35	.7	2	2	57	.31	.057	16	32	.18	84	.13	2	1.75	.02	.05	2	2.0
L37+00N 23+25E	3	27	20	61	.6	13	8	291	3.77	4	5	ND	3	24	.6	3	2	73	.22	.063	9	33	.35	59	.20	3	2.02	.03	.06	1	4.1
RE L37+00N 24+25E	1	37	19	72	.7	17	11	604	3.83	5	5	ND	1	27	.8	2	2	73	.29	.167	13	36	.46	84	.15	2	2.87	.03	.07	1	22.6
L37+00N 23+50E	4	29	19	62	.5	10	6	444	3.93	4	5	ND	2	21	1.1	3	2	66	.17	.072	7	25	.28	97	.22	2	1.76	.02	.06	1	5.0
L37+00N 23+75E	1	36	12	75	.6	17	11	541	3.91	4	5	ND	1	26	.8	2	2	81	.34	.055	8	45	.38	72	.20	2	2.11	.03	.06	2	5.2
L37+00N 24+00E	1	29	26	96	.7	19	10	975	3.99	8	5	ND	2	32	.9	2	2	84	.38	.121	10	41	.49	113	.14	3	1.80	.03	.08	1	209.0
L37+00N 24+25E	1	36	15	74	.8	18	11	619	3.88	5	5	ND	2	27	.8	2	2	74	.29	.164	13	36	.46	87	.15	3	2.91	.03	.07	1	18.9
L37+00N 24+50E	2	38	10	75	.5	19	10	1201	3.68	2	5	ND	1	40	.7	2	2	79	.44	.045	11	45	.50	101	.19	2	2.14	.04	.07	1	8.1
L37+00N 24+75E	8	69	15	39	.8	14	10	648	3.04	3	5	ND	1	34	1.2	3	2	69	.41	.036	19	28	.15	57	.20	3	1.82	.03	.05	2	3.4
L37+00N 25+00E	9	42	28	61	.5	15	7	750	2.16	23	24	ND	1	62	.8	2	2	61	.88	.098	23	58	.31	57	.08	4	2.57	.03	.06	13	6.1
L37+00N 25+25E	4	26	24	41	.4	10	5	136	3.62	5	5	ND	3	23	.3	2	2	83	.21	.027	7	28	.19	92	.22	2	2.24	.02	.05	3	4.4
L37+00N 25+50E	5	61	13	66	.6	33	15	519	4.19	4	6	ND	2	41	.5	2	2	92	.61	.043	12	85	.82	64	.20	2	2.83	.04	.08	2	3.8
L37+00N 25+75E	2	65	15	80	1.2	25	20	1541	3.45	6	5	ND	1	36	1.1	2	2	75	.45	.057	18	60	.52	79	.14	2	2.25	.03	.08	1	3.9
L37+00N 26+00E	2	98	34	79	.9	29	21	1493	3.29	9	5	ND	1	53	1.3	2	2	74	.87	.093	28	69	.59	77	.10	2	2.30	.04	.09	1	2.5
L37+00N 26+25E	1	107	21	108	.8	46	21	1053	3.93	5	5	ND	1	59	1.3	2	2	94	1.38	.085	11	143	.84	72	.12	3	2.44	.06	.13	1	6.5
L37+00N 26+50E	1	104	31	97	.7	47	22	1135	3.97	7	5	ND	1	47	.8	2	2	91	1.04	.087	11	153	.80	78	.12	4	2.56	.06	.14	1	8.5
L37+00N 26+75E	1	65	16	105	.6	31	16	906	4.08	8	5	ND	1	39	1.0	2	2	84	.59	.066	11	82	.70	86	.15	3	2.27	.04	.12	1	7.9
L37+00N 27+00E	2	79	28	104	.7	37	19	1039	3.70	6	5	ND	1	53	1.3	2	2	77	1.06	.104	11	91	.74	92	.11	4	2.42	.04	.16	1	2.4
L37+00N 27+25E	2	100	35	108	.7	37	18	748	3.56	8	5	ND	1	60	1.3	2	2	81	1.22	.086	14	87	.73	76	.11	4	2.38	.04	.12	1	4.7
L37+00N 27+50E	2	104	16	192	.7	39	20	979	4.08	41	5	ND	1	59	.9	2	2	81	.99	.085	9	77	.79	94	.11	3	2.45	.03	.11	1	5.9
L37+00N 27+75E	2	63	18	91	.7	26	14	528	3.58	10	5	ND	1	59	1.0	2	2	77	1.26	.068	10	61	.57	55	.14	4	2.03	.03	.08	1	3.1
L37+00N 28+00E	2	130	9	87	.4	40	15	795	2.91	8	5	ND	1	56	.7	2	2	68	1.21	.095	11	78	.71	45	.08	3	2.00	.04	.10	3	8.0
L37+00N 28+25E	1	77	13	85	.5	32	16	606	3.60	12	5	ND	1	48	.7	2	2	74	.67	.077	12	69	.78	61	.15	5	2.51	.03	.10	1	5.6
L37+00N 28+50E	1	83	12	95	.4	33	15	514	3.53	17	5	ND	1	51	.5	2	2	79	.71	.108	14	73	.83	61	.14	3	2.53	.03	.10	2	9.1
L37+00N 28+75E	1	88	18	104	.5	33	16	750	3.43	20	5	ND	1	48	1.0	2	2	75	.92	.124	12	63	.75	61	.10	3	2.40	.03	.11	1	82.7
L37+00N 29+00E	1	113	22	129	.6	41	21	1089	4.17	19	5	ND	1	45	.8	2	2	96	.75	.112	15	47	.95	78	.12	3	2.94	.04	.14	1	9.0
L37+00N 29+25E	1	76	15	113	.7	29	16	726	3.77	16	5	ND	1	51	1.0	2	2	83	.72	.055	10	53	.75	137	.18	5	2.46	.03	.09	1	8.5
L37+00N 29+50E	1	70	15	136	.6	29	18	1082	3.99	26	5	ND	1	48	1.2	2	2	79	.58	.085	10	66	.79	84	.17	5	2.58	.03	.08	1	8.3
L37+00N 29+75E	3	81	34	194	.4	50	38	2197	5.81	142	5	ND	1	51	2.0	2	2	63	.52	.221	7	40	.50	148	.10	3	2.46	.02	.09	1	63.2
L37+00N 30+00E	2	60	23	237	.5	31	16	1124	3.82	44	5	ND	1	50	2.7	2	2	72	.60	.153	10	59	.61	127	.14	5	2.48	.03	.10	1	176.0
L37+00N 30+25E	4	88	12	272	.9	43	20	1258	3.81	26	5	ND	1	71	4.0	2	2	78	1.08	.107	20	87	.91	81	.12	5	2.60	.03	.07	1	14.2
L37+00N 30+50E	3	59	12	222	.7	37	17	560	3.98	32	5	ND	2	48	1.3	2	2	83	.54	.086	12	73	.84	81	.18	5	3.14	.03	.07	1	14.7
STANDARD C/AU-S	18	58	37	127	6.8	66	30	1002	3.94	37	19	8	36	47	17.4	16	18	57	.46	.086	37	56	.85	170	.07	33	1.90	.06	.13	13	46.6

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
L37+00N 30+75E	1	32	16	105	.5	26	13	707	3.26	44	5	ND	2	31	.4	2	2	53	.32	.105	8	55	.62	115	.16	2	3.33	.02	.06	1	7.6
L37+00N 31+00E	2	51	71	185	.4	29	16	2336	3.14	75	5	ND	1	52	2.1	2	2	51	.64	.100	10	65	.79	110	.09	2	2.41	.02	.08	1	21.4
L37+00N 31+25E	6	69	20	551	1.4	50	25	1115	4.92	28	5	ND	1	30	2.3	2	2	67	.27	.184	8	56	.63	113	.13	3	5.17	.01	.08	1	7.7
L37+00N 31+50E	4	63	24	297	.7	37	21	806	4.55	86	5	ND	1	40	2.3	2	2	58	.47	.117	13	55	.67	87	.12	3	4.13	.02	.06	1	1.5
L37+00N 31+75E	4	67	36	288	.9	35	22	1014	4.05	86	5	ND	1	67	4.5	2	2	52	.93	.099	17	52	.58	96	.09	3	3.30	.02	.06	1	3.3
L37+00N 32+00E	12	77	25	477	.9	47	27	1375	6.65	36	5	ND	1	40	4.4	2	2	51	.39	.159	7	50	.41	141	.08	4	3.59	.01	.06	1	.9
L37+00N 32+25E	5	106	16	337	.7	59	24	764	4.99	31	5	ND	2	45	2.5	3	2	73	.45	.135	9	101	1.03	84	.15	2	3.80	.02	.09	1	2.9
L37+00N 32+50E	1	71	12	269	.3	40	17	533	4.06	11	5	ND	1	47	1.5	2	2	70	.46	.111	6	106	.98	66	.15	2	2.72	.01	.06	1	25.6
L37+00N 32+75E	1	76	15	212	.5	40	20	739	3.88	10	5	ND	1	56	2.0	2	2	69	.58	.093	9	106	.99	85	.13	2	2.50	.02	.08	1	72.3
L37+00N 33+00E	1	78	28	176	.7	39	18	772	3.80	7	5	ND	1	44	1.5	2	2	68	.42	.122	8	109	1.00	56	.11	2	2.48	.01	.10	1	14.6
L37+00N 33+25E	1	79	17	168	.8	40	18	591	3.91	7	5	ND	1	40	1.2	2	2	68	.35	.137	7	119	1.03	47	.10	2	2.43	.01	.10	1	7.7
L37+00N 33+50E	2	80	22	221	.7	46	20	697	4.35	6	5	ND	1	51	1.8	2	2	76	.50	.105	9	137	1.16	56	.12	3	2.64	.02	.10	1	11.6
L37+00N 33+75E	2	93	19	170	1.3	42	17	618	4.49	5	5	ND	1	47	1.8	2	2	78	.39	.153	9	119	1.05	72	.13	2	2.71	.02	.13	1	3.6
L37+00N 34+00E	2	81	31	157	1.0	39	19	732	4.24	7	5	ND	1	55	1.7	2	2	76	.50	.107	11	113	1.01	68	.13	2	2.64	.02	.11	1	.9
L37+00N 34+25E	1	67	12	139	.9	34	18	826	4.38	4	5	ND	1	66	1.1	2	2	80	.60	.161	6	103	.91	120	.16	2	2.31	.02	.14	1	6.7
L37+00N 34+50E	1	58	12	176	.8	33	18	1213	4.20	4	5	ND	1	53	1.7	2	2	73	.49	.202	7	88	.88	133	.13	2	2.61	.02	.13	1	3.4
L37+00N 34+75E	2	47	11	240	1.5	29	15	752	4.33	8	5	ND	1	28	1.2	2	2	104	.24	.148	5	77	1.02	116	.16	2	4.03	.02	.08	1	2.8
L37+00N 35+00E	1	58	10	228	1.1	33	16	1239	4.87	10	5	ND	1	32	1.1	2	2	106	.26	.180	6	74	1.12	217	.19	2	4.30	.02	.08	1	3.6
L37+00N 35+25E	1	55	21	135	2.1	31	18	1112	4.29	8	5	ND	1	34	1.1	2	2	79	.26	.122	9	68	.88	126	.18	2	2.83	.01	.10	1	3.1
L37+00N 35+50E	2	65	10	93	2.5	30	14	844	3.84	6	5	ND	1	44	2.1	2	2	63	.33	.094	14	59	.66	108	.13	2	2.57	.02	.10	1	4.1
L37+00N 35+75E	1	61	8	81	1.1	26	11	522	3.60	2	5	ND	1	35	1.2	2	2	63	.24	.083	13	56	.72	85	.15	2	2.35	.02	.11	1	8.0
L37+00N 36+00E	1	61	7	72	1.2	25	15	721	3.54	7	5	ND	1	38	1.1	2	2	63	.34	.051	16	53	.65	77	.15	2	2.29	.01	.10	1	2.5
L37+00N 36+25E	1	62	16	125	.8	35	19	1079	4.67	13	5	ND	1	45	1.2	2	2	83	.39	.100	8	78	1.03	101	.17	2	2.84	.02	.17	1	6.8
RE L37+00N 35+50E	2	67	8	91	2.3	30	14	811	3.69	5	5	ND	1	41	2.0	2	2	59	.33	.090	14	57	.65	98	.13	2	2.41	.02	.09	1	4.1
L37+00N 36+50E	2	47	16	100	.6	21	13	1287	3.16	19	5	ND	1	50	1.9	2	2	55	.71	.088	18	44	.52	73	.10	2	2.84	.02	.08	1	3.9
L37+00N 36+75E	1	50	6	147	.2	28	15	597	4.43	14	5	ND	1	35	1.0	2	2	86	.29	.095	6	82	.97	88	.15	2	2.51	.01	.08	1	4.2
L37+00N 37+00E	1	55	9	294	.4	37	19	1056	5.05	17	5	ND	1	39	1.8	2	2	133	.47	.108	5	98	1.75	155	.16	2	3.28	.02	.10	1	.9
STANDARD C/AU-S	19	63	38	131	7.5	69	33	1051	3.94	41	19	7	39	52	18.7	16	20	55	.47	.089	39	58	.89	178	.09	32	1.92	.05	.16	11	46.9

Samples beginning 'RE' are duplicate samples.