Report on the 1997 Geological, Geochemical, and Geophysical Assessment Work on the Brik Property

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Report on the 1997 Geological, Geochemical, and Geophysical Assessment Work on the Brik Property

Dawson Mining District, Yukon
NTS 116 B/02
Sept. 15 - Oct. 22, 1997
64° 02'N 135° 55' W

Claims: Brik 1-28 YB67979-68006
Brik 29-66 YC04766-04803

For: Radius Explorations Ltd.
855-409 Granville Street
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25 January, 1998

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 15,000.

M. B...

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

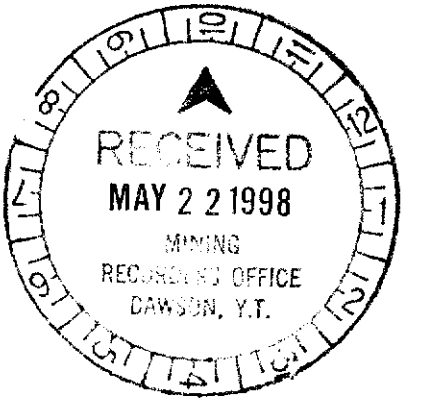
SUMMARY

Radius Explorations Ltd. has an option to acquire an 80% interest in the Brik property, consisting of 66 contiguous mineral claims located 25 kilometers east of Dawson, Yukon. The property is accessible by road.

The Brik Property is located on the margin of the Tintina Fault, a major strike-slip fault which controls the location of a significant Eocene volcanic-hosted epithermal gold deposit at Grew Creek. Bedrock on the Brik Property consists of schists and ultramafic rocks which have been overlain and/or intruded by Eocene felsic volcanics. The geological setting at the Brik Property is considered to be suitable for hosting gold mineralization.

Exploration work completed by Radius in 1997 has identified a zone of epithermal-style quartz-chalcedony-carbonate alteration in ultramafic rocks which is anomalous in gold, arsenic, antimony, mercury, bismuth, and fluorine. This alteration zone closely coincides with the location of a gold-arsenic-antimony soil anomaly, magnetic anomalies, and an induced polarization chargeability-resistivity anomaly. The anomalous area is almost completely free of outcrop, and is adjacent to, and parallel with, the Tintina Fault Zone.

Results of the 1997 exploration work completed on the Brik Property are indicative of low-sulfide, volcanic-hosted, structurally controlled gold mineralization lying adjacent to or below the zone of epithermal bedrock alteration identified at the limit of bedrock exposure. Diamond drilling is recommended to test for the source of the anomalous zone.



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INTRODUCTION

This report was prepared for Radius Explorations Ltd. to satisfy assessment filing requirements on the company's Brik Property, located 25 kilometers east of Dawson City, Yukon.

Work completed by Radius on the Brik Property in 1997 consisted of grid preparation, geological mapping, geochemical sampling, geophysical surveying, and trenching. The work was supervised by Harmen Keyser and David Pass, and was completed during the period September 8 to October 22, 1997. Linecutting was performed by Coureur des Bois Ltd. of Whitehorse, excavator trenching by W.A.M. Explorations and Gillespie Equipment Rentals both of Dawson, geophysics by Amerok Geosciences Ltd. of Whitehorse, and prospecting by Sidehill Enterprises Ltd. of Whitehorse. Walton Geological Services of Whitehorse carried out heavy mineral studies.

LOCATION AND ACCESS

The Brik Property is located in west-central Yukon Territory, about 25 kilometers east of Dawson City (Figure 1). It is situated between Goring and Germaine Creeks, close to their confluence with the Klondike River. The geographic coordinates of a point approximately in the center of the property are 64° 02' north latitude and 138° 55' west longitude.

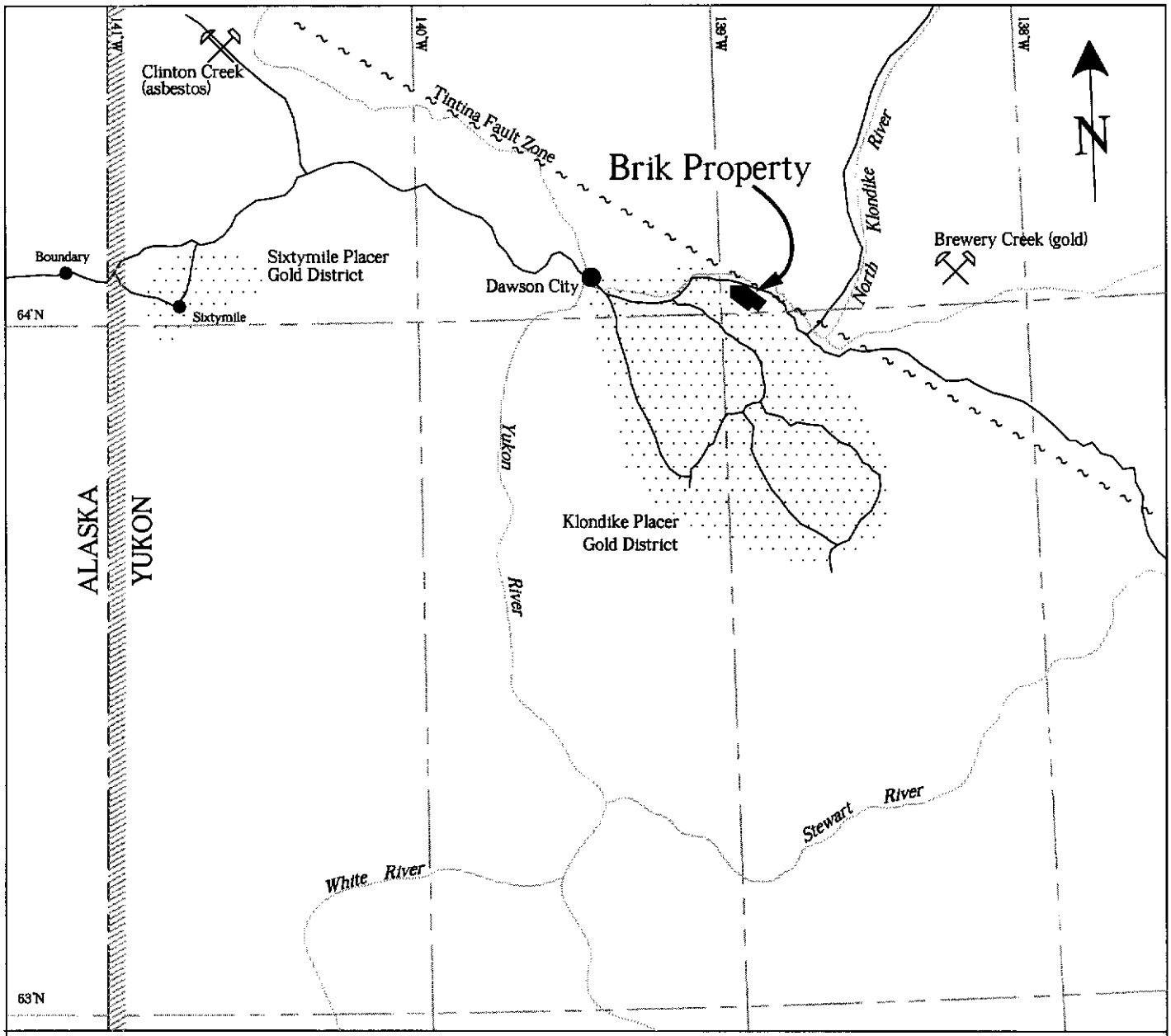
Access to the property is provided by the Klondike Highway, which closely parallels the northeast property boundary. In addition there are numerous 4WD and "Cat" trails over the property, especially in the area of Germaine and Goring Creeks.

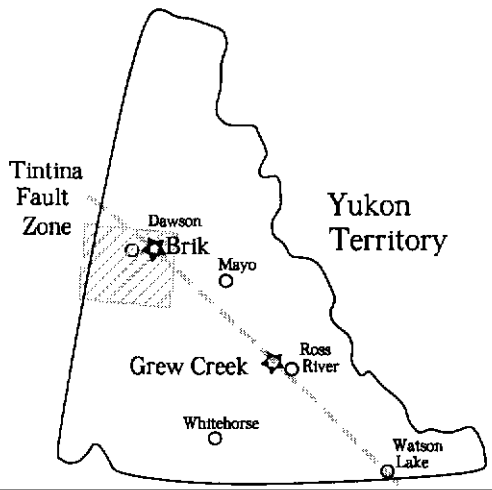
PROPERTY

The Property consists of 66 contiguous unsurveyed two-post and fractional two-post mineral claims (Figure 2) covering approximately 1320 hectares. They are located within the Dawson Mining District and are shown on Northern Affairs Program Mineral Rights map 116-B-2. Claim data are listed below:

Claim Name	Grant No.	Recording Date	Expiry Date*
Brik 1-28	YB67979-8006	March 22, 1996	March 22, 2000
Brik 29-59	YC04766-4796	Sept. 26, 1997	Sept. 26, 1999
Brik 60-61 fr.	YC04797-4798 fr.	Sept. 26, 1997	Sept. 26, 1999
Brik 62-63	YC04799-4800	Sept. 26, 1997	Sept. 26, 1999
Brik 64 fr.	YC04801 fr.	Sept. 26, 1997	Sept. 26, 1999
Brik 65	YC04802	Sept. 26, 1997	Sept. 26, 1999
Brik 66 fr.	YC04803 fr.	Sept. 26, 1997	Sept. 26, 1999

* subject to acceptance of this report





0 10 20 30 40 km

1:1000000

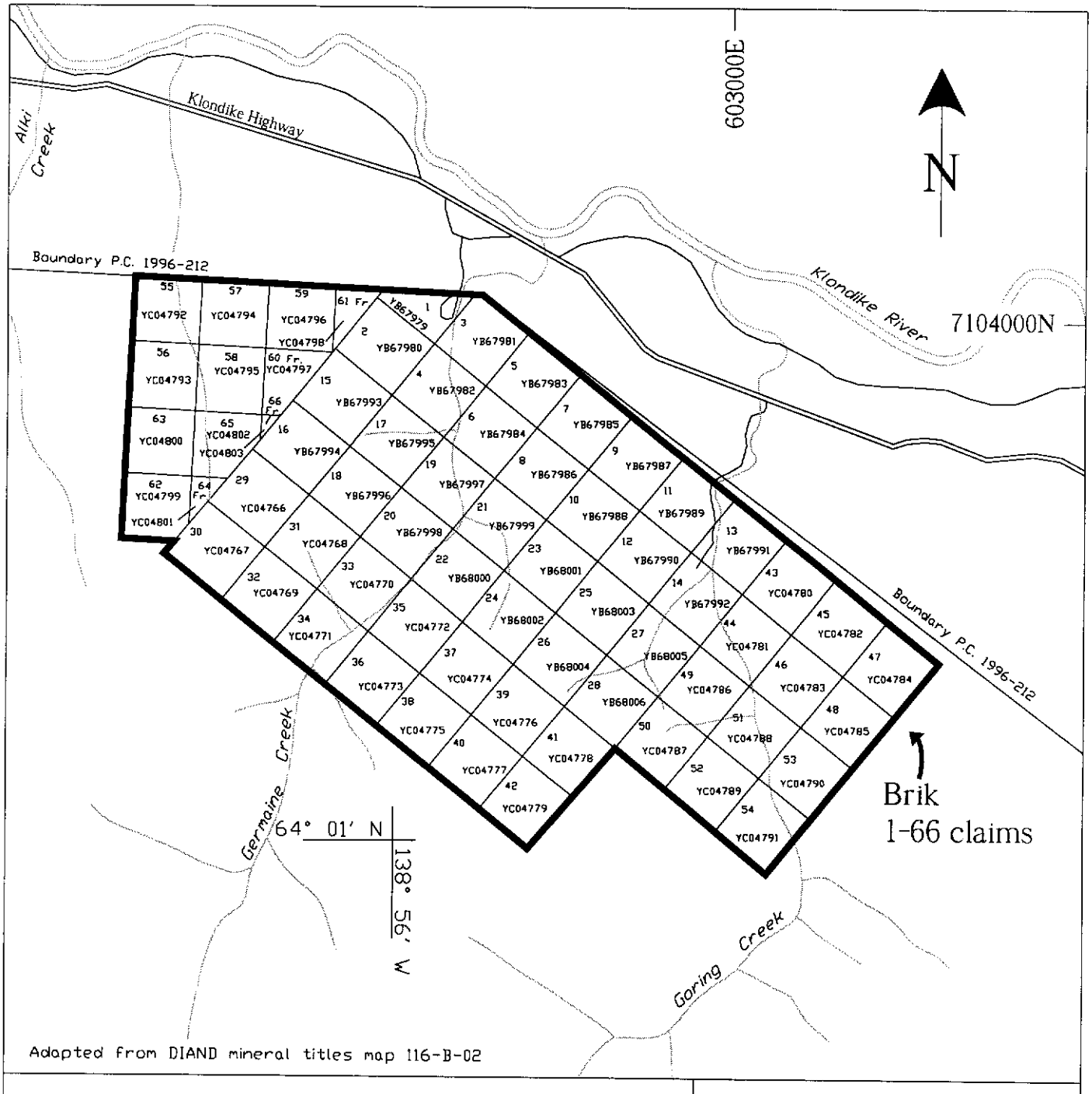
Radius Explorations Ltd.

Brik Property

Dawson Mining District, Yukon

Location Map

Scale 1: 1000000	January, 1998	
NTS 116B/02	By D. J. P.	Figure 1



Radius Explorations Ltd.

Brik Property

Dawson M.D., Yukon

Claim Map

Scale 1:40,000	January, 1998
NTS 116B/02	By D.J.P.	Figure 2

The claims were staked in accordance with the Yukon Quartz Mining Act, and are owned 100% by Balaclava Mines Inc. Radius Explorations Ltd. entered into an agreement with Balaclava dated September 10, 1997 whereby Radius has the right to earn an 80% interest in the Property by completing $250,000 of exploration work by the end of 1998.

The northeastern part of the claims overlaps a prior staking withdrawal (Canada Privy Council, 1996-212, approved February 20, 1996) "to ensure the protection and orderly development of the Klondike Valley," valid to January 1, 1999.

HISTORY

Placer gold was discovered in the Klondike River area in 1896. Production since then has exceeded 13,000,000 ounces of gold. Several bedrock gold occurrences have been discovered in the area (e.g., Lone Star and Mitchell occurrences; Gleeson, 1970; Mortensen, et al, 1992); however none of these adequately explain the source of placer gold found over an area of some 2000 km^2.

Germaine and Goring Creeks have been intermittently mined for placer gold since the early 1900's. Although valid placer mining claims are still held by others on these creeks, mining has been sporadic for the last 20 or more years.

The earliest recorded bedrock exploration on ground now covered by the Brik Property was in the 1970's when Chevron Canada Ltd. and Kerr Addison Mines Ltd. carried out a uranium exploration program. These companies carried out soil geochemistry, geological mapping, radiometric surveys, bulldozer trenching, and diamond drilling (Archer, 1979 and Archer, 1980). The ground was allowed to lapse following the exploration work.

The same ground was re-staked by Archer Cathro & Associates in 1985, who explored for the source of cassiterite and topaz found by placer miners in Germaine Creek (Cathro, 1985). Results of trenching were poor and the claims lapsed.

In 1988, Golden Rum Resources Ltd. and Noranda Exploration Co. Ltd. acquired the ground. Noranda explored for epithermal gold mineralization in 1989 with a program of geological mapping and soil geochemistry. This work identified a coincident gold-arsenic geochemical anomaly over a zone of intense listwanite alteration (Diment, 1989), but the claims were allowed to lapse in 1994 without carrying out any follow-up work.

Balaclava Mines Inc. acquired the ground by staking in March 1996. In July 1996, Balaclava carried out a short program of geological mapping and geochemical sampling to successfully confirm Noranda's 1989 work (Keyser, 1997). Radius Explorations Ltd. optioned the property from Balaclava in September 1997, and carried out the work described in this report.

CLIMATE, TOPOGRAPHY, AND VEGETATION

Warm summers and cold winters typify climate in the area of the Brik Property. Precipitation is low, about 50-60 cm annually. The Property is normally free of snow

from mid May to late September. Permafrost is locally present in poorly drained north-facing slopes, and is ubiquitous in the Klondike River valley.

Relief on the Property is about 300 meters, with the highest point at about 725 meters. The Property is on a northeast-facing slope below treeline. Vegetation consists of stunted but mature black spruce, willow, birch, and alder. The most recent (Pleistocene) glaciation did not affect this area of Yukon (Vernon and Hughes, 1966). As a result, bedrock exposure is poor due to weathering. Larger valleys are filled with locally thick glaciofluvial deposits. Outcrops are limited to ridges and deeply incised drainage channels. Overburden is locally rich in organics.

REGIONAL GEOLOGY

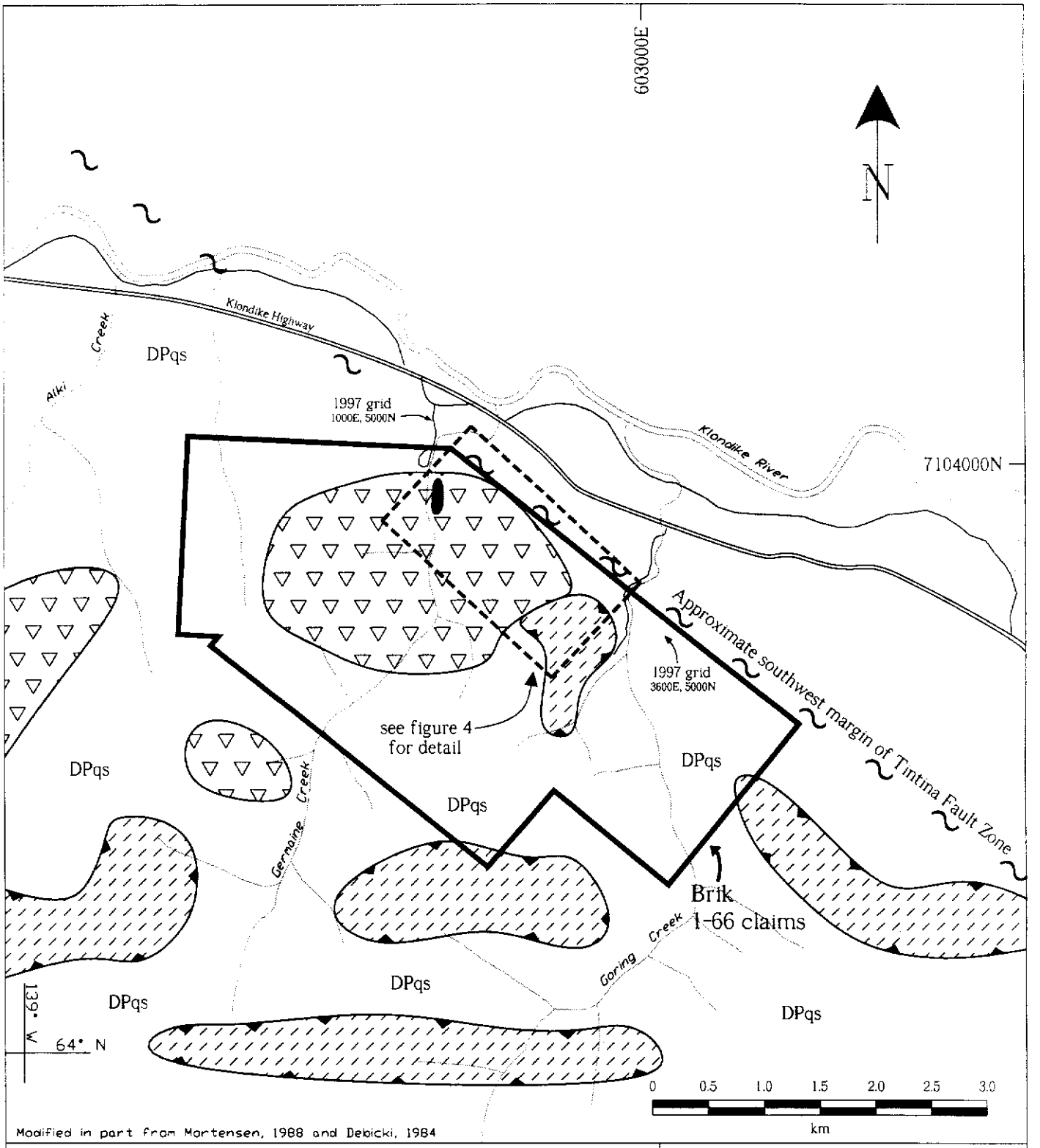
The Brik Property is located in the Yukon Tanana Terrane, an area characterized by layered metamorphic sequences of Permian gneiss, schist, quartzite, and subordinate volcanics and ultramafics. Intruding these basement rocks are Cretaceous granitoid plugs. Tertiary volcanics and intrusive equivalents of basaltic and rhyolitic composition have been mapped in the area. Green and Roddick (1962), Debicki (1984, 1985) and Mortensen (1988, 1990) have adequately described the regional geology.

Structure of the Brik Property area is dominated, and influenced, by the Tintina Fault (Figure 3). Two very different crustal blocks are separated by the fault; strata of the North American miogeocline to the northeast, and the Yukon-Tanana Terrane crystalline rocks to the southwest. The Tintina Fault is a major northwest-trending transverse fault with right-lateral displacement of some 450 kilometers activated during a Jura-Cretaceous compressional event. This same tectonic event generated several low-angle reverse faults, and is associated with at least three phases of igneous activity on both sides of the Tintina Fault. Two of these events are intermediate to felsic and are mid to upper Cretaceous. The third event is a bimodal suite of dykes, plugs, and minor subaerial volcanics which has been dated as mid-Eocene (Mortensen, 1988). Displacement, crushing, and subsequent erosion along the Fault have formed a major linear physiographic depression termed the Tintina Trench. The Fault joins the Rocky Mountain Trench Fault in British Columbia with the Kaltag Fault in Alaska.

EXPLORATION MODEL

The Brik Property is located at the eastern margin of the Klondike Gold District, an area which has historically produced over 13,000,000 ounces of gold. While virtually all of this production has come from alluvial placers, no adequate origin has been identified to date for the presumed bedrock source of the gold despite intensive exploration efforts especially over the last 15 years.

The Klondike Gold District flanks the Tintina Fault Zone, a major transcurrent fault which can be traced for 800 kilometers in Yukon. Along that strike length, there are only two zones of Eocene bimodal volcanism; one in the Ross River area (Jackson, et al.,



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Lithologies

TERTIARY

- eTdi — diabase dyke/sill
- eTv — volcanic breccia, quartz feldspar porphyry

PALEOZOIC

- Pu — ultramafics, variably altered
- DPqs — quartzite and schist

Symbols

- thrust fault
- approximate lithologic contact
- creek
- access road
- highway

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Brik Property

Dawson M.D., Yukon

Property Geology

Scale 1:50000	January, 1998
NTS 116B/02	By D.J.P.	Figure 3

1986; and Pride, 1988), and the other in the Dawson area (Mortensen, 1988; Mortensen and von Gaza, 1992).

At Grew Creek, located 20 kilometers west of Ross River and 380 kilometers southeast of the Brik Property, a significant precious metal deposit of 773,012 tonnes grading 8.9 g/T gold and 33.6 g/T silver (Christie, et al., 1992) was discovered in 1983. The low sulfide, quartz-adularia, structurally controlled deposit is hosted in Eocene felsic volcanics and sediments deposited in an extensional basin and preserved in a graben along the southwest margin of the Tintina Fault Zone.

Epithermal gold and silver mineralization at Grew Creek is hosted in stockwork chalcedonic quartz veins and hydrothermal breccias (Duke and Godwin, 1986). In addition to gold and silver, the epithermal mineralized zone is anomalous in mercury and arsenic. Non-metallic minerals associated with the deposit include quartz, chalcedony, adularia, carbonate, various clays, and fluorite. Variably altered ultramafic rocks are spatially related to the Grew Creek deposit (Roddick and Green, 1961).

Mortensen and von Gaza (1992) consider that bimodal volcanism present in both the Brik and Grew Creek areas is genetically related to the Tintina Fault Zone. The volcanic suite that hosts the epithermal precious metal deposit at Grew Creek is identical in structural and lithological association, composition and age to, and indistinguishable from, the volcanics in the Brik Property area.

In the area of the Brik Property, the Tintina Trench ranges from 5 to 15 kilometers wide and is filled with frozen unconsolidated glaciofluvial and more recent alluvial sediments attaining a thickness of up to 200 meters (Hughes, 1987). Extensive gold placer mining by dredges in the Klondike River valley downstream of the Brik Property (within 15 km) was carried out in unconsolidated sediments attaining thicknesses of up to 15 meters.

The closest significant bedrock mineral deposit known in the Brik Property area is at Brewery Creek, 60 kilometers to the east. The Brewery Creek mine began producing gold in October, 1996. Pre-production total reserves stood at 18,204,000 tonnes grading 1.55 g/T gold (Diment, 1996). Gold mineralization at 14 deposits at Brewery Creek is intimately associated with granitoid sills emplaced along a series of imbricate east-west thrust faults.

PROPERTY GEOLOGY

Ground now comprising the Brik Property has been previously mapped at scales of 1:10,000 and 1:5,000 (Archer, 1980 and Diment, 1989).

The Brik Property is located on the southwestern margin of the Tintina Fault. The dominant physiographic feature present on the Property is the northwest trending Klondike River valley, which, in the Property area, follows the Tintina Trench. The Tintina Trench is filled with glaciofluvial and alluvial sediments, within which there is no bedrock exposure in the Property area.

The oldest rocks exposed on the Brik Property (Figure 4) are brown weathering quartz-mica and quartz-muscovite-chlorite schists of the Paleozoic Nasina Series. The rocks are generally fissile and locally contain graphite. Younger (?) ultramafic rocks are exposed in the central part of the property. According to Mortensen (1988), the ultramafic rocks have been thrust over the schist, but this structural relationship has not been determined by exposures on the property.

Significantly, exposures of mid Eocene (Mortensen and von Gaza, 1992) felsic volcanic rocks (and possible hypabyssal equivalents) have been mapped at the northern part of the property. These rocks consist of variably altered and brecciated felsic lapilli tuffs, volcanic breccia, quartz feldspar porphyry, and immature intercalated siliclastics. Andesitic and basaltic zones were noted in the central part of the volcanic complex. Archer (1979) reports that topaz, fluorite, and zeolites are present in the volcanics; however this was not confirmed by the 1997 work. Discontinuous veinlets and fragments of perlite were identified in 1997, in the approximate center of the volcanic complex.

Previous thin section work (Cathro, 1985) describes samples collected from these exposures as containing glass and perlite, and that the brecciation and cross-cutting of phases could be suggestive of multiple intrusive events. Geochemically barren chalcedonic veinlets were identified in tuffs on both sides of Germaine Creek in 1997.

The eastern contact of these volcanics is obscured by overburden. However, the contact (Figure 4) appears to parallel the northeast trend of a prominent topographic bluff, which is perpendicular to the trend of the Tintina Fault Zone. Overburden close to the assumed eastern contact is unusually abundant in greenish clay, possibly reflecting a clay-rich basal horizon or hydrothermal alteration. No data have been collected to suggest whether the contact is intrusive, an unconformity, or faulted.

Geological mapping by Balaclava in 1996 and by Radius in 1997 identified a zone of serpentinite altered to orange dolomite and ankerite with disseminated magnetite and rare fuchsite. The altered ultramafics (listwanite) are locally sheared, brecciated and healed by a chalcedonic matrix with occasional calcite and fluorite. This zone lies between an outcrop of felsic pyroclastics with locally intense argillic alteration and the outcrop-free Tintina Trench. Part of the area underlain by listwanite is naturally devoid of vegetation.

The ultramafic rocks exhibit highly variable weathering patterns. Most of this unit is very recessive weathering, and is rarely, or poorly, exposed. However, one exposure is highly brecciated and silicified, and forms a five meter high monolith at the lower break in slope adjacent to the Tintina Fault Zone. Trenching exposed other nearby zones of ultramafics which are similarly brecciated, but not silicified, thereby being recessive weathering.

Placer mining operations at Germaine Creek have recovered gold, topaz, and cassiterite (Gleeson, 1970; Cathro, 1985). Topaz and cassiterite recovery has a distinct cutoff upstream (south) of the mapped volcanic rocks; therefore the source of topaz and cassiterite is presumably in the volcanics. Microscopic analysis of heavy minerals recovered from a bulk stream sediment sample from lower Germaine Creek in 1997 confirmed the presence of topaz, and cassiterite, in addition to gold.

Exploration work carried out in 1997 showed that there is very little outcrop on the Property. Ridge tops and slopes were found to be covered with a till of unknown thickness containing rounded quartz cobbles and boulders, and extensive deposits of quartz-rich sand, both of presumed glacial origin. The till may, in part, represent "White Channel Gravel" (Tempelman-Kluit, 1981) deposits.

ALTERATION AND MINERALIZATION

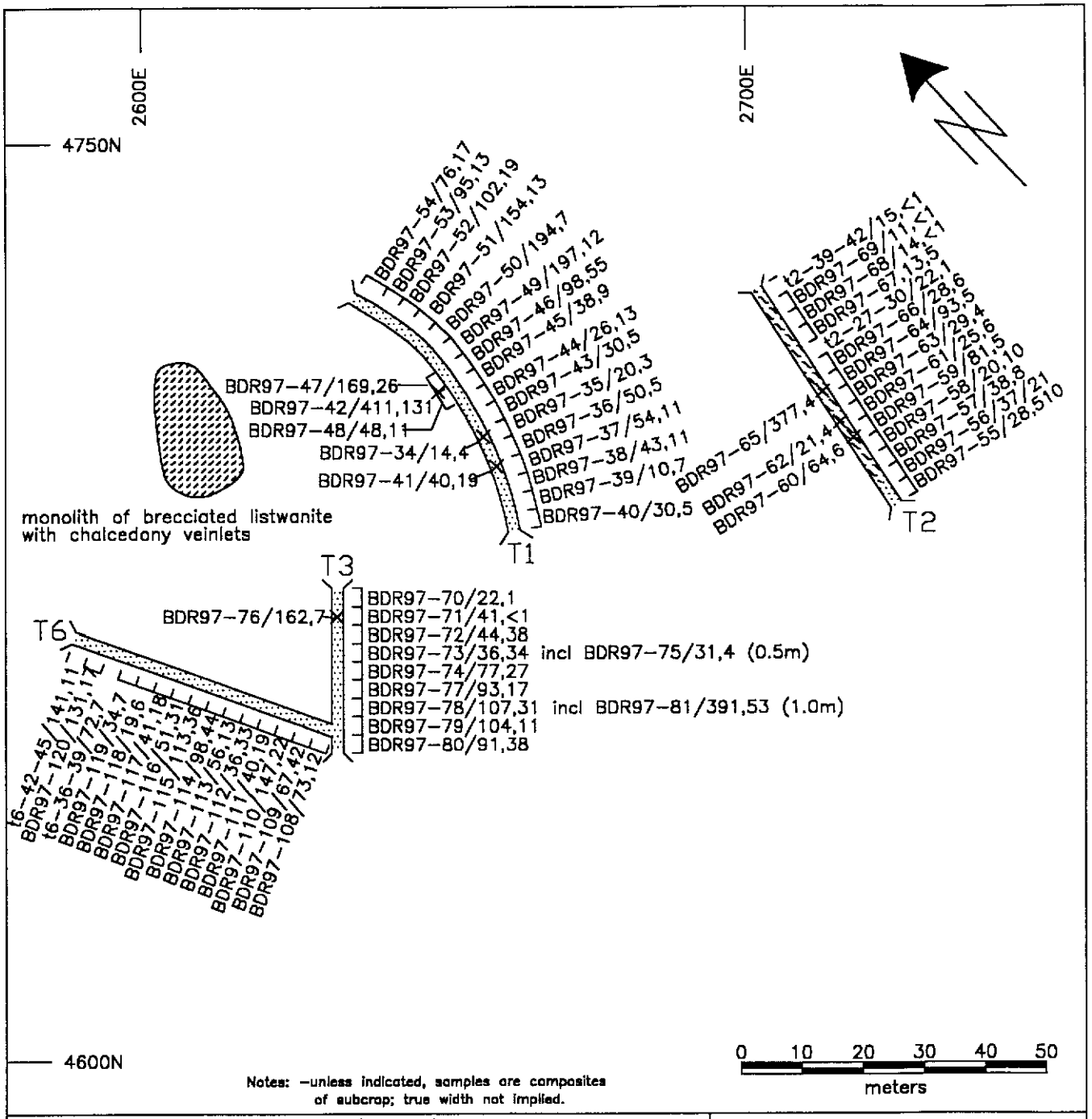
Although ground now covered by the current Property has previously been explored for a variety of targets and commodities, there is no record of prior mineral discoveries. The 1997 exploration program was directed toward locating bedrock gold mineralization indicated in 1989 and 1996 by anomalous Au-As soil geochemistry apparently associated with listwanite alteration adjacent to Tertiary felsic volcanics and the Tintina Fault Zone. There is no record of prior exploration in this area, although several shallow bulldozer trenches (1970's?) are present. A total of 326 lineal meters in 10 trenches, and 18 test pits, were excavated in 1997 in an attempt to expose bedrock and to collect deep soil samples in the area of the 1996 anomalous soil results.

Break Zone

In 1996, a highly silicified monolith of brecciated listwanite was identified at the lower break in slope adjacent to the lowlands of the Tintina Fault Zone. This zone, termed the Break Zone, was addressed in 1997 as a potential indicator of bedrock gold mineralization.

Trenching completed in the Break Zone area (Figure 5) identified highly sheared and variably silicified ultramafic rock in bedrock and frozen rubble presumed to be very close to bedrock. At the eastern part of the zone (Trench 2), fissile quartzite and schist at surface and in shallow overburden gave way to ultramafics in the southeastern part of the trench. The change from schist to ultramafics is indicative of the ultramafic-schist contact. Abundant schist close to surface in overburden overlying ultramafic bedrock could be present as ancient alluvial outwash.

Ultramafic rocks exposed in trenches are typically black, brecciated, and silicified. Variable amounts of fine grained quartz and chalcedony veining, with rare carbonate, jasper, fluorite, and fuchsite, are present as fracture fillings and veinlets. Magnetite seems to have a weak correlation with the amount of silicification, but is absent adjacent to quartz veins. Local irregular shaped but distinctive light-colored zones resembling dacitic dikes were observed, but based on geochemical results are believed to be bleached and clay-altered ultramafics. Irregular ankerite mineralization and alteration is marked by highly gossanous zones. There does not appear to be any change in the host rock; textural, mineralogical, and color differences appear to result solely as a result of alteration. Dominant alteration patterns are controlled by fracturing and brecciation, and have a dominant steep east-west trend. Alteration minerals consist of quartz, sericite, ankerite, magnetite, and pyrophyllite.



Notes: –unless indicated, samples are composites of subcrop; true width not implied.

Legend

1997 Trench Samples

t4–0–3/65,3 soil sample, No./As (ppm), Au (ppb)

BDR97–82/88,33 rock sample, No./As (ppm), Au (ppb)

Lithologies

- Pu: Listwanitic ultramafics – subcrop and float
- Pu: Listwanitic ultramafics – outcrop
- DPqs: fissile quartz–chlorite schist – subcrop and float

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Brik Property

Break Zone

Scale 1:1000		January, 1998
NTS 116B/02	By D.J.P.	Figure 5

Geochemistry completed at the Break Zone showed that bedrock is elevated in arsenic (up to 197 ppm) and gold (up to 510 ppb, but frequently in the 15-50 ppb range). The highest bedrock gold value obtained in the 1997 exploration program (510 ppb) came from the last sampled interval in the easternmost trench at the Break Zone, and consisted of strong ankerite mineralization in gossanous ultramafic subcrop.

Tree Zone

Trenching at the Tree Zone (Figure 6) was designed to explore for the bedrock source of anomalous gold, arsenic, and antimony values obtained in soil samples from the area of 2600E, 4400N. This area is centered in a prominent vegetation-free zone of unknown origin trending grid north. The trenching was not successful in exposing certain bedrock. In trench 4, at a depth of about 2 meters, a layer of cemented till containing quartz cobbles and boulders was encountered. Rock material recovered from the bottom of two trenches consisted of black, variably silicified, magnetite-fuchsite bearing ultramafic and weakly gossanous listwanite.

Samples that were collected can not be positively determined as having a local bedrock source, but they are weakly anomalous in gold (15-59 ppb) and arsenic (up to 851 ppm).

Trenches 9-10

Two trenches (Figure 7) were excavated on a small bluff to investigate the source of rare fuchsite identified in altered ultramafics present in overburden. Altered serpentinite was exposed which did not return any anomalous geochemical values.

Other Mineralization

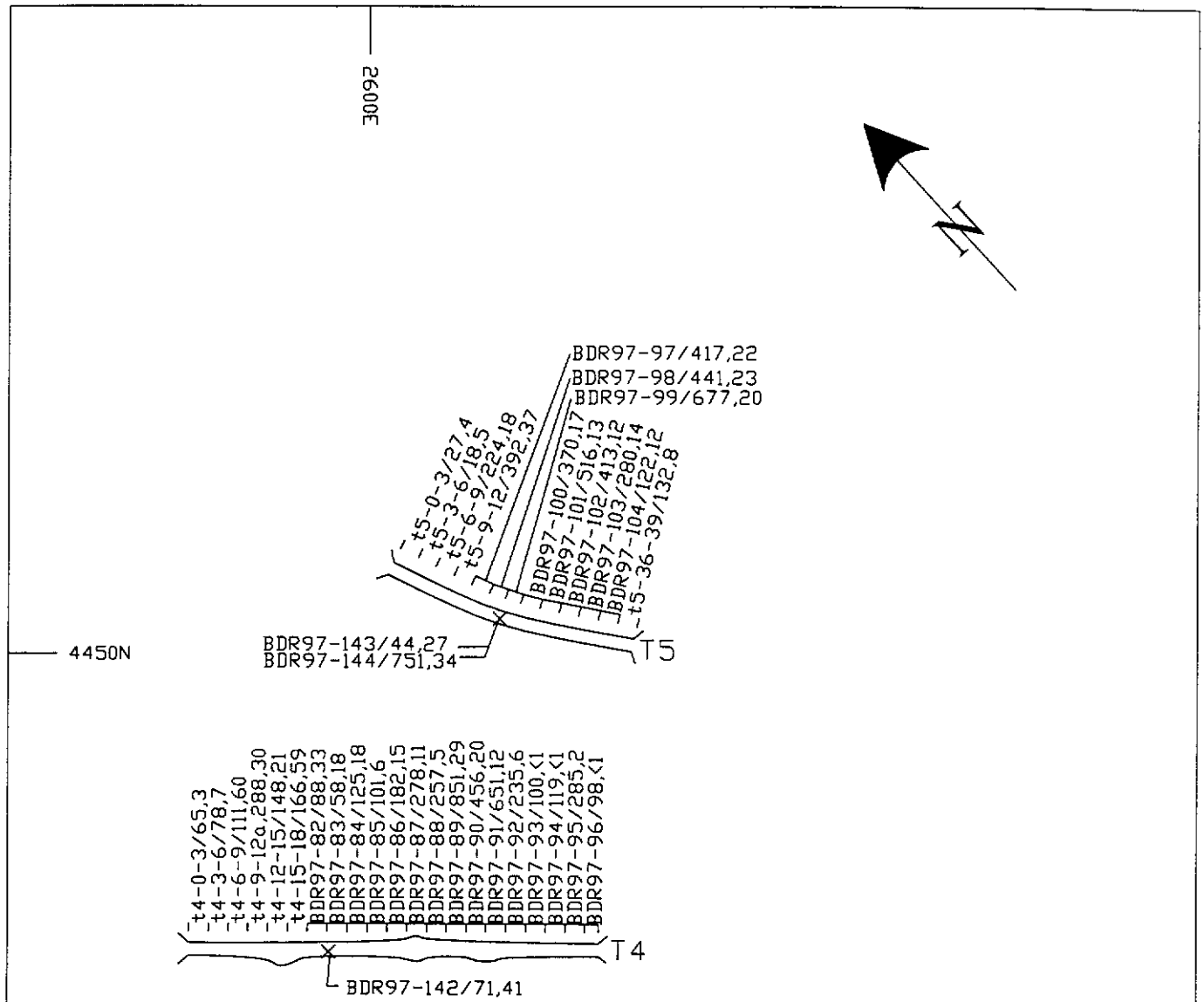
Sampling of silicified volcanic breccia exposed in a trench west of Germaine Creek in 1984 returned up to 10,000 ppm F and 219 ppb Au (Cathro, 1985). This area was not investigated in 1997.

GEOCHEMISTRY

Prior to 1989, approximately 1,000 rock and soil samples were collected on ground in the area of the present Brik Property. The bulk of the work was directed at locating uranium and tin deposits; most of these samples were not analyzed for elements considered useful in gold exploration.

In 1989, Noranda collected a total of 651 soil samples (Diment, 1989) in an effort to identify bedrock gold mineralization. Their work identified a coincident gold-arsenic soil anomaly (up to 70 ppb and 610 ppm respectively) associated with intense listwanite alteration (Diment, 1989) at the northeastern limit of their grid, adjacent to the Tintina Trench (now called the Break Zone). This area is covered by the present Brik Property.

Balaclava collected a total of 9 rock samples and 42 soil samples from the Brik Property in 1996 as follow-up on the Noranda work (Keyser, 1997). This work confirmed the



Legend

1997 Trench Samples

t4-0-3/65,3 — soil, sample #/As (ppm), Au (ppb)

BDR97-82/88,33 — rock, sample #/As (ppm), Au (ppb)

0 10 20 30 40 50

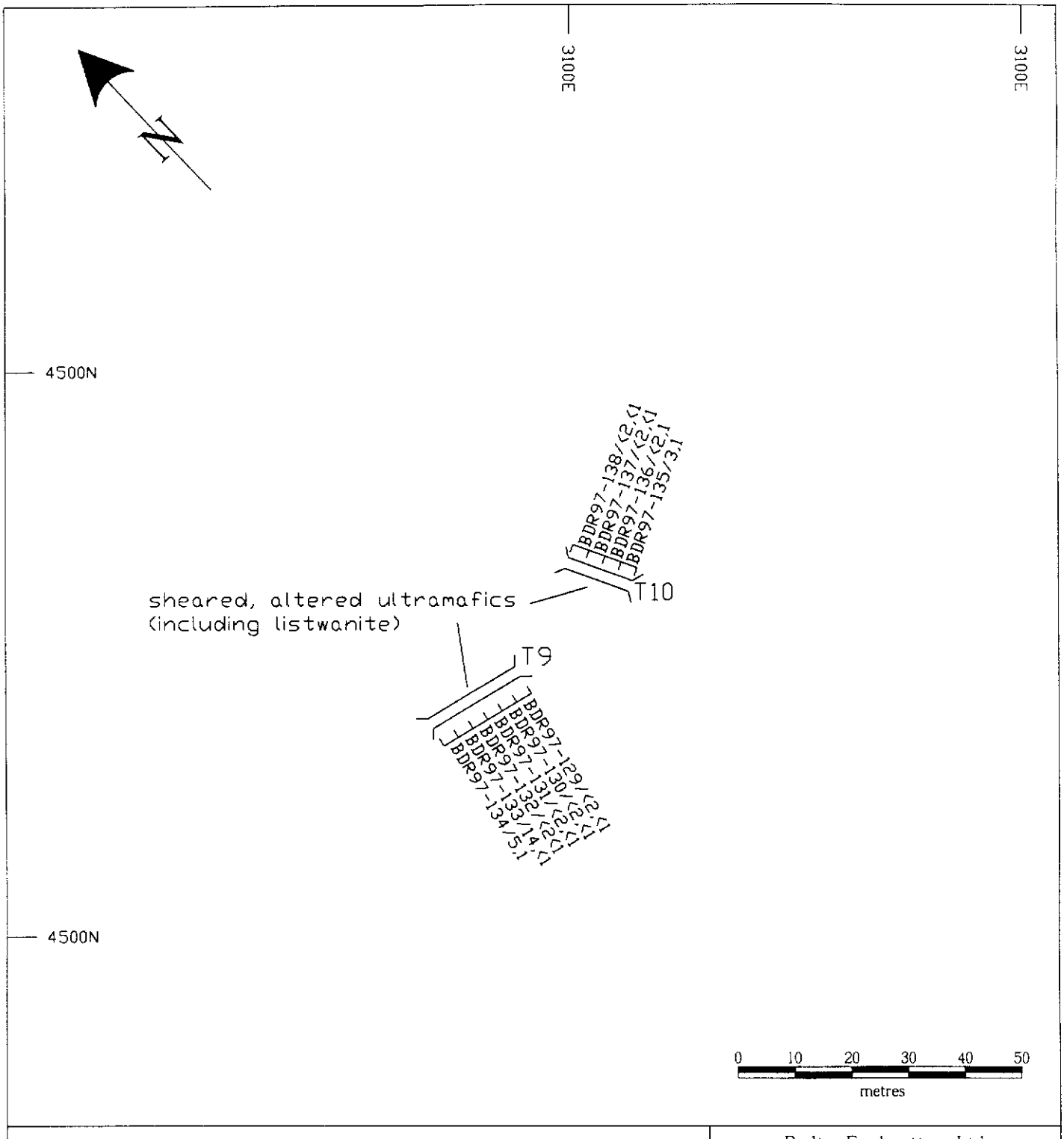
metres

Radius Explorations Ltd.

Brik Property

Tree Zone

Scale 1:1000		January, 1998
NTS 116B/02	By D.J.P.	Figure 12



Legend

1997 Trench Samples

t4-0-3/65.3 soil, sample #/As (ppm), Au (ppb)

BDR97-82/88.33 rock, sample #/As (ppm), Au (ppb)

Radius Explorations Ltd.

Brik Property

1997 Trenches T9, T10

Scale 1:1000		January, 1998
NTS 116B/02	By D.J.P.	Figure 7

presence of the gold-arsenic anomaly, and showed that the area is also variably anomalous in antimony, mercury, fluorine, and bismuth.

In 1997, Radius Explorations Ltd. undertook a more detailed exploration effort to explore for bedrock gold mineralization in the area first identified by Noranda in 1989, and confirmed by Balaclava in 1996. The 1997 work included the collection of 338 soil samples from a grid centered over the previously identified zone of interest, now called the Break Zone. The samples were collected from 'B' horizon material where possible at a grid spacing of 50 x 200 meters, or more detailed. In addition, multiple soil samples were collected from a series of excavator pits dug in an outcrop-free area surrounding the Break Zone. Results from these pits are included with the conventional grid samples. Acme Analytical Laboratories Ltd. of Vancouver B.C. analyzed all of the samples for 31 elements including gold using standard industry techniques on the -150 mesh (<106 micron) fraction. Selected samples were also analyzed for total fluorine and mercury content.

Anomalous threshold levels were arbitrarily determined as follows: Au 10 ppb, As 25 ppm, Sb 4 ppm, Bi 3 ppm, Ni 81 ppm, and Cu 36 ppm. All of the significant anomalous results came from samples collected in and adjacent to the Break Zone.

Results for gold are shown on Figure 8. Two anomalous clusters ranging up to 319 ppb were identified, one at the Tree Zone and one at the Break Zone. The level of results correlate well with values obtained in 1989 and 1996.

Figure 9 shows a plot of arsenic results. Values range up to 1205 ppm, with an anomalous cluster identified at each of the Tree and Break Zones. In addition, samples from Line 2500 were elevated in arsenic content. The range of anomalous values is similar to those obtained in 1989 and 1996.

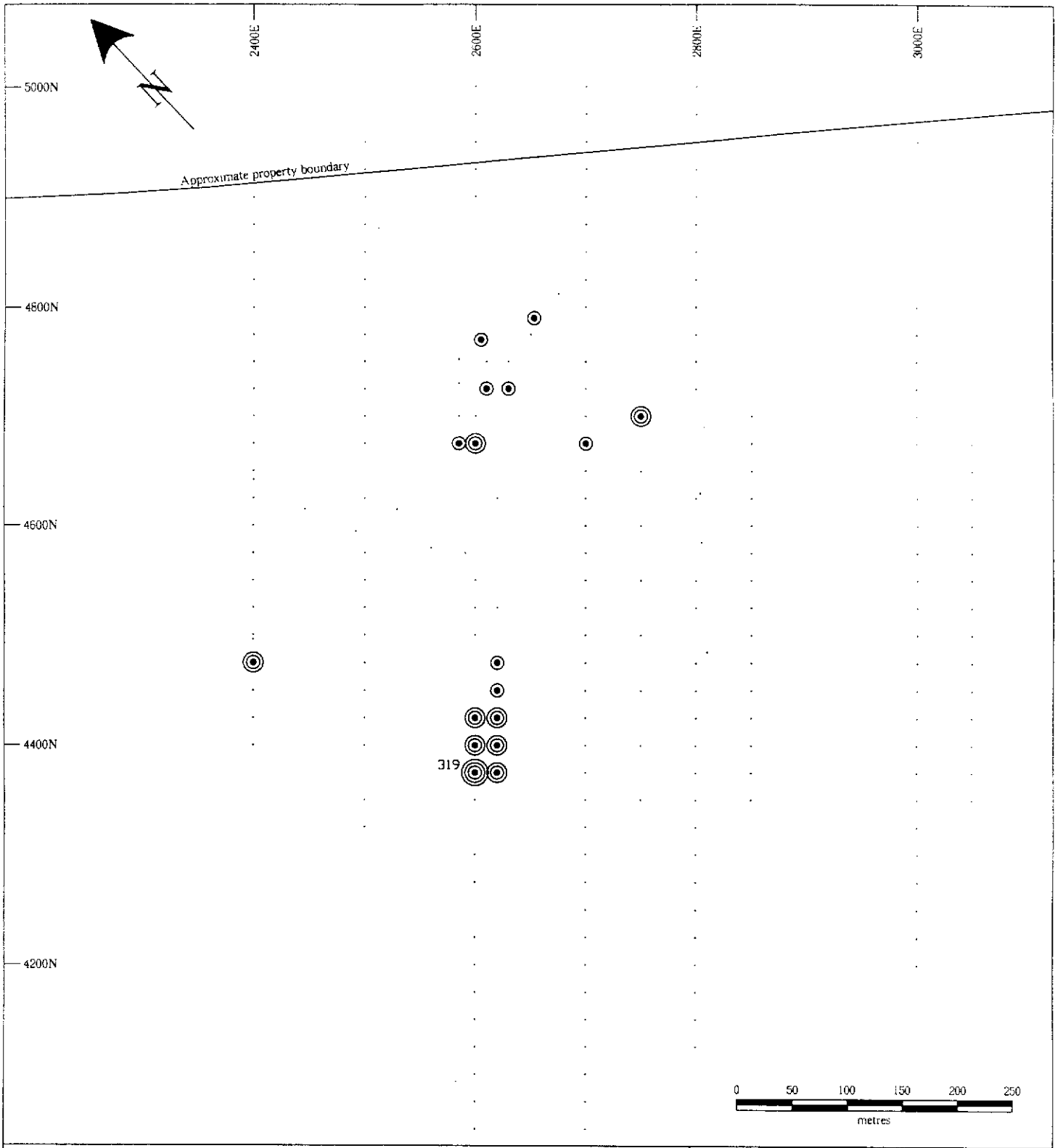
Antimony values (Figure 10) range up to 70 ppm. The Break Zone area is anomalous in antimony, and irregularly distributed anomalous values are located in the area of the Tree Zone and to the east. Comparable values were obtained in 1989 and 1996.

Anomalous bismuth values were obtained in 1996 (up to 6 ppm). The 1997 results (Figure 11) show that while bismuth values are somewhat elevated, anomalous values do not correspond well with areas of known bedrock mineralization and alteration.

The Break Zone and especially the Tree Zone are anomalous in nickel (Figure 12), with values ranging up to 3213 ppm. There are erratic low-order values present to the east, but no anomalous values west of Line 2600E.

Results for copper are plotted on Figure 13. Low order anomalous values are present at both the Break and Tree Zones, with an irregular anomalous distribution to the west.

The 1996 exploration work (Keyser, 1997) determined that mercury was present in anomalous concentrations (up to 3 ppm) in soil samples collected from the Break Zone area. Samples collected in 1997 were selectively analyzed for mercury, with results ranging up to 280 ppb (0.28 ppm; most 1997 samples returned <100 ppb Hg). Even though the samples were collected from the same area, the 1997 samples have a significant decrease in mercury concentrations as compared to the 1996 program. The



Legend

1997 soil sample location (-150 mesh)

- < 10 ppb Au
- 10 - 50 ppb Au
- 51 - 250 ppb Au
- > 250 ppb Au

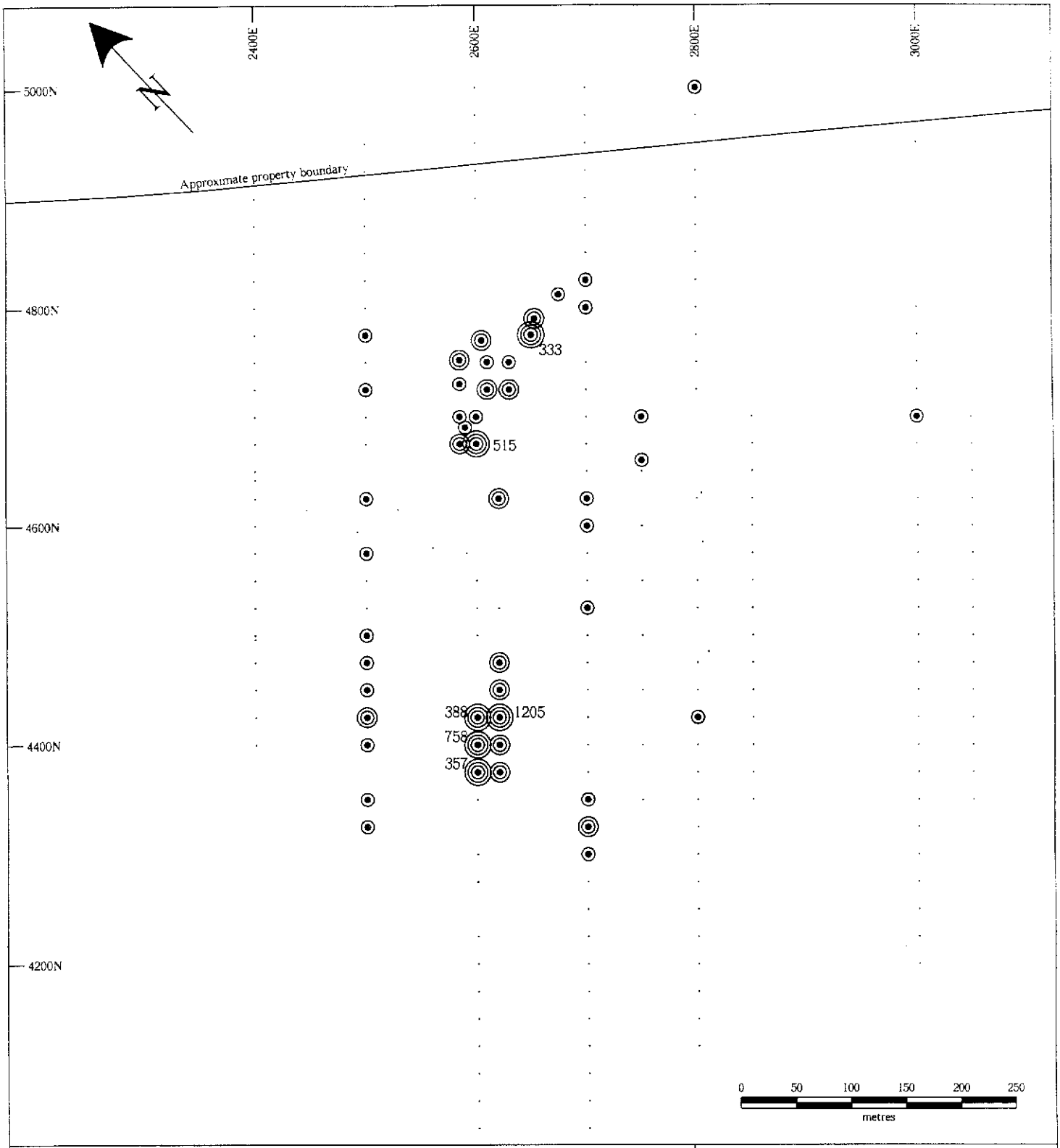
Radius Explorations Ltd.

Brik Property

1997 Soil Geochemistry

Au (ppb)

Scale 1:5000	January, 1998
NTS 116B/02	By D.J.P.	Figure 8



Legend

1997 soil sample location (-150 mesh)

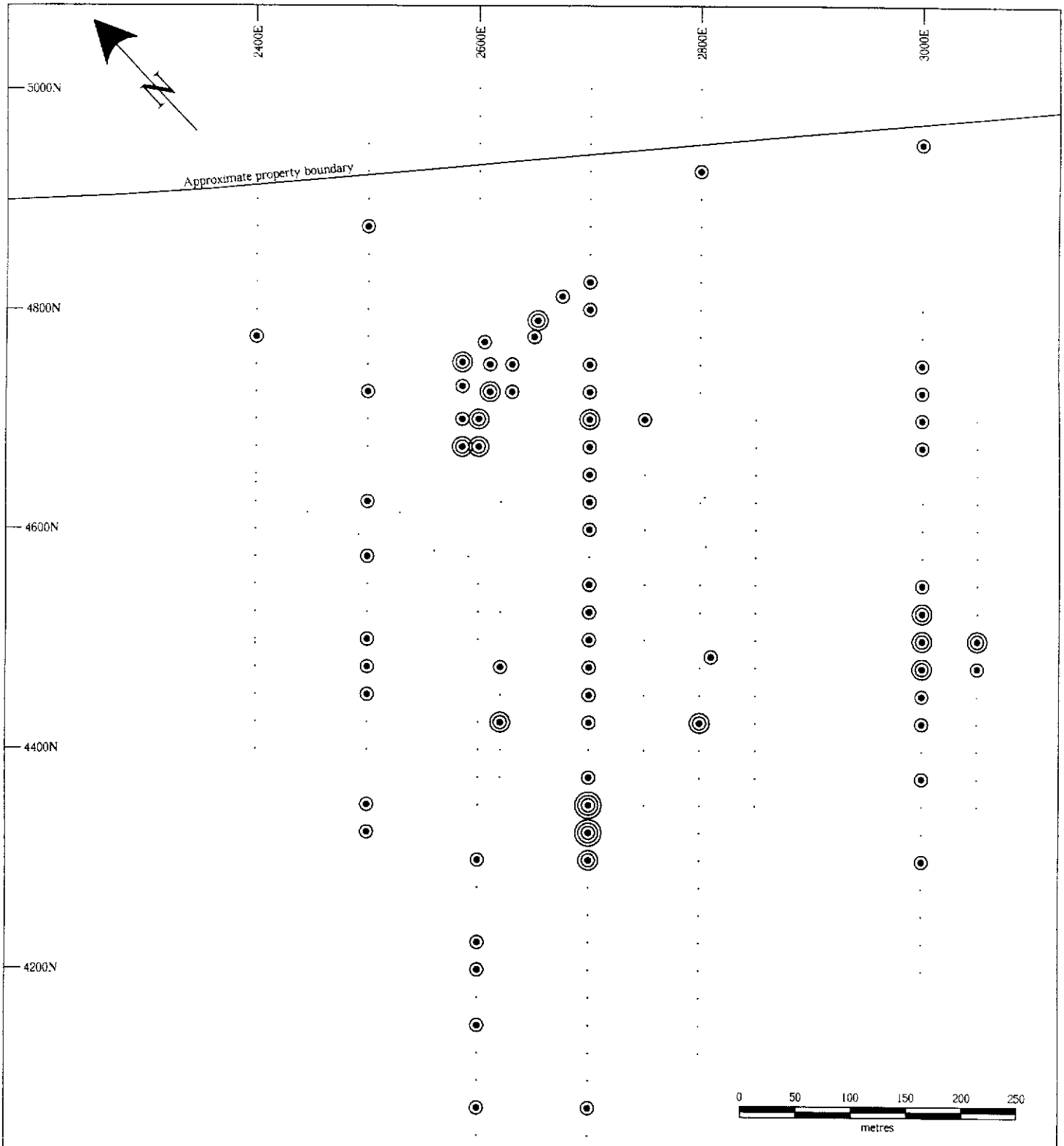
- < 25 ppm As
- 25 - 75 ppm As
- 76 - 300 ppm As
- > 300 ppm As

Radius Explorations Ltd.

Brik Property

1997 Soil Geochemistry
As (ppm)

Scale 1:5000		January, 1998
NTS 116B/02	By D.J.P.	Figure 9



Legend

1997 soil sample location (-150 mesh):

- 0-3 ppm Sb
- 4-7 ppm Sb
- 8-25 ppm Sb
- >26 ppm Sb

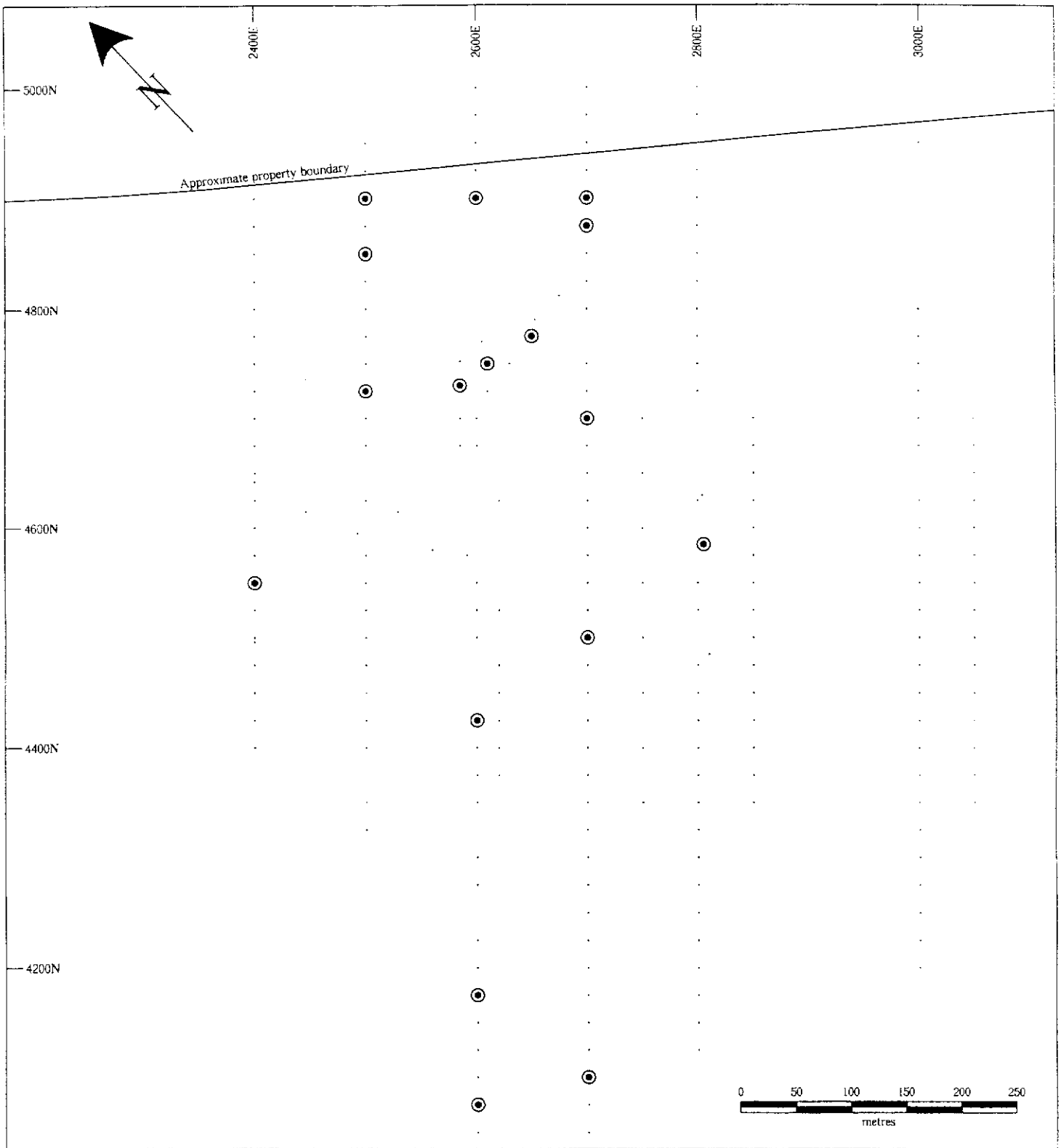
Radius Explorations Ltd.

Brik Property

1997 Soil Geochemistry

Sb (ppm)

Scale 1:5000	January, 1998
NTS 116B/02	By D.J.P.	Figure 10



Legend

1997 soil sample location (-150 mesh):

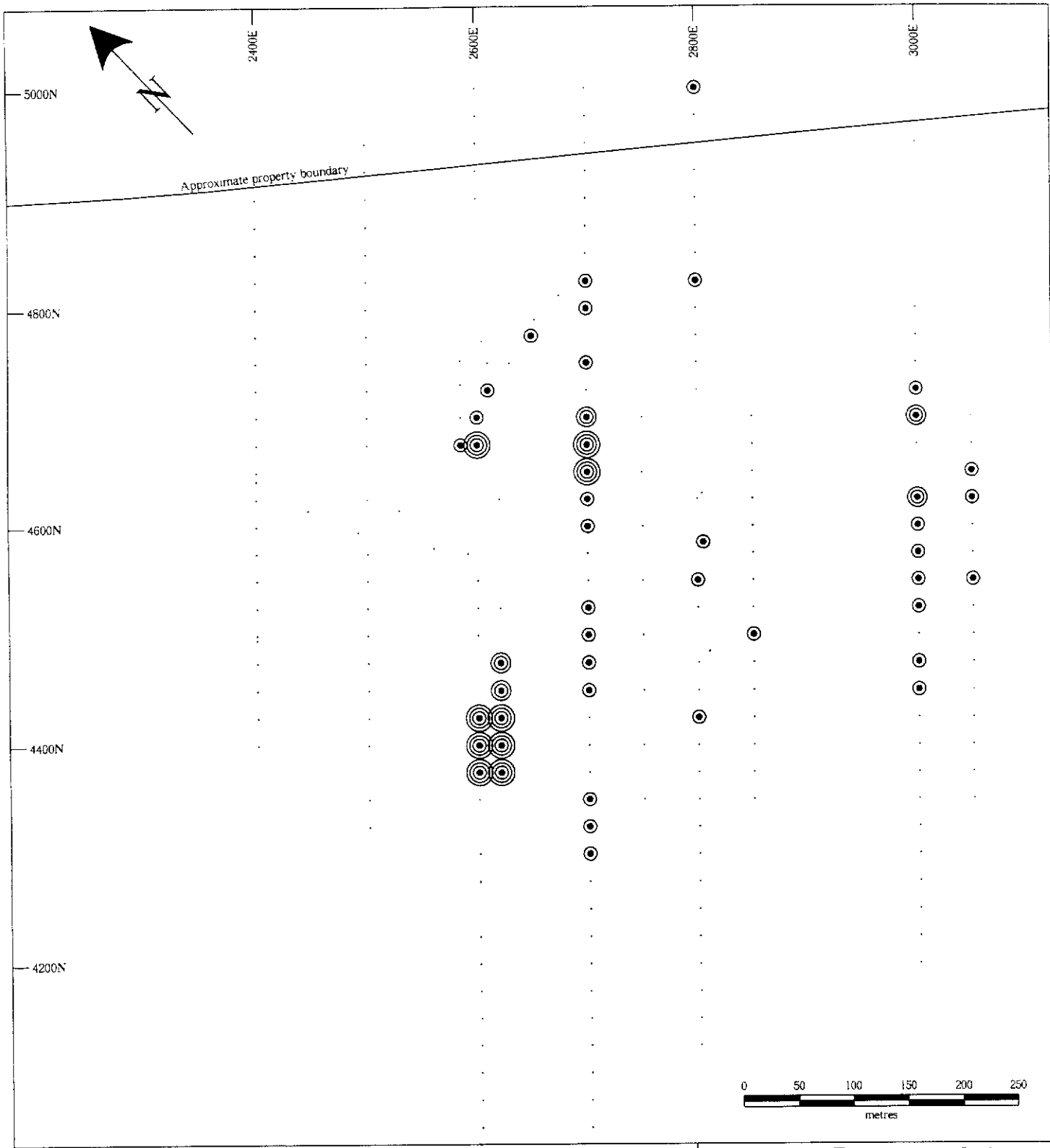
- < 3 ppm Bi
- 3 - 5 ppm Bi
- 6 - 20 ppm Bi
- > 20 ppm Bi

Radius Explorations Ltd.

Brik Property

1997 Soil Geochemistry
Bi (ppm)

Scale 1:5000	January, 1998	
NTS 116B/02	By D.J.P.	Figure 11



Legend

1997 soil sample location (-150 mesh):

- 0-80 ppm Ni
- 81-400 ppm Ni
- 401-1200 ppm Ni
- 1201-3213 ppm Ni

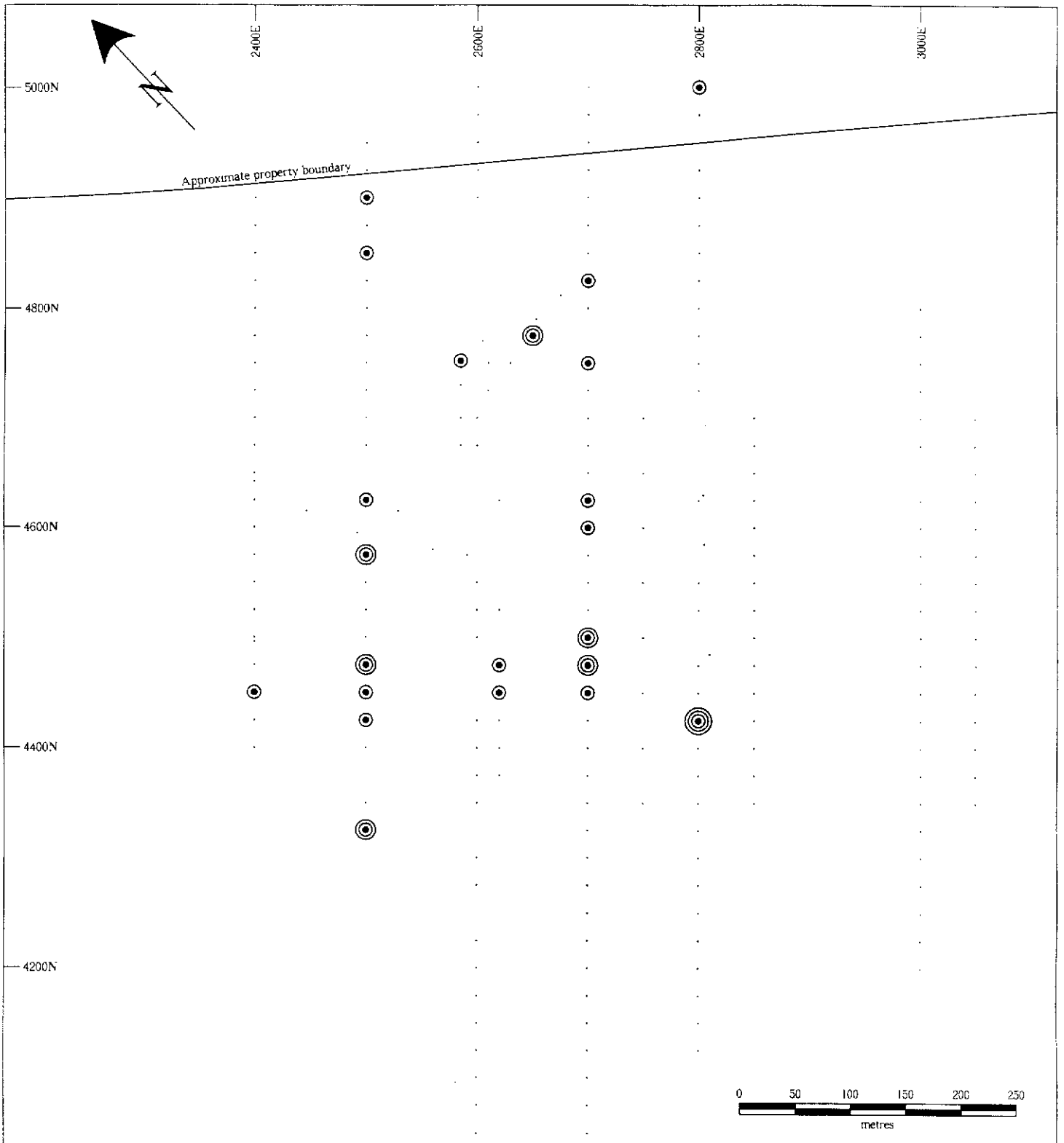
Radius Explorations Ltd.

Brik Property

1997 Soil Geochemistry

Ni (ppm)

Scale 1:5000	January, 1998	
NTS 116B/02	By H.J.K.	Figure 12



Legend

1997 soil sample location (-150 mesh)

0-35 ppm Cu

36-55 ppm Cu

56-80 ppm Cu

81-101 ppm Cu

Radius Explorations Ltd.
Brik Property

1997 Soil Geochemistry
Cu (ppm)

Scale 1:5000		January, 1998
NTS 116B/02	By H.J.K.	Figure 13

variance is attributed to different analytical techniques used to analyze mercury content in 1996 and 1997.

Fluorine levels from the 1997 soil samples returned anomalous values up to 950 ppm, which is very similar to the 1996 results. Not all of the samples were analyzed for fluorine, and it is not possible to correlate anomalous values with any specific area or underlying lithology.

Other elements of interest are calcium, cobalt, iron, chromium, and magnesium. Calcium is generally enriched in soil samples that are anomalous in gold, and the other four elements have a good positive correlation with nickel and copper, and are probably related to underlying ultramafic rocks.

Rock and soil samples collected from the Tertiary volcanic complex returned very low values in gold, arsenic, and antimony. This supports Noranda's inference (Diment, 1989) that the precious metal potential of the volcanic rocks is low. In contrast, both rocks and soils collected from (and over) older lithologies immediately east of the complex are enriched in gold, arsenic, and antimony.

GEOPHYSICS

Regional aeromagnetic mapping by the Geological Survey of Canada (GSC Map 4324G) shows that the dominant magnetic feature in the area of the Brik claims is a distinct magnetic high closely following the trend of the Tintina Fault. There is a potentially significant high-order magnetic low within the Tintina Trench, which closely coincides with the northern limit of Tertiary volcanics exposed on the Brik Property near the bottom of Germaine Creek. Total magnetic relief of this feature exceeds 600 gammas over a distance of 800 meters, resulting in a very high magnetic gradient.

In 1997, Amerok Geosciences Ltd. conducted a total field magnetic survey and a dipole-dipole induced polarization survey for Radius Explorations Ltd.

A magnetic survey was carried out on 29 kilometers of grid, centered approximately on the Break Zone (Figure 14). The magnetic results confirmed the high-order aeromagnetic low at the northwest part of the Property. Based on ground magnetic data, this feature has a relief of 2,000 gammas over a distance of only 1,000 meters. The low trends east-west, partly oblique to the trend of the Tintina Fault Zone. Several lower amplitude magnetic highs were defined at the southeastern part of the survey grid. The main high trends east-west, with some smaller highs closely associated with magnetite mineralization in silicified ultramafics at the Break and Tree Zones. A secondary northeast-trending high (Figure 15) was identified at the Break Zone on survey lines oriented grid east-west. Except for magnetite enrichment assumed to be restricted to ultramafics, there does not appear to be any magnetic variation between the three rock units exposed on the Property.

Induced polarization surveying using a dipole-dipole array was completed on four lines totaling 3.2 kilometers at the Break Zone area (Figure 16). Results of the survey show a

deep chargeability high on all four lines, located approximately between 4600 and 4700N. This location is coincident with weaker resistivity lows on all of the lines. Other chargeability anomalies are indicated, and are variably associated with resistivity anomalies.

CONCLUSIONS AND RECOMMENDATIONS

The Brik Property is underlain by a sequence of metasedimentary rocks and ultramafic rocks at the southwest margin of the Tintina Fault Zone. These rocks are intruded and/or overlain by a complex of Eocene felsic volcanic rocks including pyroclastics. The volcanic complex may represent an Eocene volcanic center.

The property is a low-sulfide, structurally-controlled epithermal and/or listwanite-hosted gold prospect. The area is covered with an all but continuous blanket of frozen alluvium, hindering exploration and data interpretation.

Exploration work carried out to date on the Brik Property has identified reproducible anomalous gold, arsenic, antimony, and fluorine concentrations primarily in soil at the limit of bedrock exposure adjacent to the Tintina Fault Zone. This area is coincident with the location of vegetation-free ground and iron carbonate altered serpentinite at the Break and Tree Zones. Mapping and sampling of bedrock was hampered because of excessive thick frozen overburden, but limited exposures in trenches showed variable silicification associated with secondary (?) magnetite carrying elevated, but sub-ore values in gold and arsenic. The highest gold values (up to 510 ppb) were obtained from quartz-ankerite veined, carbonate altered, gossanous ultramafic rock

While these data are characteristic of listwanite style gold mineralization, the ultramafic rocks are variably brecciated and healed by quartz-chalcedony-carbonate (fluorite) veinlets adjacent to altered Tertiary felsic volcanic rocks deposited in, or adjacent to, the Tintina Fault Zone. A very similar geological setting exists at Grew Creek. Both Grew Creek and Brik are located in areas of deep crustal fracturing and associated major Eocene bimodal intrusive-volcanic activity, suggestive of the possibility of structurally controlled, volcanic associated, epithermal gold mineralization. Even though Eocene volcanic rocks exposed on the Brik Property are extensively altered, very low geochemical results for gold and associated elements suggest there is little economic potential within the volcanics, at least at the eastern part of the complex.

Results of the 1997 geochemical exploration identified variably anomalous concentrations of gold, arsenic, antimony, bismuth, nickel, copper, and fluorine in the area of the Break Zone, which is located immediately adjacent to the volcanic rocks. Gold, arsenic, antimony, and fluorine anomalies are reproducible. The northern limit of the anomalous area coincides with the transition to thicker overburden in the Tintina Trench, and the southern and eastern limits coincide with thick frozen till deposits. The western limit of the anomaly is closely coincident with the assumed contact between ultramafic rocks and Eocene felsic volcanics. In the anomalous area, there is a good positive correlation between the distribution of gold, arsenic, antimony, and nickel, and cobalt, chromium, and nickel, and poor correlation between copper and nickel. The distribution of nickel in soil correlates well with areas assumed to be underlain by ultramafics. Elevated calcium levels in samples which are anomalous in gold suggest that gold mineralization is associated with carbonate alteration.

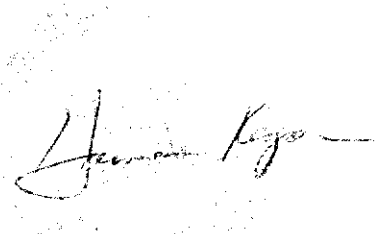
High order magnetic and induced polarization chargeability-resistivity anomalies closely coincide with the location of the gold, arsenic, and antimony anomalies at the Break and Tree Zones. Rare graphite in underlying schist at the Break Zone area makes the IP data somewhat inconclusive. However, the close coincidence of the IP anomaly with the location and orientation of the margin of the Tintina Fault Zone, known bedrock alteration and low grade mineralization, felsic volcanics, soil geochemical anomalies, and magnetic anomalies suggest that the IP anomaly is, at least in part, responding to structurally controlled bedrock gold/sulfide mineralization.

The Tintina Fault Zone is thought to be steeply dipping, and therefore potential mineralized structures associated with it on the Brik Property may likewise trend northwest and dip steeply. It is also possible that subhorizontal thrust faults that controlled emplacement of discontinuous ultramafic thrust sheets are mineralized. The close coincidence of a secondary northeast-trending magnetic anomaly with the location and orientation of vegetation-free ground within the Break Zone area is suggestive of a subsidiary northeast-trending bedrock structure, possibly related to the assumed ultramafic-volcanic contact.

Based on these results, further exploration work is warranted on the Brik Property. The following work is recommended:

1. Diamond drilling should test the coincident geological, geochemical, magnetic, and induced polarization anomalies at the Break and Tree Zones.
2. Locate and evaluate geochemically anomalous (Au and F) volcanic breccia identified in 1984 west of Germaine Creek.

Respectfully submitted,



Harmen J. Keyser, B.Sc., FGAC

REFERENCES

Archer, A.R., 1979: Assessment Report on Geology, Geochemistry, Radiometric Surveys conducted May 15 to July 30 and August 24 to September 21, 1978 on Surprize 1-219 claims. Assessment report 090448 by Archer, Cathro and Associates Ltd., February 15, 1979.

Archer, A.R., 1980: Radiometric Geochemical and Radon Soil Gas Survey, Surprize 1-225 claims. Assessment report 090556 by Archer, Cathro and Associates Ltd., January 15, 1980.

Cathro, R.J., 1985: Preliminary Geological Report, Acrete 1-14 Claims. Assessment report 091632 by Archer, Cathro and Associates Ltd., June 27, 1985.

Christie, A.B., J.L. Duke, and R. Rushton, 1992: Grew Creek Epithermal Gold-Silver Deposit, Tintina Trench, Yukon. In: Yukon Geology, vol. 3, DIAND, p. 223-259.

Debicki, R.L., 1984: Bedrock Geology and Mineralization of the Klondike area (west). DIAND Open File, scale 1:50,000.

Debicki, R.L., 1985: Bedrock Geology and Mineralization of the Klondike area (east). DIAND Open File, scale 1:50,000.

Diment, R.M., 1989: Geological and Geochemical Report on the Germ 1-10, 13-24, & Rabt 1-35 Claims, Germaine Creek Property. Assessment report by Noranda Exploration Co. Ltd., December, 1989.

Diment, R.M., 1996: Brewery Creek Gold Deposit. In: Yukon Exploration and Geology, 1995. DIAND, p. 57-66.

Duke, J.L. and C.I. Godwin, 1986: Geology and Alteration of the Grew Creek Epithermal Gold-Silver Prospect, South-central Yukon. In: Yukon Geology, vol. 1, DIAND, p. 72-82.

Gleeson, C.F., 1970: Heavy Mineral Studies in the Klondike Area, Yukon Territory. GSC Bulletin 173.

Green, L.H. and J.A. Roddick, 1963: Dawson, Larsen Creek, and Nash Creek map-areas, Yukon Territory. GSC Paper 62-7.

Hughes, O.L., 1987: Flat Creek Hill Section. In: Guidebook to Quaternary Research in Yukon, S.R. Morison and C.A.S. Smith, editors. XII INQUAA Congress, National Research Council of Canada, p. 61.

Jackson, L.E., S.P. Gordey, R.L. Armstrong, and J.E. Harakal, 1986: Bimodal Paleogene Volcanics near Tintina Fault, East-Central Yukon, and their Possible Relationship to Placer Gold. In: Yukon Geology, vol. 1, DIAND, p. 139-147.

Keyser, H.J., 1997: Report on the 1996 Geological and Geochemical Assessment Work on the Brik Property. Assessment report for Balaclava Mines Inc., August 25, 1997.

Mortensen, J.K., 1988: Geology of Southwestern Dawson Map-Area. GSC Open File, map 1927, 1:250,000.

Mortensen, J.K., 1990: Geology and U-Pb Geochronology of the Klondike District, West-central Yukon Territory. Canadian Journal of Earth Sciences, vol. 27, p. 903-914.

Mortensen, J.K., B.E. Nesbitt, and R. Rushton, 1992: Preliminary Observations on the Geology and Geochemistry of Quartz Veins in the Klondike District, West-central Yukon. In: Yukon Geology, Vol. 3, DIAND, p. 260-270.

Mortensen, J.K. and von Gaza, P., 1992: Application of Landsat TM Thermal Imagery to Structural Interpretations of the Tintina Trench in West-central Yukon. In: Yukon Geology, Volume 3, DIAND, p. 214-222.

Pride, M.J., 1988: Bimodal Volcanism along the Tintina Trench, near Faro and Ross River. In: Yukon Geology, Volume 2, DIAND, p. 69-80.

Roddick, J.A. and Green, L.H., 1961: Tay River, Yukon Territory, NTS 105K. GSC Map 13-1961, 1:250,000.

Tempelman-Kluit, D.J., 1981: White Channel Gravel of the Klondike. In: Yukon Exploration and Geology, 1981. DIAND, p. 74-79.

Vernon, P. and Hughes, O.L., 1966: Surficial Geology, Dawson, Larsen Creek, and Nash Creek Map-Areas. GSC Bulletin 136.

STATEMENT OF QUALIFICATIONS

I, Harmen J. Keyser, hereby certify that:

1. I am an independent consulting geologist with business address P.O. Box 5745, Whitehorse, Yukon Territory, Y1A 5L5.

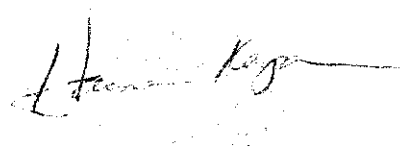
2. I am a graduate of Saint Mary's University, Halifax, with a degree in geology (B.Sc., 1981).

3. I have been employed as a geologist on a full-time and part-time basis since 1978.

4. I am a Fellow of the Geological Association of Canada (F3759).

5. I am the author of this report on the Brik Property, which is based on my personal supervision of exploration work carried out in 1997, and on data from referenced sources.

6. I own shares of Radius Explorations Ltd. and therefore this report is to be used to satisfy assessment requirements only.



January 25, 1998

Harmen J. Keyser, B.Sc., FGAC

STATEMENT OF COSTS

The following costs were incurred on the Brik 1-28 and Brik 29-66 claims during the 1997 assessment year, and are eligible for assessment credits under the Yukon Quartz Mining Act:

A. FIELD PERSONNEL

David Pass, B.Sc., Geologist, of Halifax, N.S.	
Sept. 15 - Oct. 20, 1997, 35 days @ $165.00/day:	$ 5775.00
Michael Glynn, Prospector, of Whitehorse, Yukon	
Sept. 8 - Oct. 15, 1997, 12 days @ $225/day:	2700.00
Harmen Keyser, B.Sc., FGAC, Geologist, of Whitehorse, Yukon	
Sept. 12 - Oct. 12, 1997, 5 days @ $350/day:	1750.00
Andre Jobin, Linecutter, of Whitehorse, Yukon	
Oct. 1 - 10, 1997, 10 days @ $250/day:	2500.00
Roger Voisine, Linecutter, of Whitehorse, Yukon	
Oct. 1 - 10, 1997, 10 days @ $250/day:	2500.00
Brad Whitehouse, Linecutter, of Dawson, Yukon	
Sept. 10 - Oct. 1, 1997, 10 days @ $250/day:	2500.00
Gerry Cousins, Linecutter, of Whitehorse, Yukon	
Oct. 1 - 10, 1997, 10 days @ $250/day:	2500.00
Martin Gauvreau, Linecutter, of Whitehorse, Yukon	
Oct. 1 - 10, 1997, 10 days @ $250/day:	2500.00
Scott Fleming, Sampler, of Dawson, Yukon	
Oct. 1 - 10, 1997, 8 days @ 150/day:	1200.00
William McIntyre, Prospector and Operator, of Dawson, Yukon	
Sept. 26 - Oct. 5, 1997, 10 days @ 250/day:	2500.00

B. SUPPORT COSTS

Meals and accommodations - Klondike River Lodge:	6109.99
Truck & equipment rental, fuel, supplies, communications:	1050.00
Geochemical analyses; 338 soil and 133 rock samples:	7670.28

C. CONTRACTORS

Amerok Geosciences Ltd.; IP and magnetic surveying:	14,390.00
Walton Geological Services; heavy mineral analysis:	100.00

Total 1997 assessment valuation: **$ 55,745.27**

(NET OF GST)

APPENDIX A

Analytical Reports

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Radius Explorations Ltd. PROJECT BRIK #1 File # 97-5585

855 - 409 Granville St., Vancouver BC V6C 1T2 Submitted by: Harmen Keyser

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	Hg ppb	F ppm
BMR 9701	1	10	<3	<1	<.3	1399	65	805	4.36	310	<8	<2	<2	312	.3	6	9	14	6.29	.001	<1	485	11.29	176	<.01	5	.04	.03	.01	2	8	125	240
BMR 9702	<1	7	<3	<1	<.3	1687	81	966	4.65	719	<8	<2	<2	13	<.2	3	5	17	.53	.002	<1	1196	14.27	104	<.01	18	.07	<.01	<.01	<2	4	25	170
BMR 9703	<1	12	<3	5	<.3	499	33	568	2.96	325	<8	<2	<2	288	.2	52	<3	40	7.84	.002	<1	345	6.75	70	<.01	<3	.39	<.01	.02	<2	3	10	180
BR 97-01	<1	5	<3	12	<.3	45	17	701	4.12	9	<8	<2	<2	133	<.2	6	<3	115	8.41	.007	1	70	3.84	59	.01	<3	.58	.02	.04	<2	1	365	200
RE BR 97-01	<1	2	<3	11	<.3	39	16	702	4.19	6	<8	<2	<2	135	.3	3	<3	116	8.51	.006	1	70	3.87	65	<.01	<3	.58	.01	.04	<2	1	370	210

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM) HG ANALYSIS BY FLAMELESS AA.
F - NaOH FUSION - SPECIFIC ION ELECTRODE ANALYSIS. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 22 1997 **DATE REPORT MAILED:** Oct 6/97 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data___ FA___

ACME ANALYTICAL LABORATORIES LTD. [redacted] E. HASTINGS ST. VANCOUVER BC [redacted] 1R6 PH[redacted](604) [redacted]3-3[redacted] FA[redacted](4)2[redacted]716

GEOCHEMICAL ANALYSIS CERTIFICATE

Radius Explorations Ltd. PROJECT BRIK #1 File # 97-5586 Page 1

855 - 409 Granville St., Vancouver BC V6C 1T2 Submitted by: Harmen Keyser

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	Hg ppb	F ppm
L2600E 5000N	1	21	11	62	.3	26	7	247	2.05	7	<8	<2	6	39	.4	<3	<3	41	.76	.070	15	27	.49	223	.05	3	1.18	.02	.10	<2	2	-	-
L2600E 4975N	1	17	11	45	.3	24	6	168	1.71	9	<8	<2	8	36	<.2	<3	<3	32	.46	.060	15	27	.43	223	.04	<3	1.06	.02	.11	<2	<1	30	820
L2600E 4950N	1	18	9	44	<.3	25	6	184	1.87	10	17	<2	6	28	<.2	<3	<3	37	.45	.065	14	25	.42	175	.04	3	.92	.02	.07	<2	5	-	-
L2600E 4925N	1	18	12	45	.3	33	8	207	2.14	14	18	<2	7	27	<.2	<3	<3	43	.38	.041	13	33	.48	188	.04	<3	1.23	.01	.08	<2	2	20	900
L2600E 4900N	1	14	6	35	<.3	24	7	122	1.69	6	<8	<2	5	22	<.2	<3	3	37	.31	.053	14	26	.44	209	.05	<3	.94	.02	.05	<2	1	-	-
L2600E 4700N	<1	5	<3	11	.3	334	38	405	4.25	44	<8	<2	<2	13	<.2	11	<3	109	.51	.016	3	223	2.17	59	.03	<3	2.04	<.01	.02	<2	3	65	270
L2600E 4675N	1	20	3	25	.7	1832	112	1346	7.05	515	14	<2	2	44	.2	15	<3	83	2.20	.041	4	968	4.64	169	.01	6	1.36	.01	.03	3	26	-	-
L2600E 4550N	1	32	11	56	<.3	41	12	699	2.62	12	13	<2	3	31	.2	<3	<3	55	.78	.049	18	31	.47	440	.05	<3	1.63	.01	.07	<2	2	50	660
L2600E 4525N	1	17	8	39	<.3	17	5	132	1.92	7	<8	<2	4	16	<.2	3	<3	46	.24	.020	16	22	.32	383	.04	<3	1.24	.01	.03	<2	3	-	-
L2600E 4500N	1	15	9	43	<.3	22	5	141	1.72	10	10	<2	2	29	.2	<3	<3	43	.69	.026	11	21	.38	261	.04	<3	1.19	.01	.04	<2	1	15	370
L2600E 4425N	<1	9	<3	13	.6	1968	101	817	4.95	388	12	<2	<2	33	.2	<3	3	21	2.84	.008	3	1027	5.07	102	<.01	3	.17	<.01	<.01	<2	35	-	-
L2600E 4400N	<1	21	<3	12	.6	2281	150	958	4.68	758	<8	<2	<2	23	<.2	<3	<3	18	1.69	.005	1	841	7.23	88	<.01	3	.13	<.01	<.01	<2	30	65	200
L2600E 4375N	<1	5	<3	6	.5	1754	131	758	3.18	357	12	<2	<2	36	<.2	<3	<3	11	3.62	.004	2	634	5.72	99	<.01	<3	.09	<.01	<.01	<2	319	-	-
L2600E 4350N	2	19	12	59	.3	27	7	161	2.65	11	<8	<2	4	13	.2	<3	<3	71	.17	.039	13	33	.35	192	.05	<3	1.62	.01	.06	<2	7	20	520
L2600E 4300N	2	31	13	88	.5	31	10	549	3.07	16	<8	<2	<2	25	.8	5	<3	74	.28	.119	15	33	.34	438	.03	<3	1.69	.01	.10	<2	3	-	-
L2600E 4275N	1	22	9	58	<.3	22	7	223	2.13	10	<8	<2	3	20	.3	<3	<3	53	.26	.041	14	26	.32	292	.04	<3	1.22	.01	.07	<2	2	20	560
L2600E 4225N	1	18	11	47	<.3	19	7	242	2.53	12	9	<2	3	16	<.2	4	<3	61	.15	.058	15	27	.34	265	.04	<3	1.51	.01	.08	<2	1	-	-
L2600E 4200N	1	28	10	50	.4	25	8	243	2.91	11	11	<2	4	14	<.2	4	<3	64	.12	.039	15	32	.38	272	.05	<3	1.78	.01	.08	<2	3	30	600
L2600E 4175N	1	17	11	42	<.3	22	8	222	2.69	8	9	<2	5	14	<.2	<3	3	64	.12	.018	15	35	.44	330	.05	<3	2.12	.01	.04	<2	3	-	-
L2600E 4150N	1	18	11	43	.3	22	8	512	2.72	9	<8	<2	4	16	<.2	4	<3	68	.16	.022	13	32	.39	313	.05	<3	1.93	.01	.04	<2	2	20	850
L2600E 4125N	1	19	13	49	.3	25	9	200	3.03	11	<8	<2	5	10	<.2	<3	<3	73	.08	.022	14	35	.41	249	.05	<3	2.43	.01	.05	<2	<1	-	-
L2600E 4100N	1	17	11	41	.4	20	8	174	2.62	9	<8	<2	5	12	<.2	3	<3	62	.10	.012	15	34	.43	251	.05	<3	2.01	.01	.03	<2	2	15	600
L2600E 4075N	1	18	10	35	<.3	21	8	180	2.37	8	<8	<2	4	17	<.2	4	<3	61	.20	.014	14	31	.40	369	.04	<3	1.91	.01	.04	<2	1	-	-
RE L2600E 4075N	1	18	9	35	<.3	20	7	182	2.38	7	<8	<2	4	17	<.2	3	3	61	.20	.014	14	32	.40	369	.05	<3	1.93	.01	.04	<2	1	-	-
L2600E 4050N	<1	22	9	38	<.3	17	6	133	1.99	7	<8	<2	4	16	<.2	<3	<3	44	.17	.023	16	26	.35	235	.05	<3	1.51	.01	.04	<2	2	15	460
L2700E 5000N	<1	16	6	40	<.3	30	7	184	1.53	5	<8	<2	5	27	<.2	3	<3	36	.50	.058	14	32	.56	182	.04	3	1.08	.02	.05	<2	2	-	-
L2700E 4975N	1	14	11	55	<.3	31	7	202	1.94	9	<8	<2	5	33	<.2	<3	<3	38	.54	.072	14	31	.55	185	.04	3	1.10	.02	.06	<2	2	25	720
L2700E 4950N	1	22	10	46	<.3	32	9	289	2.11	12	<8	<2	6	30	.2	<3	<3	42	.45	.063	16	29	.50	207	.05	<3	1.09	.02	.08	<2	1	-	-
L2700E 4925N	1	24	12	76	.3	31	10	404	2.63	11	10	<2	5	35	.7	3	<3	53	.63	.077	16	31	.58	327	.06	3	1.42	.02	.14	<2	2	15	700
L2700E 4900N	1	17	8	51	<.3	34	9	306	2.28	11	<8	<2	4	33	<.2	<3	4	51	.54	.053	14	32	.50	355	.05	<3	1.26	.02	.06	<2	<1	-	-
L2700E 4875N	1	17	8	51	<.3	43	9	255	2.45	12	<8	<2	4	26	<.2	<3	3	55	.41	.047	12	39	.51	349	.05	<3	1.32	.01	.06	<2	<1	85	400
L2700E 4850N	1	20	9	63	<.3	74	13	487	2.56	17	<8	<2	4	28	.2	<3	<3	54	.47	.052	14	52	.67	346	.05	3	1.43	.02	.07	<2	1	-	-
L2700E 4825N	3	46	13	77	.5	130	16	295	3.28	56	<8	<2	7	21	.2	4	<3	44	.41	.073	24	55	.68	183	.01	3	1.14	.01	.05	3	1	45	740
L2700E 4800N	<1	31	9	65	.3	196	25	629	3.87	34	<8	<2	4	31	<.2	5	<3	77	.55	.067	15	95	1.33	295	.05	3	1.92	.02	.06	<2	1	-	-
L2700E 4750N	<1	55	7	55	.3	112	19	627	2.57	12	11	<2	6	31	<.2	5	<3	25	1.45	.088	20	37	.56	175	<.01	3	.39	<.01	.06	<2	2	105	560
STANDARD C3/AU-S	26	64	35	147	5.8	36	12	726	3.32	51	27	4	19	29	22.9	18	25	83	.58	.092	19	166	.60	147	.10	19	1.93	.04	.17	20	45	970	-

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.
- SAMPLE TYPE: -150 SOIL AU* - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM) HG ANALYSIS BY FLAMELESS AA.
F - NaOH FUSION - SPECIFIC ION ELECTRODE ANALYSIS. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 22 1997 DATE REPORT MAILED: Oct 3/97 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data ___ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au 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	Hg ppb	F ppm
L2700E 4725N	1	17	27	34	<.3	69	9	311	1.11	9	<8	<2	14	22	<.2	4	<3	11	.50	.067	34	22	.26	143	<.01	3	.27	<.01	.07	<2	3	-	-
L2700E 4700N	<1	19	7	29	.3	970	52	542	3.57	14	<8	<2	3	12	<.2	8	3	38	.27	.025	10	437	3.01	211	.03	9	.93	.01	.04	<2	2	35	260
L2700E 4675N	<1	9	5	21	<.3	1223	59	393	3.36	17	<8	<2	3	9	<.2	4	<3	24	.34	.018	6	481	4.41	101	.02	15	.54	<.01	.03	<2	10	-	-
L2700E 4650N	<1	12	<3	15	<.3	1325	57	390	3.37	12	<8	<2	2	6	<.2	7	<3	20	.81	.013	5	480	4.48	80	.02	16	.39	<.01	.03	2	4	40	250
L2700E 4625N	1	51	48	72	.4	86	17	339	3.37	68	8	<2	8	29	.3	4	<3	59	.52	.083	22	58	.55	378	.04	<3	1.47	.01	.09	<2	3	-	-
L2700E 4600N	1	50	45	74	<.3	98	17	777	3.20	60	<8	<2	7	34	<.2	5	<3	39	.67	.103	22	48	.40	265	.01	<3	.90	<.01	.09	<2	2	65	950
RE L2700E 4575N	1	16	12	70	<.3	27	11	904	2.47	9	<8	<2	3	18	.5	3	<3	54	.38	.027	13	30	.42	250	.05	<3	1.58	.01	.11	<2	2	-	-
L2700E 4575N	1	17	11	73	<.3	28	12	927	2.53	8	<8	<2	4	19	.6	<3	<3	56	.39	.028	13	31	.43	258	.05	<3	1.65	.01	.11	<2	1	-	-
L2700E 4550N	1	18	10	39	<.3	29	9	197	2.33	10	9	<2	3	11	<.2	4	<3	53	.12	.026	14	32	.30	192	.05	<3	1.45	.01	.07	<2	2	<10	500
L2700E 4525N	1	41	50	61	<.3	117	19	507	3.34	70	<8	<2	6	23	<.2	5	<3	50	.45	.064	22	69	.76	346	.02	<3	1.33	.01	.08	<2	1	-	-
L2700E 4500N	<1	77	26	76	.4	99	27	426	4.46	18	<8	<2	6	26	<.2	5	3	94	.78	.109	26	98	.97	136	.01	<3	1.38	<.01	.09	<2	1	45	800
L2700E 4475N	<1	58	15	76	.6	99	29	988	4.17	11	<8	<2	7	38	<.2	4	<3	68	1.66	.104	27	71	1.28	142	<.01	<3	1.06	<.01	.10	<2	4	-	-
L2700E 4450N	1	43	13	62	.3	85	17	480	3.01	11	14	<2	5	48	<.2	4	<3	48	1.69	.107	27	60	.79	263	<.01	3	.87	.01	.10	<2	2	40	780
L2700E 4425N	1	18	24	29	<.3	68	9	352	1.84	12	<8	<2	5	38	<.2	4	<3	32	.88	.060	34	55	.69	377	.01	3	.93	.01	.22	<2	1	-	-
L2700E 4400N	1	21	10	46	<.3	55	9	255	2.39	10	<8	<2	3	19	<.2	<3	<3	55	.38	.039	15	51	.58	328	.03	<3	1.48	.01	.10	<2	1	25	520
L2700E 4375N	1	29	18	57	<.3	67	12	340	2.66	14	<8	<2	8	26	<.2	3	<3	51	.60	.054	27	53	.67	333	.02	<3	1.41	.01	.15	<2	3	-	-
L2700E 4350N	1	19	16	48	<.3	174	18	430	2.49	44	<8	<2	5	33	.3	9	<3	51	.94	.052	23	116	1.09	304	<.01	3	1.24	<.01	.16	<2	4	35	540
L2700E 4325N	1	27	15	64	<.3	242	23	593	3.23	127	<8	<2	5	49	.5	70	<3	58	1.70	.071	23	129	1.63	434	.01	3	1.23	.01	.16	<2	4	-	-
L2700E 4300N	1	25	14	41	<.3	205	20	407	2.85	66	<8	<2	5	37	<.2	21	<3	61	1.12	.069	25	150	1.51	333	<.01	3	1.35	<.01	.20	<2	3	35	580
L2700E 4275N	1	20	10	47	.3	22	7	239	2.56	10	<8	<2	3	13	<.2	<3	<3	66	.17	.067	13	31	.32	232	.05	<3	1.66	.01	.10	<2	1	-	-
L2700E 4250N	1	17	9	43	<.3	18	7	218	2.30	9	<8	<2	2	13	<.2	<3	<3	56	.13	.071	13	24	.25	304	.04	<3	1.33	.01	.07	<2	2	20	480
L2700E 4225N	1	33	12	56	<.3	32	10	230	3.13	15	<8	<2	6	16	<.2	3	<3	70	.13	.039	13	38	.53	395	.05	<3	2.15	.01	.08	<2	3	-	-
L2700E 4200N	1	21	11	56	.3	26	9	474	2.98	12	<8	<2	5	17	<.2	<3	<3	68	.16	.051	12	36	.44	372	.05	<3	2.13	.01	.08	<2	2	20	520
L2700E 4175N	1	13	11	41	<.3	22	8	351	2.63	11	<8	<2	4	17	<.2	3	<3	64	.16	.020	13	33	.41	453	.05	<3	2.08	.01	.05	<2	2	-	-
L2700E 4150N	1	14	10	45	<.3	24	8	188	2.81	9	13	<2	4	15	<.2	<3	<3	71	.14	.022	14	32	.39	431	.05	<3	2.27	.01	.05	<2	2	25	460
L2700E 4125N	1	16	11	37	<.3	19	9	253	2.41	9	9	<2	4	11	<.2	3	<3	65	.10	.019	13	29	.33	269	.05	<3	2.02	.01	.04	<2	2	-	-
L2700E 4100N	1	18	9	36	<.3	19	7	163	2.44	9	<8	<2	5	14	<.2	3	3	59	.13	.013	12	30	.38	288	.05	<3	1.79	.01	.04	<2	1	<10	640
L2700E 4075N	1	16	8	30	<.3	16	6	126	1.89	7	10	<2	4	12	<.2	4	<3	42	.10	.010	12	24	.33	224	.04	<3	1.34	.01	.04	<2	1	-	-
L2700E 4050N	<1	22	10	37	<.3	20	7	146	2.35	10	<8	<2	5	16	<.2	3	<3	53	.17	.013	18	29	.40	307	.05	<3	1.66	.01	.04	<2	1	25	460
L2700E 4025N	1	22	12	37	<.3	18	6	122	2.40	7	12	<2	4	19	<.2	<3	<3	54	.22	.038	15	29	.33	289	.04	<3	1.93	.01	.06	<2	1	-	-
L2700E 4000N	<1	10	7	26	<.3	9	3	74	1.36	4	10	<2	5	15	<.2	<3	<3	34	.21	.041	14	19	.26	160	.04	<3	1.09	.01	.04	<2	8	<10	560
L2800E 5000N	1	41	14	75	<.3	104	14	361	2.86	27	9	<2	6	36	.7	3	<3	57	.66	.072	18	50	.70	599	.04	<3	1.67	.02	.07	<2	2	-	-
L2800E 4975N	<1	31	14	59	<.3	68	10	251	2.07	9	<8	<2	6	32	<.2	3	<3	55	.60	.061	18	51	.72	342	.05	<3	1.58	.02	.08	<2	2	30	600
L2800E 4925N	<1	25	9	77	<.3	74	11	286	2.46	14	8	<2	4	33	.3	4	<3	49	.68	.069	15	44	.79	221	.05	3	1.32	.02	.07	<2	2	-	-
L2800E 4900N	<1	13	8	55	<.3	58	9	269	2.08	22	8	<2	3	31	<.2	<3	<3	41	.66	.075	15	37	.58	186	.04	<3	1.05	.02	.06	<2	8	25	500
STANDARD C3/AU-S	26	63	34	143	5.7	35	12	725	3.34	51	22	3	19	29	23.3	19	22	84	.57	.091	19	167	.60	148	.10	19	1.94	.04	.17	21	44	920	-

Sample type: -150 SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data ✓ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Radius Explorations Ltd. PROJECT BRIK #2 File # 97-5946 Page 1

855 - 409 Granville St., Vancouver BC V6C 1T2 Submitted by: Harmen Keyser

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
L3000E 4950N	1	27	19	74	.4	50	11	347	2.74	15	10	<2	7	54	.3	4	<3	46	.77	.068	26	44	.61	370	.05	7	1.40	.02	.11	<2	<1
L3000E 4800N	1	18	8	57	<.3	33	13	396	2.71	10	<8	<2	<2	37	.2	<3	<3	57	.86	.061	11	37	.71	263	.04	3	1.35	.01	.06	<2	<1
L3000E 4775N	<1	18	6	48	<.3	45	15	389	3.22	13	<8	<2	2	33	<.2	3	<3	68	.80	.067	14	48	.82	273	.04	5	1.32	.01	.05	<2	6
L3000E 4750N	1	18	4	46	.4	47	15	396	3.17	11	15	<2	3	31	.2	5	<3	65	.74	.051	12	55	.79	215	.03	9	1.38	.01	.06	<2	<1
L3000E 4725N	<1	16	<3	38	<.3	81	26	647	4.50	18	<8	<2	<2	38	.2	4	<3	88	1.09	.048	7	67	1.10	319	.01	<3	1.66	.01	.04	<2	1
L3000E 4700N	<1	11	<3	21	<.3	1024	19	292	3.88	25	<8	<2	<2	735	.2	4	<3	57	7.93	.055	5	51	.89	504	.01	<3	1.18	.02	.03	<2	<1
L3000E 4675N	<1	3	<3	14	<.3	384	28	471	4.56	14	<8	<2	<2	201	<.2	6	<3	100	3.14	.018	1	118	2.41	162	<.01	3	2.02	.01	.06	<2	<1
L3000E 4625N	<1	11	<3	14	.5	656	56	678	4.71	7	14	2	2	32	<.2	<3	<3	106	1.29	.016	2	337	5.37	199	.02	9	2.35	.01	.02	<2	<1
L3000E 4600N	<1	<1	<3	14	<.3	142	32	662	4.76	3	<8	<2	<2	49	<.2	<3	<3	137	3.23	.017	1	151	3.94	197	<.01	<3	3.02	<.01	.03	<2	<1
L3000E 4575N	<1	26	11	50	<.3	139	18	278	3.26	19	<8	<2	2	32	<.2	3	<3	69	.83	.040	17	92	1.30	293	.05	<3	1.76	.01	.08	<2	1
L3000E 4550N	1	8	3	17	.3	465	42	575	4.99	6	<8	3	<2	31	<.2	5	<3	142	2.16	.019	1	358	5.33	106	.01	3	3.26	<.01	.04	2	<1
L3000E 4525N	<1	2	<3	12	.5	179	33	670	4.70	10	11	<2	2	52	<.2	15	<3	116	3.73	.015	2	157	4.01	212	<.01	7	2.41	<.01	.05	<2	<1
L3000E 4500N	<1	2	<3	11	<.3	178	41	797	4.88	23	<8	<2	<2	70	<.2	9	<3	86	3.88	.021	1	135	2.63	147	<.01	<3	1.18	.01	.09	<2	2
L3000E 4475N	<1	1	<3	12	<.3	88	32	643	4.77	15	<8	<2	<2	36	<.2	9	<3	101	2.33	.015	2	97	2.29	109	<.01	5	1.88	<.01	.08	<2	1
RE L3000E 4400N	<1	30	12	58	.3	27	9	274	2.59	11	12	<2	5	28	<.2	3	<3	54	.42	.044	20	33	.45	403	.06	8	1.67	.02	.07	<2	1
L3000E 4450N	<1	<1	<3	9	<.3	107	39	669	4.04	19	<8	<2	<2	73	<.2	6	<3	76	3.93	.015	1	58	1.99	74	<.01	<3	.55	<.01	.07	<2	<1
L3000E 4425N	<1	<1	<3	11	<.3	74	20	401	3.44	4	<8	<2	<2	28	<.2	4	<3	96	1.95	.019	1	126	2.00	98	<.01	<3	1.95	<.01	.02	<2	<1
L3000E 4400N	<1	32	9	59	<.3	27	9	263	2.61	11	<8	<2	5	28	<.2	3	<3	54	.42	.043	19	31	.45	411	.06	5	1.66	.02	.06	<2	1
L3000E 4375N	1	29	11	58	<.3	26	10	310	2.61	10	13	<2	6	27	<.2	4	<3	57	.39	.043	20	34	.45	376	.07	8	1.70	.01	.06	<2	1
L3000E 4350N	<1	22	9	52	<.3	23	8	174	2.45	10	<8	<2	2	24	<.2	<3	<3	55	.36	.026	16	31	.44	378	.05	<3	1.64	.02	.05	<2	1
L3000E 4325N	2	30	12	75	<.3	24	8	229	2.53	14	<8	<2	4	30	<.2	3	<3	40	.39	.071	22	27	.42	462	.05	4	1.13	.02	.04	<2	<1
L3000E 4300N	<1	29	13	61	.4	23	9	216	2.26	9	13	<2	5	24	<.2	4	<3	55	.27	.034	22	34	.43	434	.05	8	1.55	.01	.06	<2	1
L3000E 4275N	1	15	9	43	<.3	18	7	159	2.16	7	<8	<2	<2	18	<.2	<3	<3	54	.20	.076	15	29	.36	230	.04	<3	1.43	.01	.07	<2	<1
L3000E 4250N	1	22	9	40	.4	22	8	177	2.24	10	<8	<2	4	15	<.2	3	<3	52	.16	.027	15	35	.37	282	.04	7	1.55	.01	.05	<2	8
L3000E 4225N	1	22	12	41	<.3	18	7	219	2.23	11	12	<2	3	15	<.2	3	<3	55	.13	.026	17	33	.35	305	.04	6	1.52	.01	.05	<2	1
L3000E 4200N	1	28	11	58	<.3	28	11	224	2.70	11	<8	<2	3	16	<.2	<3	<3	61	.12	.032	15	35	.40	365	.04	<3	1.91	.01	.08	<2	1
L2620E 4625N	1	28	14	61	<.3	78	11	176	2.71	167	<8	<2	3	25	<.2	3	<3	56	.56	.038	18	45	.58	338	.05	<3	1.73	.01	.07	<2	3
L2620E 4525N	<1	20	9	47	.5	27	9	346	2.18	15	<8	<2	5	18	<.2	<3	<3	46	.44	.026	15	32	.44	294	.05	8	1.45	.01	.05	<2	1
L2620E 4475N	<1	49	<3	58	<.3	1037	73	671	4.58	254	<8	3	<2	23	<.2	7	<3	69	1.36	.124	18	410	3.28	78	.03	4	1.94	<.01	.05	<2	12
L2620E 4450N	<1	39	4	59	<.3	1018	68	801	5.18	259	<8	<2	<2	23	<.2	<3	<3	78	1.36	.126	18	392	3.50	94	.02	<3	2.10	<.01	.05	<2	11
L2620E 4425N	<1	11	<3	5	<.3	1620	121	430	1.75	1205	<8	3	<2	16	.2	14	<3	12	1.38	.002	<1	764	2.76	67	<.01	<3	.13	<.01	<.01	<2	39
L2620E 4400N	<1	9	4	18	.6	3213	173	1269	6.75	97	<8	4	<2	22	.2	<3	<3	19	1.42	.006	1	905	6.41	141	<.01	7	.18	<.01	.01	<2	48
L2620E 4375N	<1	9	<3	14	.5	2348	127	910	5.34	96	<8	<2	<2	13	.2	<3	<3	12	1.14	.003	<1	621	5.12	110	<.01	6	.10	<.01	.01	<2	53
L2500E 4950N	1	15	14	46	<.3	33	8	315	1.60	10	<8	<2	5	33	<.2	<3	<3	31	.55	.044	13	26	.40	124	.04	<3	.91	.02	.09	<2	5
L2500E 4925N	1	18	11	45	<.3	23	6	160	1.84	11	<8	<2	4	24	<.2	<3	<3	35	.34	.033	14	24	.34	134	.05	<3	1.04	.01	.08	<2	1
STANDARD C3/AU-S	25	69	36	162	5.3	39	13	789	3.53	57	17	3	17	30	23.5	20	20	85	.61	.086	21	183	.61	147	.11	18	1.95	.04	.16	18	46
STANDARD G-1	<1	4	5	37	<.3	7	5	506	2.00	<2	<8	<2	4	76	<.2	<3	<3	40	.69	.092	11	22	.54	214	.14	<3	.96	.09	.45	5	<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.
- SAMPLE TYPE: -150 SOIL AU* - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 7 1997 **DATE REPORT MAILED:** Oct 17/97 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data ✓ FA ____

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au 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
L2500E 4900N	1	41	27	64	.5	32	5	170	1.42	10	14	<2	19	34	.6	3	3	24	.52	.038	37	28	.37	192	.01	8	1.42	.04	.10	<2	<1
L2500E 4875N	1	12	31	26	.7	6	2	86	.25	6	<8	<2	24	43	.2	4	<3	3	.47	.010	17	8	.19	219	<.01	6	1.61	.24	.94	<2	<1
L2500E 4850N	1	37	102	64	.6	24	5	380	.80	9	38	<2	56	22	1.9	3	5	9	.69	.030	64	23	.39	40	<.01	10	1.68	.12	.41	<2	2
L2500E 4825N	1	10	30	51	<.3	8	2	176	.43	6	<8	<2	13	60	.2	<3	<3	5	.61	.010	8	9	.26	82	<.01	<3	1.94	.13	.95	<2	1
L2500E 4800N	2	32	27	71	<.3	29	6	207	1.69	12	<8	<2	18	28	.4	<3	<3	19	.35	.032	29	41	.48	114	.01	<3	1.40	.03	.16	<2	3
L2500E 4775N	2	22	17	56	.3	31	10	321	2.81	29	<8	<2	14	27	.2	<3	<3	43	.40	.038	21	39	.53	199	.02	5	1.46	.03	.07	2	2
L2500E 4750N	1	31	19	56	<.3	29	7	159	1.97	15	<8	<2	11	27	.3	<3	<3	41	.37	.038	22	30	.47	212	.03	<3	1.40	.03	.06	<2	1
L2500E 4725N	3	23	27	59	.6	29	10	335	2.42	26	<8	<2	14	28	.3	4	<3	42	.47	.043	21	37	.50	234	.03	8	1.49	.03	.06	2	<1
RE L2500E 4725N	2	25	22	60	.5	30	11	345	2.48	27	<8	<2	15	29	.2	3	3	43	.48	.044	21	36	.51	239	.03	8	1.52	.04	.06	<2	2
L2500E 4700N	2	26	15	66	<.3	33	8	230	2.34	21	<8	<2	2	24	<.2	<3	<3	38	.50	.060	24	28	.40	216	.03	<3	1.42	.01	.05	<2	<1
L2500E 4675N	1	27	12	67	<.3	33	8	205	2.12	22	<8	<2	2	22	.2	<3	<3	33	.43	.055	26	25	.36	174	.03	<3	1.16	.01	.05	2	<1
L2500E 4625N	3	55	15	82	<.3	78	13	274	3.48	52	<8	<2	<2	23	.5	5	<3	44	.41	.082	28	41	.64	195	.01	<3	1.21	.01	.03	3	2
L2500E 4575N	5	59	18	111	.4	107	20	787	3.97	60	<8	<2	4	22	.7	7	<3	41	.35	.078	33	41	.57	172	.01	5	1.16	.01	.05	3	2
L2500E 4550N	2	25	12	69	.4	27	10	268	2.40	11	<8	<2	5	22	.2	3	<3	47	.32	.053	21	31	.42	298	.05	8	1.45	.01	.06	<2	<1
L2500E 4525N	1	25	13	56	<.3	20	7	158	2.16	8	<8	<2	<2	21	<.2	<3	<3	50	.29	.037	21	27	.38	360	.06	<3	1.64	.01	.05	<2	<1
L2500E 4500N	1	31	9	57	<.3	162	27	422	3.71	33	<8	<2	2	17	.3	6	<3	73	.32	.031	14	123	1.61	198	.03	<3	2.20	.01	.06	<2	5
L2500E 4475N	4	72	16	98	.4	110	20	368	3.74	63	<8	<2	6	19	.2	5	<3	42	.30	.076	31	43	.59	161	.01	5	1.11	<.01	.04	2	1
L2500E 4450N	4	43	15	96	.7	94	15	561	3.23	53	<8	<2	4	28	.4	5	<3	38	.40	.073	31	30	.32	330	.03	8	1.29	.01	.06	2	<1
L2500E 4425N	2	43	5	74	<.3	342	36	605	4.38	184	<8	<2	<2	33	.4	3	<3	68	1.54	.086	19	235	2.39	102	.01	<3	1.45	<.01	.07	<2	2
L2500E 4400N	1	47	6	63	<.3	155	29	553	3.91	45	<8	<2	<2	32	<.2	<3	<3	52	2.02	.286	33	44	1.37	50	<.01	<3	.76	<.01	.07	<2	<1
L2500E 4350N	<1	16	3	27	<.3	157	33	540	4.58	59	<8	<2	3	17	.3	4	<3	101	.93	.025	6	138	2.63	88	<.01	4	2.72	<.01	.06	<2	1
L2500E 4325N	6	72	19	114	.7	100	14	240	3.95	71	<8	<2	6	16	.6	5	<3	34	.13	.063	34	29	.29	83	.01	5	.82	.01	.06	8	2
L2400E 4900N	1	30	13	73	<.3	34	10	352	2.29	13	<8	<2	3	51	.3	<3	<3	46	1.67	.078	18	24	.67	281	.06	<3	1.02	.03	.11	<2	2
L2400E 4875N	3	31	25	80	.4	30	7	194	1.76	17	<8	<2	18	31	.2	3	<3	17	.40	.044	28	28	.38	137	.01	3	1.21	.04	.20	2	<1
L2400E 4850N	2	31	59	68	.3	29	7	281	1.40	14	<8	<2	15	30	.5	<3	<3	8	.58	.025	27	22	.34	67	<.01	6	1.40	.14	.30	<2	2
L2400E 4825N	1	15	37	44	<.3	9	2	98	.80	6	<8	<2	19	23	<.2	<3	<3	5	.28	.017	17	13	.31	60	<.01	<3	1.39	.26	.50	<2	1
L2400E 4800N	3	22	12	51	<.3	20	4	112	1.20	14	<8	<2	11	14	<.2	<3	<3	11	.20	.062	26	41	.38	26	<.01	3	.79	.01	.07	<2	2
L2400E 4775N	3	19	46	62	.7	9	3	107	.69	10	<8	<2	35	33	<.2	4	<3	5	.39	.016	20	18	.33	84	<.01	7	1.83	.26	.65	<2	1
L2400E 4750N	2	21	25	55	.4	22	4	127	1.04	12	<8	<2	17	16	<.2	<3	<3	9	.21	.028	21	34	.36	38	<.01	7	1.13	.12	.29	<2	1
L2400E 4725N	1	12	22	78	<.3	13	3	116	.64	9	<8	<2	12	20	.2	<3	<3	4	.37	.004	11	21	.30	36	<.01	<3	1.80	.11	.55	<2	2
L2400E 4700N	4	30	27	85	<.3	33	10	305	2.00	17	<8	<2	12	26	.2	<3	<3	14	.27	.040	31	40	.40	88	<.01	<3	1.09	.07	.13	<2	<1
L2400E 4675N	4	25	36	73	.5	29	6	304	1.22	13	<8	<2	15	27	.4	<3	<3	10	.52	.046	28	22	.33	110	<.01	7	.98	.16	.21	<2	<1
L2400E 4650N	4	28	30	82	<.3	34	9	314	1.82	19	<8	<2	15	26	<.2	<3	<3	14	.40	.053	31	34	.42	91	<.01	5	1.05	.05	.16	<2	<1
L2400E 4625N	1	8	53	23	<.3	5	1	67	.17	4	<8	<2	16	73	.2	<3	<3	3	.43	.008	14	5	.16	453	<.01	<3	1.37	.50	.65	<2	1
L2400E 4600N	2	11	65	106	<.3	11	2	117	.67	9	31	<2	44	41	.4	<3	<3	5	.90	.009	17	12	.27	149	.01	5	2.29	.71	.61	2	<1
STANDARD C3/AU-S	24	70	39	156	5.4	39	13	745	3.38	55	18	2	16	29	22.5	17	19	83	.58	.083	20	172	.59	142	.11	18	1.90	.04	.16	18	45
STANDARD G-1	1	4	3	43	<.3	8	5	531	2.06	<2	<8	<2	2	77	<.2	<3	<3	44	.70	.092	10	17	.58	226	.15	<3	1.02	.10	.47	5	<1

Sample type: -150 SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data f FA ____

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
L2400E 4592N	1	7	33	105	<.3	18	2	60	1.40	8	<8	<2	34	20	.3	<3	<3	4	.51	.011	17	7	.34	84	<.01	3	1.72	.65	.58	2	<1
L2400E 4575N	<1	5	43	72	<.3	10	1	64	.56	<2	9	<2	7	21	.2	<3	<3	2	.31	.006	7	18	.20	36	<.01	<3	1.18	.15	.58	2	<1
L2400E 4550N	1	13	41	78	<.3	22	4	99	1.06	11	13	<2	38	27	.2	<3	3	12	.42	.021	18	27	.42	81	.01	<3	1.14	.22	.30	3	3
L2400E 4525N	2	23	20	60	<.3	41	10	181	2.51	14	<8	<2	7	37	.2	<3	<3	40	.33	.017	12	49	.74	517	.02	<3	1.44	.14	.19	<2	<1
L2400E 4500N	1	11	40	67	<.3	16	4	95	.99	5	17	<2	16	32	.3	<3	<3	14	.38	.011	10	25	.47	71	.01	<3	1.09	.13	.41	2	<1
L2400E 4496N	1	19	45	95	<.3	29	5	99	1.14	12	17	<2	42	36	.2	<3	<3	12	.51	.023	21	30	.50	129	.01	<3	1.28	.16	.34	2	<1
L2400E 4475N	2	19	10	45	<.3	18	6	117	2.25	11	<8	<2	<2	14	.2	<3	<3	49	.17	.034	13	24	.26	225	.05	<3	1.04	.01	.12	<2	73
L2400E 4450N	1	40	40	66	<.3	49	14	242	2.62	17	19	<2	81	24	.4	<3	<3	44	.37	.022	40	52	.91	26	.01	<3	1.59	.12	.25	2	1
L2400E 4425N	2	29	12	71	<.3	28	9	178	2.52	10	<8	<2	3	12	.3	<3	<3	58	.15	.037	16	35	.35	198	.04	<3	1.43	.01	.08	<2	1
L2400E 4400N	2	34	12	84	<.3	29	8	283	2.33	9	<8	<2	4	26	.5	<3	<3	46	.31	.085	20	23	.31	305	.04	<3	.87	.01	.06	<2	1
L1400E 3950N	2	36	14	66	<.3	42	11	322	2.77	12	9	<2	3	35	.5	<3	<3	37	.55	.048	23	41	.49	303	.02	<3	1.35	.01	.06	<2	2
L1400E 3900N	4	40	12	76	<.3	69	11	186	3.11	19	<8	<2	5	26	.4	<3	<3	23	.31	.060	29	60	.51	133	.01	<3	1.07	.01	.04	<2	2
L1400E 3850N	2	46	14	75	<.3	54	15	245	2.95	17	<8	<2	4	26	.5	<3	<3	36	.33	.061	27	42	.48	242	.03	<3	1.26	.01	.05	<2	3
RE L1400E 3850N	3	43	13	71	<.3	51	14	232	2.82	15	<8	<2	4	25	.3	<3	<3	33	.31	.058	25	40	.45	230	.02	<3	1.18	.01	.05	<2	2
L1400E 3750N	2	17	9	45	<.3	16	6	212	1.82	4	<8	<2	<2	29	.2	<3	<3	40	.40	.060	16	23	.37	350	.04	<3	1.18	.01	.04	<2	1
L1400E 3700N	<1	14	8	47	<.3	16	5	189	1.60	3	<8	<2	2	30	<.2	<3	<3	38	.45	.057	15	22	.39	340	.04	3	1.21	.02	.04	<2	2
L1400E 3650N	2	17	10	40	<.3	14	4	165	1.40	<2	<8	<2	2	27	<.2	<3	<3	36	.38	.056	17	23	.34	293	.05	3	1.09	.02	.04	<2	2
L1400E 3600N	1	12	8	43	<.3	14	5	125	1.52	4	<8	<2	<2	22	.2	<3	<3	35	.28	.051	16	21	.34	241	.04	<3	1.13	.01	.04	<2	2
L1400E 3550N	1	22	10	59	<.3	20	8	197	2.15	7	<8	<2	3	25	.2	<3	<3	46	.31	.055	22	26	.42	350	.05	<3	1.37	.01	.05	<2	1
L1400E 3535N	2	23	14	59	<.3	21	8	224	2.29	7	<8	<2	3	26	.3	<3	<3	47	.33	.057	21	27	.41	376	.05	3	1.47	.01	.05	<2	1
L1400E 3450N	2	20	9	65	<.3	20	9	289	2.63	10	<8	<2	3	20	.2	<3	<3	49	.25	.071	19	27	.43	267	.05	<3	1.33	.01	.05	<2	1
L1400E 3400N	3	22	11	49	<.3	19	10	711	2.45	9	<8	<2	<2	18	.2	<3	<3	60	.18	.038	17	28	.34	304	.04	<3	1.63	.01	.05	<2	<1
L1400E 3350N	2	25	9	55	<.3	28	11	799	2.83	13	<8	<2	4	14	.2	<3	<3	61	.13	.053	15	31	.34	228	.05	3	1.98	.01	.07	<2	5
L1400E 3300N	1	31	14	62	<.3	31	12	265	3.10	13	<8	<2	4	13	<.2	<3	<3	75	.09	.020	18	39	.47	324	.07	<3	2.52	.01	.06	<2	2
L1400E 3250N	2	17	10	40	<.3	20	9	215	2.32	7	<8	<2	3	17	<.2	<3	<3	56	.16	.012	16	31	.37	322	.05	<3	1.65	.01	.03	<2	1
L1400E 3200N	1	17	7	34	<.3	19	6	140	2.19	6	<8	<2	3	14	<.2	<3	<3	48	.13	.011	15	28	.39	289	.05	<3	1.54	.01	.03	<2	2
L1400E 3150N	1	21	10	36	<.3	17	6	146	1.93	4	<8	<2	3	18	<.2	<3	<3	44	.23	.023	18	29	.41	295	.05	<3	1.41	.01	.04	<2	1
L1400E 3100N	2	27	8	40	<.3	27	8	189	2.33	6	<8	<2	3	18	<.2	<3	<3	57	.18	.016	19	32	.41	419	.06	<3	1.79	.01	.04	<2	<1
L1400E 3050N	2	31	11	45	<.3	24	10	301	2.65	8	<8	<2	4	18	<.2	<3	<3	57	.17	.024	19	31	.42	349	.05	<3	1.87	.01	.04	<2	1
L1400E 3000N	<1	35	8	47	<.3	26	8	227	2.49	9	<8	<2	3	20	<.2	<3	<3	54	.20	.022	21	30	.42	394	.05	<3	1.65	.01	.05	<2	2
L1400E 2950N	<1	33	12	33	<.3	16	5	86	2.31	6	<8	<2	3	14	<.2	<3	<3	53	.16	.045	19	30	.27	307	.05	<3	1.86	.01	.04	<2	1
L1400E 2900N	2	20	6	33	<.3	15	6	153	1.76	4	<8	<2	4	14	<.2	<3	<3	41	.13	.016	18	24	.33	238	.06	3	1.31	.01	.03	<2	3
L1400E 2850N	1	16	9	39	<.3	15	5	123	1.77	3	<8	<2	2	14	<.2	<3	<3	39	.13	.020	19	28	.35	200	.04	<3	1.24	.01	.03	<2	<1
L1400E 2800N	2	21	6	44	<.3	16	6	148	2.09	7	<8	<2	<2	18	<.2	<3	<3	38	.22	.039	21	23	.32	245	.05	<3	1.23	.01	.04	<2	2
L1400E 2750N	2	23	6	41	<.3	17	6	149	1.83	6	<8	<2	3	17	<.2	<3	<3	33	.20	.031	19	19	.30	230	.05	<3	1.00	.01	.03	<2	1
STANDARD C3/AU-S	26	68	38	154	5.6	38	12	771	3.41	54	15	<2	17	30	23.0	14	19	83	.58	.084	20	173	.60	145	.10	18	1.85	.04	.16	19	43
STANDARD G-1	1	5	3	36	<.3	6	4	494	1.95	<2	<8	<2	4	72	<.2	<3	<3	41	.65	.084	10	19	.53	200	.14	<3	.91	.09	.43	5	<1

Sample type: -150 SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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Data___ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au 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
L1400E 2700N	1	23	8	38	<.3	17	6	133	2.13	8	8	<2	5	17	<.2	<3	<3	37	.18	.016	18	22	.33	250	.05	<3	1.29	.01	.04	<2	2
L1400E 2650N	<1	16	6	34	<.3	14	5	122	1.80	4	<8	<2	4	16	<.2	<3	<3	35	.18	.023	17	19	.31	242	.05	<3	1.22	.01	.04	<2	5
L1400E 2600N	2	38	12	44	<.3	23	7	222	2.52	4	<8	<2	7	16	<.2	<3	<3	46	.14	.012	19	31	.44	357	.05	4	1.84	.01	.04	<2	2
L1400E 2550N	1	21	7	32	<.3	15	5	147	1.87	4	<8	<2	5	12	<.2	<3	<3	37	.10	.007	19	23	.37	267	.05	3	1.30	.01	.04	<2	1
L1400E 2500N	1	40	11	44	<.3	19	8	280	2.88	5	<8	<2	4	10	<.2	<3	<3	64	.07	.015	18	28	.53	277	.04	<3	1.95	.01	.04	<2	<1
RE L1400E 2500N	1	37	11	44	<.3	19	8	287	2.93	4	<8	<2	4	10	<.2	<3	<3	65	.07	.016	18	28	.53	282	.04	<3	1.98	.01	.04	<2	<1

Sample type: -150 SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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Data ✓ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au 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
2675E 4812N A	1	31	7	57	<.3	444	30	491	3.50	43	<8	<2	3	52	.3	5	<3	60	2.09	.064	13	175	2.15	274	.05	5	1.34	.02	.09	<2	2
2653E 4790N A	<1	15	4	27	<.3	1969	94	625	4.73	273	<8	<2	3	48	.3	9	<3	26	2.93	.021	8	774	7.22	72	<.01	5	.33	<.01	.03	<2	19
2653E 4790N B	1	17	15	45	<.3	1384	70	502	3.75	205	<8	<2	6	45	.2	6	<3	20	1.88	.029	18	612	4.76	82	<.01	3	.28	<.01	.03	<2	15
2653E 4790N C	1	15	3	17	<.3	1911	98	551	4.35	147	<8	<2	<2	41	.2	7	<3	26	2.47	.019	4	897	7.00	64	<.01	5	.32	<.01	.02	<2	19
2653E 4790N D	1	34	<3	48	<.3	972	57	540	3.49	188	<8	<2	4	35	.2	8	<3	29	1.36	.079	18	421	3.58	83	<.01	5	.63	<.01	.05	<2	11
2650E 4775N A	1	29	<3	13	.3	1115	70	380	2.47	97	<8	<2	<2	59	.2	5	4	26	1.77	.014	2	1213	6.25	57	<.01	8	.38	<.01	.02	<2	1
2650E 4775N B	<1	76	10	72	<.3	247	26	654	3.41	333	<8	<2	5	31	<.2	5	<3	25	1.13	.135	25	64	.65	112	<.01	3	.29	<.01	.05	<2	1
2650E 4775N C	2	42	7	51	<.3	284	28	660	2.87	29	<8	<2	3	34	<.2	4	<3	35	1.50	.109	15	260	1.97	74	.01	4	.57	<.01	.07	<2	<1
2650E 4775N D	<1	13	7	18	<.3	901	55	415	2.53	47	<8	<2	<2	31	<.2	<3	3	54	1.42	.010	1	1046	5.85	32	<.01	5	1.17	<.01	.01	<2	<1
2630E 4725N	<1	6	<3	18	<.3	565	61	874	4.83	121	<8	<2	<2	24	<.2	6	<3	114	1.40	.011	1	434	4.03	134	.01	<3	2.18	<.01	.08	<2	11
2610E 4750N A	1	23	6	37	<.3	861	50	515	3.50	56	<8	<2	3	37	.2	6	<3	45	1.59	.027	8	312	2.88	220	.01	4	1.06	.01	.03	<2	4
RE 2610E 4750N A	1	20	7	32	<.3	765	44	470	3.09	50	<8	<2	<2	33	.2	5	3	40	1.44	.024	7	269	2.57	197	.01	4	.93	<.01	.03	<2	6
2610E 4750N B	<1	7	3	23	<.3	575	54	644	5.36	70	<8	<2	<2	35	<.2	7	<3	121	2.09	.020	3	204	3.91	131	.02	3	2.55	.01	.09	<2	1
2610E 4725N A	1	24	10	58	<.3	266	22	241	2.62	33	<8	<2	4	24	.2	<3	<3	42	.42	.048	15	89	1.18	284	.06	3	1.34	.01	.05	<2	1
2610E 4725N B	1	9	<3	20	<.3	1831	97	683	5.24	145	<8	<2	<2	25	.3	8	<3	70	.89	.023	2	606	4.68	126	.01	5	1.43	<.01	.02	<2	15
2605E 4770N A	2	12	<3	10	<.3	1620	72	444	4.69	134	<8	<2	<2	26	<.2	5	<3	48	1.22	.007	<1	848	5.93	43	.01	3	.82	<.01	.02	<2	13
2605E 4770N B	<1	11	<3	6	<.3	1444	68	406	3.81	133	<8	<2	<2	29	.2	5	<3	39	1.59	.005	<1	746	6.06	38	.01	<3	.59	<.01	.03	<2	6
2605E 4770N C	1	6	<3	8	<.3	1076	64	481	3.85	86	<8	<2	<2	27	.2	4	<3	63	1.58	.007	<1	506	5.65	50	.01	4	1.13	<.01	.07	<2	3
2605E 4770N E	<1	2	<3	4	<.3	722	58	211	1.84	142	<8	<2	<2	21	<.2	5	<3	23	2.06	.002	<1	845	2.90	22	<.01	<3	.56	<.01	<.01	<2	16
2585E 4675N A	<1	27	11	58	<.3	69	11	197	2.32	43	<8	<2	4	25	.2	<3	<3	49	.59	.041	15	53	.48	345	.06	3	1.44	.01	.05	<2	4
2585E 4675N B	<1	7	<3	17	<.3	187	40	351	4.51	40	<8	<2	<2	14	<.2	5	<3	96	.41	.016	2	113	2.90	73	.08	<3	2.33	.01	.03	<2	1
2585E 4675N C	1	11	3	18	<.3	300	34	308	3.80	30	<8	<2	<2	10	<.2	4	<3	72	.34	.012	5	182	2.35	90	.06	4	2.04	.01	.02	<2	5
2585E 4675N D	2	11	3	15	<.3	1266	76	553	5.73	222	<8	<2	<2	56	<.2	12	<3	84	2.25	.011	<1	742	4.74	88	.01	3	1.38	.01	.04	<2	24
2630E 4750N A	<1	6	3	16	<.3	209	38	477	4.38	49	<8	<2	<2	13	<.2	4	<3	99	.62	.015	2	136	2.71	83	.02	<3	2.33	<.01	.05	<2	2
2630E 4750N B	<1	6	<3	3	<.3	789	45	443	2.08	70	<8	<2	<2	41	<.2	4	<3	22	3.65	.004	<1	585	3.92	88	<.01	4	.34	<.01	.02	<2	4
2590E 4690N	1	4	<3	14	<.3	133	33	297	3.79	63	<8	<2	<2	11	<.2	3	<3	93	.35	.009	1	134	2.53	56	.06	<3	2.14	<.01	.03	<2	1
2585E 4752N A	1	16	8	41	<.3	31	7	185	1.97	16	<8	<2	3	23	<.2	<3	<3	39	.37	.061	14	24	.46	227	.04	3	1.09	.01	.04	<2	1
2585E 4752N B	1	40	5	30	<.3	836	44	511	3.55	128	<8	<2	4	29	<.2	6	<3	48	.92	.109	22	327	2.13	61	<.01	5	.51	<.01	.05	<2	6
2585E 4752N C	1	31	3	69	<.3	236	30	818	3.60	21	<8	<2	6	75	<.2	12	<3	66	2.15	.140	12	108	3.12	120	<.01	5	1.96	<.01	.05	<2	3
2585E 4730N A	1	25	12	61	<.3	75	12	169	2.26	14	<8	<2	5	22	.2	3	<3	45	.38	.050	17	48	.64	277	.06	3	1.45	.01	.05	<2	2
2585E 4730N B	1	18	5	37	<.3	327	37	319	3.62	41	<8	<2	2	19	<.2	5	3	75	.44	.028	8	174	1.90	186	.04	3	1.89	.01	.04	<2	3
2585E 4730N C	<1	10	5	21	<.3	478	55	409	4.54	86	<8	<2	<2	15	<.2	6	<3	104	.46	.018	2	285	3.05	95	.02	<3	2.31	<.01	.04	<2	8
2585E 4700N A	1	29	10	52	<.3	118	13	159	2.05	20	<8	<2	4	26	.2	3	<3	45	.52	.042	15	79	.53	356	.05	4	1.31	.01	.05	<2	3
2585E 4700N B	1	23	8	41	<.3	274	26	258	3.01	40	<8	<2	3	19	<.2	3	<3	56	.38	.033	12	144	1.25	238	.05	3	1.47	.01	.05	<2	7
2585E 4700N C	<1	8	3	24	<.3	268	37	405	3.82	34	<8	<2	<2	15	<.2	4	<3	84	.35	.013	3	161	2.37	118	.05	<3	2.07	<.01	.03	<2	2
STANDARD C3/AU-S	25	65	37	152	5.5	37	12	762	3.35	55	21	<2	18	28	23.3	16	21	80	.57	.085	19	164	.59	141	.09	20	1.84	.04	.15	18	43
STANDARD G-1	1	4	<3	42	<.3	7	5	540	2.09	<2	<8	<2	5	73	<.2	<3	<3	43	.65	.088	9	19	.59	239	.15	4	1.02	.09	.49	5	<1

Sample type: -150 SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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Data a/ FA ____

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Radius Explorations Ltd. PROJECT BRIK #2 File # 97-5947

855 - 409 Granville St., Vancouver BC V6C 1T2 Submitted by: Harmen Keyser

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	Hg ppb	F ppm
BDR-97-02	1	3	<3	8	<.3	839	39	305	2.21	112	<8	<2	<2	15	<.2	3	<3	11	.60	.003	1	641	5.42	47	<.01	5	.07	.01	.01	4	4	130	110
BDR-97-03	1	5	<3	6	<.3	681	35	281	1.99	69	<8	<2	<2	10	<.2	<3	<3	8	.35	.003	1	300	9.38	192	<.01	<3	.01	.01	.01	11	7	85	115
BDR-97-04	1	3	<3	5	<.3	689	27	350	1.77	14	<8	<2	<2	44	<.2	4	<3	6	.65	.003	1	285	10.57	41	<.01	7	.01	<.01	.01	11	3	145	135
BDR-97-05	<1	4	24	39	.6	10	2	71	.77	24	9	<2	17	56	<.2	<3	<3	3	.51	.045	7	15	.30	90	<.01	3	1.77	.16	.80	3	2	<10	665
BDR-97-06	<1	2	31	44	.5	8	1	25	.20	4	12	<2	31	65	.2	<3	<3	1	.84	.004	4	10	.32	69	<.01	3	2.61	.14	1.28	2	4	<10	1260
BDR-97-07	1	3	<3	9	<.3	563	37	860	2.85	183	<8	<2	<2	264	<.2	13	<3	18	9.48	.004	3	745	6.05	148	<.01	<3	.13	.01	.01	5	22	40	305
BDR-97-08	1	4	<3	5	.3	910	41	866	3.75	127	<8	<2	<2	299	<.2	10	<3	34	9.41	.003	<1	772	4.71	364	<.01	3	.25	.02	.02	5	50	75	650
BDR-97-09	1	4	<3	6	<.3	793	34	951	1.86	12	<8	<2	<2	31	<.2	<3	<3	3	.74	.003	<1	197	11.27	117	<.01	4	.01	<.01	<.01	6	6	15	200
BDR-97-10	1	3	4	13	<.3	1851	97	606	4.68	49	<8	<2	<2	4	<.2	<3	4	21	.14	.004	1	1188	14.27	35	<.01	24	.18	<.01	<.01	<2	3	45	145
BDR-97-11	1	2	<3	3	<.3	701	34	583	2.82	194	<8	<2	<2	558	<.2	26	<3	7	13.34	.004	2	226	13.21	72	<.01	<3	.01	.01	<.01	11	5	170	160
BDR-97-12	1	3	<3	15	<.3	1309	61	643	3.28	51	<8	<2	<2	33	<.2	12	<3	14	.46	.004	<1	600	13.30	40	<.01	12	.02	<.01	.01	7	23	125	100
BDR-97-13	<1	22	<3	14	.3	1100	64	444	3.91	495	<8	<2	<2	14	<.2	<3	4	24	.61	.003	<1	1285	11.93	59	<.01	6	.22	<.01	<.01	<2	39	55	155
BDR-97-14	<1	4	<3	7	<.3	775	41	391	2.99	370	<8	<2	<2	300	<.2	16	<3	8	8.67	.004	3	277	11.36	53	<.01	<3	.03	<.01	.01	5	7	145	205
BDR-97-15	<1	6	<3	9	<.3	967	53	651	3.58	128	<8	<2	<2	107	<.2	<3	<3	16	1.94	.004	<1	606	12.80	37	<.01	4	.11	<.01	.01	3	3	55	110
BDR-97-16	<1	11	<3	10	<.3	1181	63	789	3.60	23	<8	<2	<2	56	<.2	<3	3	16	1.47	.003	1	694	14.01	42	<.01	8	.08	<.01	<.01	3	3	40	135
BDR-97-17	<1	2	<3	6	<.3	896	46	658	3.47	46	<8	<2	<2	118	.2	<3	<3	14	3.73	.003	<1	420	14.89	39	<.01	4	.06	<.01	<.01	4	2	40	180
BDR-97-18	1	2	<3	12	<.3	822	47	266	2.34	336	<8	<2	<2	67	<.2	<3	<3	7	1.93	.004	<1	635	8.79	19	<.01	<3	.26	<.01	<.01	5	3	25	155
BDR-97-19	<1	8	<3	8	<.3	1241	68	756	3.22	1265	<8	<2	<2	2	<.2	<3	<3	13	.05	.003	2	694	14.37	30	<.01	9	.10	<.01	<.01	<2	4	<10	200
BDR-97-20	<1	10	13	7	<.3	746	46	793	3.48	191	<8	<2	<2	261	.2	7	<3	15	8.28	.003	3	445	10.54	167	<.01	<3	.08	.01	<.01	5	19	105	190
BDR-97-21	<1	3	44	33	.4	10	1	66	.29	12	<8	<2	32	67	.4	<3	<3	3	.73	.007	9	9	.33	102	<.01	4	2.53	.29	1.52	<2	3	<10	1170
BDR-97-22	1	3	<3	8	.3	1150	58	690	3.76	96	<8	<2	<2	144	.2	<3	<3	20	5.45	.004	1	486	13.89	64	<.01	5	.23	.01	.01	2	9	130	305
BDR-97-23	<1	5	<3	8	<.3	957	53	575	3.32	44	<8	<2	<2	147	<.2	<3	<3	17	4.05	.003	<1	655	11.65	78	<.01	6	.13	<.01	.01	2	6	85	180
RE BDR-97-23	<1	5	<3	8	<.3	925	51	560	3.22	44	<8	<2	<2	143	<.2	<3	<3	16	3.94	.003	<1	636	11.29	75	<.01	7	.12	<.01	.01	2	5	75	160
BDR-97-24	<1	5	<3	9	<.3	835	44	504	3.05	58	<8	<2	<2	259	<.2	<3	<3	11	6.03	.003	3	437	13.92	37	<.01	18	.07	<.01	.01	<2	4	75	145
BDR-97-25	<1	4	<3	7	<.3	1102	65	708	3.49	114	<8	<2	<2	25	<.2	3	<3	15	.72	.002	<1	725	11.00	25	<.01	9	.09	<.01	.01	<2	13	20	225
BDR-97-26	<1	12	3	18	<.3	902	59	505	2.90	25	<8	<2	<2	49	<.2	<3	<3	51	1.49	.003	<1	1467	8.79	16	<.01	3	.96	<.01	.01	<2	4	<10	155
BDR-97-27	<1	3	<3	17	<.3	1074	67	368	3.99	15	<8	<2	<2	7	<.2	<3	<3	29	.09	.003	2	1169	14.83	4	<.01	5	.24	<.01	<.01	<2	3	<10	200
BDR-97-28	<1	4	4	8	<.3	1585	76	964	4.11	96	<8	<2	<2	77	<.2	<3	<3	11	2.97	.004	<1	523	17.28	49	<.01	3	.05	.01	<.01	3	5	180	215
BDR-97-29	<1	4	<3	8	<.3	1987	92	732	3.86	62	<8	<2	<2	95	.2	<3	<3	11	3.75	.003	<1	707	17.47	61	<.01	4	.06	.01	<.01	2	6	95	225
BDR-97-30	<1	6	3	10	<.3	1255	64	1003	4.04	79	<8	<2	<2	56	.2	<3	<3	14	2.02	.003	<1	726	13.65	80	<.01	10	.05	<.01	<.01	2	27	55	145
BDR-97-31	<1	4	<3	10	<.3	1779	83	706	3.92	38	<8	<2	<2	12	<.2	<3	<3	14	.49	.003	<1	925	12.89	29	<.01	25	.07	<.01	.01	<2	4	105	180
BDR-97-32	1	3	<3	4	.3	930	35	474	2.70	140	<8	<2	<2	197	.2	6	<3	8	7.16	.003	6	145	13.72	34	<.01	<3	.01	<.01	.01	5	6	60	225
BDR-97-33	1	3	<3	9	<.3	986	49	570	3.25	95	<8	<2	<2	76	.2	7	<3	14	1.44	.004	1	381	12.59	39	<.01	7	.05	<.01	.01	4	15	85	205
STANDARD C3/AU-R	28	67	39	148	5.7	39	12	780	3.50	56	20	3	21	30	23.8	16	22	88	.61	.088	20	182	.61	149	.10	19	1.94	.04	.16	20	438	885	-
STANDARD G-1	2	3	3	43	<.3	8	5	602	2.22	<2	<8	<2	4	70	<.2	<3	<3	46	.64	.077	7	102	.66	259	.16	<3	1.06	.07	.52	<2	2	<10	-

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM) HG ANALYSIS BY FLAMELESS AA.
F - NaOH FUSION - SPECIFIC ION ELECTRODE ANALYSIS. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 7 1997 **DATE REPORT MAILED:** Oct 11/97 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data___ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Radius Explorations Ltd. PROJECT BRIK #3 File # 97-6210

855 - 409 Granville St., Vancouver BC V6C 1T2 Submitted by: Harmen Keyser

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
BDR97-107	<1	17	<3	16	<.3	863	49	295	2.66	5	<8	<2	<2	4	<.2	<3	8	49	.49	.001	<1	1745	7.49	42	.01	5	1.23	.02	.01	<2	1
BDR97-124	<1	3	<3	9	<.3	1654	78	1196	5.03	143	<8	<2	<2	166	.4	<3	14	18	7.62	.002	1	758	10.07	83	<.01	3	.06	.01	.01	<2	12
BDR97-125	<1	6	<3	10	<.3	1394	75	462	3.38	237	8	<2	<2	9	<.2	<3	5	18	.23	.001	<1	813	13.30	33	<.01	7	.06	.01	.01	<2	<1
BDR97-126	1	4	48	132	.6	27	2	140	.73	6	8	<2	42	2	<.2	3	5	1	.46	<.001	9	27	.14	<1	.01	7	.63	.23	.52	10	2
BDR97-127	1	4	13	20	<.3	14	2	70	.36	6	<8	<2	25	6	.2	<3	<3	1	.12	.002	6	17	.09	33	.01	3	.20	.06	.16	5	<1
BDR97-128	1	33	9	76	<.3	63	30	1316	5.02	7	<8	<2	3	100	<.2	<3	<3	43	1.88	.181	26	82	1.64	61	.15	<3	1.77	.51	.13	<2	<1
RE BDR97-128	1	32	8	77	<.3	62	32	1346	5.13	6	<8	<2	2	102	<.2	<3	<3	43	1.92	.185	27	85	1.68	61	.15	<3	1.83	.53	.12	<2	1
BMR97-04	1	22	4	68	<.3	11	15	1132	4.43	<2	<8	<2	3	50	<.2	<3	<3	95	3.59	.223	29	29	1.40	27	.09	<3	.54	.16	.06	<2	1
BMR97-05	1	13	7	35	.3	15	4	103	1.48	2	<8	<2	6	11	<.2	<3	<3	10	.14	.043	16	24	.38	41	<.01	5	.84	.02	.15	3	3

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.
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ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 20 1997 **DATE REPORT MAILED:** Oct 29/97 **SIGNED BY.** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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Data / FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Radius Explorations Ltd. PROJECT BRIK #3 File # 97-6208 Page 1

855 - 409 Granville St., Vancouver BC V6C 1T2 Submitted by: Harmen Keyser

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
T2 27-30	1	33	13	54	<.3	191	26	822	2.54	22	<8	<2	5	31	<.2	4	<3	21	1.55	.082	18	78	1.06	117	<.01	5	.39	<.01	.06	<2	1
T2 39-42	1	38	16	60	<.3	69	19	599	1.94	15	<8	<2	11	42	<.2	5	<3	13	1.42	.088	36	18	.53	108	<.01	6	.25	<.01	.07	<2	<1
T4 0-3	2	41	15	74	<.3	285	24	459	3.12	65	<8	<2	5	26	.6	<3	<3	61	.54	.063	20	192	1.22	369	.05	3	1.59	.01	.07	<2	3
T4 3-6	1	37	12	86	.3	300	29	830	3.42	78	<8	<2	4	31	.8	<3	<3	69	.68	.087	18	215	1.55	405	.05	4	1.73	.01	.09	<2	7
T4 6-9	<1	20	?	42	<.3	741	43	636	2.69	111	<8	<2	2	21	.4	<3	<3	38	.81	.044	11	532	2.68	270	.03	<3	.83	.01	.05	<2	60
T4 9-12A	1	13	5	15	<.3	2977	150	1278	6.87	288	<8	<2	<2	53	.7	3	<3	29	4.62	.009	1	1251	4.62	173	<.01	<3	.26	<.01	.01	<2	30
T4 9-12B	1	21	14	58	<.3	210	16	311	2.75	31	<8	<2	3	20	.4	<3	<3	55	.48	.040	15	90	.74	430	.06	<3	1.42	.01	.06	<2	6
T4 12-15	1	18	8	31	<.3	1213	70	659	3.63	148	<8	<2	<2	29	.5	<3	<3	33	2.04	.032	7	633	3.16	208	.03	<3	.73	.01	.04	<2	21
T4 15-18	1	7	4	9	<.3	1053	80	616	2.46	166	<8	<2	<2	29	.3	<3	3	14	2.79	.011	2	612	3.47	109	.01	<3	.21	<.01	.02	<2	59
T4 61A	2	19	6	18	<.3	3921	239	1961	8.42	233	<8	<2	<2	109	.9	<3	<3	29	8.28	.011	1	1299	4.81	209	<.01	<3	.26	<.01	.01	<2	12
T4 61B	<1	48	<3	57	<.3	663	58	1061	5.13	94	<8	<2	<2	38	.5	<3	<3	95	2.43	.105	15	294	3.74	137	.04	4	2.32	<.01	.07	<2	4
T5 0-3	1	37	11	69	<.3	111	16	374	2.77	27	<8	<2	4	31	.5	<3	<3	56	.56	.063	21	81	.79	436	.06	3	1.58	.02	.06	<2	4
T5 3-6	1	30	14	64	<.3	69	12	328	2.53	18	<8	<2	3	29	.4	<3	<3	51	.68	.060	20	44	.58	472	.05	4	1.51	.01	.06	<2	5
T5 6-9	1	16	6	30	<.3	1126	62	509	3.39	224	<8	<2	<2	21	.4	3	<3	33	.95	.031	8	601	3.32	258	.03	4	.82	.01	.03	<2	18
T5 9-12	1	8	<3	7	<.3	1393	84	403	2.25	392	<8	<2	<2	13	.3	3	3	17	.87	.009	1	857	3.69	84	.01	4	.25	<.01	.01	<2	37
T5 36-39	2	33	8	45	<.3	1234	71	794	4.57	132	<8	<2	2	36	.6	3	<3	48	1.96	.089	18	516	3.68	247	.01	4	1.25	<.01	.11	<2	8
T6 36-39	<1	<1	<3	12	<.3	362	43	657	3.42	72	<8	<2	<2	20	<.2	<3	<3	101	1.08	.008	1	531	3.52	88	.04	<3	2.29	<.01	.13	<2	7
T6 42-45	<1	5	3	18	<.3	938	70	604	5.86	141	<8	<2	<2	61	.5	3	<3	113	2.47	.007	1	540	4.99	106	.04	3	2.45	<.01	.06	<2	11
1000E 2800N	1	22	8	54	<.3	22	7	163	2.31	10	<8	<2	4	21	<.2	<3	<3	44	.28	.045	21	30	.37	314	.06	4	1.33	.01	.05	<2	5
1000E 2750N	3	28	17	58	<.3	25	8	242	2.57	12	<8	<2	5	26	.2	<3	<3	49	.33	.051	23	32	.38	434	.07	<3	1.44	.01	.05	<2	4
RE 1000E 2750N	1	26	9	54	<.3	23	8	226	2.42	11	<8	<2	5	25	.2	<3	<3	45	.31	.049	22	28	.36	404	.06	3	1.36	.01	.05	<2	4
1000E 2700N	1	24	10	39	<.3	19	6	163	2.14	9	<8	<2	4	19	<.2	<3	<3	43	.24	.022	21	28	.35	372	.05	<3	1.50	.01	.04	<2	3
1000E 2650N	<1	20	9	33	<.3	17	6	136	1.95	7	<8	<2	4	19	.2	<3	<3	42	.26	.029	20	26	.37	319	.05	<3	1.37	.01	.04	<2	3
1000E 2600N	<1	18	10	38	<.3	19	6	172	1.98	8	<8	<2	4	21	<.2	<3	<3	44	.29	.030	20	30	.38	351	.05	<3	1.43	.01	.05	<2	3
1000E 2550N	1	19	9	45	<.3	40	10	287	2.48	7	<8	<2	3	26	<.2	<3	<3	63	.39	.056	22	61	.82	425	.06	<3	1.78	.01	.05	<2	2
1000E 2500N	2	32	7	67	<.3	48	18	699	4.45	9	<8	<2	2	45	.4	<3	<3	115	.76	.119	23	80	1.63	727	.06	<3	2.63	.01	.04	<2	<1
1200E 4900N	2	20	11	66	.3	24	7	180	1.87	8	<8	<2	12	26	<.2	<3	<3	40	.44	.047	22	28	.41	280	.06	3	1.29	.01	.06	<2	2
1200E 4875N	<1	24	20	146	<.3	40	18	624	3.77	16	<8	<2	20	50	.5	<3	<3	52	1.13	.085	30	46	.65	301	.05	<3	2.21	.05	.08	<2	2
1200E 4850N	<1	13	20	92	<.3	26	11	831	2.59	6	<8	<2	22	29	<.2	<3	<3	37	.61	.037	18	34	.47	231	.04	6	1.66	.03	.06	<2	<1
1200E 4825N	1	17	20	106	<.3	31	8	176	2.53	11	<8	<2	8	20	<.2	<3	<3	37	.39	.034	12	44	.36	132	.03	4	1.71	.02	.07	<2	2
1200E 4800N	2	10	16	151	<.3	19	8	497	2.04	13	<8	<2	11	24	.2	<3	<3	21	.55	.040	12	22	.33	146	.01	6	1.46	.02	.09	<2	<1
1200E 4775N	1	15	43	163	<.3	20	8	236	2.60	4	<8	<2	31	35	<.2	<3	<3	44	.91	.075	25	36	.59	109	.04	5	2.60	.03	.12	<2	3
1200E 4750N	<1	24	14	101	<.3	45	24	530	4.60	10	<8	<2	9	63	.2	<3	<3	84	1.42	.131	28	82	2.13	170	.10	3	3.07	.12	.10	<2	1
1200E 4725N	2	24	7	87	<.3	45	29	762	5.59	23	<8	<2	2	81	.3	<3	<3	106	1.81	.154	29	92	2.59	165	.10	3	3.48	.12	.09	<2	<1
1200E 4700N	2	21	11	77	<.3	37	21	480	4.48	6	<8	<2	3	61	.2	<3	3	76	1.09	.099	25	69	1.50	159	.08	<3	2.66	.10	.09	<2	<1
STANDARD C3/AU-S	24	62	35	148	5.3	36	12	729	3.23	49	19	<2	17	28	21.6	13	22	79	.57	.080	19	165	.57	145	.10	22	1.84	.04	.15	18	51
STANDARD G-1	1	3	<3	41	<.3	8	5	543	1.93	2	<8	<2	5	80	<.2	<3	<3	40	.77	.101	10	82	.62	229	.15	5	1.05	.10	.48	3	<1

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Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 20 1997 DATE REPORT MAILED: Oct 29/97 SIGNED BY. . . . . D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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Data 1 FA ___

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
1200E 4675N	1	16	8	58	<.3	26	12	316	3.16	7	<8	<2	6	39	.2	<3	<3	53	.68	.070	21	42	.81	179	.06	4	1.80	.05	.10	<2	<1
1200E 4650N	2	26	<3	83	<.3	51	35	996	5.34	8	<8	<2	2	101	<.2	<3	<3	67	2.19	.209	30	67	1.80	88	.06	3	2.63	.24	.07	<2	<1
1200E 4500N	<1	10	22	46	<.3	13	5	104	.95	9	<8	<2	15	30	<.2	<3	<3	17	.33	.028	25	15	.26	99	.02	5	.95	.12	.20	<2	<1
1200E 4450N	<1	3	29	33	<.3	4	2	200	.40	4	<8	<2	20	40	.3	<3	<3	6	.33	.008	20	6	.12	162	.01	5	.69	.17	.23	<2	4
1200E 4425N	<1	9	36	92	<.3	8	2	124	1.22	7	<8	<2	42	52	.2	<3	<3	12	.66	.020	27	12	.39	158	.01	5	2.08	.12	.29	<2	1
1200E 4400N	<1	14	29	71	<.3	14	3	76	1.08	9	<8	<2	32	24	<.2	<3	<3	13	.32	.030	23	19	.25	88	.01	4	1.15	.06	.21	<2	1
1200E 4350N	1	15	19	74	<.3	24	9	142	1.62	15	<8	<2	15	34	<.2	<3	<3	32	.45	.042	19	24	.38	141	.03	8	1.31	.08	.16	<2	7
1400E 4975N	1	27	18	80	.4	32	7	267	2.11	14	<8	<2	27	41	<.2	<3	<3	24	.46	.043	28	34	.42	241	.02	4	1.26	.01	.05	<2	2
1400E 4875N	2	13	15	72	<.3	39	9	229	2.12	13	<8	<2	16	23	<.2	<3	<3	26	.26	.031	24	40	.37	240	.02	3	1.25	.01	.05	<2	1
1400E 4850N	2	28	21	108	.4	59	12	354	3.06	26	<8	<2	22	44	.2	<3	<3	27	.38	.042	18	42	.42	248	.01	5	1.14	.02	.06	<2	<1
1400E 4825N	2	24	14	95	.3	55	9	277	2.31	15	<8	<2	17	29	<.2	<3	<3	27	.27	.037	18	50	.44	217	.01	5	1.36	.01	.06	<2	1
1400E 4800N	1	26	18	85	.6	48	9	214	2.29	15	<8	<2	20	26	.2	<3	<3	29	.23	.041	24	44	.39	246	.02	4	1.29	.01	.06	<2	<1
RE 1400E 4800N	3	26	17	84	.5	46	9	211	2.26	15	<8	<2	19	26	.2	<3	<3	29	.22	.040	24	44	.38	239	.02	3	1.26	.01	.06	<2	1
1400E 4775N	1	16	14	79	.4	50	9	190	1.83	13	<8	<2	19	18	<.2	<3	<3	22	.23	.034	21	47	.40	152	.02	5	1.11	.01	.06	<2	<1
1400E 4750N	2	14	17	91	<.3	39	7	119	1.37	16	<8	<2	31	21	<.2	<3	<3	21	.21	.039	26	35	.33	121	.03	4	.90	.01	.07	<2	<1
1400E 4725N	2	13	18	65	<.3	33	12	224	1.28	14	<8	<2	27	19	<.2	3	<3	17	.16	.023	22	30	.27	114	.02	3	.88	.01	.07	<2	1
1400E 4700N	1	51	15	75	<.3	126	12	254	2.90	9	<8	<2	12	17	<.2	<3	<3	45	.13	.025	21	117	.51	226	.01	3	1.46	.01	.04	<2	<1
1400E 4675N	1	12	11	55	<.3	21	4	115	1.27	12	<8	<2	10	12	<.2	<3	<3	20	.12	.012	18	26	.31	166	.02	3	1.20	.01	.05	<2	<1
1400E 4650N	1	6	11	46	<.3	13	4	90	.93	8	<8	<2	8	15	<.2	<3	<3	16	.15	.021	12	16	.17	173	.02	<3	1.11	.01	.09	<2	<1
1400E 4625N	1	11	10	54	.3	17	5	155	1.40	9	<8	<2	11	20	<.2	<3	<3	26	.25	.027	16	17	.25	241	.02	5	1.14	.01	.08	<2	<1
1400E 4575N	2	19	14	57	.5	38	7	246	1.64	12	<8	<2	14	29	<.2	<3	<3	26	.31	.023	23	33	.32	309	.02	3	1.13	.01	.05	<2	<1
1400E 4550N	1	31	9	64	<.3	33	11	332	2.73	13	<8	<2	5	35	.2	<3	<3	51	.54	.059	19	31	.61	367	.06	<3	1.51	.02	.07	<2	<1
1400E 4525N	1	16	10	51	<.3	26	8	243	2.15	9	<8	<2	6	24	<.2	<3	<3	36	.42	.047	18	27	.41	280	.04	4	1.18	.01	.05	<2	<1
2750E 4700N	1	50	8	43	<.3	1508	89	2026	4.98	69	<8	<2	3	32	.2	7	<3	39	1.57	.046	12	524	1.79	154	.01	6	.62	<.01	.07	<2	70
2750E 4660N	1	73	7	71	<.3	544	44	1023	4.08	66	<8	<2	4	21	<.2	3	<3	65	.85	.076	20	229	1.28	261	.05	6	1.42	.01	.11	<2	6
2750E 4600N	1	34	18	52	.3	114	15	434	3.14	17	<8	<2	3	35	<.2	<3	<3	57	1.13	.046	18	90	.77	377	.02	5	1.44	.01	.09	<2	1
2750E 4550N	1	19	18	39	<.3	95	15	400	2.67	18	<8	<2	4	26	.2	<3	<3	46	.68	.032	23	89	.66	226	.01	5	1.12	.01	.09	<2	<1
2750E 4500N	2	29	16	47	<.3	122	16	465	2.93	22	<8	<2	5	25	<.2	<3	<3	50	.62	.036	27	98	.62	300	.01	5	1.19	.01	.09	<2	1
2750E 4450N	1	38	16	54	<.3	180	20	412	3.46	20	<8	<2	5	28	<.2	<3	<3	64	.55	.044	22	139	.94	311	.02	5	1.57	.01	.09	<2	1
2750E 4400N	<1	40	<3	61	<.3	206	34	801	4.79	3	<8	<2	<2	38	<.2	<3	<3	126	1.47	.066	6	211	2.26	618	.06	5	2.34	.01	.30	<2	<1
2750E 4350N	1	37	14	54	.4	34	9	294	2.32	11	<8	<2	<2	24	.3	<3	<3	54	.27	.045	15	31	.35	509	.04	3	1.73	.01	.08	<2	1
2850E 4700N	2	20	19	65	<.3	61	16	454	2.69	16	<8	<2	7	26	.2	3	<3	39	.43	.071	32	46	.39	264	.02	<3	.92	.01	.13	<2	1
2850E 4675N	1	17	9	30	<.3	31	9	175	1.97	10	<8	<2	4	22	<.2	<3	<3	39	.41	.056	17	27	.36	275	.03	4	.94	.01	.05	<2	1
2850E 4650N	1	19	13	26	<.3	25	9	179	2.25	10	<8	<2	3	20	<.2	<3	<3	38	.38	.041	17	26	.32	260	.04	<3	1.03	.01	.05	<2	<1
2850E 4625N	<1	14	8	27	<.3	41	14	306	2.69	9	<8	<2	2	18	<.2	<3	<3	80	.42	.022	11	60	1.01	320	.01	3	1.84	.01	.04	<2	1
STANDARD C3/AU-S	23	62	33	145	5.5	34	12	738	3.26	50	20	<2	18	29	21.8	15	19	76	.57	.082	19	168	.57	143	.10	21	1.82	.04	.16	18	45
STANDARD G-1	<1	3	<3	36	<.3	8	5	520	1.82	<2	<8	<2	5	75	<.2	<3	<3	37	.73	.097	9	76	.58	210	.14	4	.95	.09	.45	4	<1

Sample type: -150 SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au 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
2850E 4600N	<1	15	6	18	<.3	39	9	222	1.88	2	<8	<2	2	22	<.2	<3	<3	44	.49	.038	10	53	.68	246	.02	<3	1.28	.01	.03	<2	4
2850E 4575N	<1	5	3	22	<.3	36	17	321	3.10	5	<8	<2	2	21	<.2	<3	<3	60	.55	.028	10	48	1.18	147	.03	4	1.57	.01	.05	<2	6
2850E 4550N	<1	8	17	18	.3	62	19	506	3.38	11	<8	<2	2	27	<.2	<3	<3	59	.86	.032	18	51	.77	174	.01	4	1.10	<.01	.11	<2	<1
2850E 4525N	<1	9	7	20	<.3	77	21	417	3.81	11	<8	<2	2	19	<.2	<3	<3	81	.78	.034	12	64	.86	169	<.01	4	1.29	<.01	.09	<2	<1
2850E 4500N	1	8	7	25	<.3	102	17	459	2.96	7	<8	<2	2	27	<.2	<3	<3	64	1.03	.033	13	72	1.02	181	.01	3	1.19	.01	.08	<2	<1
2850E 4475N	<1	19	5	38	<.3	20	8	257	1.92	10	<8	<2	4	21	<.2	<3	<3	37	.29	.065	15	22	.34	162	.06	<3	.87	.01	.06	<2	5
2850E 4450N	<1	19	4	45	<.3	22	8	290	1.97	9	<8	<2	3	26	.2	<3	<3	39	.39	.074	18	22	.42	353	.06	<3	.83	.02	.06	<2	1
2850E 4425N	1	18	6	41	<.3	16	8	200	1.97	10	<8	<2	3	21	<.2	<3	<3	44	.25	.036	16	22	.27	238	.07	<3	1.14	.01	.04	<2	1
2850E 4400N	1	22	9	47	<.3	21	7	175	2.45	9	<8	<2	3	23	<.2	<3	<3	57	.23	.028	18	30	.33	379	.07	<3	1.84	.01	.06	<2	3
2850E 4375N	1	20	8	39	<.3	16	7	155	1.81	5	<8	<2	4	20	<.2	<3	<3	41	.22	.026	20	24	.30	257	.08	<3	1.29	.01	.05	<2	1
2850E 4350N	2	31	14	55	.4	27	16	791	2.50	9	<8	<2	<2	36	.4	<3	<3	62	.40	.066	18	32	.32	562	.06	<3	2.14	.01	.06	<2	3
2850E 4325N	1	19	7	37	<.3	14	5	119	1.51	7	<8	<2	<2	23	.2	<3	<3	40	.25	.042	16	22	.26	322	.04	<3	1.21	.01	.04	<2	1
RE 2850E 4325N	1	21	8	35	<.3	14	4	116	1.46	5	<8	<2	<2	22	.2	<3	<3	38	.24	.041	16	20	.26	316	.04	<3	1.18	.01	.04	<2	4
2850E 4300N	1	23	11	60	.3	21	8	200	2.08	6	<8	<2	4	23	.2	<3	<3	44	.28	.054	21	28	.38	395	.05	4	1.48	.01	.05	<2	3
3050E 4650N	1	18	3	35	<.3	341	31	352	4.11	11	<8	<2	2	51	<.2	<3	<3	88	1.16	.045	11	190	2.57	198	.01	9	1.84	.01	.05	<2	<1
3050E 4625N	<1	4	<3	15	<.3	104	30	511	4.41	3	<8	<2	<2	25	<.2	<3	<3	106	.83	.019	1	142	3.13	89	.04	5	2.54	<.01	.03	<2	<1
3050E 4600N	1	2	4	13	<.3	59	32	558	5.12	4	<8	<2	<2	19	<.2	<3	<3	124	.95	.020	2	79	2.57	139	.01	6	2.66	<.01	.04	<2	<1
3050E 4575N	<1	<1	<3	12	<.3	72	36	636	4.70	10	<8	<2	<2	45	<.2	<3	<3	104	2.93	.017	1	75	2.84	119	.01	4	2.00	.01	.06	<2	<1
3050E 4550N	1	<1	<3	13	<.3	84	37	618	5.17	4	<8	<2	<2	30	<.2	<3	<3	125	1.77	.015	<1	145	3.60	211	.05	4	2.94	<.01	.03	<2	<1
3050E 4525N	1	1	4	13	<.3	53	31	817	5.24	3	<8	<2	<2	16	<.2	<3	<3	139	.56	.016	2	79	1.75	268	.01	4	2.53	<.01	.05	<2	<1
3050E 4500N	1	1	<3	9	<.3	74	31	717	4.80	23	<8	<2	<2	78	<.2	12	<3	86	4.14	.025	1	49	2.23	121	<.01	5	.78	.01	.07	<2	1
3050E 4475N	<1	<1	<3	9	<.3	75	28	614	4.23	2	<8	<2	<2	42	<.2	4	<3	90	3.29	.026	1	58	1.89	77	<.01	<3	1.34	<.01	.03	<2	<1
3050E 4450N	2	18	10	44	<.3	31	9	565	2.16	8	<8	<2	3	21	.2	<3	<3	45	.39	.024	19	30	.42	424	.04	<3	1.50	.01	.08	<2	1
3050E 4425N	2	29	13	49	<.3	24	10	256	2.48	8	<8	<2	4	25	<.2	<3	<3	52	.34	.032	19	31	.43	411	.06	3	1.58	.02	.06	<2	2
3050E 4400N	2	16	8	43	<.3	19	9	322	2.24	6	<8	<2	3	18	<.2	<3	<3	53	.24	.031	15	29	.37	343	.05	3	1.61	.01	.05	<2	<1
3050E 4375N	1	18	7	42	<.3	20	7	200	2.01	6	<8	<2	3	21	<.2	<3	<3	47	.30	.027	16	27	.39	378	.05	3	1.41	.01	.05	<2	4
3050E 4350N	1	20	7	47	<.3	20	7	171	1.98	7	<8	<2	3	26	<.2	<3	<3	40	.34	.046	19	22	.38	363	.05	<3	1.29	.01	.05	<2	1
3050E 4325N	2	26	13	55	<.3	25	8	183	2.18	8	<8	<2	4	41	.2	<3	<3	44	.49	.054	18	28	.40	407	.05	<3	1.42	.01	.05	<2	1
3050E 4300N	2	26	11	57	<.3	27	9	381	2.27	7	<8	<2	2	38	.4	<3	<3	49	.45	.045	15	30	.40	429	.06	<3	1.71	.01	.07	<2	1
2446E 4615N	<1	5	58	52	<.3	7	1	84	.47	4	8	<2	30	56	.2	<3	<3	1	.52	.009	16	6	.30	266	<.01	<3	1.67	.44	.57	<2	1
2492E 4595N A	3	51	14	99	.5	89	15	449	2.93	36	<8	<2	8	25	.5	<3	<3	40	.40	.067	30	48	.42	240	.03	5	1.20	.01	.06	3	5
2492E 4595N B	3	37	12	83	<.3	49	14	551	2.72	23	<8	<2	5	25	.4	<3	<3	44	.43	.068	23	32	.40	260	.05	4	1.28	.01	.07	2	2
2529E 4615N	1	18	4	43	<.3	19	6	229	1.70	7	<8	<2	3	30	.2	<3	<3	34	.59	.073	15	19	.45	288	.05	4	.72	.02	.06	<2	5
2560E 4580N	<1	12	10	38	<.3	15	6	150	1.89	8	<8	<2	3	17	.2	<3	<3	42	.25	.029	15	24	.34	231	.06	<3	1.19	.01	.05	<2	3
2591E 4575N	2	40	13	94	<.3	35	9	233	2.65	18	<8	<2	5	25	.5	<3	<3	50	.30	.075	20	30	.42	337	.05	3	1.27	.01	.11	<2	5
STANDARD C3/AU-S	24	62	35	148	5.4	36	12	750	3.31	51	16	<2	17	29	22.2	15	20	79	.58	.082	20	167	.57	141	.11	21	1.87	.04	.16	19	46
STANDARD G-1	<1	1	<3	39	<.3	8	5	549	2.02	<2	<8	<2	4	79	<.2	<3	<3	42	.73	.093	11	80	.58	217	.15	<3	1.03	.10	.46	3	<1

Sample type: -150 SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au 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
2804E 4630N	<1	18	10	46	<.3	23	7	105	1.64	4	<8	<2	6	21	.2	3	<3	40	.38	.039	16	25	.41	277	.06	<3	1.33	.01	.05	<2	1
2805E 4585N	<1	36	<3	46	<.3	140	31	781	4.49	6	<8	<2	3	44	.6	<3	<3	105	2.76	.059	7	122	2.66	208	.02	<3	1.86	<.01	.15	<2	1
RE 2805E 4585N	<1	38	<3	49	<.3	142	33	796	4.60	5	<8	<2	4	45	.2	<3	4	107	2.82	.058	8	125	2.71	200	.02	<3	1.88	<.01	.15	<2	<1

Sample type: -150 SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Radius Explorations Ltd. PROJECT BRIK #3 File # 97-6209 Page 1

855 - 409 Granville St., Vancouver BC V6C 1T2 Submitted by: Harmen Keyser

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	Hg ppb
BDR97-34	2	18	<3	4	<.3	1403	85	1026	4.18	14	<8	<2	<2	15	.2	<3	<3	12	1.39	.002	1	620	10.36	23	<.01	13	.05	<.01	<.01	<2	4	170
BDR97-35	<1	12	<3	5	<.3	1546	78	787	4.59	20	<8	<2	<2	28	<.2	<3	<3	17	3.25	.002	<1	842	8.63	55	<.01	10	.09	<.01	<.01	<2	3	245
BDR97-36	1	6	<3	4	<.3	1827	85	1070	4.61	50	<8	<2	<2	118	<.2	3	<3	15	11.41	.003	<1	812	5.99	102	<.01	5	.07	<.01	<.01	<2	5	170
BDR97-37	1	10	<3	4	<.3	1565	75	1066	4.09	54	<8	<2	<2	129	<.2	<3	<3	12	10.40	.002	<1	658	6.20	100	<.01	3	.06	.01	<.01	<2	11	160
BDR97-38	1	6	<3	5	<.3	1720	76	950	4.45	43	<8	<2	<2	102	<.2	<3	<3	15	7.47	.003	1	875	7.26	93	<.01	6	.11	<.01	<.01	<2	11	100
BDR97-39	1	3	<3	5	<.3	1428	71	856	4.13	10	<8	<2	<2	64	<.2	<3	<3	15	8.13	.002	<1	951	5.57	88	<.01	8	.14	<.01	<.01	<2	7	60
BDR97-40	<1	4	<3	4	<.3	1526	69	656	4.51	30	<8	<2	<2	44	.2	<3	<3	26	7.60	.003	<1	1017	5.18	63	<.01	10	.28	<.01	.01	<2	5	35
BDR97-41	1	5	<3	2	<.3	875	50	788	2.67	40	<8	<2	<2	240	<.2	5	<3	4	7.82	.002	<1	308	9.95	53	<.01	<3	.02	<.01	<.01	2	19	145
BDR97-42	<1	3	3	5	<.3	1561	71	983	4.21	411	<8	<2	<2	93	.2	18	<3	6	2.78	.003	<1	284	9.31	73	<.01	3	.05	<.01	<.01	2	131	190
BDR97-43	1	5	3	5	<.3	1538	75	797	4.40	30	<8	<2	<2	36	<.2	<3	<3	16	3.79	.002	<1	818	7.84	44	<.01	8	.09	<.01	<.01	<2	5	225
BDR97-44	<1	7	3	5	<.3	1563	79	800	4.07	26	<8	<2	<2	22	<.2	<3	<3	17	1.89	.002	<1	766	11.51	33	<.01	12	.14	<.01	<.01	<2	13	150
BDR97-45	1	10	<3	6	<.3	1669	81	914	4.00	38	<8	<2	<2	24	<.2	<3	<3	18	1.33	.002	<1	970	11.05	44	<.01	6	.13	<.01	<.01	<2	9	100
BDR97-46	2	9	<3	7	<.3	1854	86	749	4.45	98	<8	<2	<2	53	<.2	<3	<3	17	3.72	.002	<1	852	13.22	66	<.01	<3	.14	<.01	<.01	<2	55	165
BDR97-47	1	11	<3	7	<.3	1693	73	799	4.83	169	<8	<2	<2	81	<.2	4	<3	19	4.65	.002	<1	807	13.24	73	<.01	<3	.14	<.01	<.01	<2	26	115
BDR97-48	1	12	<3	7	<.3	1856	90	952	4.60	48	<8	<2	<2	40	.2	<3	<3	20	2.21	.002	<1	980	11.66	59	<.01	5	.15	<.01	<.01	<2	11	155
BDR97-49	2	8	<3	5	<.3	1449	67	906	4.35	197	<8	<2	<2	183	<.2	5	<3	16	10.34	.003	1	646	10.42	85	<.01	<3	.10	<.01	<.01	<2	12	115
BDR97-50	<1	3	<3	5	<.3	1699	77	1039	4.63	194	<8	<2	<2	172	.2	7	<3	15	8.86	.003	1	588	11.88	93	<.01	<3	.08	<.01	<.01	<2	7	160
BDR97-51	<1	3	<3	5	<.3	1737	84	1138	4.53	154	<8	<2	<2	139	.2	<3	<3	19	9.92	.002	<1	695	9.25	116	<.01	4	.16	<.01	.01	<2	13	165
BDR97-52	<1	6	<3	5	<.3	1670	85	863	4.02	102	<8	<2	<2	57	.2	<3	<3	16	4.02	.002	<1	849	9.72	84	<.01	8	.10	<.01	<.01	<2	19	110
BDR97-53	2	6	3	4	<.3	1675	85	631	3.83	95	<8	<2	<2	18	.2	<3	<3	15	.74	.002	<1	687	10.72	43	<.01	13	.07	<.01	<.01	<2	13	70
BDR97-54	1	3	<3	4	<.3	912	58	824	3.29	76	<8	<2	<2	40	<.2	<3	<3	10	2.21	.002	<1	497	9.41	37	<.01	3	.08	<.01	<.01	<2	14	60
RE BDR97-54	<1	4	<3	3	<.3	898	57	814	3.21	74	<8	<2	<2	39	<.2	<3	<3	9	2.18	.002	<1	433	9.14	36	<.01	<3	.07	<.01	<.01	<2	17	60
BDR97-55	1	5	<3	3	<.3	1600	75	892	3.74	28	<8	<2	<2	60	<.2	<3	<3	14	5.25	.003	1	852	7.88	52	<.01	9	.13	<.01	<.01	<2	510	60
BDR97-56	1	32	6	29	<.3	918	47	703	3.46	37	<8	<2	2	64	<.2	<3	<3	17	3.31	.024	9	513	4.78	92	<.01	4	.25	<.01	.06	<2	21	50
BDR97-57	2	44	9	57	<.3	158	19	606	2.94	38	<8	<2	5	35	<.2	3	<3	16	1.90	.053	19	63	.95	125	<.01	<3	.29	<.01	.11	<2	8	55
BDR97-58	2	47	8	58	<.3	91	16	547	2.71	20	<8	<2	6	28	<.2	<3	<3	13	1.70	.057	20	29	.72	125	<.01	<3	.29	<.01	.12	<2	10	35
BDR97-59	2	35	8	58	<.3	105	18	695	2.94	81	<8	<2	5	50	<.2	3	<3	16	2.36	.057	18	61	1.09	118	<.01	<3	.30	<.01	.11	<2	5	65
BDR97-60	1	8	5	24	<.3	76	8	845	1.73	64	<8	<2	<2	70	.2	<3	<3	7	3.22	.018	6	72	1.52	72	<.01	<3	.15	<.01	.07	2	6	20
BDR97-61	1	43	11	69	<.3	62	13	588	2.57	25	<8	<2	7	27	<.2	3	<3	13	1.54	.052	19	24	.69	119	<.01	<3	.29	<.01	.12	<2	6	65
BDR97-62	3	58	38	51	<.3	77	12	494	2.13	21	<8	<2	15	37	.2	<3	<3	5	2.14	.033	32	28	.89	130	<.01	<3	.25	<.01	.11	2	4	20
BDR97-63	2	41	25	149	<.3	144	16	656	2.68	29	<8	<2	5	30	.7	<3	<3	13	1.56	.049	15	69	1.03	115	<.01	<3	.27	<.01	.12	2	4	70
BDR97-64	2	57	11	69	.3	153	24	1013	3.48	93	<8	<2	4	75	.2	4	<3	30	3.10	.045	12	139	1.80	118	<.01	4	.35	.01	.10	<2	5	55
BDR97-65	1	1	52	83	.4	501	54	1679	3.98	377	<8	<2	<2	156	.3	6	<3	34	6.67	.012	4	635	3.81	118	<.01	<3	.59	.01	.06	<2	4	110
BDR97-66	3	52	15	68	<.3	99	20	830	3.27	28	<8	<2	5	50	<.2	<3	<3	28	2.49	.056	19	46	1.28	122	<.01	3	.39	<.01	.12	<2	6	35
BDR97-67	1	55	5	52	<.3	69	17	700	2.97	13	<8	<2	4	42	<.2	<3	<3	24	2.02	.049	14	27	.88	126	<.01	<3	.28	<.01	.11	2	5	45
STANDARD C3/AU-R	27	65	38	161	5.7	39	13	799	3.54	54	26	<2	19	30	23.6	15	22	87	.60	.087	21	178	.61	150	.11	21	1.93	.04	.16	17	443	950
STANDARD G-1	1	2	4	41	<.3	9	5	556	2.06	<2	<8	<2	3	64	<.2	<3	<3	40	.59	.073	8	84	.60	235	.15	<3	.96	.06	.47	<2	2	<10

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM) HG ANALYSIS BY FLAMELESS AA.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 20 1997 **DATE REPORT MAILED:** Oct 29/97 **SIGNED BY.** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only. Data A FA

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	Hg ppb
BDR97-68	1	46	8	58	<.3	88	22	845	3.66	14	<8	<2	3	55	<.2	<3	<3	37	2.93	.052	14	44	1.38	154	<.01	4	.41	.01	.15	2	<1	50
BDR97-69	3	36	7	50	<.3	66	16	580	2.75	11	<8	<2	3	34	<.2	<3	<3	23	1.82	.043	13	35	.83	154	<.01	4	.36	.01	.15	3	<1	45
BDR97-70	<1	3	5	11	<.3	117	31	561	3.79	22	<8	<2	<2	29	<.2	<3	<3	92	1.85	.012	<1	78	2.79	58	.08	3	2.38	.01	.07	<2	1	65
BDR97-71	<1	2	<3	14	<.3	144	38	552	4.89	41	<8	<2	<2	66	<.2	<3	<3	109	2.35	.009	1	88	2.98	101	.04	3	2.87	.01	.10	<2	<1	140
BDR97-72	1	2	<3	12	<.3	630	50	783	3.79	44	<8	<2	<2	40	.2	<3	<3	70	3.29	.004	<1	720	6.64	58	.01	<3	1.71	<.01	.06	<2	38	185
BDR97-73	2	4	<3	9	<.3	817	55	600	2.92	36	<8	<2	<2	39	<.2	<3	<3	34	2.95	.003	1	997	7.12	25	.01	3	.82	<.01	.01	<2	34	45
BDR97-74	1	8	<3	8	<.3	1202	84	468	3.56	77	<8	<2	<2	30	<.2	<3	3	24	2.42	.002	<1	1207	9.50	19	<.01	6	.29	<.01	<.01	<2	27	55
BDR97-75	1	1	<3	4	<.3	679	44	405	1.50	31	<8	<2	<2	150	.2	<3	<3	12	8.61	.002	<1	861	4.87	68	<.01	<3	.26	<.01	<.01	<2	4	20
BDR97-76	2	4	<3	3	<.3	1536	81	1571	4.30	162	<8	<2	<2	71	.4	9	<3	13	1.97	.003	<1	567	8.57	136	<.01	3	.06	<.01	<.01	4	7	110
BDR97-77	<1	17	<3	9	<.3	1548	85	690	4.60	93	<8	<2	<2	45	.2	5	<3	27	3.63	.002	<1	1235	8.65	44	<.01	5	.23	<.01	<.01	<2	17	100
BDR97-78	1	5	3	6	<.3	1699	83	1233	4.72	107	<8	<2	<2	97	.2	9	<3	19	6.80	.003	1	695	5.78	103	<.01	4	.07	<.01	.01	2	31	175
BDR97-79	2	11	<3	8	<.3	2244	106	1886	6.09	104	<8	<2	<2	38	.5	19	3	29	5.10	.006	<1	979	2.79	170	<.01	<3	.12	<.01	.01	3	11	250
BDR97-80	2	12	<3	11	<.3	2238	104	808	6.60	91	<8	<2	<2	8	.5	12	3	32	1.49	.009	1	1145	3.88	73	<.01	8	.13	<.01	.01	3	38	150
BDR97-81	2	14	<3	11	<.3	3053	135	1928	8.54	391	<8	<2	<2	84	.5	33	3	45	3.79	.004	1	1183	3.37	128	<.01	3	.12	<.01	.01	6	53	270
BDR97-82	1	3	<3	6	<.3	1796	92	831	4.81	88	<8	<2	<2	12	.2	5	3	23	.84	.002	<1	1159	12.11	73	<.01	22	.12	<.01	<.01	<2	33	40
BDR97-83	<1	3	<3	5	<.3	1736	85	651	4.13	58	<8	<2	<2	10	.4	3	<3	18	.53	.002	<1	988	10.53	78	<.01	16	.07	<.01	<.01	<2	18	40
BDR97-84	1	4	<3	6	<.3	1700	80	605	4.34	125	<8	<2	<2	19	.2	<3	<3	16	1.02	.002	<1	911	11.86	71	<.01	7	.07	<.01	<.01	<2	18	85
BDR97-85	<1	25	4	30	<.3	739	48	720	3.45	101	<8	<2	<2	41	.3	<3	<3	52	1.81	.030	8	572	5.69	383	.03	<3	1.12	<.01	.44	<2	6	45
BDR97-86	2	17	<3	21	<.3	637	43	633	3.05	182	<8	<2	<2	31	.2	<3	<3	34	1.31	.037	7	556	5.78	87	.01	<3	.98	<.01	.07	<2	15	30
BDR97-87	1	10	<3	12	<.3	1284	66	792	3.47	278	<8	<2	<2	53	<.2	3	<3	20	1.89	.016	2	548	10.95	114	.01	4	.35	.01	.03	2	11	215
BDR97-88	2	45	3	41	<.3	747	58	896	4.50	257	<8	<2	<2	57	.2	<3	<3	59	2.94	.073	11	354	4.83	156	.03	4	1.22	.01	.10	<2	5	55
BDR97-89	1	9	4	7	<.3	1181	69	606	3.18	851	<8	<2	<2	40	.2	4	<3	12	1.89	.008	1	541	10.07	109	.01	<3	.19	<.01	.01	<2	29	55
BDR97-90	1	5	3	8	<.3	1282	73	619	3.14	456	<8	<2	<2	44	.3	3	<3	14	1.97	.003	1	663	11.44	83	<.01	<3	.39	<.01	.01	<2	20	50
BDR97-91	<1	3	<3	12	<.3	1466	86	654	3.77	651	<8	<2	<2	65	.4	5	<3	20	2.47	.004	<1	929	9.50	133	<.01	<3	.35	<.01	.01	<2	12	70
RE BDR97-91	<1	4	<3	12	<.3	1450	84	642	3.74	644	<8	<2	<2	65	.3	6	<3	20	2.44	.004	<1	937	9.42	132	<.01	<3	.35	<.01	.01	<2	12	55
BDR97-92	2	34	7	47	<.3	577	46	786	3.40	235	<8	<2	5	71	.3	4	<3	37	2.64	.052	14	309	3.69	164	.02	4	.75	<.01	.13	<2	6	45
BDR97-93	2	31	17	57	<.3	167	21	773	2.90	100	<8	<2	9	76	.2	4	<3	17	2.45	.051	19	53	1.23	167	<.01	4	.42	<.01	.16	3	<1	45
BDR97-94	2	39	43	117	<.3	83	13	636	2.46	119	<8	<2	9	66	.5	5	<3	8	1.98	.050	19	31	.85	174	<.01	4	.32	<.01	.17	3	<1	25
BDR97-95	2	37	34	66	<.3	343	28	785	3.17	285	<8	<2	7	51	.4	6	<3	22	1.71	.056	21	97	2.80	156	<.01	<3	.50	.01	.14	3	2	35
BDR97-96	2	32	21	71	<.3	243	21	626	2.72	98	<8	<2	7	49	.2	4	<3	11	1.61	.047	17	98	1.36	186	<.01	3	.42	<.01	.17	3	<1	15
BDR97-97	<1	3	<3	6	<.3	1459	76	716	3.53	417	<8	<2	<2	45	.4	3	<3	10	1.59	.002	1	636	10.34	66	<.01	3	.06	<.01	<.01	<2	22	140
BDR97-98	<1	5	3	3	<.3	930	57	635	3.07	441	<8	<2	<2	8	.3	3	<3	10	.21	.002	<1	682	11.02	24	<.01	3	.10	<.01	<.01	<2	23	15
BDR97-99	1	9	<3	7	<.3	1152	68	643	3.10	677	<8	<2	<2	18	.3	<3	<3	13	.79	.010	2	494	9.53	60	<.01	<3	.22	<.01	.01	<2	20	40
BDR97-100	1	32	<3	33	<.3	560	47	813	3.77	370	<8	<2	<2	64	.2	<3	<3	53	3.00	.043	8	440	6.06	99	.01	<3	1.38	<.01	.06	<2	17	30
BDR97-101	<1	21	3	20	<.3	847	56	674	3.15	516	<8	<2	<2	37	.3	3	<3	32	1.71	.032	6	474	5.70	107	.01	<3	.77	<.01	.07	<2	13	30
STANDARD C3/AU-R	27	62	36	147	5.3	36	12	723	3.21	52	22	<2	18	28	21.7	16	21	77	.56	.080	19	164	.56	144	.10	19	1.81	.04	.15	18	541	945
STANDARD G-1	2	2	4	42	<.3	9	5	549	2.00	<2	<8	<2	2	65	<.2	<3	<3	40	.59	.072	7	89	.60	246	.15	<3	1.00	.07	.47	<2	<1	<10

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au 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	Hg ppb
BDR97-102	1	33	3	31	<.3	928	62	861	4.04	413	<8	<2	2	61	.2	4	<3	41	2.54	.043	8	540	5.66	174	.01	4	.88	<.01	.09	<2	20	50
BDR97-103	1	36	7	46	<.3	566	44	825	3.82	280	<8	<2	4	51	<.2	<3	<3	43	2.05	.051	12	372	4.64	178	.02	5	.98	.01	.13	<2	14	35
BDR97-104	3	39	9	56	<.3	451	40	882	3.77	122	<8	<2	4	82	<.2	6	<3	40	3.13	.065	15	348	3.48	162	<.01	5	.95	.01	.14	<2	12	15
BDR97-106	<1	1	<3	8	<.3	1245	60	491	2.58	12	<8	<2	<2	13	<.2	<3	<3	9	.37	.005	<1	332	16.74	281	<.01	17	.04	.01	.01	4	<1	<10
BDR97-108	<1	7	<3	10	<.3	2280	112	1545	6.29	73	<8	3	<2	89	.3	12	<3	26	6.43	.005	1	1206	5.05	177	<.01	9	.15	<.01	.01	2	12	165
BDR97-109	1	7	<3	6	<.3	1353	67	961	3.99	67	<8	<2	<2	73	.2	7	3	18	9.23	.004	1	806	3.88	93	<.01	3	.11	<.01	.01	2	42	75
BDR97-110	1	9	<3	8	.3	1420	88	946	4.64	147	<8	<2	<2	120	.2	16	3	24	7.59	.004	1	928	6.63	130	<.01	7	.19	.01	.01	<2	22	390
BDR97-111	<1	35	<3	9	<.3	1327	84	664	3.69	40	<8	<2	<2	28	.2	<3	<3	25	1.46	.002	<1	1196	11.08	23	<.01	7	.26	<.01	<.01	<2	19	80
BDR97-112	<1	6	<3	11	<.3	1108	72	542	3.62	36	<8	<2	<2	29	.2	<3	<3	37	1.85	.002	<1	1264	11.18	19	<.01	6	.81	<.01	<.01	<2	33	55
RE BDR97-112	1	6	<3	11	<.3	1089	71	530	3.57	33	<8	<2	<2	29	<.2	<3	3	36	1.83	.002	<1	1227	11.02	19	<.01	6	.81	<.01	<.01	<2	27	50
BDR97-113	1	<1	5	19	<.3	590	59	592	4.42	56	<8	<2	<2	12	<.2	<3	3	109	.87	.007	<1	806	7.92	148	.02	4	3.10	<.01	.09	<2	13	45
BDR97-114	1	1	<3	10	<.3	1105	73	429	3.46	98	<8	<2	<2	6	<.2	<3	<3	31	.57	.002	<1	1240	12.20	41	<.01	7	.43	<.01	.01	<2	44	40
BDR97-115	1	36	<3	9	<.3	1187	83	588	3.63	113	<8	<2	<2	12	.2	<3	<3	32	1.26	.002	<1	1209	12.16	26	<.01	6	.38	<.01	.01	<2	36	180
BDR97-116	<1	<1	<3	9	<.3	1018	58	738	3.23	51	<8	<2	<2	32	.2	<3	3	37	1.85	.002	<1	1452	10.12	121	<.01	6	.60	<.01	<.01	<2	31	30
BDR97-117	1	<1	<3	8	<.3	666	49	774	2.34	41	<8	<2	<2	37	<.2	<3	<3	32	2.98	.002	<1	1236	6.97	91	<.01	<3	.62	<.01	<.01	<2	18	30
BDR97-118	<1	<1	<3	13	<.3	557	43	1526	2.68	19	<8	<2	<2	70	<.2	<3	<3	51	4.53	.004	<1	761	6.36	86	.03	3	2.17	<.01	.02	<2	6	25
BDR97-119	<1	<1	<3	11	<.3	502	39	1147	2.50	34	<8	<2	<2	47	<.2	<3	<3	41	3.80	.002	<1	731	5.83	61	.03	<3	2.08	<.01	.01	<2	7	10
BDR97-120	<1	6	4	4	<.3	784	60	1032	2.98	131	<8	<2	<2	301	<.2	10	<3	15	9.86	.002	<1	521	8.74	131	<.01	3	.12	.01	.01	3	17	135
BDR97-121	1	<1	<3	7	<.3	33	26	695	4.59	52	<8	<2	<2	79	<.2	<3	<3	22	3.85	.012	<1	9	2.47	68	<.01	12	.37	.01	.23	<2	1	50
BDR97-122	1	<1	<3	15	.3	37	18	1178	6.08	44	<8	<2	<2	386	<.2	<3	<3	25	15.14	.005	1	18	5.49	61	<.01	5	.22	.01	.12	<2	1	20
BDR97-123	1	3	<3	8	<.3	645	41	415	2.10	<2	<8	<2	<2	53	<.2	<3	<3	33	4.00	.002	<1	997	4.67	64	.01	<3	1.18	<.01	.01	<2	<1	<10
BDR97-129	2	<1	4	11	<.3	46	25	561	4.17	<2	<8	<2	<2	45	<.2	<3	<3	97	4.44	.019	<1	95	2.76	148	.10	<3	2.32	.01	.03	<2	<1	15
BDR97-130	3	1	<3	9	<.3	40	23	541	3.73	<2	<8	<2	<2	30	<.2	<3	<3	89	3.34	.015	1	51	2.37	120	.09	3	2.22	.01	.01	<2	<1	<10
BDR97-131	1	3	<3	9	<.3	45	32	655	5.55	<2	<8	<2	<2	49	<.2	<3	<3	127	3.30	.014	1	51	3.15	299	.01	<3	2.89	.01	.04	<2	<1	20
BDR97-132	3	<1	<3	9	<.3	55	31	746	5.25	<2	<8	<2	<2	74	<.2	<3	<3	116	4.77	.011	2	89	3.58	390	.01	<3	2.16	.01	.06	<2	<1	35
BDR97-133	2	<1	<3	7	<.3	51	25	646	4.59	14	<8	<2	<2	96	<.2	13	<3	81	7.95	.008	1	86	4.03	161	<.01	7	1.18	.01	.09	<2	<1	35
BDR97-134	3	<1	<3	8	<.3	48	28	699	5.03	5	<8	<2	<2	77	<.2	<3	<3	90	4.71	.011	1	58	2.73	180	<.01	6	1.15	.01	.14	<2	1	90
BDR97-135	1	1	<3	12	.3	77	31	794	5.34	3	<8	<2	<2	99	<.2	<3	<3	124	5.46	.010	1	88	3.22	163	<.01	4	1.45	.01	.08	<2	1	20
BDR97-136	2	<1	4	8	<.3	51	28	793	4.95	<2	<8	<2	<2	74	<.2	<3	<3	108	4.72	.011	<1	59	3.27	195	.01	<3	2.01	.01	.08	<2	1	20
BDR97-137	1	2	<3	10	<.3	60	32	709	4.86	<2	<8	<2	<2	54	<.2	<3	<3	126	3.51	.011	<1	114	3.37	193	.04	4	2.72	.01	.05	<2	<1	15
BDR97-138	<1	<1	<3	8	<.3	74	31	856	4.75	<2	<8	<2	<2	76	<.2	<3	<3	126	4.79	.008	1	160	3.90	201	.01	4	2.33	.01	.06	<2	<1	10
BDR97-139	2	1	<3	8	<.3	17	9	788	4.28	9	<8	<2	<2	254	<.2	<3	<3	32	10.80	.007	<1	13	4.12	58	<.01	4	.24	.01	.04	2	1	40
BDR97-140	1	<1	4	10	.3	45	23	728	4.91	51	<8	<2	<2	150	<.2	<3	<3	24	6.20	.014	1	16	2.88	84	<.01	8	.37	.01	.20	<2	<1	45
BDR97-141	1	1	<3	6	<.3	437	34	452	2.62	16	<8	<2	<2	40	<.2	<3	<3	55	2.79	.005	<1	763	3.77	55	.01	5	1.38	.01	.04	<2	<1	<10
BDR97-142	2	1	3	5	<.3	1453	78	523	3.94	71	<8	<2	<2	11	<.2	4	3	21	.35	.002	<1	1029	13.34	58	<.01	31	.12	<.01	<.01	<2	41	25
STANDARD C3/AU-R	27	62	38	154	5.7	37	13	765	3.37	49	23	<2	19	30	22.7	17	20	82	.60	.084	20	171	.59	142	.10	19	1.91	.04	.16	19	441	935
STANDARD G-1	2	2	<3	47	<.3	11	5	622	2.24	<2	<8	<2	3	71	<.2	<3	<3	45	.67	.080	8	96	.68	270	.16	<3	1.09	.07	.52	<2	1	<10

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au 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	Hg ppb
BDR97-143	1	<1	<3	2	<.3	336	23	156	.92	44	<8	<2	<2	3	<.2	<3	<3	2	.06	.002	<1	331	4.72	4	<.01	<3	.05	<.01	<.01	<2	27	<10
BDR97-144	1	6	5	5	<.3	1401	81	596	3.35	715	<8	<2	<2	8	<.2	4	<3	8	.14	.002	<1	534	11.84	64	<.01	3	.06	<.01	<.01	<2	33	10
RE BDR97-144	2	6	3	6	<.3	1487	86	630	3.58	751	<8	<2	<2	9	<.2	4	<3	10	.15	.002	<1	583	12.63	68	<.01	3	.06	<.01	<.01	<2	34	<10

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data ✓ FA ___

APPENDIX B

Rock Sample Locations and Descriptions

Brik Rock Samples 1997

bdr #	Description	location easting	northing	Au (ppb)	As (ppm)
br97-01	frostboil compilation,umafic,listwanite	2800	4485	1	9
9702	float,list.	2600	4378	4	112
9703	qz chalcedony veinlets, float	2600	4385	7	69
9704	float,list.,qz veins	2615	4385	3	14
9705	comp from soil pit,qzt,schist	2400	4825	2	24
9706	qzt, tuff	2400	4725	4	4
9707	list. green mineral,qz, feox'd, oc hill	2610	4680	22	183
9708	intense feox'd from oc hill	2610	4678	50	127
9709	tuff, magnetite,qz vein silic	2620	4375	6	12
9710	sheared umafic, beside monolith, 1.5m	2611	4708	3	49
9711	list from monolith,nonmag,classic qz vein	2610	4710	5	194
9712	monolith,qz vein, breccia, weakmag	2610	4710	23	51
9713	from **pit 3**,2.2m depth umafic, alt'd	2585	4730	29	495
9714	**pit4**,0.6m, abun qz, list	2585	4752	7	370
9715	**pit4** sheared rock, qz vein jasper	2585	4752	3	128
9716	**pit 5**,2m,qz breccia,umafic, magnetite	2605	4770	3	23
9717	**pit5**,1.5m comp	2605	4770	2	46
9718	qz veined very alt'd tuff	2500	4331	3	336
9719	umafic boulder from soil pit	2500	4425	4	1265
9720	**pit 1**, silicified qz veined list.	2585	4675	19	191
9721	compilation of alt'd tuffs, silic	2500	4850	3	12
9722	**pit 7** qz veined breccia, umafic,magnetite	2610	4750	9	96
9723	**pit7** grab sample bottom of pit	2610	4750	6	44
9724	**pit8** list,qz veined,chalcedony,umafics	2610	4725	4	58
9725	**pit9** list., umafics	2630	4750	13	114
9726	**pit10**, umafic,soapy,talcose clay	2650	4775	4	25
9727	**pit10**, umafic,undeformed, massive	2650	4775	3	15
9728	**pit11**, list. w qz chalce veins, 1m depth	2653	4790	5	96
9729	**pit11**,3mdepth, very alt'd umafic, vuggy	2653	4790	6	62
9730	**pit11**, 4.5m depth, umafic, breccia w jasper	2653	4790	27	79
9731	**pit11** 4.5msheared,alt'd,magnetite/jasper	2653	4790	4	38
9732	**pit11**,4.5m list. qz/chalce/jasper,um blox	2653	4790	6	140
9733	**pit12**, um/list breccia, jasper/qz/chalce fill	2675	4812	15	95
9734	**t1** 17m, qz veined boulders in trench				
9735	**t1** 15-18				
9736	**t1** 12-15				
9737	**t1** 9-12				
9738	**t1** 6-9				
9739	**t1** 3-6				
9740	**t1** 0-3				
9741	**t1** 11m list boulder				
9742	**t1** 27m, list boulder			131	411
9743	**t1** 18-21				
9744	**t1** 21-24				
9745	**t1** 24-27east				
9746	**t1** 27-30, east			55	98

Brik Rock Samples 1997

bdr #	Description	location easting	northing	Au (ppb)	As (ppm)
9747	**t1** 27-30, west				
9748	**t1** 24-27west				
9749	**t1** 30-33				
9750	**t1** 33-36				
9751	**t1** 36-39				
9752	**t1** 39-42				
9753	**t1** 42-45				
9754	**t1** 45-49				
9755	**t2** 0-3			510	28
9756	**t2** 3-6				
9757	**t2** 6-9				
9758	**t2** 9-12				
9759	**t2** 12-15				
9760	**t2** 12-15 qz vein				
9761	**t2** 15-18				
9762	**t2** 15-18,fuchsite, micaceous				
9763	**t2** 18-21				
9764	**t2** 21-24				
9765	**t2** 21-24, rusty horizon w fuchsite				
9766	**t2** 24-27				
9767	**t2** 30-33				
9768	**t2** 33-36				
9769	**t2** 36-39				
9770	**t3**-0-3				
9771	**t3**-3-6				
9772	**t3**-6-9				
9773	**t3**-9-12				
9774	**t3**-12-15				
9775	listwanite,rusty silicified from 11m, **t3**				
9776	" from 3-6,**t3**				
9777	**t3**-15-18				
9778	**t3**-18-21				
9779	**t3**-21-24				
9780	**t3**-24-27				
9781	listwanite, boxwork, rusted,18-19,**t3**			53	391
9782	**t4**-18-21				
9783	**t4**-21-24				
9784	**t4**-24-27				
9785	**t4**-27-30				
9786	**t4**-30-33				
9787	**t4**-33-36				
9788	**t4**-36-39				
9789	**t4**-39-42				
9790	**t4**-42-45				
9791	**t4**-45-48				
9792	**t4**-48-51				

Brik Rock Samples 1997

bdr #	Description	location easting	northing	Au (ppb)	As (ppm)
9793	**t4**-51-54				
9794	**t4**-54-57				
9795	**t4**-57-60				
9796	**t4**-60-62				
9797	**t5**-12-15				
9798	**t5**-15-18				
9799	**t5**-18-21				
97100	**t5**-21-24				
97101	**t5**-24-27				
97102	**t5**-27-30				
97103	**t5**-30-33				
97104	**t5**-33-36				
97105	ande dyke in tuff, did not send for assay	2415	4619		
97106	list. o/c same as BD96-01	3042	4455	1	12
97107	umafic, alt'd, sheared, nonmag, tourmal?	3090	4475	1	5
97108	**t6**-0-3				
97109	**t6**-3-6				
97110	**t6**-6-9				
97111	**t6**-9-12				
97112	**t6**-12-15				
97113	**t6**-15-18				
97114	**t6**-18-21				
97115	**t6**-21-24				
97116	**t6**-24-27				
97117	**t6**-27-30				
97118	**t6**-30-33				
97119	**t6**-33-36				
97120	**t6**-39-42				
97121	**t7** alt'd umafic,aspy or py, qz veins and pods	2863	4536	1	52
97122	**t7** qz vein fuchsite, py				
97123	**t8** umafic, sheared, serp.				
97124	list from old hand pit, magnetite	2548	4207	12	143
97125	umafic, magnetite,qz veins, chalcedony	2510	4247	1	237
97126	black tuff, glassy, vuggy, perlite	1950	4480	2	6
97127	glassy tuff, 5% black vitreous crystals,perl?	1921	4530	1	6
97128	mafic dyke/sill, fine grained	1652	4810	1	7
97129	**t9**-0-3				
97130	**t9**-3-6				
97131	**t9**-6-9				
97132	**t9**-9-12				
97133	**t9**-12-15				
97134	**t9**-15-18				
97135	**t10**-0-3				
97136	**t10**-3-6				
97137	**t10**-6-9				
97138	**t10**-9-12				

Brik Rock Samples 1997

bdr #	Description	location easting	northing	Au (ppb)	As (ppm)
97139	**t7** qz vein fuchsite, py, from along trench length				
97140	**t7** purple stained umafic, alt'd, fuchsite,				
97141	**t8** talc, pyrophyll, alt'd umafic,rare qz vein, serp.				
97142	**t4** 21m, **clay alt'd umafic** or dacit dyke,chalce, qz,mag				
97143	**t5** 18m, rusted fracts, qz veins, possible adularia				
97144	**t5**, dacite dyke or **alt'd umafic**				
BMR9701	qfp?, mainly qz, 5% dissem black mineral multi event chalcedony coating fracture fillings, rare fuchsite, rusty interior and weathering	2600	4430	8	310
BMR9702	float, sheared list. w magnetite on partings	2597	4375	4	719
BMR9703	list float, fuchsite, ankerite, fresh qz	2605	4385	3	325
BMR9704	mafic rock with chalcedony veins up to 5cm qz eye texture, slight rust weathering	1050	4700	1	2
BMR9705	breccia, graph schist and qz clasts, matrix of silicified graph schist frags, glass, late qz filling of voids, along partings	1790	4569	3	2

APPENDIX C

Heavy Mineral Investigation

(sample collected from Germaine Creek 100 m upstream from baseline)

Walton Geological Services
55 Boswell Crescent
Whitehorse, Yukon
CANADA Y1A 4T2

Heavy Mineral Investigation

This report presents the results from a study of the heavy mineral content of a sample collected during the 1997 field season from the Germaine Creek area, Yukon, N.T.S. 116 B/2.

Methodology

The sample was processed at the Core Library (Exploration and Geological Services Division - Department of Indian and Northern Affairs) facility in Whitehorse, Yukon. The sample was contained in a 5 gallon bucket and weighed approximately 50 kilograms.

The following procedure was followed:

1. The silt sample was sieved through a 12 mesh screen. The -12 mesh size fraction was collected and panned down by hand to approximately 50 grams of heavy mineral concentrate.
2. The pan concentrate was checked for gold content before removal from the goldpan.
3. The pan concentrate was allowed to dry on a coffee filter perched on top of a paper plate.
4. The coffee filter containing the dried pan concentrate was used as a funnel to shepherd the concentrate into a separating funnel containing methylene iodide. This procedure was carried out under a fume hood.
5. Minerals or rock fragments with a specific gravity greater than 3.32 sink to the bottom of the funnel and were harvested by releasing the pinch clip and letting the heavy fraction to pour onto filter paper.
6. When dry, the filter paper was used as a trough to get the >3.32 fraction into a labeled glass vial.

Examination of Heavy Mineral Fraction

The following equipment was used for examination of the heavy mineral fraction:

- binocular microscope
- longwave and shortwave ultraviolet light
- penlight and handheld microscope with micrometer (for measuring the size of individual grains).
- wine cork with needle stuck in it (the most used piece of equipment - for moving around mineral grains)
- fine-tipped tweezers
- variety of magnets
- dilute HCl
- dichroscope for determining pleochroism
- stainless steel pushpin (for scratch tests) and hardness points

Mineral identification was difficult due to the very small size of most mineral grains, which was, on average, less than 1.0 mm. Mineral identification was done using basic techniques (ultraviolet light, magnification, magnetism, crystal form).

All mineral identifications must be considered tentative until confirmed by microprobe analysis.

Project Results

Approximately 15 grams of euhedral heavy mineral grains or broken fragments of heavy mineral grains were harvested from the sample:

Ilmenite $FeTiO_3$
45-55% of sample
Most of the grains were euhedral fragments from tabular hexagonal prisms. Minor alteration to leucoxene has taken place on some grains.

Magnetite Fe_3O_4
35-45% of sample
Octahedral to massive magnetite grains.

Ilmenite and magnetite were the only minerals observed in quantities greater than 0.5%. The following minerals were observed in trace amounts (0.5% of sample or lower):

Anatase TiO_2
Dipyramidal crystals and fragments, blue to gray with brilliant adamantine lustre. Low-temperature polymorph of TiO_2.

Cassiterite SnO_2
Trace amounts of massive brown cassiterite were observed.

Epidote $Ca_2(Al,Fe)_3Si_3O_{12}(OH)$
Transparent greenish yellow grains.

Hypersthene $(Mg,Fe)SiO_3$
Brownish green bladed crystals with black inclusions.

Garnet Variety of compositions
Trace amounts of pale pink and pale orange transparent garnet fragments.

Gold Au
Two grains of native gold were observed. Both grains were less than 0.1 mm and were subrounded to rounded and flattened.

Hematite Fe_2O_3
Earthy red-brown grains.

Pyrite FeS_2
Trace amounts of lustrous, untarnished massive pyrite.

Rutile TiO_2
Prismatic, acicular red-orange crystals, some exhibiting "elbow twinning". High-temperature polymorph of TiO_2.

Staurolite $FeAl_4Si_2O_{10}(OH)_2$
Transparent orange-brown grains.

Topaz $Al_2SiO_4(OH,F)_2$
Trace amounts of pale brown transparent grains.

Zircon $ZrSiO_4$
Transparent clear to pale yellow euhedral to rounded tetragonal crystals.

Reference

Gleeson, C.F., 1970, Heavy mineral studies in the Klondike area, Yukon Territory. Geological Survey of Canada, Bulletin 173, 63 p.

L. Walton, M.Sc., G.G.
October 20, 1997

APPENDIX D

Geophysical Interpretation

MEMORANDUM

AMEROK GEOSCIENCES LTD.
11 Canyon Cres., Whitehorse, YT, Y1A 5V8 Phone: (867) 668-7672 Fax:(867) 393-3577 amerok@yknet.yk.ca

To: Harmen Keyser
Radius Explorations Ltd.

From: Mike Power

Re: BRIK Property - IP surveys

This memorandum is a field report describing induced polarization surveys conducted on the Brik Property from October 7 - 11, 1997. The surveys were conducted by Amerok Ge
osciences Ltd. to further explore epithermal mineralization on the property.

a. Personnel and equipment.

The surveys were conducted by Mike Power, Dan Hall, Jeff Boyce and Chris Gooliaff. The following instruments and equipment were employed in the survey:

Transmitter:	Phoenix IPT-1 mated with 2.5 KW motor generator. Maximum output voltage: 1500 V / maximum output power approximately 2.2 KW.
Receiver:	IRIS IP-6 digital 6-channel IP time domain receiver
Data processing:	P-100 laptop and Fujitsu wide carriage colour printer. Data processing with Geopak IPSECT software and proprietary data conversion software.
Other equipment:	6-conductor 25 m IP cables, stainless steel electrodes, 4 km wire, winders, VHF radios, 4x4 truck.

b. Survey specifications :

The survey grid consisted of cut, straight-chained lines picketed every 25 metres. A total of 3.3 line-km was surveyed. Survey specifications were as follows:

Array:	Dipole-dipole
Dipole spacing:	25 m
Separations read:	n=1 to 6
Signal:	0.125 Hz / 50% duty cycle / reversing polarity
Receiver synch:	synchronization using n=1 dipole signal in most cases.
Signal sampling:	10 windows, semilogarithmic sampling over 2 s.
Measurements:	Vp (primary voltage prior to shutoff) M_n - nth time slice chargeability Mt - total chargeability Ro - apparent resistivity Sp - self potential Rs - electrode resistance
Noise threshold:	Standard deviation in Mt kept to $\leq$ 5 ms where possible. In the event that this was not possible, readings were repeated several times to ensure repeatability.
Stacking:	minimum 15 times;

c. Data processing and formats

Data was dumped to the laptop computer daily following the survey. Data was converted to Geosoft .DAT file format using proprietary software. Following this, the data was plotted using IPSECT. The attached disk contains raw dump files and Geosoft format files. Raw dump files are stored in files named IP10dd.DAT where dd is the day. Geosoft files for each line are named LLLL.GSF where LLLL is the line number.

The data is plotted in the attached colour pseudosections. These show the data plotted as per the convention in the legend and contoured to reveal anomalous responses. The upper pseudosection shows apparent resistivity in ohm-m and the lower pseudosection is the total chargeability in milliseconds (msec). Common colour bars were used in all four plots. In addition, copies of the total magnetic field data collected during the prior mag survey are appended.

d. Interpretation

As per your instructions, only a cursory interpretation of the data has been performed. Targets which may be of interest are indicated by black lines; these mark the horizontal projection of the interpreted top of the source bodies. Dashed portions of the anomaly lines indicate the uncertainty in the anomaly location or a possible extension of the source body. All of the targets indicated by central solid lines have responses expected from steeply to moderately dipping targets. Flat resistivity highs and those which appear to have "keels" in the pseudosections are interpreted to be patches of permafrost; these commonly show resistivities in the range of 1400 to 5000 ohm-m. The zone of high resistivity on the north end of lines 2600E and 3000E appears to be the Tertiary tuff unit. Flat lying to shallow dipping graphitic Klondike Schist was encountered in a trench near line 2700E and appears to account for the broad responses on lines 2700E and 2800E. The responses on line 2600E may also be caused by this unit if it plunges to the west. The extent of these anomalies is indicated by dashed lines on both pseudosections. Secondary anomalies with source bodies dipping at steeper angles appear to be located within this unit. Specific remarks for each line follow:

Line 2600E

Bad, frozen dry gravels encountered on the south section of the line. Particular problems in the area of 4100N - 4350N. Electrodes were doubled and salted in this interval and readings repeated several times. Despite this, a number of readings produced unacceptable errors and were repeated.

Three resistivity lows are indicated; those coincident or nearly coincident with chargeability anomalies are of interest. The responses suggest depths to top in the range of 50 to 100 m with the low resistivity portions of the target occurring at shallower depths than the chargeable portions of the targets. The asymmetrical resistivity and chargeability responses of the northern target suggest that the target width is less than approximately 15 m.

Line 2700E

Noisy ground conditions (but strong currents) were encountered from 4350N - 4600N and several n=5 and 6 readings were rejected.

Near surface resistivities are relatively low suggesting no extensive patches of deep permafrost. Two resistivity anomalies are indicated with apparent resistivities of approximately 20 ohm-m. These are coincident or nearly coincident with deeper chargeability highs. The responses suggest depths to top greater than 50 m.

Line 2800E

Noisy ground conditions (but strong current) were encountered from 4325N - 4600N resulted in rejection of many n=5 and n=6 readings. These conditions were similar to those on lines 2600E and 2700E and are similar to those encountered in gravel or in rocks with a high graphite content.

Two resistivity anomalies and one significant chargeability anomaly are indicated. The southern resistivity low may be graphite given the range of resistivities recorded, the coincident chargeability response and the high noise levels recorded in the data. The indicated chargeability high may be a separate feature with the large anomaly attributed to graphitic schist. It is associated with but not coincident with a narrow resistivity low centred at 4700N.

Line 3000E

No significant problems with noisy ground were encountered.

A weak chargeability high less than one dipole wide from 2300N (4300) to 2325N (4325) and a strong 50m wide chargeability high with a coincident resistivity low are apparent in the data. The source body of the northern target appears to occur at a depth equal to or less than 25 m and consists of a narrow low resistivity body (ρ - 25 ohm-m) within a wider chargeable body (M - 60 ms). The apparent intrinsic chargeability is similar to values expected for a body hosting around 10% sulphides or graphite and the apparent intrinsic resistivity is that expected for graphite or sulphides. A narrow clay- or graphite-rich fault zone surrounded by a zone of disseminated sulphides would be expected to produce a wide chargeability anomaly surrounding a narrow low resistivity anomaly.

Also attached to this report are magnetic field data plots. The base/tie line survey data is particularly interesting and indicates a N-S striking magnetic feature roughly coincident with the geochemical responses on line 2600E.

Respectfully submitted,
AMEROK GEOSCIENCES LTD.

M.A. Power
Geophysicist

/att.

This section describes total magnetic field and induced polarization surveys conducted on the Brik Property.

Total Magnetic Field Surveys

Total magnetic field surveys were conducted on the property from September 23-29, 1997. The crew consisted of Neil Visser (Technician) equipped with 2 Scintrex / EDA Omni Plus proton precession magnetometers, P-75 laptop computer, Fujitsu colour printer and F150 truck. A total of 29.15 line-km were surveyed over N-S and E-W trending survey lines. The N-S lines were surveyed at a 12.5 m station spacing and the E-W trending lines were surveyed at a 5 m station spacing. The base station magnetometer was synchronized daily with the field unit and all data was corrected for temporal geomagnetic variation.

The magnetic field surveys delineated large regional scale lows which are also apparent on government aeromagnetic maps. A strong north trending magnetic field high coincident with epithermal alteration was well defined by the E-W trending lines. The anomaly consists of a larger western high and a lower amplitude eastern high centred 25 m east of the western anomaly. Dips cannot be read accurately because of mutual interference.

Induced Polarization Surveys

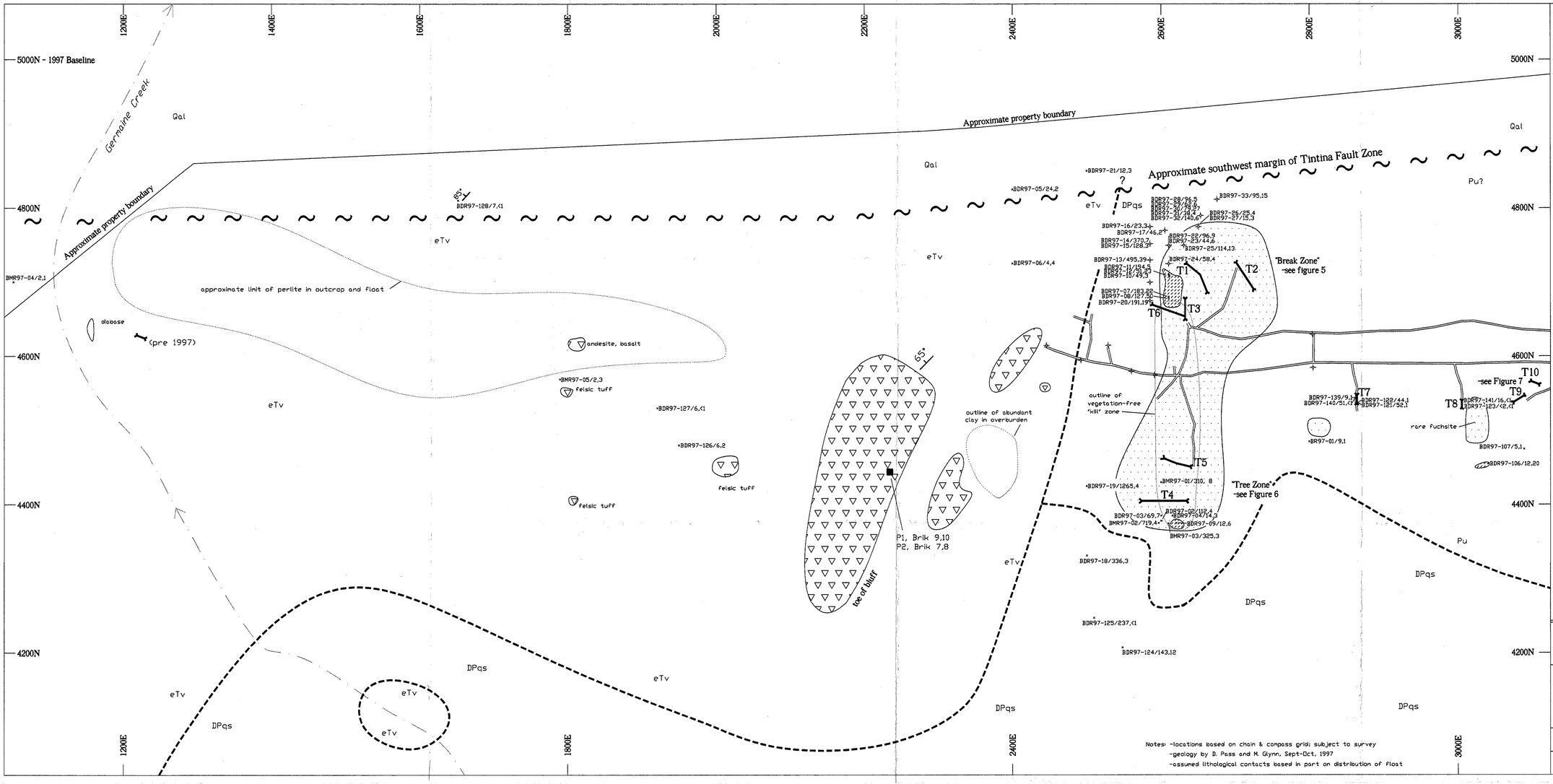
Induced polarization surveys were conducted on the property from October 7-11, 1997. The crew consisted of Mike Power (crew chief), Dan Hall (technician), Chris Gooliaff and Jeff Boyce (helpers). They were equipped with an IRIS IP-6 digital time domain receiver, 2 Phoenix IPT-1 transmitters, 2.0 and 3.0 KW motor generators, 6 conductors 25 m IP cables, stainless steel electrodes, wire, winders and radios. Data processing was performed on a P-75 laptop computer and Fujitsu DL3800 colour printer. The crew used an F250 4x4 truck to reach the property.

The surveys were conducted using a dipole-dipole array employing a 25 m dipole spacing and reading separations from n=1 to n=6. The transmitted signal consisted of a 0.125 Hz (8 s cycle) reversing polarity square wave with a 50% duty cycle. Output voltage ranged from 750 to 1500V. The receiver synchronized to the transmitter signal using the n=1 dipole. The received signal was sampled over 10 semi-logarithmically spaced windows over an interval of 2 s. Measurements of the primary (transmitted) voltage (Vp - volts), total chargeability (Mt - ms), apparent resistivity (Ro - ohm-m), self potential (Sp- volts), and electrode resistance (Rs - ohms). The receiver calculates the running standard deviation of the received signal and this was kept to less than 5 ms wherever possible. In all cases, readings were stacked a minimum of 15 times. Noisy ground was encountered in southern sections (4100 - 4500 N) on lines 2600E - 2800E, coincident with dry gravels exposed in the hill side. A number of chargeability readings at n=5 and n=6 were unreadable in this interval.

Surveys were conducted on lines 2600E, 2700E, 2800E and 3000E. These surveys delineated a chargeability high extending from L2600E 4725N to L3000E 4625N. This feature has a coincident, deeper and less well defined resistivity low. The target appears to be a moderate to steeply dipping thin target on all lines except L2700E. On L2700E, the chargeability feature

appears to consist of a narrow steeply dipping target within a larger flat lying to shallow dipping chargeable body. This is coincident with graphitic Klondike Schist exposed in trenches immediately east of the trench. This chargeability anomaly is coincident with epithermal alteration and rhyolitic (?) volcanic rocks exposed in trenches.

The geophysical surveys outlined two orthogonal features coincident with mineralization mapped on the property. The magnetic field anomaly is coincident with both the monolith and Christmas tree showings (whatever you are calling these) while the chargeability anomaly is coincident with the monolith showing and subparallel to the regional structural trend. The presence of graphite coincident with the anomaly on L2700E suggest that this target may be a deformed stratigraphic unit. Consequently the magnetic field anomaly may be the more promising target.



Legend

Lithologies

QUATERNARY

- Qal: alluvium

TERTIARY

- eTv: Felsic volcanic breccia (outcrop)

PALEOZOIC

- Pu: Ultramafic rocks, variably altered (outcrop)
- Pu: Ultramafic rocks, variably altered (float)
- DPqs: quartzite and schist

Symbols

- Margin of Tintina Fault Zone
- Assumed lithological contact
- T1 1997 Excavator trench
- 1997 Excavator pit
- Rock sample location, No./As ppm, Au ppb
- "Cat" trail

0 50 100 150 200 250
metres

Notes: -locations based on chain & compass grid; subject to survey
-geology by D. Pass and M. Glynn, Sept-Oct, 1997
-assumed lithological contacts based in part on distribution of float

DWG (1)

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Brik Property
093 8 8 0

1997 Grid Area
Geology and Rock Samples

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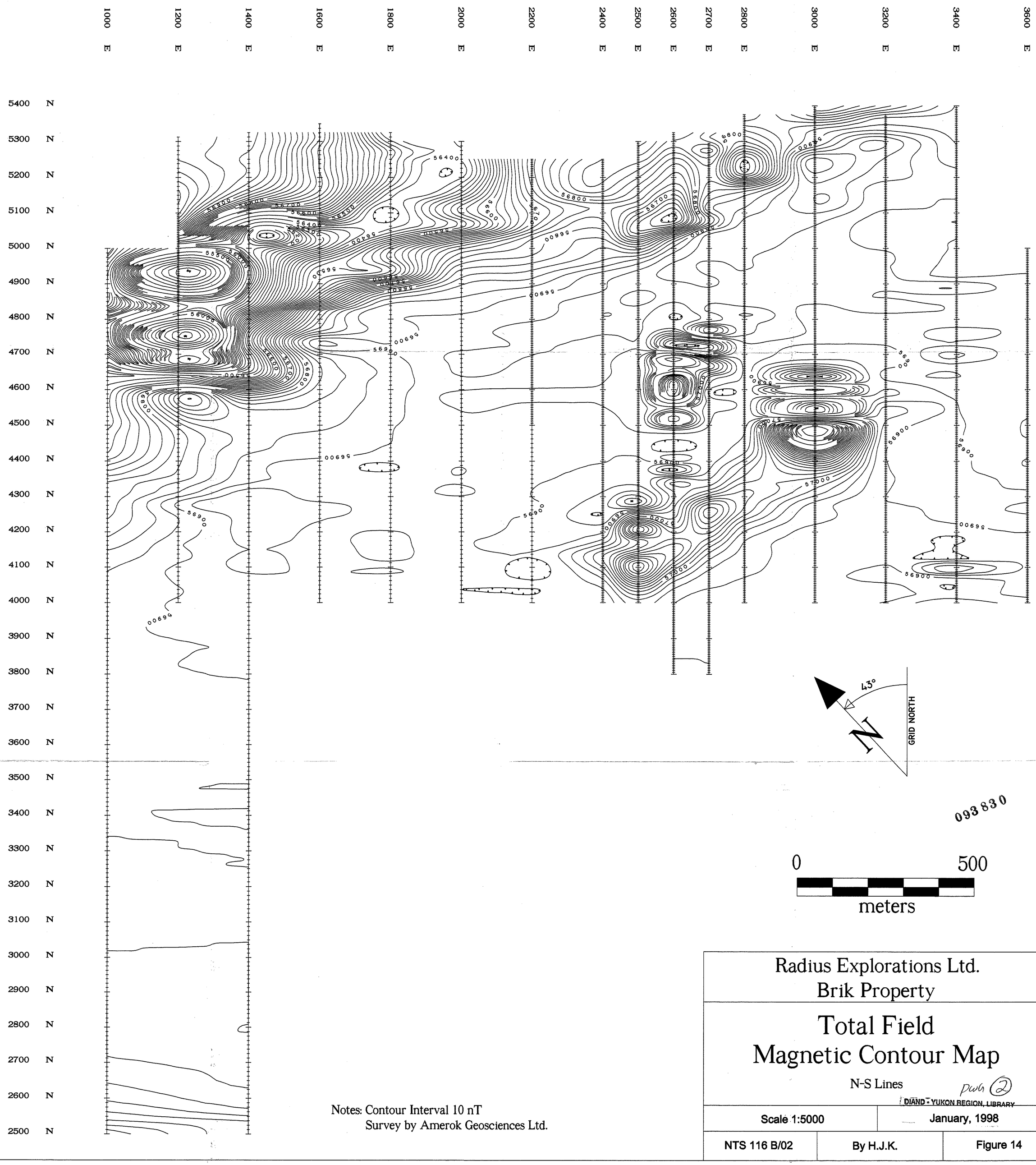
Scale 1:2500	January, 1998	
NTS 116B/02	By D.J.P., H.J.K.	Figure 4



Notes: Contour Interval 10 nT
Survey by Amerok Geosciences Ltd.

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Total Field
Magnetic Contour Map

N-S Lines

pwb (2)
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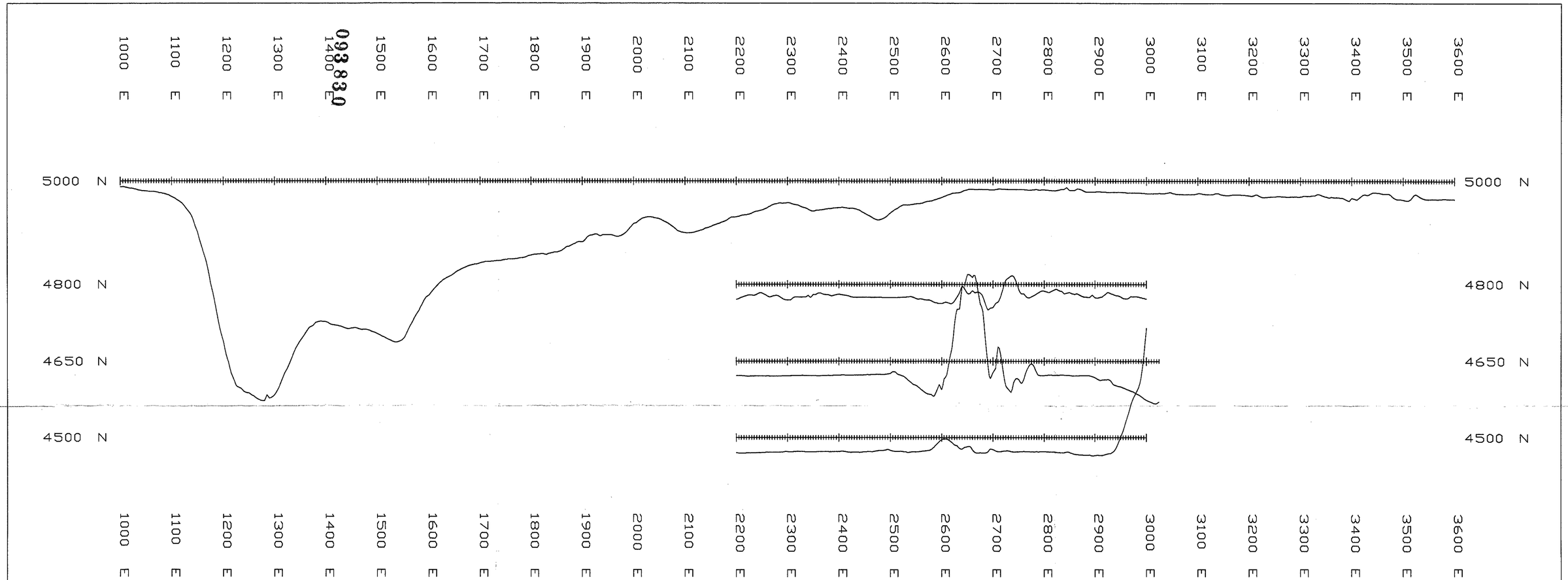
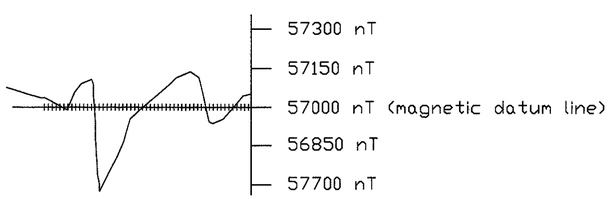
093 830

Scale 1:5000		January, 1998
NTS 116 B/02	By H.J.K.	Figure 14

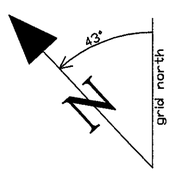


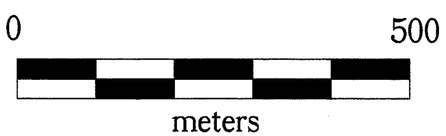
093 B 3.0

Legend



1 cm = 50 nT





Survey by Amerok Geosciences Ltd.

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Total Field Magnetic Profile Map

E-W Lines

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Dwg (3)

Scale 1:5000	January, 1998	
NTS 116 B/02	By H.J.K.	Figure 15

Figure 16a - L2600E

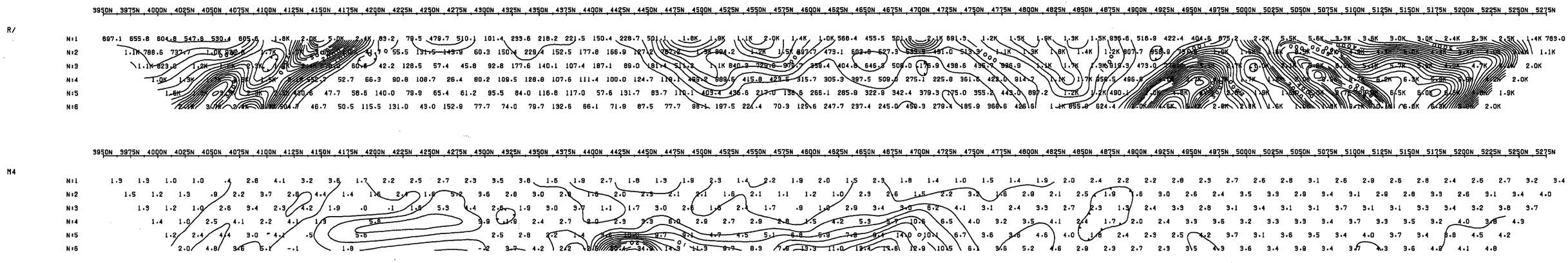


Figure 16b - L2700E

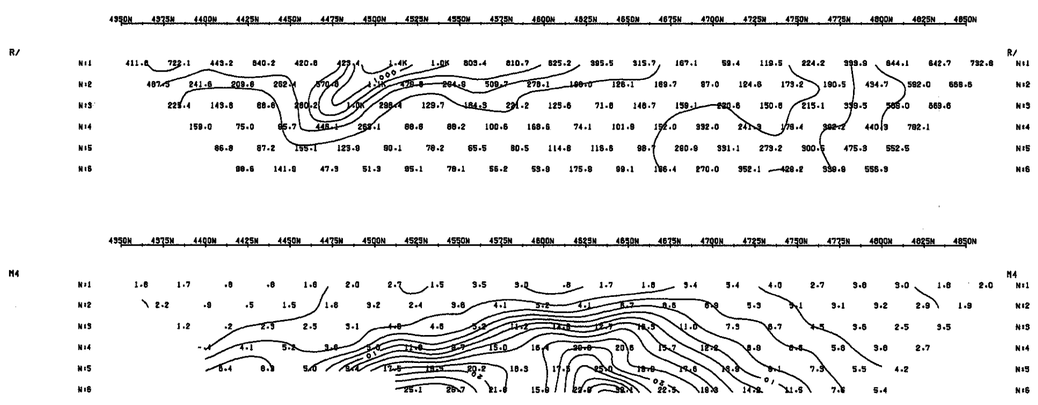


Figure 16c - L2800E

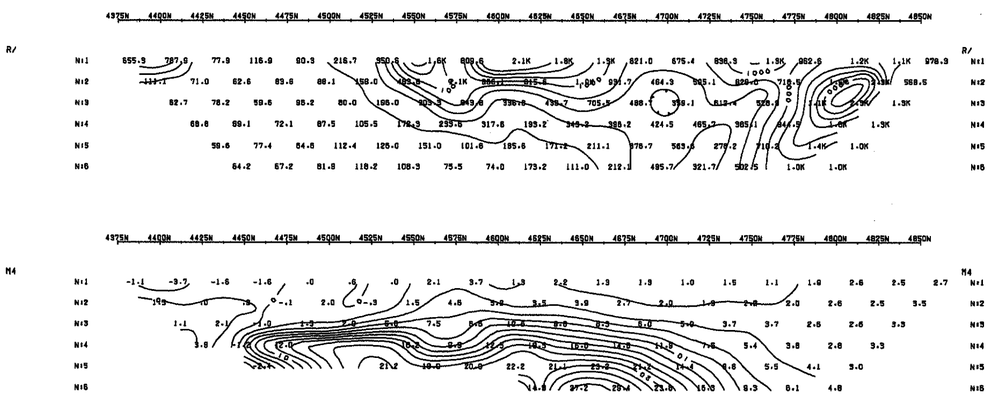
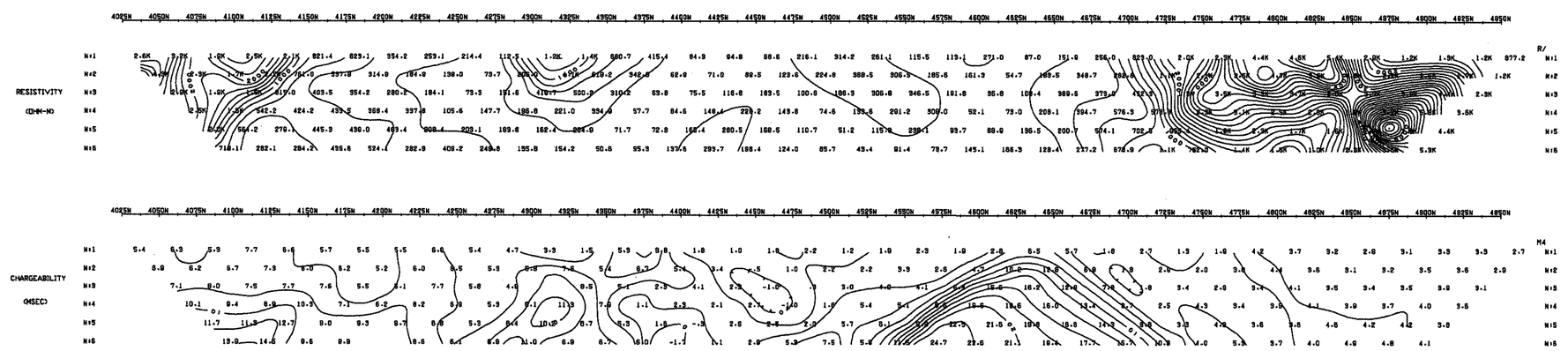
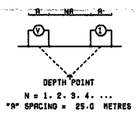


Figure 16d - L3000E



INDUCED POLARIZATION SURVEY

DIPOLE-DIPOLE ARRAY



093830

0 50 100 150 200

meters

Survey by Amerok Geosciences Ltd., Oct. 1997

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Brik Property

Dawson M.D., Yukon

Duds (4)

Induced Polarization Survey

Pseudosections for Lines 2600, 2700, 2800, 3000E

Scale 1:2500	January, 1998	
NTS 116 B/02	By: HJK	Figure 16