Regional Geologist, Kamloops **Date Approved:** 2005.06.17 **Off Confidential:** 2005.10.29

ASSESSMENT REPORT: 27619 **Mining Division(s):** Kamloops

Property Name: Broken Hill - Leo

Location:

NAD 27	**Latitude:**	51 50 00	**Longitude:**	119 15 00	**UTM:**	11	5744677 344967
NAD 83	**Latitude:**	51 50 00	**Longitude:**	119 15 04	**UTM:**	11	5744897 344896
NTS:	082M14E						
BCGS:	082M084						

Camp:

Claim(s): Leo 2, Vista, Navan 3-5, Vista 3, Mike

Operator(s): Timer Explorations Ltd.
Author(s): Lindinger, J.E.L.(Leo)

Report Year: 2005

No. of Pages: 63 Pages

Commodities Searched For:

General Work Categories: GEOC

Work Done: Geochemical
ROCK Rock (32 sample(s);)
Elements Analyzed For : Multielement
SILT Silt (19 sample(s);)
Elements Analyzed For : Multielement
SOIL Soil (317 sample(s);)
Elements Analyzed For : Multielement

Keywords: Proterozoic, Shuswap Metamorphic Complex, Amphibolites, Quartz veins, Pyrrhotite

Statement Nos.: 3219388

MINFILE Nos.: 082M 279, 082M 280, 082M 281

Related Reports: 26249, 26546, 26692, 26754, 27271

GEOCHEMICAL ASSESSMENT REPORT

on the

Broken Hill - Leo Property

(VISTA, VISTA A, VISTA 1-8, 10, 11, 14-19; NAVAN 0-3, 5-11, 15, 17-26;
MIKE; MIK1; MIK2; MIKY; JIMM; DIAN; LEO 1, 2; LL1-8)
Kamloops Mining Division

N.T.S. 82M/14
Latitude 51^0 50' N
Longitude 119^0 15' W

For
Timer Explorations Inc.
802 – 700 West Pender Street,
Vancouver, British Columbia, V6C-1G8

Joseph E.L. Lindinger, P.Geo.

January 15, 2005

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Summary

The 133 unit (approximately 3,325 hectares) Broken Hill - Leo Mineral Property is located approximately 150 kilometres north-northeast of Kamloops and 6 kilometres east of the village of Avola, British Columbia on NTS map sheet 082M/14.

The property covers four showings discovered between September 2000 and September 2004; the Vista (15.9% Zn over 0.3m), Navan (21.5% Zn, 3.8% Pb and 11 g/t Ag), Mike (20% Zn in float) and Denis (15.5 % zinc in subcrop) occurrences.

On October 7, 2002, Cross Gold Corporation entered into an option agreement with Mr. Lindinger to acquire a 100 percent right, title and interest in the Broken Hill-Leo property, subject to a 2% purchasable Net Smelter Return (NSR). To fulfill the terms of the agreement, Cross Gold Corporation was to make $46,200 in cash payments and complete $270,000 in work commitments over a 4-year period. On November 5, 2002, B2B Solutions Inc. entered into an option agreement with Cross Gold Corp. to acquire a 100 percent right, title and interest in the property, subject to the 2% NSR royalty reserved in favour of Mr. Lindinger. In order to maintain the Option in good standing, B2B was to: (1) make scheduled cash payments to Cross Gold Corp. totalling $75,000 by October 1, 2005; (2) issue up to 300,000 shares in the capital stock of B2B to Cross Gold Corp. as prescribed in the agreement; and (3) incur at least $400,000 in exploration and/or development expenditures on the Broken Hill–Leo Property by November 5, 2006. On October 25, 2003, B2B Solutions Inc. acquired 100% ownership of Cross Gold Corp. and its assets. In August 10, 2004 B2B Solutions Inc. changed its name to Timer Explorations Inc.

The Broken Hill - Leo Property is underlain by highly deformed, high-grade metamorphic rocks of the Proterozoic to Paleozoic Shuswap Metamorphic Complex within Kootenay Terrane. Similar rocks to the east are assigned to the Proterozoic Horsethief Creek Group. The sequence consists of three distinct lithological packages; a lower amphibolite-biotite gneiss unit, a middle biotite gneiss - calc-silicate unit with minor marble and chert, and an upper mixed siliceous biotite schist and quartzite unit. The middle unit hosts known zinc-lead-silver mineralization in the region, and on the property. All lithologies are intruded by Devonian orthogneisses, Cretaceous and Tertiary felsic stocks, plugs, sills and dykes. Late Tertiary andesitic to mafic plugs and dykes, and lamprophyric dykes are common.

The Broken Hill - Leo Property covers a 9 kilometre strike extent of carbonate stratigraphy on the east side of the North Thompson River valley, favourable for hosting high-grade zinc-lead-silver 'Shuswap-style' mineralization similar to the nearby Ruddock Creek and CK Deposits. The Vista Showing is in the northwest part of the claims. The Navan Showings are located 1.3 km southeast of the Vista Showing. The Mike Float Showing is located 4 kilometres south of the Navan occurrence.

The property has no recorded mineral exploration history prior to September, 2000. From late September 2000 to early February 2001, Cassidy Gold completed a multi-phased rock and soil geochemical, gravity geophysical, and diamond drilling program over parts of the Broken Hill-Leo property to test the economic potential of the property for Shuswap style (carbonate-hosted sedimentary exhalative-type) mineralization.

Part of the work Cassidy completed included establishing a single grid over core of the property to provide control for the geochemical, geophysical and diamond drilling programs. Results from 2000 geochemical program partially outlined strong zinc, lead and silver geochemical soil anomalies. The rock sampling program detailed and expanded the mineralization in and around the known showings.

In late November to early December 2000, a gravity survey was completed over the prospective area over and between the Vista and Navan showings. Although the completed gravity survey did not extend to the Vista and Navan showings, it did produce several drill targets on moderate intensity anomalies.

In January and February, 2001, Cassidy completed a 930-metre, 13-hole diamond drill program. The holes tested approximately 1.2 kilometers of strike length along the mineralized horizon between the Vista and Navan showings, mainly on gravity anomalies. Several holes tested the down dip extent of known mineralization at the Vista and Navan Showings. The Mike area was not tested. The drill program was

successful in intersecting both the Vista and Navan mineralized horizons down dip from the surface exposures. Drilling results indicate that the Vista and Navan Horizons are the same.

Drilling intersected a mineralized portion of the Vista Horizon in DDH-BH-01-03 and DDH-BH-01-13, approximately 500 metres east-southeast of the Vista Showing. A weighted average of the mineralized zone in hole DDH-BH-01-13 yielded 2.5% Zn over 3.9 metres (2.3 metres true width). Magnetic pyrrhotite is also present. The mineralized intersection in DDH-BH-01-03, was interrupted by a pegmatite sill, with the remaining mineralization grading 1.2% Zn over 1.1 metres (true width).

DDH-BH 01-06 successfully intersected the Navan Horizon 25 metres down dip from the surface showing. However, the mineralization was disrupted, diluted and truncated by a pegmatite sill. The diluted intersection grades 1.2% Zn with 0.1% Pb over 0.25 metres. The Navan Horizon should also have been intersected in DDH-BH 01-05, 01-07 and possibly in the very top of DDH-BH-01-08, but a large sill of pegmatitic leucogranite-tonalite intrusive invades the stratigraphy in this area.

A soil sampling program was completed in the Mike area in late October 2003 co-incident with a preliminary property-wide geological mapping and rock sampling program. The soil sample results indicate that the Mike zone can be traced as a combined zinc, lead, silver and manganese anomalies for 700 meters. Smaller anomalies occur to the northwest and south. The mapping program followed the prospective carbonate horizon hosting the Mike zone mineralization to the northwest and a lower carbonate horizon to the south from north of the Leo claims. Rock sampling did not discover more zinc mineralization but did outline one area of sulphide bearing skarnified carbonate or "Bizar style" bismuth-copper-tungsten+/-gold mineralization, in the northern part of the Mike Grid.

A geochemical soil, silt, moss mat and rock sampling program was completed in September 2004. Several areas were sampled to infill, reexamine, and prospect as yet unexplored areas on the property. Prospecting resulted in the discovery of the Denis Showing 500 meters northeast of the Mike showing. Here samples of an exposure of broken sphalerite rich massive sulphide at least 25 cm thick returned 15.5% zinc, and 11.0% zinc and 2.2% lead. A short distance away a float sample of a massive pyrrhotite vein returned 1.28 g/t gold.

In conclusion the areas north and east of the Vista occurrence remain to be drill tested. The strong zinc and lead anomalies down hill from the Navan exposures require prospecting and mapping. In the Mike area the new 700 meter by 100 meter soil geochemical anomaly and a subparallel anomaly 200 meters south presents another trenching and drill target. The Denis showing requires more soil sampling, prospecting and mapping followed by trenching and drilling. The prospective stratigraphy between the Vista-Navan-Mike Horizon and the bottom of the North Thompson River valley, the extensions of the calc-silicate horizon southeast of the Navan occurrence, and many other prospective areas of the property remain poorly explored. Prospective stratigraphy needs to be traced and mapped along strike and down-dip. In particular, fold closures need to be defined in order to target areas of potential thickening. The excellent access and infrastructure add to the potential of the property.

A $38.000 property wide program of grid construction, detailed geological and structural mapping, prospecting, rock and soil geochemical sampling, ground magnetic surveys is recommended. A $41,000 excavator trenching program of the Vista, Mike and Denis showings, and any newly discovered mineralization is also recommended. A $75,000, 2500 feet of diamond drilling program is proposed for targets already outlined in the Vista, Navan, Mike and Denis areas. Total program budget is $175,000. Additional exploration expenditures are contingent on exploration success of the recommended work.

Introduction and Terms of Reference

The work documented in this report covers the results of soil, moss mat, till and rock sampling program completed on the Broken Hill-Leo property between August 1 and September 30, 2004 at the request of Brent Peters, President of Timer Explorations Inc. The 2004 soil sampling program was completed by Denis DeLisle under the supervision of J.E.L. Lindinger, P. Geo.

The conclusions made and recommendations for future exploration expenditures in this report are those of Joseph E.L. Lindinger, P.Geo.

Property Description and Location

The Broken Hill-Leo Property covers approximately 3325 hectares in east-central British Columbia, 150 kilometres north-northeast of Kamloops, B.C., within the Kamloops Mining Division (Figure 1). The centre of the property sits at 51° 50'N and 119° 15'W (NTS 082M/14) and 5744540 mN and 345500 mE, UTM Grid Zone 11 (NAD 83).

The property consists of eight 20-unit modified grid mineral claims and 48 2-post mineral claims, all contiguous (Figure 3). Table I contains information on the individual claims. The claims are currently 100% owned by Joseph (Leo) Lindinger. No legal survey has been completed on the property.

Timer Explorations Inc. (formerly B2B Solutions Inc.) holds an option to acquire a 100% right, title and interest in the property, subject to a 2% net smelter returns royalty reserved in favour of Leo Lindinger, pursuant to a Property Option Agreement entered into with Leo Lindinger, dated October 7, 2002 with Cross Gold Corp.. On October 25, 2003, Timer Explorations Inc., acquired 100% ownership of Cross Gold Corp. and its assets. In order to maintain the Option in good standing, Timer Explorations Inc. must: (1) make scheduled cash payments to Leo Lindinger totalling $46,200 by October 7, 2005; and (2) incur at least $270,000 in exploration and/or development expenses on the Broken Hills–Leo Property by October 7, 2006. The net smelter return royalty may be bought for $1,500,000. On August 12, 2004 B2B Solutions Inc. underwent a name change to Timer explorations Inc.

The Broken Hill-Leo property is not subject to any known environmental liabilities. The surface rights are owned by the Crown.

The claims cover the recently discovered Vista, Navan, Mike and Denis high grade carbonate associated zinc+/-lead+/-silver occurrences (Figure 5). There are also indications of intrusion associated gold-bismuth-coipper veins There are no known mineral resources, mineral reserves or mine workings on the property.

In preparation for a planned but deferred trenching and drilling program a $1,500.00 bond with the Ministry of Energy and Mine (MX-4-369) has been created.

Table 1
Broken Hill - Leo Property Mineral Claims

Claim	Record No.	Units	Expiry Date	Claim	Record No.	Units	Expiry Date
VISTA	380752	4	November 2, 2005*	NAVAN 15	380786	1	November 2, 2005*
VISTA 1	380753	1	November 2, 2005*	NAVAN 17	380788	1	November 2, 2005*
VISTA 2	380754	1	November 2, 2005*	NAVAN 18	380789	1	November 2, 2005*
VISTA 3	380755	1	November 2, 2005*	NAVAN 19	380790	1	November 2, 2005*
VISTA 4	380756	1	November 2, 2005*	NAVAN 20	380791	1	November 2, 2005*
VISTA 5	380757	1	November 2, 2005*	NAVAN 21	380792	1	November 2, 2005*
VISTA 6	380758	1	November 2, 2005*	NAVAN 22	380793	1	November 2, 2005*
VISTA 7	380759	1	November 2, 2005*	NAVAN 23	380794	1	November 2, 2005*
VISTA 8	380760	1	November 2, 2005*	NAVAN 24	380795	1	November 2, 2005*
VISTA 10	380762	1	November 2, 2005*	NAVAN 25	380796	1	November 2, 2005*
VISTA 11	380763	1	November 2, 2005*	NAVAN 26	380889	1	November 2, 2005*
VISTA 14	380766	1	November 2, 2005*	MIKE	380890	20	November 2, 2005*
VISTA 15	380767	1	November 2, 2005*	VISTA A	380891	8	November 2, 2005*
VISTA 16	380768	1	November 2, 2005*	MIK1	381767	1	November 2, 2005*
VISTA 17	380769	1	November 2, 2005*	MIK2	381768	1	November 2, 2005*
VISTA 18	380770	1	November 2, 2005*	MIKY	381777	8	November 2, 2005*
VISTA 19	380771	1	November 2, 2005*	JIMM	381778	3	November 2, 2005*
NAVAN 0	380772	1	November 2, 2005*	DIAN	381779	2	November 2, 2005*
NAVAN 1	380773	1	November 2, 2005*	LEO 1	381891	20	November 2, 2005*
NAVAN 2	380774	1	November 2, 2005*	LEO 2	381892	20	November 2, 2005*
NAVAN 3	380775	1	November 2, 2005*	LL1	381393	1	November 2, 2005*
NAVAN 5	380776	1	November 2, 2005*	LL2	381894	1	November 2, 2005*
NAVAN 6	380777	1	November 2, 2005*	LL3	381895	1	November 2, 2005*
NAVAN 7	380778	1	November 2, 2005*	LL4	381896	1	November 2, 2005*
NAVAN 8	380779	1	November 2, 2005*	LL5	381897	1	November 2, 2005*
NAVAN 9	380780	1	November 2, 2005*	LL6	381898	1	November 2, 2005*
NAVAN 10	380781	1	November 2, 2005*	LL7	381899	1	November 2, 2005*
NAVAN 11	380782	1	November 2, 2005*	LL8	381900	1	November 2, 2005*

* upon acceptance for assessment credit of the work documented in this report.

Accessibility, Climate, Local Resources, Infrastructure and Physiography

The Broken Hill-Leo property is located on the east side of the steep-sided North Thompson River valley, 150 km north-northeast of Kamloops, and 6 km northeast and east of the village of Avola, British Columbia (Figure 2). The region lies at the northwest end of the Shuswap Highland portion of the Interior Plateau, in an area of moderate to steep topographic relief. The North Thompson River occupies a south draining, steeply incised valley, approximately 1200 metres below the surrounding plateau. The property ranges from 580 metres elevation in the North Thompson valley to 1,750 metres on the Mike, Jimm and Dian claims east and south of Shannon Lake. The vegetation on the lower parts of the property consists of lodgepole pine, interior fir and black spruce. Balsam predominates at upper elevations, with pine on dry, substrate deficient cliffs.

Road access to the property is via Highway 5 (Yellowhead Highway) and east onto the Shannon Creek Forest Service Road, 0.5 kilometres north of Avola. The Shannon Creek FSR crosses through the property between 12.1 and 19 kilometres. The Cornice logging road originates at the 11.5 kilometres mark of the Shannon Creek FSR, and runs onto the property near the 3 kilometre mark, accessing the areas west of Fowler Lake. The Fowler logging road originates at 17.5 kilometres on the Shannon Creek FSR and accesses the east-central side of the property. The Dustin-Shannon spur originates at 15.5 kilometres on the Shannon Creek FSR and accesses the east side of Shannon Lake. Road access to the north part of the property is via Highway 5, 19 kilometres north of Avola, east onto the Finn Creek FSR, and south onto the Elevator logging road from the 0.75 kilometres mark. The property is first accessed at approximately 6 kilometres on the Elevator logging road.

Basic accommodation, food, and fuel are available in the village of Avola immediately southeast of the property. The village of Blue River 20 kilometres north of the property, has good accommodations, food and fuel, and is serviced by Greyhound Canada. The City of Kamloops, located 180 road kilometres south, is the main centre of service and supply for the area. Logging is the primary resource activity in the region. Access to numerous equipment contractors is available on relatively short notice.

The climate is moderately wet continental. Snowfall can exceed 4 metres at higher elevations, and rain showers are common in the summer and fall. Temperatures range from –25°C in winter to +30°C in summer. Most surface mineral exploration can be conducted between May and early November. Geophysical exploration and mining can take place year round.

The CN Rail mainline in the north Thompson River valley is less than 2.5 kilometres west of the property. A medium sized high tension power line strikes through the west side of the valley. Gas and oil pipelines are located in the valley. Sufficient water and room for potential waste disposal, tailings storage, and processing plant sites all exist in the general project area.

Figure 1 Property Location Map

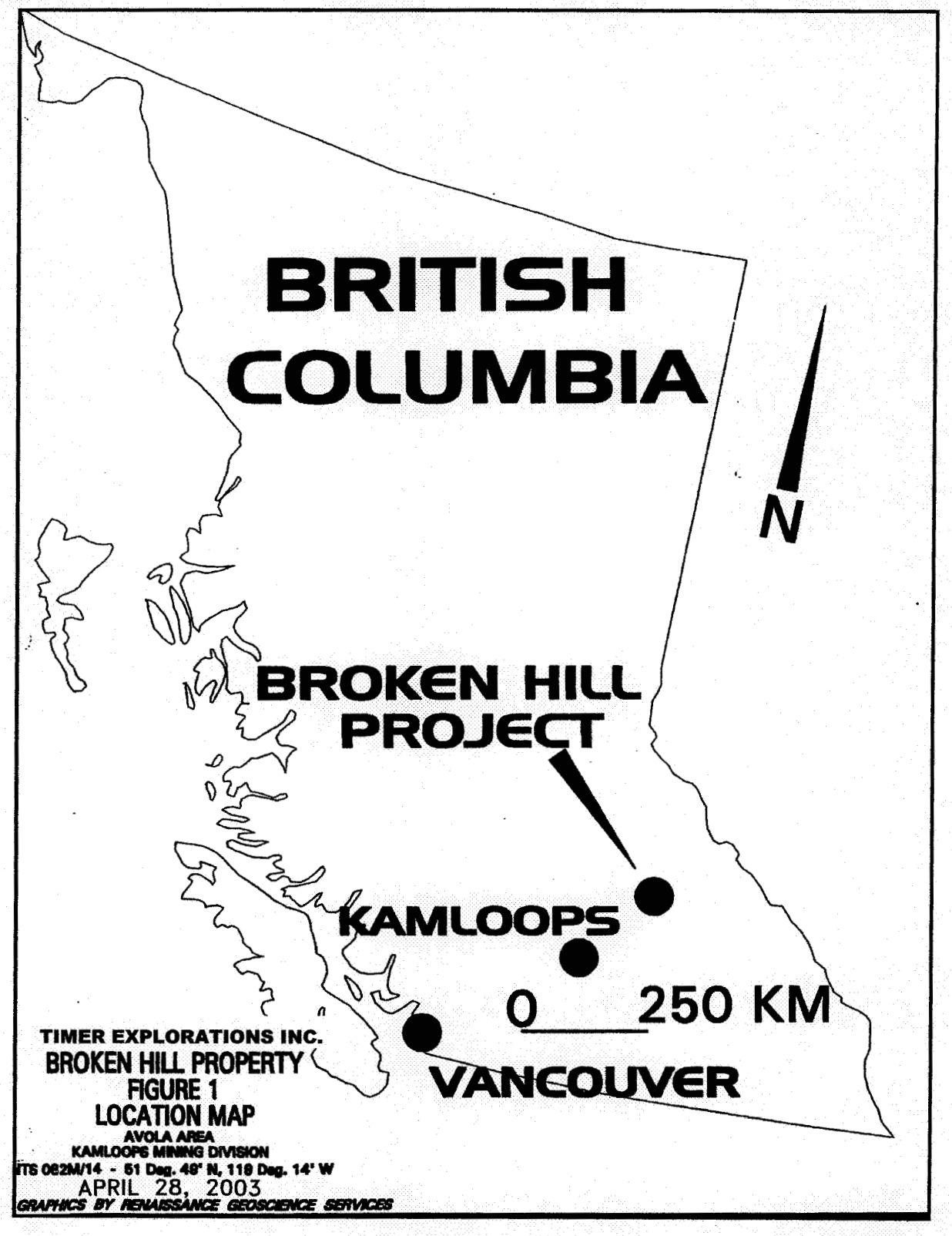


Figure 2 Topography and Access

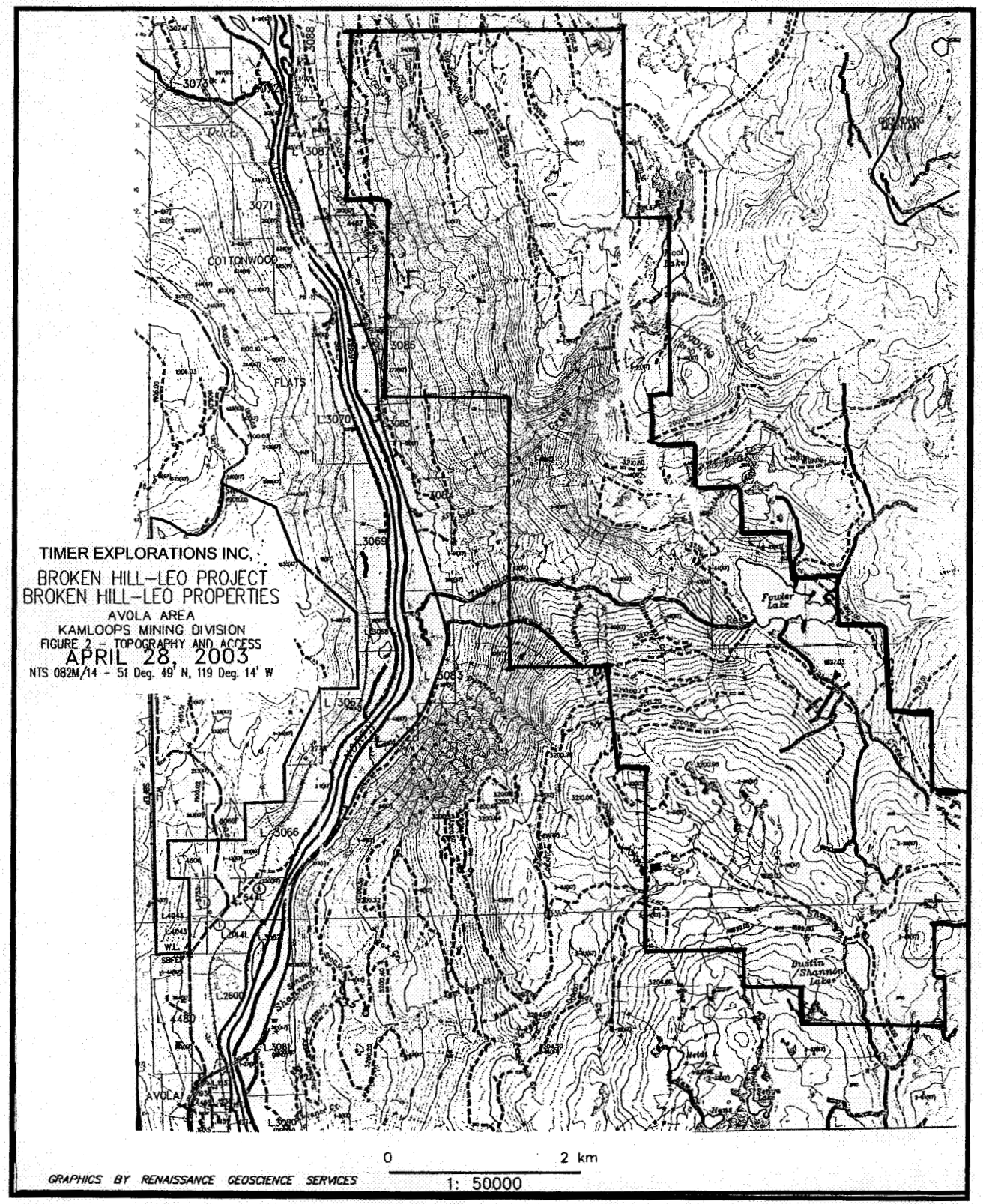
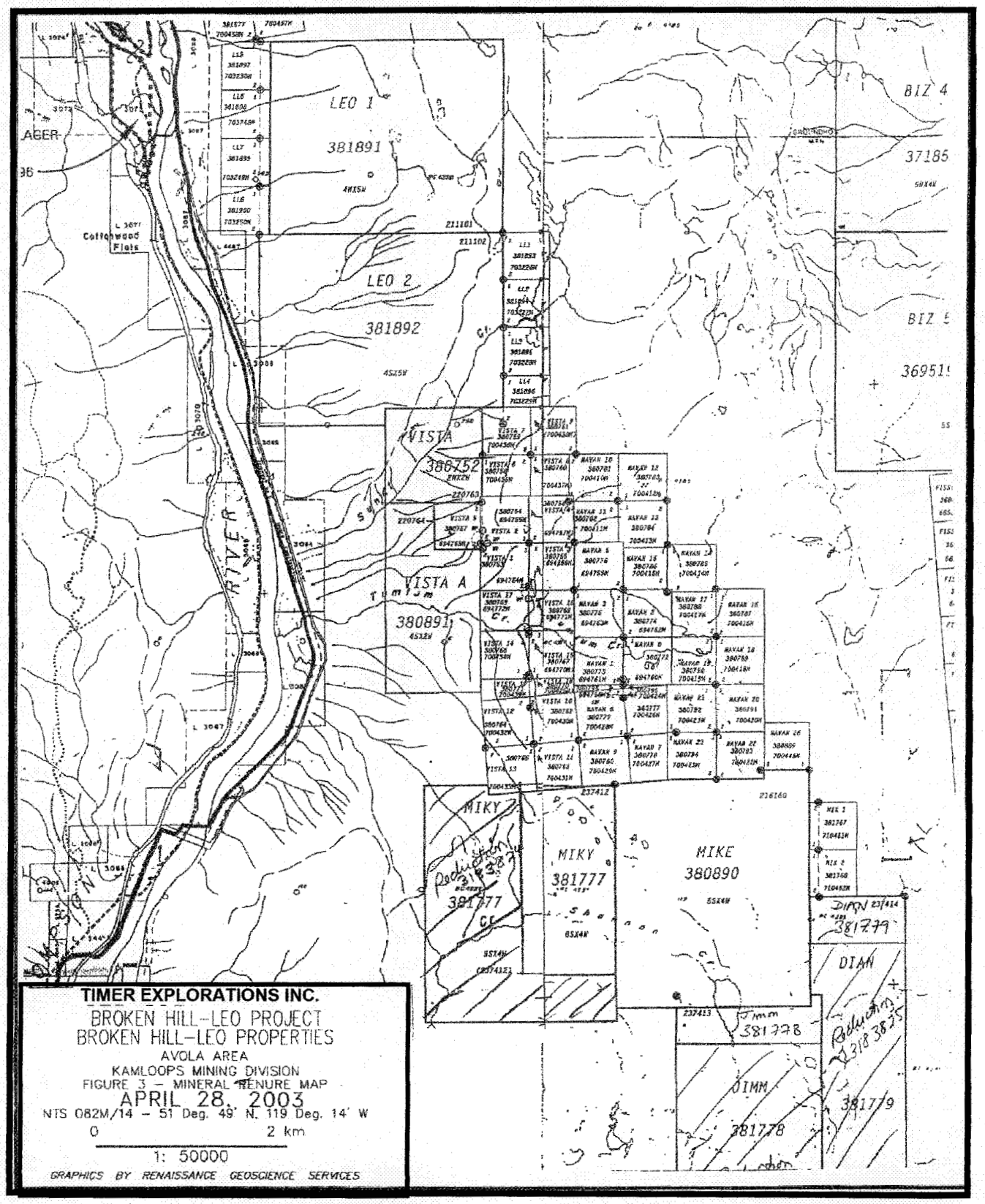


Figure 3 Mineral Tenure Map



History

The oldest known significant zinc-lead-silver massive sulphide base metal discoveries in the region include Cotton Belt (1905) and Ruddock Creek (1961) to the east in the Monashee Mountains. With increased access due to logging activity, occurrences such as the CK (1972) and Finn (1978) zinc-lead-silver massive sulphide deposits, Dimac tungsten skarn, and the Trio and Hydro molybdenum prospects were discovered. More recent discoveries include the Bizar Au-Bi-Cu veins (1998) east of Ground Hog Mountain, the Readymix Au-Bi-Cu veins (2000) about 10 km to the west, and the Broken Hill massive sulphide showings (2000).

A government regional geochemical silt survey was completed in 1972. Results indicate that drainages originating from the current Broken Hill - Leo property are moderately to weakly anomalous in zinc, lead and gold. Since 1979, various prospectors and mining companies have staked claims north, south and east of the area now covered by the Broken Hill - Leo Property.

Prior to the discovery of the Vista, Navan and Mike (Broken Hill) zinc-lead-silver massive sulphide showings in September 2000, mineral exploration on the current Broken Hill - Leo Property was limited to prospecting.

In September 2000, the newly staked Broken Hill Property was optioned to Cassidy Gold Corporation. In October 2000, Cassidy conducted limited geological mapping and soil and rock sampling over approximately 5 square kilometres in the central part of the Broken Hill Property. A total of 479 soil samples and 30 rock samples were collected under the supervision of Warner Gruenwald, P.Geo. (Gruenwald, 2000). This program produced several open-ended soil anomalies (Figures 7a-d). Subsequently, additional claims were staked, including the Leo claims north of the Vista area.

In December 2000, a gravity survey was completed by Discovery Geophysics Ltd. (Kubo and Woods, 2001). In late January and early February, 2001, a 13 hole, 930 metre diamond drill program was completed by LDS Diamond Drilling Ltd. of Kamloops, B.C. The drill program targeted gravity and geochemical anomalies and down dip extensions of the Vista and Navan mineralized horizons (Lindinger and Pautler, 2001). Results from the diamond drilling program were generally disappointing.

Based on those results, Cassidy terminated the option agreement on September 6, 2001.

On October 7, 2002, Cross Gold Corporation entered into an option agreement with Mr. Lindinger to earn a 100 percent right, title and interest in the Broken Hill - Leo property, subject to a 2% purchasable net smelter return royalty.

On November 5, 2002, B2B Solutions Inc. entered into an option to acquire a 100 percent right, title and interest in the property, subject to a 2% net smelter return royalty reserved in favour of the underlying owner.

On October 25, 2003, B2B Solutions Inc. acquired 100% ownership of Cross Gold Corp. and its assets, including the option on the Broken Hill - Leo Property.

On November 1, 2003, a program of soil sampling, geological mapping and rock sampling was completed at a total cost of approximately $25,000, prior to the November 2, 2003, tenure expiry date.

On August 10, 2004 B2B Solutions Inc. changed names to Timer Explorations Inc.

In Late August and September 2004, a program of soil, moss mat and rock sampling was completed at a total cost of approximately $20,000, prior to the September 15, amended date to fulfil the work commitment terns of the Option Agreement. Further exploration requirements under the Option Agreement were deferred till the summer of 2005.

Geological Setting

Regional Geology

The northern Monashee Mountains are underlain by rocks of Kootenay Terrane within the Omineca Belt. The property is underlain by the Shuswap Metamorphic Complex consisting of late Proterozoic to early Paleozoic marine sediments and rare volcanic rocks, derived from the ancestral margin of North America (Wheeler 1992), and tentatively assigned to the Horsethief Creek Group (Gibson, 1991). The Complex has undergone extensive metamorphism and multiple episodes of deformation, due to collisional orogenic episodes during the Devonian, early Jurassic, mid to late Cretaceous and early to mid Tertiary (Figure 4). Coincident with these orogenic episodes, magmatic rocks intruded the rock package. Host lithologies underwent deep burial and deformation until the earliest Tertiary. Significant uplift, and erosion occurred from the mid to late Tertiary. The uplift was accompanied by north trending trans-tensional (basin and range) faulting and emplacement of felsic to intermediate stock and dikes, and recent basaltic and lamprophyric dykes.

Property Geology

The Broken Hill - Leo Property is underlain by deformed rocks of the Shuswap Metamorphic Complex within Kootenay Terrane. At least three phases of ductile deformation can be identified. The metamorphic grade of these rocks is upper amphibolite. The sequence is interpreted to consist of three distinct lithological packages that are strongly intruded by pegmatite sills and dykes (Evans, 1993).

The overall stratigraphic sequence of the property has not been mapped in any detail (Figure 5). Rocks strike to the north to west with moderate to steep east dips. A series of parallel late stage open and upright folds plunge to the east. The general stratigraphy near the mineralized horizons in the Vista and Navan areas is somewhat better known and is described by Lindinger and Pautler (2001) as follows:

> The lowest structural package consists of amphibolite with lesser biotite gneiss and forms a thick monotonous sequence. This is overlain by a sequence dominated by biotite gneiss The third package consists of calc-silicate rocks with minor marble and chert. This package hosts the known zinc-lead-silver mineralization at the Vista, Navan and Mike Showings, on the property. The Broken Hill-Leo property covers an unexplored 9 km extent of the favourable lithology. In addition the Finn and Pica zinc-lead-silver occurrences lie 4 km and 3 km to the north-northwest of the property, respectively (Evans, 1993).
>
> The rocks, although highly folded, have a common north to northwesterly strike with moderate easterly dips. Secondary fold structures observed elsewhere, include late easterly trending roll folds that may reflect larger structures.
>
> Invading the host lithologies is an augen orthogneiss of assumed Devonian Age, which has been observed along the east side of the property. The rocks have been further intruded by weakly deformed to massive leucogranites of late Cretaceous and early Tertiary ages. Accompanying and/or post dating in part, the larger intrusive bodies, are at least two generations of coarse grained leucogranite intrusions, including pegmatite. These occur as tabular to highly irregular cross cutting and concordant pods, dykes and sills. Undeformed mid Tertiary (and later?) intrusions include grey 'dacitic' feldspar porphyry stocks and dykes intrude steeply dipping brittle tensional fractures. Melanocratic lamprophyric dykes also intrude similar structures. (Wheeler 1992, pp. 508, 514, and Lindinger, personal observations).

The carbonate horizon associated with Mike Showing mineralization appears to be shallowly dipping near the showing, gradually steepening to the northwest becoming nearly vertical at the property boundary.

The southeast striking projection of the carbonate horizon from the Navan area to the Denis showing appears to steepen to subvertical at the Denis showing.

The carbonate horizon extending south of the Finn Occurrence appears to be east dipping with both north and south plunging open fold sections. This fold pattern appears to be a stage 3 event.
Tight to isoclinal F1 folds were observed in massive carbonate horizons 1.5 km north of the property boundary.

The carbonate horizons at the Mike and Denis (Navan-Vista) areas may be fold repeated with the carbonate hosting the Mike showing on a lower limb below the horizon hosting the Denis-Navan-Vista showings. An inferred southeast plunging F1 and 2? antiform may be present that would outcrop 500 to 1000 meters southeast of the Mike and Denis showings.

Figure 4 Regional Geology

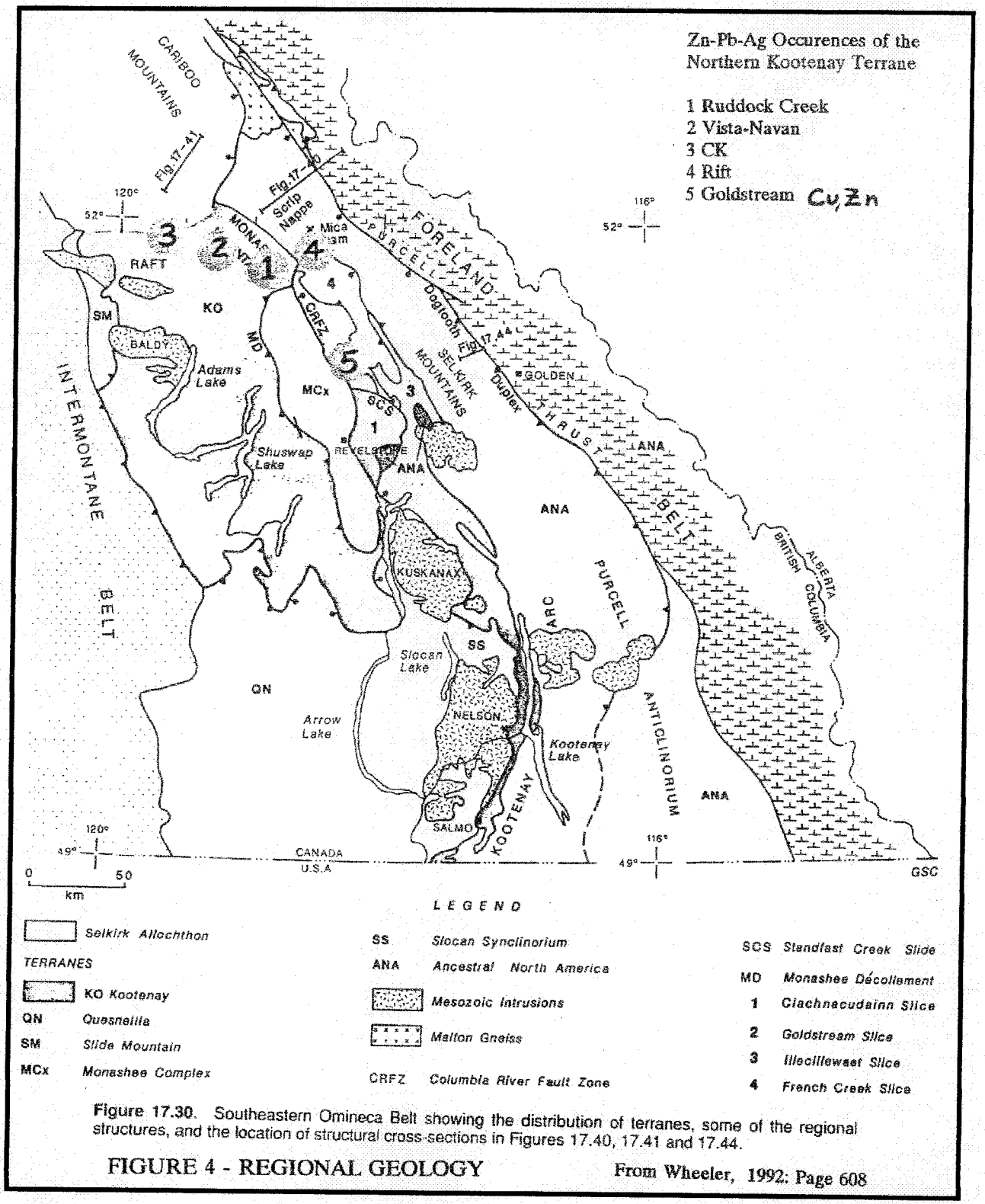
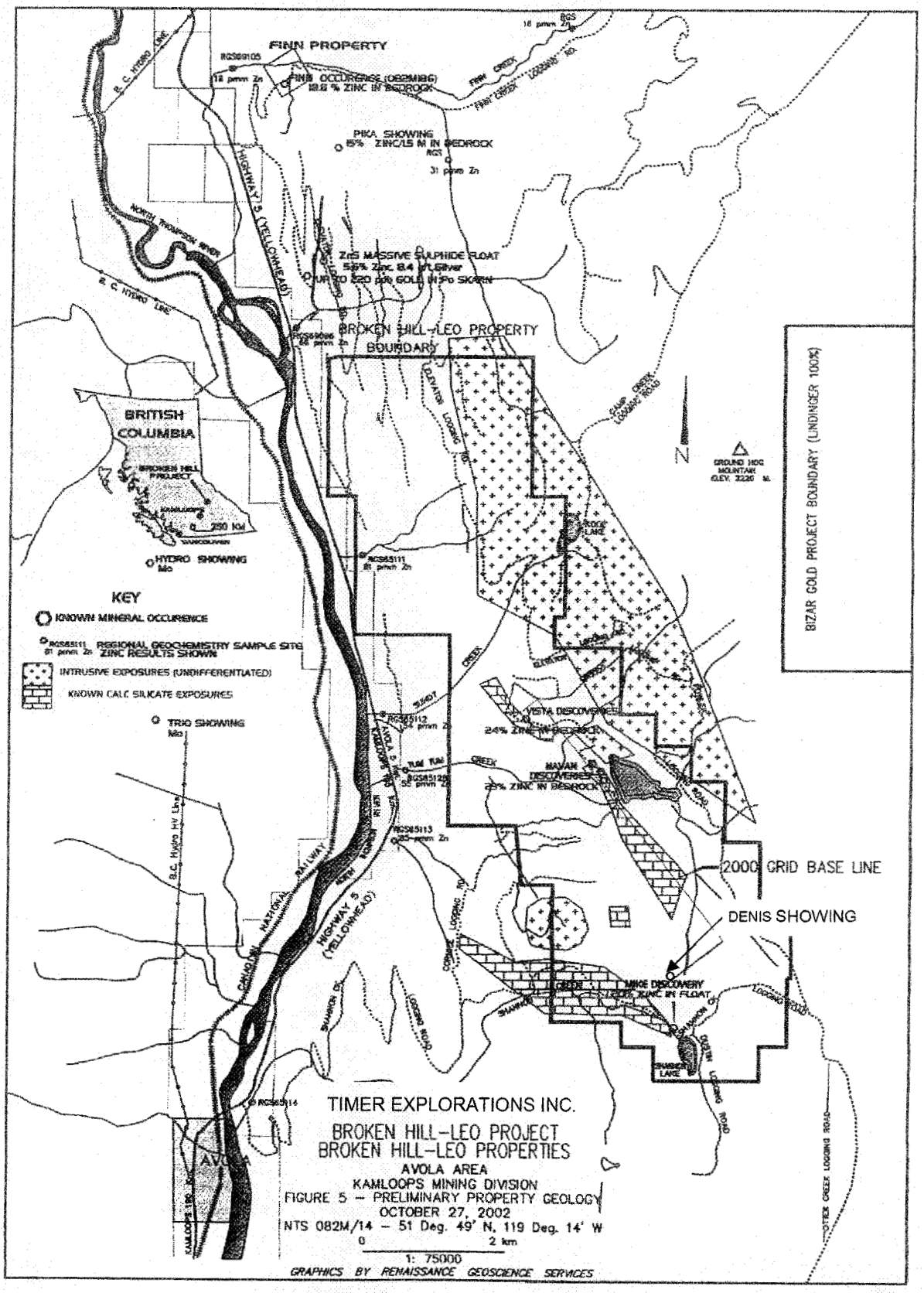


Figure 17.30. Southeastern Omineca Belt showing the distribution of terranes, some of the regional structures, and the location of structural cross-sections in Figures 17.40, 17.41 and 17.44.

FIGURE 4 - REGIONAL GEOLOGY From Wheeler, 1992: Page 608

Figure 5 Preliminary Property Geology



Deposit Types

The Shuswap Metamorphic Complex hosts several significant syngenetic sediment-hosted zinc-lead-silver massive sulphide occurrences, hosted within carbonate bearing lithologies at the transition between platformal carbonates and pelitic sediments. These occurrences include Ruddock Creek, Cottonbelt, King Fissure, Big Ledge, CK (1980 calculation "indicated" 1.5 million tonnes grading 8.6% zinc). A "preliminary mineral resource" for Ruddock Creek, reported by Cominco and restated by Doublestar Resources in June 2000, includes 2.7 million tonnes grading approximately 8.4% Zn and 1.6% Pb. No classification is detailed but the report indicates the "calculations were not rigorous", (A. Tiver, P.Eng., personal communication.) Both calculations were made prior to the requirements referred to in National Instrument 43-101.

Clusters of occurrences are generally aligned along north-trending large-scale folds. The mineralized horizons tend to be laterally extensive but thin. Significant thicknesses may be present where east-trending later phase folding occurs. Thickening can occur over short distances. The newly discovered Vista, Navan and Mike Showings are located 25 kilometres west of Ruddock Creek and 25 kilometres east of CK and hosted in very similar rocks.

Other deposit types known in the region are epigenetic in origin, commonly related to one or more of the many an intrusive events that occurred in the region. Some of these are high grade gold-bismuth-copper-arsenic veins of possible Tertiary age (e.g. Bizar, Readymix); copper, tungsten, molybdenum, zinc-lead-silver and gold bearing intrusive and associated skarn and wallrock-hosted deposits; gemstone and industrial mineral (i.e. garnet) deposits, and carbonatite-hosted niobium-tantalum occurrences.

Mineralization

The following descriptions of the Vista, Navan and Mike showings are from the MINFILE database administered by the Geological Survey Branch of the Ministry of Energy and Mines. Additional information in italics is from Lindinger (2002).

MINFILE Number: 082M 280
Names: VISTA, BROKEN HILL, VISTA A, VISTA B, VISTA C

The Vista A showing is a partially exposed band of very dark brown fine to medium grained massive sphalerite with subordinate galena, pyrrhotite, chalcopyrite and pyrite(?). The band was exposed by blasting to establish a road surface for the Cornice Logging road at about kilometre 9.3. The band is at the contact of sulphidic siliceous gneisses on the structural footwall, and an overlying 2 (plus) metre thick band of calc-silicate rocks that appear to be highly metamorphosed limestones. The showing appears to be part of a moderately (10-20 degrees) southeast plunging partially eroded antiform or northeast dipping monocline. Rocks to the northeast change dip to moderate to steep northeast dips. Exposures to the south-west are eroded off, and covered by glacial debris, or have not been mapped.

The observed mineralization is in the form of planar to swirling bands of nearly massive sulphides up to 35 centimetres thick that grade up into bands of semi-massive sulphides in a calc-silicate host. The contact with the underlying silicate rock appears very sharp. The band of Vista A type mineralization is exposed discontinuously over about 20 metres; it is assumed to be continuous although it is truncated at surface to the northwest by a northwest striking, moderately northeast dipping fault that brings a pegmatite dyke into direct contact with the mineralization. To the southeast it plunges below the logging road. Selected grab samples from bedrock exposures assayed up to 24% zinc, 4.9% lead and 72 grams per tonne silver (Lindinger, personal communication, Jan. 2001).

Vista B type mineralization occurs 2 to 3 meters structurally above the Vista A horizon in

calc-silicate rocks. This zone is also stratiform, exposed as a 5 to 10-centimetre thick band of dark brown coarse grained massive to semi-massive sphalerite. No lead, silver or copper is reported. This band is exposed in its unweathered form for at least 5 meters about 20 meters southeast of the Vista A discovery outcrop. To the northwest it is eroded off. To the south-east it also plunges below the road. To the northeast, if continuous it would dip to the northeast as part of the stratigraphic package.

Vista C type mineralization (discovered by Warner Gruenwald, P.Geo.) are fault-hosted(?) 4 to 6 centimetre thick silvery-grey medium to fine grained massive to semi-massive sphalerite and galena bands that appear to both occupy the top of and crosscut the calc-silicate horizon hosting the Vista A and B mineralization. Weathered exposures are visible over a planar 8 by 2.5 metre exposure of the top of the calc-silicate horizon above the fresh exposures of the Vista B mineral band. A sample (0.8 metres long by 8 centimetres thick) taken by Mr. Gruenwald yielded 6.6% zinc, 4.1% lead and 6.2 grams per tonne silver (Lindinger, personal communication, Jan. 2001).

The calc-silicate unit hosting the various types of zinc-rich sulphide mineralization appears to contain erratically distributed, weakly disseminated sphalerite with possibly galena. Traces of other iron and copper bearing sulphides are also present. This uncertainty is due to the generally well weathered nature of the surface exposures and lack of sample assay data.

MINFILE Number: 082M 279
Names: NAVAN, NAVAN A, NAVAN B, BROKEN HILL

The Navan A showing is a poorly exposed, partially weathered band of dark brown fine-grained massive sulphides (sphalerite and galena) hosted by disrupted (frost heaved?) calc-silicates and impure quartzites, probably correlative with the cover sequence of the dome. The grade and style of mineralization are very similar to the Vista A type showing (082M 280); however, the highest grade exposures of Navan A are totally within calc-silicate host rocks. Massive sulphide mineralization up to 25 centimetres across and grading up to 23% zinc, 4.05% lead and 17 grams per tonne silver occur as boulders that was dug out of subcrop exposures. Exposed hangingwall rocks include thin, impure quartzite layers with minor disseminated pyrrhotite. The host succession appears to trend northward and dip at moderate angles to the east.

A 25 centimetre thick second layer of semi massive sulphides occurs less than 1 metre above the massive sulphide horizon. Still higher are disseminated medium grained sulphides in highly weathered pitted garnetiferous calc-silicate rock.

The Navan B showing is about 130 meters north of the Navan A exposure. Here, a 1.5-metre long 5 to 10-centimetre band thick of massive sphalerite occurs in west-dipping quartz-rich schistose rock. No real bedrock exposures can be seen here and the rock hosting the sulphides may be a large rotated subcrop boulder. A 0.3-metre thick sample which included the massive sulphide mineralization yielded 5.6% zinc, 0.6% lead and 8.4 grams per tonne silver.

The host rocks are very different than those of the Navan A showing and mineralization is likely a distinct layer.

The Navan C float showing 200 meters grid north of the Navan A showing is a 30 centimetre diameter piece of siliceous calc-silicate and biotite gneiss float occurring in basal till that has on one side part of a massive sulphide layer. The remnant sulphide layer is about 12 centimetres thick. Based on glacial information the source of the boulder was to the northeast and away from the Navan A and Navan B showings.

The Navan D float showing occurs 300 metres south of the Navan A showing. Here, fragments less than 10 centimetres in diameter of zinc-bearing semi-massive sulphides hosted by calc-silicate and chert occur in a basal till and subcrop road cut. This is the area of the original rock sample taken by the writer in July 2000 that returned nearly 1% zinc with anomalous copper, lead silver and tungsten values.

An open ended to the north soil anomaly immediately north (up ice) and west (down-hill) of the Navan B contains the highest zinc (2590 ppm) and lead (412 ppm) values in soil (600+ samples) found to date.

MINFILE Number: 082M 281
Names: MIKE, BROKEN HILL, MIKE FLOAT

The Mike float showing contain cobbles and boulders of dark brown massive, semi massive and disseminated, fine to coarse grained sphalerite and pyrrhotite associated with garnetiferous calc-silicate, pyrrhotitic silicate and coarse grained pegmatitic rocks that are exposed over 250 meters in a series of pits dug for material to upgrade the Shannon Creek logging road. The boulders and cobbles can be dug out of the bank and occur within discrete stratigraphic zones near to and overlying possibly disrupted pegmatitic bedrock. Northwest of the float occurrence is an area of calc-silicate float and bedrock extending for over 2 kilometres. To the south-east is deep glacial till extending to Shannon Lake.

One sample of a massive sphalerite boulder yielded 19.6% zinc and 352 ppm cadmium (Gruenwald, personal communication, 2000). The lead content of this and other samples have consistently lower lead values than the Navan (082M 279) and Vista (082M 280) prospects of the Broken Hill property.

Other potential deposit types located on the property include tungsten skarn and intrusion associated gold zones. Known types of mineralization nearby include molybdenum stockwork veins and high grade intrusion associated gold veins such as the nearby Bizar, and Readymix gold occurrences, pyrrhotite hosted gold skarn mineralization, and copper bearing quartz veins and stockworks.

2004 Exploration Program

Soil Geochemistry

The 2004 soil program was designed to expand and close off open ended soil anomalies from earlier programs in the Vista, Navan and Mike areas. (Figures 7a, b, c, d)

Significant soil anomalies on the Broken Hill-Leo Property coincide with known massive sulphide outcrop and float occurrences. A discontinuous zinc, lead and weak silver soil anomaly extends from the Vista Showing area for 1.1 km to the Navan Showing area. The shape of the anomalies especially lead appear to somewhat reflect stratigraphy. The strongest zinc-lead anomaly on the property is on Line 77+00 north about 250 meters north of the Navan outcrop showing but directly down hill from several zinc enriched float boulders The zinc enrich portion of this anomaly extend southwest for 350 meters south west. A partially coincident lead anomaly occurs in the core of the zinc anomaly but also extends to the north towards the Vista showing, possibly reflecting stratigraphy. This anomaly was diamond drilled in 2000 by drill hole BH-DDH-01-08. The drilling suggests that area drilled was invaded by intrusive that destroyed the mineralization at that location. A weak partially defined lead anomaly occurs on line 75+00 north at 22+25 east. The significance of this anomaly is unknown. An anomaly northwest of the Vista Showing on line 84+00 N is interpreted to reflect extensions of the mineralized horizon east of the Vista Showing.

At the Mike Float Showing, (Figure 7d) a large semi-continuous 700 meter long coincident zinc, lead, and silver anomaly, and several smaller partially outlined anomalies occur over and around the showing. These anomalies and the location of coincident weathered occasionally mineralized carbonate and skarn float and subcrop suggest a large metal source may be present. Preliminary observation of glacial striations points to a potential base metal source a short distance to the north of the anomalies. The 2004 soil sampling slightly expanded the southerly of two southwest trending zinc-lead anomalies south of the Mike Float showing.

In the area of the new DENIS SHOWING discovery 500 meters northeast of the Mike Area a 20+ cm thick massive sphalerite subcrop showing was discovered by Denis DeLisle (DENIS SHOWING). Soil sampling northeast of and downhill on Line 45+00N has partially outlined a moderate zinc and weak silver anomaly.

Rock Geochemistry

In 2000, samples of mineralized outcrop, subcrop and float from the Vista, Navan, and Mike returned 16%, 21.5% and 19.6% zinc, respectively, with up to 4% lead and 11 grams per tonne silver. Vista and Navan mineralization are also distinctly anomalous in barium, bismuth, cadmium, copper and nickel. The samples from the Mike area were notable in their lack of silver, bismuth and lead.

Results from the 2004 rock sampling program resulted in the discovery of one new high grade zinc discovery (Denis Showing) and enlarged another showing (Navan C).

The new DENIS SHOWING at grid co-ordinates 45+20N 15+80E (Figure 6, 7c, 8, 9) occurs about 500 meters northeast of the Mike showing. Here massive sphalerite with subsidiary pyrrhotite and galena in a 20+ cm thick southeast striking apparently steeply dipping zone within highly metamorphosed carbonates. As exposed the zone appears truncated to the north by a pegmatite dyke but appears open to the south and at depth. Several samples returned between 3 and 15 5% zinc and up to 2.3% lead. Also in the same area a float samples of massive and semi massive pyrrhotite mineralized gneiss returned highly anomalous gold (up to 1.28 g/t Au) with associated bismuth (up to 896 ppm) and copper up to 1160 ppm). Samples having the signature of both styles of mineralization were also taken in this area. These gold enriched samples indicates the potential for bismuth-copper+/--tungsten+/-gold "Bizar style" gold mineralization. One 2003 sample of sulphide bearing skarn, BH3-05, taken approximately 1.8 km northwest of the Mike float showing returned 300 ppb gold with anomalous bismuth and copper.

Additional mineralized float found in the vicinity of the Navan C (Figure 7b) float showing returned mineralized float grading up to 11% zinc and 4.6% lead over a 20 meter northeast trending zone. However, one sample of sulphide bearing skarn, BH3-05, Taken approximately 1.8 km northwest of the Mike float showing indicates the potential for bismuth-copper-tungsten+/-gold "Bizar style" gold mineralization.

Sampling Method and Approach

Soil and Till Samples

Between August 24th and September 12th, 2004, 317 soil and 5 glacial till samples were collected in the Mike, Navan, Vista and Denis showing areas under by Denis DeLisle, Certified Prospector of DeLisle Exploration Services. Samples were collected at stations spaced every 25-metres along lines spaced 50 metres apart. Samples were collected from holes dug to expose the brown weathered BF horizon. In the absence of a developed B horizon, the unweathered C horizon was sampled. Glacial till samples of unoxidized c horizon till were collected as deep as possible in road cut exposures. Samples were placed in kraft paper bags labeled with the sample locations recorded either by GPS where the UTM location was recorded or the existing grid co-ordinate. At the end of the day, samples were organized, and strung out to dry. Once dried, they were packaged into waterproof boxes and shipped to Ecotech laboratories in Kamloops, B.C. for analysis.

Rock Samples

Between August 24th and September 12th, 2004, 32 rock chip samples were collected by Denis DeLisle Certified Prospector of DeLisle Exploration Services. Rock samples were given a unique sample number and placed in numbered plastic bags. The rock sample number then was written on a Tyvek tag or winter grade plastic flag and placed near the bedrock or float exposure or tied securely beside the sample location. Sample locations were recorded either by GPS where the UTM location was recorded or the existing grid co-ordinate. Samples were then sent to Ecotech Laboratories in Kamloops, B.C., for analysis.

Moss Mat Samples

Between August 24th and September 12th, 2004, 19 Moss Mat samples were collected on the property by Denis DeLisle Certified Prospector of DeLisle Exploration Services. Moss mat samples Rock samples were given a unique sample number and placed in numbered fabric bags. The moss mat sample number then was written on a Tyvek tag or winter grade plastic flag and tied securely beside the sample location. Sample locations were recorded either by GPS where the UTM location was recorded or the existing grid co-ordinate. Samples were then sent to Ecotech Laboratories in Kamloops, B.C., for analysis.

Sample Preparation, Analyses and Security

The 317 soil, 5 till, 19 moss mat and 32 rock samples collected in 2004, were shipped to Eco-Tech Laboratories Ltd, in Kamloops, B.C. for analysis. All samples were analyzed for 28-elements using a standard multi-element ICP procedure. All rock samples were analyzed for gold by fire assay with atomic absorption (AA) finish.

The following list of procedures was supplied by Eco-Tech.

Sample Preparation

Samples are catalogued and dried. Soils are prepared by sieving through an 80 mesh screen to obtain a minus 80 mesh fraction. Samples unable to produce adequate minus 80 mesh material are screened at a coarser fraction. These samples are flagged with the relevant mesh. Rock samples are 2 stage crushed

to minus 10 mesh and a 250 gram subsample is pulverized on a ring mill pulverizer to -140 mesh. The subsample is rolled, homogenized and bagged in a prenumbered bag.

Multi-Element ICP Analysis

A 0.5 gram sample is digested with 3ml of a 3:1:2 (HCl:HN03:H20), which contains beryllium, which acts as an internal standard for 90 minutes in a water bath at 95°C. The sample is then diluted to 10ml with water. The sample is analyzed on a Jarrell Ash ICP unit.

Results are collated by computer and are printed along with accompanying quality control data (repeats and standards). Results are printed on a laser printer and are faxed and/or mailed to the client.

Result data is entered along with standards and repeat values and are faxed and/or mailed to the client.

Data Verification

All samples were collected under the direct supervision of independent field technicians, and transported directly to Eco-Tech Laboratories Ltd. in Kamloops. a certified analytical laboratory. No field blank or standard samples were submitted with these samples. However, the analytical procedures and pulp and reject duplicate analyses were conducted to industry standards. Certificates of Analysis are appended in this report (Appendix 1).

Interpretation and Conclusions

Soil Sampling (Figure 7)

Significant soil anomalies on the Broken Hill - Leo Property coincide with known massive sulphide outcrop and float occurrences. A soil anomaly south of the Vista Showing appears to be derived from the mineralized outcrop. An anomaly on line 84+00N is interpreted to reflect extensions of the mineralized horizon east of the Vista Showing. A strong and extensive zinc-lead-silver anomaly northwest of and up ice of the Navan 1 showing suggests the presence of a source to the north of this anomaly. The Mike float showing occurs within and near the south end of two subparallel moderate to locally strong 400 to 700 metre long east west trending zinc-lead-silver anomalies that probably sub-parallels the shallowly buried underlying stratigraphy, likely originating from a bedrock base-metal source. Smaller zinc-lead anomalies occur 700 to 1100 metres northwest of the Mike Showing. East of and downhill of the newly discovered Denis showing is a partially defined strong zinc with weak lead and silver anomaly. The soils from the Mike area are most notable for their widespread weakly anomalous lead values. This possible reflect weathered sulphides from the widespread carbonate and skarn boulders throughout the sampled area. The patterns of the lead anomalies in particular infers, in the Vista area multiple horizons (possibly folded), in the Navan area a possibly folded sequence, and in the Mike area a possible fold closure near the showing. Only GT 57+50N on the Mike Grid returned anomalous barium.

Rock Sampling (Figure 8)

Mineralized outcrop, subcrop and float samples from past programs on the Vista, Navan, and Mike returned 16%, 21.5% and 19.6% zinc, respectively, with up to 4% lead and 11 grams per tonne silver. The Vista and Navan mineralization was also distinctly anomalous in barium, bismuth, cadmium, copper and nickel. The samples from the Mike area were notable in their lack of silver, bismuth and lead mineralization. The rock samples from the Denis showing graded up to 15.5% zinc, 2.6% lead and 1.26 g/t gold.

Several massive to semi massive pyrrhotite samples collected in the 2004 program at the newly discovered Denis showing returned anomalous gold (105 to 1280 ppb), bismuth, and copper results in addition to very encouraging zinc and lead values. The Denis showing are clearly has both stratabound

zinc rich massive sulphide and pyrrhotite rich "Bizar" style gold-bismuth-copper mineralization often in the same sample.

Samples from additional mineralization located at the Navan 3 showing area returned up to 11% zinc and 4% lead. This area is directly up slope from the strongest zinc and lead geochemical anomaly on the property. The presence of bismuth-copper-gold mineralization indicates another occurrence of "Bizar style" gold mineralization found elsewhere in the area.

Moss Mat Sampling (Figure 9)

Moss mat sample results from the upper Sundt Creek drainage returned only one very weakly anomalous lead and zinc result (MM-SUN-01). This was from a side drainage east of the main drainage. The strongest returns were from MM-BHR-01(305 ppm zinc, >10000 Mn) , and MM-BHR-02 which were taken from upper Tum Tum Creek which drains Fowler Lake and cuts through the favourable stratigraphy 300 to 500 meters upstream at about 2500 east. The decreasing value of MM-BHR-02 may reflect a more distant position from the source.
The moderate lead and manganese and weak zinc and barium anomalous results from MM-MK-01, 02 and 03 in the northwest part of the Mike grid exceed the soil results taken east of this area in 2003. The moss matt samples taken east of and down hill of the Denis showing returned only weakly anomalous manganese.

In conclusion, the Broken Hill - Leo property covers a 9 km strike length of carbonate-rich stratigraphy, favourable for hosting high grade zinc-lead-silver Shuswap-style mineralization similar to the Ruddock Creek (5 million tonnes grading 7.5% zinc and 2.5% lead), CK (1.5 million tonnes grading 8.6% zinc), and Finn occurrences. Mineralization similar to that found at these prospects outcrops on the Broken Hill property at the Vista, Navan and Denis Showings and as approximately 250 meters of mineralized float within a 700 by 220 meter zinc, lead silver manganese soil anomaly at the Mike Showing. All known showings are exposed only in road or trail cuts. Favourable lithologies needs to be traced down-dip, into potential fold closures and away from the pegmatite sills. Anomalous areas require additional prospecting, soil and rock sampling. The excellent access and infrastructure, in contrast to Ruddock Creek, Cottonbelt and CK, add to the potential of the property.

TABLE 2

2004 PROGRAM EXPENDITURES	
J.L. Lindinger, P.Geo project supervision	CHARGE
2.5 days@500 per day	$ 1,250.00
Vehicle (4x4 pickup)	$ 155.00
Timer Explorations Ltd. management costs	
Brent Peters, President	
3 days@ 400 per day	$ 1,200.00
DeLisle Prospecting services	
18 days @300 per day	$ 5,400.00
Gary Smith, Geological assistant	
4 days @200 per day	$ 800.00
Howard Jones. Field assistant	
3 days @ 140 per day	$ 520.00
4x4 vehicles 22 days @ $70 per day	$ 1,540.00
Fuel	$ 259.30
Accomodation (Log in Pub, Avola)	$ 760.75
Food and meals	$ 506.59
Radio and chainsaw charges	$ 165.85
supplies (sample bags, flagging, hip chain thread)	$ 383.00
Analytical (Eco Tech Laboratories Ltd.) soils	3206.15
Analytical (Eco Tech Laboratories Ltd.) moss mats	$ 315.12
Analytical (Eco Tech Laboratories Ltd.) rocks	$ 728.62
Analytical (Eco Tech Laboratories Ltd.) till	$ 82.93
report	$ 3,400.00
Total 2004 field program	$ 20,673.31
Pac withdrawal (Leo J. Lindinger)	$ 6,000.00
Total applied for 2004 assessment	$ 26,673.31

Recommendations

The results of the 2004 program clarified where additional exploration expenditures are warranted. The following staged exploration program is recommended.

Proposed exploration includes the establishment of an expanded grid, prospecting, geological mapping, soil and rock geochemical surveys, and ground magnetics surveys. Geological mapping would concentrate on tracing prospective stratigraphy and identifying zones of potential structural thickening. Soil geochemical and magnetic surveys will attempt to extend and detail the mineralized horizons along strike from the Navan, Mike and Denis Showings.

- In the Navan 3 area the strong anomaly must be prospected, mapped and hand trenched to determine the actual source and trend of the mineralized horizon(s). There may be fold closures present that contain mineralization missed in drill hole BH-HHD-00-08.
- The partially defined zinc anomaly east of the Denis showing requires additional soil sampling to expand this anomaly.
- The inferred southeast plunging nose of an F1 and 2? Antiform 300 to 600 meters southeast of the Mike and 400 to 600 meters south of the Denis showings is a priority exploration target (~4000N, 1300E), given the encouraging bedrock, float and soil geochemical results discovered to date in this area.

Approximately $38,000 is recommended for this stage.

A $41,000 excavator trenching program is proposed to attempt to expose near-surface bedrock for structural mapping and lithogeochemical sampling in the Mike, Denis and Navan areas. The backhoe trenching program at the Denis showing will attempt to expose bedrock mineralization for both zinc and gold mineralization. A reclamation permit MX-4-369 has been established for the recommended trenching and drilling phases.

A proposed $75,000 diamond drill program targeting fold closures, down dip and strike extensions of the Vista area, Mike and Denis horizons. Fold closures have excellent potential to host thickened massive sulphide bodies.

Recommended and permitted drill holes in the Vista Area.

- line 8750N, 2210E -90 ~20 meters down plunge of Vista showing), 40 meters
- line 8700N, 2400E -90° and –50° @ 200° azimuth 120+ meters each
- line 8500N, 2575E -90° 100 meters
- 8430N, 2500E -45@180 azimuth (due south of BH-DDH-00-03) near surface extension of mineralization intersected in holes 03 and 13.

Navan area

- 7750N, 2560E -45° @ 230° Azimuth 70 meters Soil anomaly up ice of Navan
- 7960N, 2500E -45 @ 230° Azimuth 50 meters Soil anomaly up ice of Navan

Mike Area

- 4650N,1100E -45@220 azimuth, -90 50 meters each
- 4300N,1200E -45@230 azimuth, -90 60 meters each

Denis area One hole planned near 4500N, 1600E

Additional expenditures are contingent on the successful development of the targets recommended to be explored in this report.

Table 3

RECOMMENDED PROJECT EXPENDITURES			
Item	**Amount**	**Charge**	**Total**
Mobilization - camp set up			$2,000.00
Linecutting (mandays)	10	$350.00	$3,500.00
Prospecting (mandays)	10	$400.00	$4,000.00
Soil sampling (mandays)	7	$400.00	$2,800.00
Soil samples	200	$14.00	$2,800.00
Rock samples	40	$24.00	$960.00
Geological mapping (mandays)	20	$700.00	$14,000.00
Project management mandays	5	$700.00	$3,500.00
Magnetometer survey Km	40	$100.00	$4,000.00
Supplies			$400.00
Total surface program			**$37,960.00**
Excavator trenching including reclamation			
Vista area (hours)	10	$140.00	$1,400.00
Navan area (hours)	15	$140.00	$2,100.00
Mike area (hours)	40	$140.00	$5,600.00
Denis area (hours)	20	$140.00	$2,800.00
Other targets (hours)	20	$140.00	$2,800.00
Geological mapping-trenching (mandays)	18	$700.00	$12,600.00
Sampler (mandays)	18	$300.00	$5,400.00
Rock samples	250	$24.00	$6,000.00
Project management (mandays)	3	$700.00	$2,100.00
Supplies			$400.00
Total Trenching Program			**$41,200.00**
Diamond drilling (feet)	2500	$25.00	$62,500.00
Geological and logistical support (mandays)	10	$700.00	$7,000.00
Core sampling (mandays)	8	$350.00	$2,800.00
Rock samples	70	$24.00	$1,680.00
Supplies and equipment chargeouts			$1,200.00
Total Drilling Program			**$75,180.00**
Demob			$2,000.00
Report			$10,000.00
Contingency @ 5%			$8,750.00
Grand Total			**$175,090.00**
Mandays includes Logistical support at $100.00 per manday			

Additional trenching and drilling would be contingent on favourable exploration results.

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STATEMMENT OF QUALIFICATIONS

I, Joseph Eugene Leopold (Leo) Lindinger, P.Geo.
of 879 McQueen Drive, Kamloops, B.C. V2B-7X8
Tel. 250-554-6887
Fax 250-554-6887
Email joslind@telus.net

HEREBY DO CERTIFY THAT:

1. I currently own the British Columbia Mineral Claims called the "Broken Hill Property" which are now under option by Timer Explorations Inc.

2. I graduated in 1980 from the University of Waterloo, Ontario with a Bachelor of Sciences (BSc) in Honours Earth Sciences.

3. I am a member in good standing as a Professional Geoscientist (#19155) with the Association of Professional Engineers and Geoscientists of the Province of British Columbia since 1992.

4. I have worked continuously as a geoscientist since graduating in 1980.

5. I am responsible for presenting the exploration results in the **"Geochemical Assessment Report Broken Hill - Leo Property"** and dated 15^{h} day of January, 2005. I have participated in, directly or in a supervisory capacity in all of the exploration programs discussed in the report between September 2000 and September 2004 with the exception of work completed by Avola Industries Ltd. in August 2002 on the Leo Claims.

Dated this 15th day of January 2005

Signature of J.E.L. Lindinger, P.Geo

Seal Of J.E.L. Lindinger P.Geo

J. E. L. LINDINGER

Printed name of J.E.L. Lindinger, P.Geo.

Appendix 1
Analytical Results – Soil, Moss Mat, Till and Rock Samples

27-Sep-04

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2004-1329

RENAISSANCE GEOSCIENCE SERVICES
879 McQueen Drive
KAMLOOPS, BC
V2B 7X8

ATTENTION: Leo Lindinger

No. of samples received: 360
Sample type: Soil
Project #: Broken Hill
Shipment #: None Given
Samples submitted by: Denis Delisle

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	L MK-01	0.3	2.58	<5	55	5	0.04	<1	7	23	9	3.06	<10	0.16	80	<1	<0.01	8	500	44	<5	<20	4	0.13	<10	28	<10	6	51
2	L MK-02	0.2	2.55	10	50	10	0.04	<1	7	33	9	2.93	10	0.33	111	<1	<0.01	12	350	30	<5	<20	3	0.07	<10	36	<10	5	52
3	L MK-03	<0.2	0.61	<5	20	<5	0.01	<1	2	4	3	0.47	<10	0.02	11	1	0.01	2	190	12	<5	<20	<1	0.05	<10	<1	<10	2	8
4	T/L 45+00N 14+25E	0.2	2.85	<5	10	<5	0.03	<1	3	12	12	1.69	<10	0.03	<1	1	0.01	4	460	32	<5	<20	2	0.08	<10	7	<10	4	6
5	T/L 45+00N 14+50E	0.2	1.05	<5	35	<5	0.09	<1	3	6	8	0.86	<10	0.02	<1	1	0.01	3	790	18	<5	<20	4	0.09	<10	<1	<10	3	8
6	T/L 45+00N 14+75E	<0.2	0.42	<5	10	<5	0.02	<1	2	4	5	0.70	<10	0.02	15	<1	0.02	2	140	6	<5	<20	2	0.04	<10	8	<10	2	11
7	T/L 45+00N 15+00E	<0.2	2.45	<5	30	10	0.03	<1	8	18	9	2.88	<10	0.07	<1	5	0.01	5	380	38	5	<20	2	0.23	<10	19	<10	8	16
8	T/L 45+00N 15+25E	<0.2	1.41	<5	30	<5	0.08	<1	4	13	7	1.21	<10	0.15	137	1	<0.01	6	390	24	<5	<20	4	0.06	<10	8	<10	5	99
9	T/L 45+00N 15+50E	<0.2	0.39	<5	15	<5	0.02	<1	2	5	8	0.79	<10	0.04	16	<1	<0.01	2	200	8	<5	<20	2	0.04	<10	5	<10	4	18
10	T/L 45+00N 16+25E	0.3	2.10	<5	65	<5	0.29	<1	18	55	27	3.31	60	0.72	615	<1	<0.01	29	310	32	5	<20	26	0.13	<10	25	<10	115	455
11	T/L 45+00N 16+50E	0.7	1.86	<5	35	5	0.15	<1	9	20	25	1.88	40	0.16	449	1	0.02	11	380	32	<5	<20	12	0.08	<10	12	<10	82	221
12	T/L 45+00N 16+75E	0.6	2.80	<5	115	<5	0.47	2	13	37	50	2.80	50	0.42	1760	<1	0.02	33	670	48	<5	<20	43	0.08	<10	21	<10	129	908
13	RL 76+00N 25+00E	<0.2	0.87	<5	40	<5	0.08	<1	6	16	6	1.34	<10	0.28	88	1	0.01	8	580	20	<5	<20	6	0.11	<10	7	<10	6	80
14	RL 76+00N 25+25E	0.2	1.94	<5	35	<5	0.05	<1	5	18	9	1.68	<10	0.20	53	1	<0.01	9	590	30	<5	<20	3	0.07	<10	15	<10	4	42
15	RL 76+00N 26+75E	<0.2	1.19	<5	35	<5	0.06	<1	5	12	5	1.45	<10	0.10	22	2	<0.01	4	470	20	<5	<20	5	0.11	<10	9	<10	4	27
16	L 57+00N 5+25E	<0.2	1.65	<5	85	5	0.07	<1	7	35	6	2.13	<10	0.35	83	1	<0.01	17	450	24	5	<20	3	0.12	<10	18	<10	6	36
17	L 57+00N 5+50E	0.2	2.40	<5	65	<5	0.12	<1	4	29	5	1.60	<10	0.13	23	<1	<0.01	9	440	30	<5	<20	10	0.08	<10	8	<10	3	18
18	L 57+00N 5+75E	<0.2	1.59	<5	35	5	0.07	<1	5	18	6	2.04	10	0.15	54	2	<0.01	7	330	22	<5	<20	3	0.08	<10	11	<10	8	25
19	L 42+00N 9+00E	0.5	2.19	<5	35	5	0.02	<1	3	15	6	1.66	<10	0.05	29	4	<0.01	4	480	32	<5	<20	3	0.07	<10	13	<10	6	40
20	L T-01	<0.2	0.66	<5	5	<5	0.02	<1	4	8	4	1.08	<10	0.03	36	<1	<0.01	5	100	8	<5	<20	<1	0.06	<10	28	<10	3	14
21	L T-02	0.4	1.54	<5	20	<5	0.04	<1	4	17	5	2.61	<10	0.08	42	<1	<0.01	4	550	32	<5	<20	3	0.08	<10	41	<10	2	22
22	L T-04	0.4	0.66	<5	15	<5	0.02	<1	3	6	5	0.69	<10	0.04	32	<1	0.01	3	210	12	<5	<20	2	0.05	<10	5	<10	3	14
23	L T-07	0.2	1.04	<5	35	<5	0.07	<1	5	16	9	1.98	<10	0.13	283	2	<0.01	5	290	20	<5	<20	5	0.09	<10	29	<10	5	46
24	L T-08	0.2	1.32	<5	30	<5	0.11	<1	2	13	6	1.19	<10	0.05	26	1	0.01	3	370	20	<5	<20	8	0.05	<10	8	<10	3	25
25	L T-09	0.2	1.03	<5	30	<5	0.11	<1	3	15	7	1.45	<10	0.12	54	<1	<0.01	5	380	16	<5	<20	7	0.05	<10	17	<10	3	26

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	L 82+50N 24+25E	0.2	1.73	<5	45	<5	0.06	<1	5	14	5	1.47	<10	0.15	48	<1	<0.01	6	770	20	<5	<20	6	0.06	<10	13	<10	3	45
27	L 83+50N 23+00E	<0.2	1.36	<5	35	<5	0.08	<1	4	12	6	1.29	<10	0.15	37	<1	<0.01	6	470	18	<5	<20	8	0.06	<10	15	<10	4	31
28	L 84+50N 22+75E	<0.2	2.68	<5	45	5	0.10	<1	5	14	5	1.33	<10	0.08	216	2	0.01	7	2130	34	<5	<20	8	0.08	<10	8	<10	4	64
29	L 84+50N 23+25E	<0.2	1.02	<5	35	<5	0.16	<1	5	12	10	1.20	10	0.28	81	<1	<0.01	8	460	14	<5	<20	10	0.04	<10	14	<10	5	101
30	L 84+50N 23+50E	<0.2	1.52	<5	80	<5	0.12	<1	9	27	10	1.93	<10	0.35	264	<1	<0.01	15	1240	28	<5	<20	18	0.09	<10	15	<10	4	152
31	L 15+00E 43+00N	<0.2	0.79	<5	10	<5	0.04	<1	2	6	3	0.77	<10	0.02	15	<1	<0.01	2	190	12	<5	<20	2	0.04	<10	6	<10	2	8
32	L 15+00E 43+25N	0.2	1.94	<5	20	<5	0.05	<1	18	19	16	3.46	<10	0.10	1874	<1	0.01	4	1170	36	<5	<20	3	0.07	<10	21	<10	4	16
33	L 15+00E 43+50N	0.4	1.97	<5	30	<5	0.05	<1	6	18	12	1.53	<10	0.21	280	1	<0.01	9	940	30	<5	<20	4	0.06	<10	8	<10	5	43
34	L 15+00E 43+75N	0.3	1.61	<5	20	<5	0.02	<1	3	12	6	1.51	<10	0.08	38	1	<0.01	4	560	24	<5	<20	4	0.05	<10	6	<10	3	23
35	L 15+00E 44+00N	0.3	3.47	<5	25	5	0.05	<1	5	15	8	1.89	<10	0.05	5	2	<0.01	5	510	44	<5	<20	5	0.12	<10	3	<10	6	14
36	L 15+00E 44+25N	0.2	3.44	<5	15	<5	0.01	<1	2	11	8	1.05	<10	0.02	29	<1	0.01	4	360	36	<5	<20	2	0.06	<10	<1	<10	6	8
37	L 15+00E 44+50N	0.3	1.10	<5	15	<5	0.03	<1	2	9	5	0.95	<10	0.05	29	<1	<0.01	3	200	14	<5	<20	<1	0.04	<10	11	<10	3	21
38	L 15+00E 44+75N	0.5	4.89	<5	25	10	0.04	<1	8	28	6	3.80	<10	0.11	7	<1	0.01	8	1500	122	<5	<20	2	0.19	<10	17	<10	8	68
39	L 15+00E 45+25N	0.3	1.75	<5	15	<5	0.10	<1	4	10	5	1.44	<10	0.05	45	<1	0.02	4	500	22	<5	<20	5	0.08	<10	16	<10	3	15
40	L 15+00E 45+50N	0.2	1.71	<5	20	<5	0.06	<1	3	8	4	0.89	<10	0.02	62	<1	0.01	4	250	20	<5	<20	2	0.05	<10	12	<10	3	11
41	L 15+00E 45+75N	0.4	1.25	<5	25	<5	0.04	<1	4	11	7	1.50	<10	0.10	32	<1	<0.01	4	470	30	<5	<20	3	0.10	<10	2	<10	6	56
42	L 15+00E 46+00N	<0.2	1.07	<5	10	<5	0.05	<1	3	9	5	1.09	10	0.06	42	2	<0.01	4	360	64	<5	<20	3	0.07	<10	13	<10	4	35
43	L 15+00E 46+25N	0.2	0.97	<5	20	<5	0.02	<1	3	10	7	1.25	10	0.12	33	<1	<0.01	4	270	14	<5	<20	3	<0.01	<10	30	<10	2	24
44	L 15+00E 46+50N	0.3	1.04	<5	15	<5	0.02	<1	2	7	4	0.71	<10	0.03	24	2	0.01	2	300	18	<5	<20	<1	0.06	<10	5	<10	3	7
45	L 15+00E 46+75N	0.2	0.70	<5	15	<5	0.10	<1	3	8	5	0.79	<10	0.03	20	2	0.01	4	440	18	<5	<20	2	0.10	<10	<1	<10	4	10
46	L 15+00E 47+00N	<0.2	0.88	<5	30	<5	0.07	<1	4	12	6	1.56	<10	0.09	30	1	<0.01	5	290	18	<5	<20	4	0.07	<10	10	<10	6	19
47	L 15+00E 47+25N	0.4	1.02	<5	20	5	0.10	<1	4	12	11	2.43	<10	0.04	<1	2	0.01	4	340	20	<5	<20	6	0.11	<10	3	<10	4	11
48	L 15+00E 47+50N	1.5	2.60	<5	15	<5	0.05	<1	3	9	7	1.04	<10	0.02	3	2	<0.01	4	260	32	<5	<20	2	0.06	<10	4	<10	6	7
49	L 15+00E 47+75N	0.3	1.25	<5	30	<5	0.04	<1	3	10	5	1.49	<10	0.03	<1	1	0.01	3	150	22	<5	<20	4	0.08	<10	8	<10	4	9
50	L 15+00E 48+00N	0.2	0.99	<5	20	<5	0.05	<1	3	13	5	1.90	<10	0.06	134	2	0.01	3	220	22	<5	<20	4	0.07	<10	23	<10	3	16
51	L 16+00E 43+00N	0.2	2.45	<5	35	<5	0.06	<1	5	24	6	2.22	10	0.21	132	<1	<0.01	8	680	32	<5	<20	3	0.04	<10	21	<10	4	35
52	L 16+00E 43+50N	<0.2	1.46	<5	30	<5	0.05	<1	6	24	9	2.17	20	0.36	148	<1	<0.01	10	330	18	<5	<20	3	0.04	<10	25	<10	5	43
53	L 16+00E 44+00N	<0.2	1.28	<5	25	<5	0.04	<1	4	17	8	1.71	10	0.18	131	<1	<0.01	6	270	18	<5	<20	2	0.05	<10	16	<10	5	22
54	L 16+00E 44+50N	0.3	1.60	<5	45	<5	0.21	<1	8	24	17	1.65	20	0.39	195	<1	0.02	19	620	26	<5	<20	29	0.04	<10	14	<10	20	65
55	L 16+00E 45+25N	0.2	1.03	<5	35	<5	0.14	<1	7	20	8	2.70	10	0.23	73	3	<0.01	8	220	24	<5	<20	12	0.13	<10	7	<10	9	137
56	L 16+00E 45+50N	0.5	1.93	<5	35	5	0.07	<1	6	27	10	2.29	10	0.38	116	<1	<0.01	12	360	24	<5	<20	4	0.05	<10	21	<10	6	99
57	L 16+00E 45+75N	<0.2	0.55	<5	15	<5	0.16	<1	6	11	5	1.58	<10	0.07	93	1	0.01	7	600	8	<5	<20	6	0.10	<10	36	<10	4	22
58	L 16+00E 46+00N	0.2	2.31	<5	30	5	0.02	<1	3	17	7	1.51	<10	0.12	44	1	<0.01	5	320	32	<5	<20	<1	0.04	<10	17	<10	3	31
59	L 16+00E 46+25N	0.2	1.08	<5	15	<5	0.04	<1	2	6	5	0.70	<10	0.02	18	2	0.01	3	440	22	<5	<20	2	0.04	<10	2	<10	2	8
60	L 16+00E 46+50N	0.3	1.04	<5	15	<5	0.05	<1	2	6	6	0.73	<10	0.02	18	1	0.01	3	600	16	<5	<20	1	0.04	<10	2	<10	2	8
61	L 16+00E 46+75N	0.4	1.38	<5	20	5	0.05	<1	5	21	6	2.97	10	0.15	23	<1	<0.01	4	500	24	<5	<20	3	0.07	<10	40	<10	3	31
62	L 16+00E 47+00N	0.2	1.01	<5	20	<5	0.04	<1	5	14	5	2.22	<10	0.11	26	<1	<0.01	4	230	24	<5	<20	3	0.08	<10	19	<10	4	34
63	L 16+00E 47+25N	1.0	3.72	<5	110	5	0.30	<1	21	34	24	2.95	20	0.37	511	3	0.02	32	540	68	5	<20	24	0.10	<10	18	<10	32	185
64	L 16+00E 47+50N	0.3	0.46	<5	15	<5	0.05	<1	3	5	5	0.79	<10	0.02	26	2	0.02	3	610	10	<5	<20	3	0.05	<10	6	<10	2	10
65	L 16+00E 47+75N	0.2	0.81	<5	20	<5	0.03	<1	3	5	4	0.66	<10	0.02	109	2	0.02	2	530	18	<5	<20	<1	0.08	<10	<1	<10	4	6

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
66	L 16+00E 48+00N	0.6	6.61	<5	30	10	0.23	<1	12	30	10	3.04	10	0.15	298	3	<0.01	15	3510	82	<5	<20	8	0.11	<10	12	<10	11	101
67	L 25+90E 76+75N	0.4	3.21	<5	35	<5	0.06	<1	8	35	7	4.17	20	0.32	103	<1	<0.01	10	1430	44	<5	<20	5	0.11	<10	43	<10	4	86
68	L 25+90E 76+85N	0.4	0.93	<5	35	10	0.06	<1	6	18	7	2.22	<10	0.19	94	2	<0.01	6	690	82	<5	<20	5	0.13	<10	33	<10	6	114
69	L 25+90E 76+95N	0.3	2.16	<5	50	<5	0.11	<1	9	28	10	2.77	20	0.39	122	<1	<0.01	11	610	28	5	<20	11	0.07	<10	32	<10	5	117
70	L 25+90E 77+15N	0.7	3.77	<5	40	10	0.05	<1	8	37	12	3.56	10	0.33	130	1	<0.01	12	1010	48	5	<20	4	0.09	<10	41	<10	4	105
71	L 25+90E 77+25N	0.3	3.26	<5	40	<5	0.05	<1	5	21	7	2.10	10	0.13	99	<1	<0.01	6	630	42	<5	<20	5	0.09	<10	22	<10	5	84
72	L 25+90E 77+35N	0.6	2.49	<5	100	<5	0.14	<1	8	25	9	2.40	10	0.32	243	<1	<0.01	11	1740	32	<5	<20	17	0.10	<10	21	<10	6	104
73	L 40+50N 9+00E	0.3	2.54	<5	10	<5	0.03	<1	3	11	6	1.36	<10	0.03	7	<1	0.01	4	430	28	<5	<20	<1	0.06	<10	13	<10	4	7
74	L 40+50N 9+25E	<0.2	1.35	<5	40	<5	0.04	<1	5	26	8	2.34	10	0.28	99	<1	<0.01	8	430	20	<5	<20	3	0.04	<10	28	<10	4	26
75	L 40+50N 9+50E	<0.2	1.36	<5	45	<5	0.06	<1	8	30	11	3.02	10	0.42	166	<1	<0.01	12	280	16	<5	<20	5	0.07	<10	34	<10	4	38
76	L 40+50N 9+75E	<0.2	1.24	<5	40	<5	0.06	<1	4	15	9	1.26	10	0.21	84	2	<0.01	6	340	18	<5	<20	5	0.05	<10	14	<10	7	22
77	L 40+50N 10+00E	0.2	1.48	<5	55	<5	0.06	<1	6	21	16	1.81	20	0.29	100	4	<0.01	10	270	28	<5	<20	6	0.08	<10	19	<10	9	33
78	L 40+50N 10+25E	<0.2	1.39	<5	40	<5	0.04	<1	7	29	11	3.44	20	0.38	151	2	<0.01	10	290	16	<5	<20	2	0.06	<10	30	<10	4	35
79	L 40+50N 10+50E	<0.2	0.99	<5	35	<5	0.09	<1	6	23	6	2.42	10	0.33	102	<1	<0.01	9	260	12	5	<20	5	0.05	<10	21	<10	4	30
80	L 40+50N 10+75E	0.2	1.39	<5	25	<5	0.07	<1	4	12	11	1.15	10	0.10	31	2	0.01	5	410	24	<5	<20	5	0.06	<10	8	<10	8	15
81	L 42+00N 9+00E	0.2	1.40	<5	55	<5	0.05	<1	7	28	9	2.12	10	0.44	196	<1	<0.01	13	240	20	<5	<20	6	0.08	<10	32	<10	5	45
82	L 42+00N 9+25E	0.2	0.79	<5	35	<5	0.05	<1	4	13	7	1.06	10	0.16	59	1	0.01	5	200	16	<5	<20	5	0.06	<10	12	<10	5	19
83	L 42+00N 9+50E	0.3	1.92	<5	75	<5	0.08	<1	7	29	14	2.02	20	0.42	125	2	<0.01	16	490	32	<5	<20	8	0.05	<10	21	<10	8	53
84	L 42+00N 10+25E	0.2	0.97	<5	20	<5	0.03	<1	5	19	6	2.42	<10	0.19	49	<1	<0.01	6	230	20	<5	<20	2	0.05	<10	14	<10	4	38
85	L 42+50N 7+75E	0.2	1.43	<5	45	<5	0.05	<1	7	32	19	2.90	10	0.44	191	1	<0.01	15	340	20	<5	<20	4	0.07	<10	30	<10	5	105
86	L 42+50N 8+00E	0.2	1.35	<5	45	<5	0.05	<1	5	23	9	2.12	10	0.28	130	1	<0.01	9	340	16	<5	<20	3	0.06	<10	27	<10	4	45
87	L 42+50N 8+25E	<0.2	1.34	<5	55	<5	0.06	<1	5	21	8	1.93	20	0.25	78	<1	<0.01	7	220	22	<5	<20	4	0.06	<10	22	<10	8	38
88	L 42+50N 8+50E	0.3	3.11	10	80	<5	0.06	<1	8	33	35	2.88	20	0.32	95	9	0.01	16	430	48	15	<20	8	0.10	<10	24	<10	18	59
89	L 42+50N 8+75E	<0.2	1.57	<5	70	<5	0.05	<1	6	21	7	1.60	10	0.29	260	1	<0.01	11	370	20	<5	<20	2	0.05	<10	24	<10	9	40
90	L 42+50N 9+00E	0.2	2.04	<5	50	<5	0.04	<1	5	26	7	2.11	10	0.28	93	2	<0.01	9	410	26	<5	<20	4	0.05	<10	30	<10	3	33
91	L 42+50N 9+25E	0.2	1.28	<5	50	<5	0.10	<1	12	23	9	1.91	20	0.33	565	3	<0.01	13	440	20	5	<20	7	0.05	<10	17	<10	10	56
92	L 42+50N 10+00E	0.2	1.58	<5	55	<5	0.08	<1	7	27	11	2.59	20	0.37	108	4	<0.01	12	200	28	<5	<20	8	0.07	<10	28	<10	11	120
93	L 43+00N 7+50E	0.2	1.68	<5	35	<5	0.05	<1	8	19	17	1.40	20	0.24	258	2	<0.01	9	410	22	5	<20	3	0.05	<10	14	<10	10	59
94	L 43+00N 7+75E	<0.2	1.68	5	35	<5	0.04	<1	5	22	7	2.17	10	0.19	154	4	<0.01	8	370	24	10	<20	1	0.07	<10	34	<10	5	30
95	L 43+00N 8+00E	0.3	3.36	<5	55	<5	0.03	<1	5	29	11	2.57	<10	0.19	144	2	<0.01	9	720	40	5	<20	4	0.06	<10	26	<10	4	35
96	L 43+00N 8+25E	0.2	1.77	<5	30	<5	0.05	<1	5	23	12	2.30	10	0.29	163	1	<0.01	8	440	22	<5	<20	4	0.05	<10	24	<10	7	39
97	L 43+00N 8+50E	0.2	1.65	<5	60	5	0.07	<1	7	24	18	2.39	10	0.31	238	3	0.01	12	470	32	<5	<20	7	0.07	<10	34	<10	7	62
98	L 43+00N 8+75E	0.2	1.73	<5	60	<5	0.09	<1	6	20	20	2.06	20	0.23	127	4	0.01	8	400	32	<5	<20	12	0.08	<10	18	<10	12	36
99	L 43+00N 9+00E	0.2	1.85	<5	40	<5	0.05	<1	5	21	8	1.93	10	0.22	59	<1	0.01	9	390	24	<5	<20	4	0.05	<10	21	<10	7	31
100	L 43+50N 11+75E	0.3	1.43	<5	35	<5	0.16	<1	5	21	7	2.27	<10	0.22	124	<1	<0.01	8	2250	24	5	<20	7	0.06	<10	23	<10	3	60
101	L 43+50N 12+25E	<0.2	1.33	<5	25	<5	0.03	<1	5	18	5	1.78	<10	0.18	48	1	<0.01	7	280	22	<5	<20	1	0.08	<10	21	<10	4	43
102	L 43+50N 12+50E	0.2	0.97	<5	25	<5	0.02	<1	4	12	6	1.40	<10	0.11	36	2	<0.01	4	290	18	<5	<20	1	0.10	<10	10	<10	5	22
103	L 43+50N 12+75E	0.2	0.26	<5	15	<5	0.03	<1	4	6	5	0.61	<10	0.04	38	2	0.01	3	170	10	<5	<20	2	0.11	<10	5	<10	4	15
104	L 43+50N 13+00E	0.5	1.31	<5	30	5	0.04	<1	7	21	6	2.41	<10	0.16	113	2	<0.01	7	500	28	<5	<20	<1	0.15	<10	36	<10	5	32
105	L 44+00N 12+25E	0.4	2.28	<5	50	<5	0.07	<1	5	24	7	2.38	<10	0.18	52	2	<0.01	8	530	34	5	<20	8	0.07	<10	20	<10	3	116

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
106	L 44+00N 12+75E	0.2	1.70	<5	310	5	0.10	<1	14	35	23	4.08	10	0.50	180	6	0.01	14	750	36	5	<20	7	0.25	<10	73	<10	8	68
107	L 44+50N 11+75E	<0.2	5.60	<5	20	10	0.04	<1	6	24	13	3.15	10	0.07	124	<1	<0.01	7	890	72	<5	<20	1	0.15	<10	11	<10	9	20
108	L 44+50N 12+00E	0.2	2.55	<5	25	5	0.04	<1	4	25	7	2.50	<10	0.16	25	1	<0.01	7	490	40	<5	<20	2	0.07	<10	23	<10	3	42
109	L 44+50N 12+50E	<0.2	2.32	<5	25	<5	0.03	<1	5	22	5	2.26	<10	0.14	22	2	<0.01	8	290	38	<5	<20	2	0.09	<10	24	<10	4	39
110	L 40+00N 9+00E	0.2	1.16	<5	25	<5	0.06	<1	5	19	8	2.03	10	0.22	225	1	<0.01	7	1100	26	<5	<20	3	0.05	<10	27	<10	3	28
111	L 40+00N 9+25E	0.2	3.09	<5	15	<5	0.07	<1	3	14	7	1.90	<10	0.06	4	3	0.02	6	970	36	<5	<20	4	0.06	<10	55	<10	3	9
112	L 40+00N 9+50E	0.2	2.29	<5	30	<5	0.03	<1	5	24	9	2.37	10	0.25	75	1	<0.01	8	540	34	<5	<20	3	0.06	<10	34	<10	3	28
113	L 40+00N 9+75E	0.3	1.25	<5	50	<5	0.12	<1	3	14	7	1.25	<10	0.14	74	3	<0.01	6	420	20	<5	<20	12	0.05	<10	15	<10	5	20
114	L 40+00N 10+00E	0.2	0.90	<5	30	<5	0.03	<1	3	10	10	1.13	10	0.07	75	3	<0.01	3	290	20	<5	<20	4	0.06	<10	10	<10	6	12
115	L 40+00N 10+25E	0.3	1.59	<5	30	<5	0.08	<1	7	22	8	2.27	10	0.23	315	3	<0.01	9	610	22	5	<20	<1	0.05	<10	27	<10	5	25
116	L 40+00N 10+50E	0.2	1.29	<5	55	<5	0.11	<1	7	18	8	1.38	<10	0.25	729	4	0.02	10	390	20	<5	<20	11	0.05	<10	17	<10	6	35
117	L 40+00N 10+75E	<0.2	1.51	<5	55	<5	0.08	<1	7	26	11	2.21	10	0.42	145	1	<0.01	14	310	20	<5	<20	5	0.06	<10	22	<10	7	45
118	L 40+00N 11+00E	0.2	1.71	<5	30	<5	0.03	<1	4	20	7	1.87	<10	0.17	75	1	<0.01	7	310	24	<5	<20	2	0.06	<10	18	<10	4	24
119	L 40+00N 11+50E	<0.2	1.24	<5	50	<5	0.07	<1	7	25	11	2.42	10	0.36	193	<1	<0.01	12	360	16	5	<20	8	0.06	<10	26	<10	5	41
120	L 40+00N 12+25E	<0.2	0.40	<5	20	<5	0.01	<1	3	5	3	0.74	<10	0.03	7	2	0.01	2	170	14	<5	<20	<1	0.09	<10	<1	<10	4	7
121	L 40+00N 13+00E	0.2	0.90	<5	35	<5	0.05	<1	6	14	8	1.63	<10	0.13	79	2	<0.01	5	310	20	<5	<20	4	0.14	<10	2	<10	5	31
122	L 40+00N 13+25E	0.2	1.66	5	30	<5	0.03	<1	5	21	8	2.48	10	0.19	60	2	<0.01	6	410	28	5	<20	6	0.10	<10	32	<10	4	27
123	L 40+00N 13+50E	0.4	1.36	<5	25	<5	0.04	<1	2	9	4	1.22	<10	0.03	<1	<1	<0.01	2	670	22	<5	<20	5	0.05	<10	16	<10	2	8
124	L 40+50N 11+75E	0.2	1.06	<5	25	<5	0.04	<1	6	17	8	2.48	<10	0.15	35	2	0.01	5	250	18	<5	<20	6	0.12	<10	11	<10	5	20
125	L 40+50N 12+00E	0.3	1.46	<5	60	10	0.09	<1	13	25	14	3.24	10	0.25	362	2	<0.01	10	560	36	<5	<20	7	0.17	<10	11	<10	8	61
126	L 40+50N 12+25E	0.3	2.08	<5	30	<5	0.03	<1	6	24	9	2.88	10	0.21	145	<1	<0.01	8	560	30	<5	<20	3	0.09	<10	24	<10	4	37
127	L 40+50N 12+50E	0.2	1.74	<5	40	5	0.04	<1	7	27	7	3.44	10	0.23	50	1	<0.01	8	490	28	<5	<20	3	0.11	<10	39	<10	5	39
128	L 40+50N 12+75E	0.2	0.73	<5	15	<5	0.03	<1	3	12	5	1.75	<10	0.11	29	<1	<0.01	4	240	12	<5	<20	2	0.06	<10	14	<10	4	24
129	L 41+50N 9+00E	<0.2	1.25	<5	45	<5	0.05	<1	6	22	9	2.53	10	0.26	112	2	<0.01	9	320	18	<5	<20	5	0.07	<10	24	<10	6	32
130	L 41+50N 9+25E	0.2	1.60	<5	25	<5	0.04	<1	4	15	18	1.81	10	0.08	12	1	0.01	5	440	26	<5	<20	4	0.06	<10	11	<10	8	13
131	L 41+50N 9+50E	<0.2	1.47	<5	15	<5	0.09	<1	2	8	8	0.22	10	0.07	18	1	0.02	4	590	22	<5	<20	4	0.04	<10	<1	<10	9	7
132	L 41+50N 10+00E	0.2	1.95	<5	45	<5	0.04	<1	7	31	10	3.03	10	0.35	84	2	<0.01	11	270	24	5	<20	2	0.06	<10	37	<10	4	32
133	L 41+50N 10+25E	0.2	4.05	<5	50	5	0.03	<1	12	41	14	3.64	10	0.32	231	5	<0.01	19	500	50	<5	<20	2	0.07	<10	22	<10	5	55
134	L 42+50N 9+50E	<0.2	2.13	<5	55	<5	0.07	<1	6	28	7	2.86	10	0.31	77	<1	<0.01	11	400	26	<5	<20	6	0.06	<10	24	<10	5	39
135	L 43+50N 12+25E	0.2	1.18	<5	30	<5	0.03	<1	4	14	5	1.60	10	0.11	31	1	<0.01	5	330	22	<5	<20	1	0.07	<10	15	<10	4	21
136	L 44+00N 6+50E	0.3	1.52	<5	45	<5	0.10	<1	5	21	10	1.83	10	0.25	155	<1	<0.01	9	530	22	<5	<20	7	0.04	<10	20	<10	4	42
137	L 44+00N 6+75E	<0.2	1.35	<5	40	<5	0.05	<1	6	28	7	2.98	10	0.29	170	<1	<0.01	9	1110	20	<5	<20	3	0.07	<10	39	<10	4	39
138	L 44+00N 7+00E	<0.2	1.64	<5	65	<5	0.12	<1	4	18	8	2.02	<10	0.12	202	<1	<0.01	5	490	22	<5	<20	10	0.06	<10	25	<10	2	30
139	L 44+00N 7+25E	<0.2	1.73	<5	20	5	0.04	<1	4	17	7	2.14	<10	0.12	72	1	<0.01	5	390	22	<5	<20	2	0.07	<10	30	<10	4	19
140	L 44+00N 7+50E	<0.2	1.51	<5	40	<5	0.05	<1	6	21	17	1.82	20	0.28	105	2	<0.01	10	310	28	<5	<20	2	0.08	<10	9	<10	15	40
141	L 44+00N 7+75E	0.4	3.35	<5	30	<5	0.08	<1	4	17	33	1.53	30	0.14	75	3	0.02	10	1040	52	<5	<20	9	0.04	<10	15	<10	30	27
142	L 44+00N 8+00E	0.3	1.29	<5	20	<5	0.03	<1	4	19	6	2.24	10	0.21	55	<1	<0.01	6	530	18	<5	<20	2	0.07	<10	34	<10	3	26
143	L 44+00N 8+25E	0.4	2.98	<5	20	<5	0.06	<1	4	18	9	1.73	<10	0.09	35	3	0.01	5	660	34	<5	<20	3	0.09	<10	20	<10	6	15
144	L 44+00N 8+50E	0.2	2.08	<5	40	<5	0.04	<1	6	28	7	3.61	10	0.27	52	<1	<0.01	7	360	22	<5	<20	4	0.07	<10	42	<10	3	28
145	L 44+00N 11+75E	<0.2	1.70	<5	30	5	0.03	<1	5	21	5	2.68	<10	0.16	46	2	<0.01	6	310	28	<5	<20	2	0.10	<10	28	<10	3	69

Et #.	Tag	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
146	L 44+00N 12+00E	0.2	2.85	<5	30	<5	0.04	<1	5	28	6	2.93	<10	0.14	8	1	<0.01	7	310	44	<5	<20	5	0.10	<10	20	<10	4	40
147	L 44+00N 13+00E	0.3	5.94	<5	25	5	0.03	<1	6	28	10	3.48	<10	0.10	20	3	<0.01	7	910	64	10	<20	<1	0.14	<10	19	<10	5	17
148	L 44+50N 6+25E	0.2	1.41	<5	30	<5	0.04	<1	5	19	9	2.32	10	0.16	151	<1	<0.01	6	530	20	<5	<20	3	0.06	<10	20	<10	4	25
149	L 44+50N 6+50E	0.2	2.43	<5	25	<5	0.04	<1	4	19	6	1.99	10	0.13	45	1	<0.01	5	410	28	<5	<20	3	0.06	<10	27	<10	3	19
150	L 44+50N 6+75E	0.3	2.88	<5	25	5	0.05	<1	5	18	7	1.76	<10	0.15	57	3	<0.01	6	940	38	<5	<20	3	0.13	<10	19	<10	6	18
151	L 44+50N 7+00E	0.2	1.28	<5	15	<5	0.02	<1	3	8	6	1.05	<10	0.04	22	3	0.01	2	450	26	<5	<20	1	0.06	<10	5	<10	5	8
152	L 44+50N 7+25E	0.2	1.88	<5	5	<5	0.11	<1	3	8	8	0.82	30	0.07	27	<1	0.03	4	660	22	<5	<20	6	0.05	<10	11	<10	20	12
153	L 44+50N 7+50E	0.3	1.79	<5	25	<5	0.06	<1	2	6	4	0.44	10	0.03	15	<1	0.02	4	640	26	<5	<20	6	0.04	<10	6	<10	9	7
154	L 44+50N 7+75E	0.2	0.68	<5	20	<5	0.03	<1	2	6	3	0.67	<10	0.03	15	<1	<0.01	1	200	10	<5	<20	2	0.03	<10	8	<10	2	9
155	L 44+50N 8+00E	0.2	1.74	<5	15	<5	0.02	<1	2	10	4	1.16	<10	0.04	2	<1	<0.01	3	330	26	<5	<20	<1	0.05	<10	9	<10	4	8
156	L 44+50N 8+25E	0.3	1.07	<5	15	<5	0.03	<1	4	11	5	1.69	<10	0.08	25	2	<0.01	3	370	20	<5	<20	3	0.10	<10	7	<10	6	14
157	L 44+50N 8+50E	<0.2	1.30	<5	40	<5	0.05	<1	7	25	22	3.08	20	0.30	105	1	<0.01	9	270	18	<5	<20	4	0.11	<10	42	<10	7	40
158	L 44+50N 12+75E	0.2	2.88	<5	45	<5	0.05	<1	6	34	11	3.43	20	0.34	103	<1	<0.01	11	760	38	<5	<20	4	0.04	<10	45	<10	3	68
159	L 44+50N 13+00E	<0.2	4.79	5	80	5	0.06	<1	6	26	8	2.36	<10	0.17	179	1	0.01	9	1630	60	<5	<20	4	0.12	<10	24	<10	6	31
160	L 45+50N 6+00E	0.2	1.46	<5	65	<5	0.04	<1	7	19	9	1.65	<10	0.15	364	1	<0.01	7	530	22	<5	<20	3	0.05	<10	24	<10	3	39
161	L 45+50N 6+25E	0.2	1.97	<5	40	<5	0.07	<1	6	27	11	2.27	10	0.37	192	<1	<0.01	10	560	22	<5	<20	4	0.04	<10	29	<10	4	40
162	L 45+50N 6+50E	<0.2	2.66	<5	15	<5	0.03	<1	3	14	6	1.55	<10	0.05	56	2	<0.01	4	510	30	<5	<20	2	0.06	<10	16	<10	4	11
163	L 45+50N 6+75E	<0.2	1.20	<5	25	<5	0.03	<1	3	16	5	1.32	10	0.20	142	<1	<0.01	6	380	16	<5	<20	2	0.04	<10	19	<10	3	25
164	L 45+50N 7+00E	0.2	0.96	<5	20	<5	0.04	<1	5	18	6	1.95	10	0.21	89	<1	<0.01	5	370	16	<5	<20	3	0.06	<10	26	<10	3	27
165	L 45+50N 7+25E	0.2	2.24	<5	10	<5	0.06	<1	2	8	5	0.94	<10	0.04	16	1	0.02	3	540	26	<5	<20	3	0.04	<10	13	<10	3	8
166	L 45+50N 7+50E	<0.2	0.19	<5	10	<5	0.01	<1	<1	3	2	0.20	<10	0.02	18	<1	0.01	<1	110	6	<5	<20	2	0.02	<10	4	<10	<1	5
167	L 45+50N 7+75E	0.2	1.33	<5	15	<5	0.03	<1	3	10	5	1.19	<10	0.08	19	2	<0.01	3	320	26	<5	<20	2	0.06	<10	8	<10	3	11
168	L 45+50N 8+00E	0.2	0.77	<5	25	<5	0.06	<1	4	9	8	1.03	<10	0.07	196	3	0.02	3	360	66	<5	<20	6	0.06	<10	9	<10	5	36
169	L 45+50N 8+25E	0.4	1.09	<5	40	<5	0.08	<1	7	15	13	1.42	20	0.18	175	2	0.01	7	320	112	<5	<20	8	0.07	<10	7	<10	13	97
170	L 46+00N 6+00E	<0.2	2.08	<5	90	5	0.07	<1	17	29	12	2.22	20	0.38	959	<1	0.02	14	590	30	<5	<20	6	0.06	<10	24	<10	8	81
171	L 46+00N 6+25E	0.2	1.86	<5	70	<5	0.07	<1	15	25	14	2.01	20	0.32	1085	2	0.01	13	650	28	<5	<20	6	0.05	<10	26	<10	10	69
172	L 46+00N 6+50E	0.2	0.61	<5	20	<5	0.02	<1	3	8	5	0.88	<10	0.03	92	2	0.01	2	770	18	<5	<20	2	0.06	<10	2	<10	2	8
173	L 46+00N 6+75E	0.2	2.07	<5	35	<5	0.03	<1	4	17	7	1.87	<10	0.12	31	<1	<0.01	4	520	28	<5	<20	2	0.06	<10	20	<10	4	20
174	L 46+00N 7+00E	<0.2	0.36	<5	15	<5	0.03	<1	2	6	5	0.77	<10	0.05	20	2	<0.01	2	170	10	<5	<20	2	0.05	<10	6	<10	2	10
175	L 46+00N 7+25E	<0.2	0.20	<5	5	<5	0.02	<1	1	4	3	0.33	<10	0.02	19	1	<0.01	<1	190	12	<5	<20	<1	0.03	<10	5	<10	3	11
176	L 46+00N 7+50E	0.5	0.40	<5	30	<5	0.10	<1	2	4	5	0.39	<10	0.04	29	1	0.03	3	340	16	<5	<20	12	0.03	<10	4	<10	7	18
177	L 46+00N 7+75E	<0.2	0.15	<5	30	<5	0.08	<1	2	7	3	0.41	<10	0.03	99	1	0.01	2	100	6	<5	<20	7	0.04	<10	10	<10	2	15
178	L 46+00N 8+00E	<0.2	1.07	<5	35	<5	0.28	<1	2	8	11	0.57	10	0.05	32	2	0.01	4	370	38	<5	<20	11	0.06	<10	<1	<10	11	30
179	L 46+00N 8+25E	<0.2	2.49	<5	30	<5	0.03	<1	5	28	10	2.68	10	0.20	38	2	<0.01	8	370	34	5	<20	2	0.07	<10	33	<10	6	26
180	L 57+50N 4+00E	<0.2	2.21	<5	45	5	0.07	<1	6	26	7	2.33	10	0.23	76	1	<0.01	9	460	28	<5	<20	6	0.09	<10	30	<10	5	35
181	L 57+50N 4+25E	<0.2	1.18	<5	95	<5	0.06	<1	6	24	6	2.67	<10	0.22	36	2	<0.01	4	310	26	<5	<20	6	0.15	<10	26	<10	5	34
182	L 57+50N 4+50E	<0.2	2.63	<5	20	<5	0.04	<1	4	16	5	2.10	<10	0.06	12	1	0.02	4	450	30	<5	<20	6	0.07	<10	22	<10	3	14
183	L 57+50N 4+75E	<0.2	2.65	<5	65	5	0.09	<1	6	29	9	2.23	10	0.31	93	<1	<0.01	13	480	34	<5	<20	7	0.07	<10	14	<10	4	45
184	L 58+00N 4+00E	<0.2	2.30	<5	50	<5	0.06	<1	2	9	12	0.88	<10	0.03	1	1	<0.01	4	490	36	<5	<20	5	0.06	<10	<1	<10	6	7
185	L 58+00N 4+25E	0.5	1.64	<5	45	<5	0.12	<1	4	13	6	1.31	20	0.12	33	2	0.01	7	280	32	<5	<20	12	0.09	<10	3	<10	19	16

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
186	L 58+00N 4+50E	<0.2	2.40	<5	130	5	0.11	<1	6	30	8	2.85	<10	0.30	68	2	<0.01	9	520	28	<5	<20	14	0.07	<10	27	<10	4	50
187	L 58+00N 4+75E	0.3	1.34	<5	40	<5	0.10	<1	5	10	11	1.26	<10	0.04	45	1	0.01	4	520	20	<5	<20	12	0.03	<10	16	<10	8	11
188	L 58+00N 21+00E	<0.2	1.82	<5	50	<5	0.08	<1	9	16	6	1.65	<10	0.21	66	<1	0.01	10	410	22	<5	<20	9	0.07	<10	17	<10	3	45
189	L 75+00N 22+00E	<0.2	3.43	<5	220	<5	0.46	<1	17	38	34	2.94	30	0.63	2007	3	0.02	29	810	42	<5	<20	43	0.09	<10	39	<10	20	85
190	L 75+00N 22+25E	0.4	4.47	<5	210	<5	0.71	<1	15	40	44	2.58	50	0.53	1408	2	0.02	29	1480	48	<5	<20	66	0.06	<10	39	<10	43	86
191	L 75+00N 22+50E	<0.2	4.01	<5	235	<5	0.31	<1	20	44	45	3.40	20	0.75	351	2	0.02	34	340	44	<5	<20	33	0.12	<10	32	<10	13	76
192	L 75+00N 22+75E	0.2	2.28	<5	130	<5	0.38	<1	12	27	26	2.16	20	0.53	487	2	0.02	18	340	26	<5	<20	30	0.08	<10	22	<10	15	52
193	L 75+00N 23+00E	<0.2	1.45	<5	55	<5	0.12	<1	7	19	10	1.55	10	0.32	114	<1	<0.01	11	240	18	<5	<20	9	0.06	<10	13	<10	6	43
194	L 75+50N 22+00E	0.2	1.43	<5	90	<5	0.11	<1	9	19	9	2.18	<10	0.17	706	2	0.01	7	830	32	<5	<20	11	0.14	<10	16	<10	5	55
195	L 75+50N 22+25E	<0.2	1.38	<5	40	<5	0.16	<1	6	17	5	1.69	<10	0.20	152	1	0.01	6	430	26	<5	<20	11	0.08	<10	17	<10	3	89
196	L 75+50N 22+50E	<0.2	1.72	<5	75	<5	0.27	<1	10	20	15	1.73	20	0.39	335	1	0.01	13	620	38	<5	<20	26	0.06	<10	20	<10	12	156
197	L 75+50N 22+75E	<0.2	0.57	<5	40	<5	0.09	<1	5	11	5	1.01	<10	0.18	180	<1	<0.01	5	200	8	<5	<20	8	0.04	<10	11	<10	2	41
198	L 75+50N 23+00E	<0.2	1.01	<5	45	<5	0.10	<1	7	16	7	1.65	<10	0.33	120	<1	<0.01	7	250	14	<5	<20	8	0.06	<10	19	<10	4	49
199	L 76+00N 22+00E	<0.2	0.98	<5	55	<5	0.10	<1	6	16	7	1.51	10	0.29	196	<1	<0.01	7	270	16	<5	<20	10	0.06	<10	23	<10	4	43
200	L 76+00N 22+25E	<0.2	1.56	<5	70	<5	0.15	<1	8	19	11	1.97	10	0.22	830	2	0.02	9	440	30	<5	<20	15	0.07	<10	31	<10	5	45
201	L 76+00N 22+50E	<0.2	1.29	<5	55	<5	0.07	<1	7	18	7	1.72	10	0.28	433	1	0.01	8	350	18	<5	<20	6	0.06	<10	23	<10	4	64
202	L 76+00N 22+75E	<0.2	0.60	<5	25	<5	0.04	<1	3	9	4	0.78	<10	0.10	49	1	0.01	3	210	12	<5	<20	5	0.05	<10	12	<10	2	16
203	L 76+00N 23+00E	<0.2	0.80	<5	45	<5	0.13	<1	5	12	5	1.15	<10	0.17	195	1	0.01	6	190	16	<5	<20	11	0.09	<10	16	<10	5	32
204	L 76+00N 23+25E	<0.2	1.21	<5	70	<5	0.18	<1	7	17	12	1.39	20	0.37	242	1	<0.01	10	290	16	<5	<20	17	0.05	<10	19	<10	9	37
205	L 76+50N 22+00E	0.2	2.46	25	110	<5	0.28	<1	13	31	30	2.23	30	0.53	619	2	0.02	18	600	40	<5	<20	25	0.08	<10	30	<10	21	121
206	L 76+50N 22+25E	0.3	1.91	5	70	<5	0.14	<1	9	18	11	1.94	10	0.20	750	5	0.02	9	480	30	10	<20	14	0.05	<10	28	<10	6	192
207	L 76+50N 22+50E	<0.2	1.92	<5	75	<5	0.15	<1	10	25	10	2.30	10	0.37	184	3	<0.01	14	1070	34	10	<20	11	0.06	<10	28	<10	4	502
208	L 76+50N 22+75E	<0.2	1.94	5	90	<5	0.19	<1	9	23	12	1.91	10	0.41	523	3	0.01	16	860	28	10	<20	17	0.06	<10	21	<10	5	611
209	L 76+50N 23+00E	<0.2	0.89	<5	35	<5	0.14	<1	6	13	7	1.07	10	0.31	259	<1	<0.01	7	530	16	<5	<20	6	0.04	<10	11	<10	5	293
210	L 76+50N 23+25E	<0.2	1.37	<5	45	<5	0.13	<1	6	20	9	1.93	20	0.39	107	<1	<0.01	8	1300	16	<5	<20	9	0.05	<10	28	<10	4	54
211	L 77+00N 22+00E	<0.2	1.09	<5	30	<5	0.05	<1	3	7	3	0.76	<10	0.02	127	<1	<0.01	2	660	16	<5	<20	7	0.04	<10	13	<10	2	15
212	L 77+00N 22+25E	0.2	1.74	<5	55	<5	0.09	<1	6	19	10	1.68	10	0.33	180	<1	<0.01	8	700	26	<5	<20	9	0.05	<10	19	<10	4	103
213	L 77+00N 22+50E	0.3	2.50	<5	55	<5	0.06	<1	8	25	10	2.62	10	0.31	118	<1	<0.01	10	1420	40	<5	<20	8	0.08	<10	30	<10	3	117
214	L 77+00N 22+75E	0.2	2.01	<5	55	<5	0.07	<1	8	19	8	1.85	<10	0.29	231	1	<0.01	8	830	26	<5	<20	8	0.06	<10	23	<10	4	74
215	L 77+00N 23+00E	<0.2	2.81	10	90	5	0.18	<1	12	28	13	2.37	10	0.37	244	<1	0.01	12	1280	38	<5	<20	16	0.10	<10	27	<10	6	162
216	L 77+00N 23+25E	<0.2	1.56	<5	70	<5	0.09	<1	8	21	13	1.65	<10	0.41	360	<1	<0.01	13	600	26	<5	<20	9	0.05	<10	18	<10	5	128
217	L 77+50N 22+00E	0.2	2.71	<5	120	10	0.11	<1	11	30	14	2.87	10	0.46	231	<1	<0.01	16	1110	32	<5	<20	14	0.08	<10	28	<10	4	103
218	L 77+50N 22+25E	<0.2	1.65	<5	70	<5	0.15	<1	9	24	14	2.07	10	0.49	162	<1	<0.01	15	550	22	<5	<20	12	0.06	<10	23	<10	5	79
219	L 77+50N 22+50E	0.2	1.43	<5	70	<5	0.11	<1	7	22	10	1.93	10	0.40	112	<1	<0.01	10	350	18	<5	<20	12	0.06	<10	24	<10	4	62
220	L 77+50N 22+75E	0.2	1.72	<5	80	<5	0.10	<1	9	26	12	2.26	10	0.47	141	<1	<0.01	14	290	22	<5	<20	10	0.07	<10	24	<10	5	95
221	L 77+50N 23+00E	0.2	1.43	<5	65	<5	0.17	<1	8	22	13	1.84	20	0.47	153	1	<0.01	12	450	24	<5	<20	16	0.07	<10	24	<10	10	101
222	L 77+50N 23+25E	0.2	1.89	<5	85	<5	0.19	<1	9	25	16	2.10	10	0.45	193	<1	0.01	16	360	30	<5	<20	19	0.07	<10	23	<10	10	215
223	L 77+50N 23+50E	0.2	1.55	<5	55	<5	0.12	<1	7	21	11	1.91	20	0.38	106	<1	<0.01	12	280	24	<5	<20	10	0.08	<10	16	<10	13	149
224	L 77+50N 23+75E	0.2	1.32	<5	55	<5	0.15	<1	7	20	11	1.56	10	0.39	147	<1	<0.01	13	260	24	<5	<20	13	0.06	<10	16	<10	9	110
225	L 77+50N 24+00E	0.2	1.25	<5	50	<5	0.14	<1	6	18	8	1.63	<10	0.32	92	<1	<0.01	9	510	18	<5	<20	13	0.05	<10	19	<10	4	96

Et #.	T...#	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
226	L 77+50N 24+25E	<0.2	2.65	<5	130	10	0.18	<1	14	37	19	2.93	10	0.54	201	<1	0.01	25	1450	36	5	<20	23	0.15	<10	21	<10	7	208
227	L 77+50N 24+50E	0.2	3.03	<5	85	10	0.64	<1	34	221	27	3.78	10	1.93	406	<1	0.02	180	570	38	<5	<20	86	0.21	<10	22	<10	10	431
228	L 77+50N 24+75E	<0.2	1.78	<5	70	<5	0.06	<1	11	28	12	1.99	<10	0.36	112	2	0.01	21	190	34	5	<20	11	0.11	<10	16	<10	5	123
229	L 77+50N 25+00E	0.2	1.64	<5	85	<5	0.10	<1	6	18	7	1.69	<10	0.20	49	1	<0.01	11	210	28	<5	<20	14	0.08	<10	16	<10	4	175
230	L 77+50N 25+35E	0.2	2.12	<5	25	5	0.04	<1	4	17	4	2.03	<10	0.05	<1	1	0.02	3	1310	52	<5	<20	5	0.09	<10	24	<10	4	33
231	L 78+00N 22+00E	0.8	1.15	<5	50	<5	0.06	<1	5	17	7	1.67	<10	0.24	79	<1	<0.01	7	1110	20	<5	<20	6	0.06	<10	21	<10	3	42
232	L 78+00N 22+25E	<0.2	1.40	<5	70	<5	0.13	<1	8	24	13	1.94	20	0.55	165	<1	<0.01	13	540	18	<5	<20	12	0.06	<10	22	<10	5	56
233	L 78+00N 22+50E	<0.2	1.13	<5	75	<5	0.23	<1	7	17	11	1.35	10	0.33	595	<1	<0.01	10	500	16	<5	<20	21	0.05	<10	16	<10	6	47
234	L 78+00N 22+75E	0.2	1.53	<5	75	<5	0.13	<1	9	22	13	1.75	20	0.43	118	1	<0.01	16	200	20	<5	<20	16	0.06	<10	19	<10	6	49
235	L 78+00N 23+00E	0.2	1.88	<5	100	<5	0.16	<1	8	27	14	2.38	10	0.41	108	<1	<0.01	18	320	32	<5	<20	18	0.06	<10	27	<10	4	67
236	L 78+00N 23+25E	0.2	1.56	<5	55	<5	0.15	<1	7	24	11	2.18	10	0.41	101	<1	<0.01	13	730	22	<5	<20	13	0.07	<10	23	<10	5	51
237	L 78+00N 23+50E	0.2	0.82	<5	45	<5	0.08	<1	4	12	6	0.96	<10	0.21	107	<1	<0.01	10	190	16	<5	<20	9	0.03	<10	14	<10	4	29
238	L 78+00N 23+75E	<0.2	1.62	<5	80	<5	0.15	<1	8	22	11	1.83	<10	0.35	115	<1	<0.01	19	330	30	<5	<20	15	0.05	<10	24	<10	2	89
239	L 78+00N 24+00E	0.2	1.60	<5	110	<5	0.14	<1	14	41	16	2.80	10	0.83	270	<1	0.01	38	470	30	5	<20	15	0.09	<10	52	<10	4	130
240	L 78+00N 24+25E	<0.2	1.77	<5	115	10	0.41	<1	19	44	23	3.04	<10	0.88	264	1	0.02	29	870	24	5	<20	30	0.28	<10	23	<10	8	118
241	L 78+00N 24+75E	<0.2	2.33	<5	55	10	0.05	<1	7	19	7	2.07	<10	0.17	35	<1	<0.01	9	420	32	<5	<20	6	0.09	<10	20	<10	5	69
242	L 78+00N 25+00E	<0.2	4.30	<5	75	10	0.07	<1	12	46	9	3.65	<10	0.41	87	1	<0.01	15	630	48	<5	<20	10	0.18	<10	34	<10	7	139
243	L 78+00N 25+25E	0.2	5.09	<5	45	5	0.04	<1	7	30	7	3.04	<10	0.14	7	2	<0.01	9	1090	56	<5	<20	4	0.14	<10	32	<10	6	45
244	L 25+90E 77+05N	0.8	5.20	<5	25	15	0.04	<1	6	27	12	3.06	10	0.07	37	1	<0.01	6	1140	76	<5	<20	4	0.12	<10	33	<10	8	44
245	L 26+00E 77+25N	0.5	2.93	<5	50	<5	0.08	<1	6	24	8	2.47	10	0.25	81	<1	<0.01	8	600	34	<5	<20	9	0.08	<10	28	<10	5	74
246	L 78+50N 24+00E	<0.2	1.66	5	75	<5	0.08	<1	8	18	11	2.03	<10	0.24	91	1	0.01	13	260	34	<5	<20	8	0.06	<10	20	<10	4	88
247	L 78+50N 24+25E	0.5	1.93	<5	100	<5	0.06	<1	5	14	12	1.41	<10	0.12	217	<1	0.01	8	780	40	<5	<20	5	0.07	<10	14	<10	3	104
248	L 78+50N 24+50E	0.2	2.01	10	135	<5	0.09	<1	12	30	17	3.08	10	0.32	136	<1	<0.01	29	600	40	<5	<20	8	0.05	<10	35	<10	4	266
249	L 78+50N 24+75E	0.2	3.25	<5	35	<5	0.06	<1	4	20	6	1.96	<10	0.11	21	<1	<0.01	8	590	42	<5	<20	6	0.07	<10	22	<10	3	79
250	L 78+50N 25+00E	<0.2	1.60	<5	30	5	0.05	<1	5	20	5	2.01	10	0.23	53	<1	<0.01	8	620	22	<5	<20	3	0.06	<10	26	<10	3	41
251	L 78+50N 25+25E	<0.2	2.71	<5	30	5	0.03	<1	4	16	5	1.48	<10	0.12	23	1	<0.01	6	890	30	<5	<20	<1	0.05	<10	19	<10	4	20
252	L 79+00N 24+00E	0.2	1.11	<5	75	<5	0.13	<1	3	12	5	1.31	<10	0.12	35	<1	<0.01	5	990	42	<5	<20	13	0.02	<10	24	<10	2	76
253	L 79+00N 24+50E	<0.2	2.46	<5	85	<5	0.12	<1	5	14	8	1.59	<10	0.07	35	1	0.02	5	1460	42	<5	<20	16	0.10	<10	3	<10	6	38
254	L 79+00N 24+75E	0.2	2.27	<5	70	<5	0.06	<1	8	23	9	2.32	<10	0.26	93	1	<0.01	12	850	32	<5	<20	7	0.06	<10	27	<10	3	91
255	L 79+00N 25+00E	<0.2	2.48	<5	35	5	0.05	<1	5	16	8	1.55	<10	0.16	51	<1	<0.01	8	970	28	<5	<20	3	0.06	<10	13	<10	3	45
256	L 79+50N 22+00E	<0.2	0.67	<5	30	<5	0.06	<1	4	13	6	1.10	<10	0.22	78	<1	<0.01	5	650	10	<5	<20	4	0.04	<10	15	<10	3	24
257	L 79+50N 22+25E	<0.2	2.41	<5	65	5	0.12	<1	10	27	10	2.16	<10	0.34	81	<1	0.01	14	1160	30	<5	<20	9	0.10	<10	24	<10	3	85
258	L 79+50N 22+50E	<0.2	1.88	<5	75	<5	0.12	<1	8	24	7	1.75	<10	0.25	181	1	0.01	9	1310	28	<5	<20	8	0.13	<10	12	<10	4	76
259	L 79+50N 22+75E	<0.2	2.76	<5	85	5	0.11	<1	22	87	17	2.73	<10	0.71	148	<1	0.02	28	550	34	5	<20	8	0.17	<10	29	<10	6	142
260	L 79+50N 23+00E	0.2	0.74	<5	45	<5	0.10	<1	4	10	7	0.98	<10	0.17	160	<1	<0.01	5	330	12	<5	<20	8	0.03	<10	13	<10	3	43
261	L 79+50N 23+50E	<0.2	1.16	<5	85	<5	0.33	<1	8	21	15	1.24	20	0.33	175	<1	<0.01	20	250	20	<5	<20	32	0.05	<10	10	<10	9	91
262	L 79+50N 23+75E	<0.2	0.94	<5	35	<5	0.08	<1	5	22	7	1.23	<10	0.18	48	2	<0.01	12	200	18	<5	<20	5	0.08	<10	19	<10	3	44
263	L 79+50N 24+00E	<0.2	2.82	<5	60	5	0.11	<1	6	18	5	1.75	<10	0.10	38	<1	0.02	7	760	40	<5	<20	8	0.10	<10	13	<10	5	46
264	L 79+50N 24+25E	<0.2	1.10	<5	50	<5	0.08	<1	5	18	7	1.71	<10	0.22	62	2	<0.01	7	680	30	<5	<20	8	0.08	<10	18	<10	4	72
265	L 79+50N 24+50E	0.3	4.28	<5	65	10	0.14	<1	10	30	9	2.63	<10	0.22	92	<1	0.01	16	1430	68	<5	<20	12	0.13	<10	13	<10	6	253

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
266	L 79+50N 24+75E	<0.2	1.78	<5	45	<5	0.08	<1	4	15	4	1.40	<10	0.13	70	1	<0.01	6	1160	26	<5	<20	7	0.06	<10	13	<10	3	115
267	L 79+50N 25+00E	0.5	2.47	<5	35	<5	0.05	<1	4	17	5	1.64	<10	0.11	177	1	0.01	5	730	30	<5	<20	4	0.05	<10	20	<10	3	35
268	L 79+75N 22+35E	<0.2	0.85	<5	35	<5	0.11	<1	5	14	4	1.17	<10	0.11	52	<1	0.01	5	560	14	<5	<20	9	0.08	<10	14	<10	2	36
269	L 80+00N 22+35E	<0.2	1.34	<5	45	<5	0.04	<1	5	16	11	1.67	<10	0.17	49	2	<0.01	6	260	20	<5	<20	3	0.05	<10	24	<10	3	23
270	L 80+00N 22+50E	<0.2	1.49	<5	45	<5	0.05	<1	6	18	12	1.66	<10	0.25	59	1	<0.01	8	260	22	<5	<20	5	0.05	<10	24	<10	2	30
271	L 80+00N 22+75E	<0.2	1.27	<5	40	<5	0.06	<1	6	16	9	1.61	<10	0.23	58	1	<0.01	7	200	18	<5	<20	5	0.06	<10	25	<10	3	27
272	L 80+00N 23+00E	<0.2	2.16	<5	40	<5	0.05	<1	5	15	5	1.51	<10	0.11	30	<1	<0.01	7	530	30	<5	<20	6	0.05	<10	20	<10	3	32
273	L 80+00N 23+25E	<0.2	2.90	<5	65	5	0.08	<1	9	21	8	1.96	<10	0.20	69	1	<0.01	13	890	34	<5	<20	9	0.07	<10	22	<10	4	46
274	L 80+00N 23+50E	<0.2	1.40	<5	45	<5	0.07	<1	6	14	8	1.39	10	0.25	78	<1	<0.01	8	690	16	<5	<20	5	0.04	<10	18	<10	4	40
275	L 80+00N 23+75E	<0.2	1.05	<5	30	<5	0.07	<1	4	13	9	1.28	<10	0.23	58	2	<0.01	6	310	14	<5	<20	6	0.04	<10	20	<10	3	28
276	L 80+00N 24+00E	<0.2	0.84	<5	30	<5	0.10	<1	5	13	15	1.19	10	0.32	93	<1	<0.01	8	280	12	<5	<20	8	0.04	<10	14	<10	5	34
277	L 80+00N 24+25E	<0.2	2.11	<5	70	<5	0.11	<1	8	26	15	2.21	10	0.45	117	<1	<0.01	13	1080	30	<5	<20	11	0.06	<10	26	<10	4	54
278	L 80+00N 24+50E	<0.2	2.38	<5	30	<5	0.05	<1	4	18	5	1.62	<10	0.12	45	<1	<0.01	4	1220	32	<5	<20	4	0.06	<10	20	<10	4	39
279	L 80+00N 24+75E	0.3	3.80	<5	55	<5	0.06	<1	7	21	18	2.40	<10	0.22	87	2	<0.01	9	910	24	<5	<20	5	0.06	<10	17	<10	5	41
280	L 80+00N 25+00E	<0.2	1.63	<5	50	<5	0.07	<1	7	23	11	2.10	10	0.44	126	<1	<0.01	11	290	20	5	<20	4	0.05	<10	22	<10	4	44
281	L 82+50N 22+25E	<0.2	1.64	<5	65	5	0.12	<1	9	19	8	1.69	10	0.27	109	<1	<0.01	10	1710	24	<5	<20	12	0.08	<10	9	<10	5	84
282	L 82+50N 22+50E	<0.2	0.92	<5	65	<5	0.15	<1	6	13	8	1.23	10	0.31	302	1	<0.01	8	720	14	<5	<20	14	0.04	<10	12	<10	5	40
283	L 82+50N 22+75E	<0.2	0.94	<5	25	<5	0.15	<1	6	14	18	1.40	10	0.42	140	<1	<0.01	7	560	14	<5	<20	7	0.05	<10	18	<10	6	27
284	L 82+50N 23+00E	<0.2	0.98	<5	35	<5	0.08	<1	5	15	7	1.26	10	0.27	79	1	<0.01	7	290	14	<5	<20	5	0.04	<10	13	<10	4	24
285	L 82+50N 23+25E	0.2	2.56	<5	95	<5	0.15	<1	9	25	31	1.83	30	0.45	266	<1	0.01	21	680	34	<5	<20	15	0.04	<10	25	<10	22	194
286	L 82+50N 23+50E	0.2	1.07	<5	40	<5	0.11	<1	7	16	16	1.50	10	0.37	223	<1	<0.01	9	300	14	<5	<20	11	0.04	<10	19	<10	6	33
287	L 82+50N 23+75E	0.2	1.39	<5	55	<5	0.12	<1	7	16	24	1.62	20	0.33	143	<1	0.01	10	330	18	<5	<20	10	0.05	<10	17	<10	11	39
288	L 82+50N 24+00E	<0.2	1.40	<5	60	<5	0.13	<1	7	19	18	1.87	10	0.46	129	1	<0.01	13	230	18	<5	<20	12	0.05	<10	26	<10	5	52
289	L 82+50N 24+25E	0.2	3.30	<5	125	<5	0.23	<1	26	39	55	3.38	20	0.92	493	2	0.01	31	530	50	10	<20	22	0.11	<10	50	<10	13	143
290	L 82+50N 24+50E	0.2	1.30	<5	35	<5	0.07	<1	4	13	13	1.44	10	0.15	53	2	0.01	8	250	20	<5	<20	6	0.05	<10	22	<10	8	54
291	L 82+50N 24+75E	0.2	1.71	<5	45	<5	0.08	<1	6	16	17	1.59	20	0.28	89	<1	<0.01	10	190	24	<5	<20	4	0.06	<10	16	<10	9	41
292	L 82+50N 25+00E	0.2	2.30	<5	65	<5	0.07	<1	9	24	24	2.35	10	0.44	134	1	<0.01	18	350	32	<5	<20	7	0.07	<10	29	<10	5	89
293	L 83+00N 22+25E	<0.2	2.18	<5	50	<5	0.16	<1	8	21	9	2.28	10	0.30	129	<1	<0.01	11	2650	28	<5	<20	11	0.06	<10	28	<10	4	74
294	L 83+00N 22+50E	<0.2	1.28	<5	35	<5	0.09	<1	6	16	9	1.60	10	0.33	96	1	<0.01	9	430	16	<5	<20	7	0.04	<10	19	<10	4	59
295	L 83+00N 22+75E	<0.2	2.15	<5	<5	<5	0.15	<1	4	13	4	1.49	<10	0.08	27	<1	0.03	4	790	28	<5	<20	10	0.06	<10	20	<10	4	26
296	L 83+00N 23+00E	0.2	4.37	<5	95	5	0.13	<1	7	20	5	2.13	<10	0.08	81	<1	0.01	8	3650	60	<5	<20	12	0.10	<10	19	<10	5	53
297	L 83+00N 23+75E	<0.2	1.48	<5	30	<5	0.13	<1	5	15	6	1.47	10	0.24	61	<1	<0.01	7	310	22	<5	<20	10	0.04	<10	18	<10	3	49
298	L 83+00N 24+00E	<0.2	2.19	<5	45	<5	0.11	<1	6	16	7	1.69	10	0.20	84	<1	<0.01	6	1060	28	<5	<20	9	0.06	<10	16	<10	5	46
299	L 83+00N 24+25E	<0.2	1.80	<5	50	<5	0.12	<1	6	20	12	2.37	10	0.29	84	1	<0.01	9	640	22	<5	<20	11	0.06	<10	24	<10	4	42
300	L 83+00N 24+75E	<0.2	2.15	<5	35	<5	0.10	<1	5	18	10	2.02	20	0.23	64	<1	<0.01	8	750	26	<5	<20	6	0.04	<10	25	<10	5	40
301	L 83+00N 25+00E	<0.2	1.46	<5	55	<5	0.10	<1	7	19	16	1.99	20	0.41	121	1	<0.01	11	430	18	<5	<20	10	0.05	<10	21	<10	7	61
302	L 83+50N 21+75E	<0.2	1.52	<5	70	<5	0.11	<1	9	29	10	1.89	<10	0.34	167	<1	<0.01	12	670	22	<5	<20	9	0.09	<10	8	<10	3	70
303	L 83+50N 22+00E	<0.2	2.31	<5	60	<5	0.07	<1	6	20	5	2.14	10	0.21	79	<1	<0.01	8	2600	32	<5	<20	6	0.07	<10	30	<10	3	67
304	L 83+50N 22+25E	<0.2	1.94	<5	45	<5	0.06	<1	5	17	8	1.81	<10	0.20	54	<1	<0.01	7	1290	28	<5	<20	5	0.05	<10	24	<10	3	33
305	L 83+50N 22+50E	<0.2	2.18	<5	60	<5	0.08	<1	6	17	7	1.77	<10	0.18	55	<1	<0.01	8	1570	28	<5	<20	8	0.06	<10	22	<10	4	41

Et #	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
306	L 83+50N 22+75E	0.3	3.46	<5	50	<5	0.11	<1	8	21	8	1.87	10	0.18	60	2	0.01	11	1020	40	<5	<20	6	0.08	<10	17	<10	6	47
307	L 83+50N 23+00E	0.2	3.06	<5	60	<5	0.11	<1	7	17	7	1.64	<10	0.07	333	<1	0.02	6	3000	42	<5	<20	8	0.11	<10	2	<10	5	93
308	L 83+50N 23+25E	0.2	3.67	<5	50	10	0.10	<1	7	19	6	1.96	<10	0.13	72	2	0.01	7	2990	48	<5	<20	9	0.09	<10	12	<10	6	72
309	L 83+50N 23+50E	<0.2	0.89	<5	25	<5	0.21	<1	3	9	4	1.04	<10	0.12	37	<1	<0.01	4	220	14	<5	<20	8	0.04	<10	13	<10	3	160
310	L 83+50N 23+75E	<0.2	1.16	<5	30	<5	0.15	<1	5	17	10	1.84	10	0.35	98	2	<0.01	9	250	16	<5	<20	11	0.04	<10	25	<10	4	77
311	L 83+50N 24+00E	0.2	2.06	<5	70	<5	0.11	<1	9	21	30	1.80	20	0.41	174	<1	0.01	18	390	30	<5	<20	11	0.06	<10	19	<10	21	62
312	L 83+50N 24+50E	0.2	1.51	<5	65	5	0.19	<1	7	20	20	2.02	20	0.44	132	<1	0.01	14	290	28	<5	<20	16	0.05	<10	27	<10	14	54
313	L 83+50N 24+75E	0.2	1.26	<5	60	<5	0.18	<1	8	17	21	1.69	10	0.42	161	<1	<0.01	13	370	22	<5	<20	17	0.04	<10	22	<10	8	48
314	L 83+50N 25+00E	0.2	2.00	<5	40	<5	0.11	<1	6	14	6	1.71	<10	0.14	108	<1	<0.01	5	1520	26	<5	<20	8	0.06	<10	18	<10	3	34
315	L 83+80N 24+00E	<0.2	2.08	<5	45	<5	0.12	<1	14	17	30	2.20	<10	0.16	115	1	0.01	21	1010	42	<5	<20	11	0.06	<10	18	<10	2	65
316	L 84+00N 24+25E	0.2	1.62	<5	30	<5	0.06	<1	4	18	6	1.53	<10	0.14	42	1	0.01	5	910	32	<5	<20	7	0.07	<10	12	<10	4	43
317	L 84+00N 25+25E	<0.2	1.53	<5	45	<5	0.14	<1	6	13	8	1.38	10	0.20	73	<1	<0.01	6	800	20	<5	<20	13	0.05	<10	19	<10	3	33
318	L 84+00N 25+50E	<0.2	1.79	<5	25	<5	0.05	<1	4	14	5	1.35	10	0.18	57	<1	<0.01	7	700	26	<5	<20	3	0.04	<10	14	<10	4	58
319	L 84+00N 25+75E	<0.2	2.19	<5	40	5	0.08	<1	7	19	10	1.97	10	0.32	88	1	<0.01	10	710	28	<5	<20	6	0.06	<10	21	<10	5	39
320	L 84+50N 22+75E	<0.2	1.92	<5	80	5	0.11	<1	8	22	9	2.41	<10	0.25	419	<1	0.01	11	1410	34	<5	<20	7	0.13	<10	14	<10	4	100
321	L 84+50N 23+00E	<0.2	3.84	<5	60	10	0.16	<1	12	64	6	2.49	<10	0.26	90	2	0.01	24	2090	50	<5	<20	14	0.14	<10	13	<10	4	116
322	L 84+50N 23+50E	<0.2	2.01	<5	40	<5	0.11	<1	4	14	6	1.45	<10	0.13	71	1	0.01	7	910	32	<5	<20	8	0.05	<10	18	<10	3	67
323	L 84+50N 23+75E	<0.2	5.66	<5	65	5	0.06	<1	7	31	6	3.32	<10	0.12	8	<1	<0.01	9	4030	74	<5	<20	6	0.14	<10	23	<10	5	81
324	L 84+50N 24+00E	<0.2	1.63	<5	20	5	0.10	<1	5	16	6	2.00	10	0.19	46	<1	<0.01	6	2180	26	<5	<20	7	0.09	<10	16	<10	3	76
325	L 84+50N 24+25E	0.2	3.25	<5	40	5	0.06	<1	4	19	5	1.86	<10	0.07	80	1	<0.01	5	2290	56	<5	<20	5	0.07	<10	25	<10	3	36
326	L 84+50N 24+50E	0.5	3.65	<5	35	<5	0.06	<1	5	21	7	2.30	<10	0.09	48	2	0.01	6	1830	56	<5	<20	4	0.09	<10	23	<10	4	27
327	L 85+00N 21+25E	<0.2	1.92	<5	50	<5	0.13	<1	8	17	7	1.77	<10	0.22	61	<1	0.01	10	760	24	<5	<20	11	0.06	<10	22	<10	3	51
328	L 85+00N 21+50E	<0.2	1.37	<5	65	<5	0.28	<1	5	12	6	1.28	<10	0.17	79	<1	0.01	7	890	20	<5	<20	25	0.06	<10	12	<10	4	37
329	L 85+00N 21+75E	0.2	1.09	<5	75	<5	0.22	<1	7	16	17	1.34	10	0.35	225	<1	<0.01	11	390	16	<5	<20	15	0.04	<10	19	<10	6	40
330	L 85+00N 22+00E	<0.2	1.26	<5	25	<5	0.09	<1	5	12	7	1.23	<10	0.21	71	<1	<0.01	7	760	16	5	<20	6	0.04	<10	15	<10	3	39
331	L 85+00N 22+25E	<0.2	1.42	<5	35	<5	0.08	<1	4	13	5	1.40	<10	0.11	46	<1	<0.01	5	1010	22	<5	<20	6	0.05	<10	23	<10	3	39
332	L 85+00N 22+50E	<0.2	0.77	<5	35	<5	0.12	<1	4	10	4	0.98	<10	0.17	76	<1	<0.01	6	370	12	<5	<20	10	0.03	<10	17	<10	3	35
333	L 85+00N 22+75E	<0.2	0.88	<5	20	<5	0.05	<1	2	8	3	0.81	<10	0.09	29	2	<0.01	4	330	16	5	<20	3	0.03	<10	13	<10	2	22
334	L 85+00N 23+00E	<0.2	2.50	<5	80	5	0.19	<1	10	27	12	2.63	<10	0.36	245	3	0.01	15	1210	38	5	<20	29	0.11	<10	22	<10	5	123
335	L 85+00N 23+25E	<0.2	4.81	10	80	5	0.09	<1	8	23	5	2.82	<10	0.08	98	4	0.01	7	2870	70	10	<20	11	0.19	<10	16	<10	5	60
336	L 85+00N 23+50E	<0.2	2.68	10	50	<5	0.10	1	8	27	5	2.40	<10	0.13	72	5	0.02	10	770	38	10	<20	6	0.12	<10	30	<10	3	174
337	L 85+00N 23+75E	0.2	1.01	<5	10	<5	0.08	<1	3	10	6	1.47	<10	0.04	17	1	0.01	3	790	246	<5	<20	2	0.05	<10	25	<10	2	116
338	L 40+00N 11+25E	0.2	1.22	<5	35	<5	0.04	<1	6	21	7	2.16	10	0.27	74	2	<0.01	8	250	20	<5	<20	3	0.10	<10	31	<10	6	36
339	L 40+00N 11+75E	0.2	1.56	<5	30	<5	0.04	<1	6	25	9	3.01	10	0.26	103	2	<0.01	8	380	22	<5	<20	2	0.09	<10	22	<10	5	33
340	L 40+00N 12+00E	0.2	0.96	<5	30	<5	0.07	<1	4	11	7	1.64	<10	0.07	32	2	0.01	4	820	24	<5	<20	6	0.10	<10	<1	<10	4	21
341	L 40+00N 12+50E	0.2	0.68	<5	20	<5	0.03	<1	4	10	8	1.40	<10	0.09	27	2	<0.01	4	500	18	<5	<20	2	0.12	<10	7	<10	5	18
342	L 40+00N 12+75E	0.2	3.25	<5	25	5	0.04	<1	5	20	6	2.59	<10	0.06	<1	2	<0.01	5	470	46	<5	<20	3	0.11	<10	17	<10	4	16
343	L 40+00N 13+75E	<0.2	0.88	<5	20	<5	0.04	<1	4	19	6	1.84	<10	0.24	109	<1	<0.01	8	380	18	<5	<20	4	0.04	<10	12	<10	3	41
344	L 40+00N 14+00E	0.6	2.05	<5	20	<5	0.10	<1	5	19	20	1.78	20	0.21	106	5	0.03	10	630	34	<5	<20	7	0.05	<10	15	<10	48	33
345	L 41+00N 9+25E	<0.2	1.66	<5	25	5	0.06	<1	7	28	9	3.53	10	0.32	77	2	<0.01	9	740	22	<5	<20	2	0.10	<10	48	<10	4	33

Et #	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
346	L 41+00N 9+50E	0.3	1.53	<5	25	<5	0.04	<1	5	24	7	2.69	10	0.25	132	<1	<0.01	7	550	22	<5	<20	1	0.05	<10	36	<10	3	25
347	L 41+00N 9+75E	0.2	2.65	<5	20	<5	0.06	<1	3	13	12	1.15	10	0.08	75	3	0.02	5	750	34	<5	<20	5	0.05	<10	13	<10	12	15
348	L 41+00N 10+00E	0.2	1.22	<5	45	<5	0.06	<1	5	18	7	1.29	20	0.31	110	2	0.01	8	280	20	<5	<20	4	0.06	<10	11	<10	9	32
349	L 41+00N 10+25E	0.2	1.85	<5	30	5	0.07	<1	5	17	21	1.48	20	0.20	126	3	0.01	9	520	32	<5	<20	4	0.05	<10	13	<10	19	27
350	L 41+00N 10+50E	<0.2	2.03	<5	10	<5	0.04	<1	2	9	6	1.25	<10	0.04	<1	2	0.01	3	450	26	<5	<20	1	0.05	<10	11	<10	4	7
351	L 41+00N 10+75E	<0.2	1.45	<5	50	<5	0.07	<1	7	24	9	2.20	10	0.35	170	4	<0.01	10	360	20	<5	<20	5	0.07	<10	23	<10	4	35
352	L 57+00N 5+00E	0.3	1.89	<5	70	<5	0.06	<1	5	26	13	2.02	<10	0.23	149	<1	<0.01	9	650	34	<5	<20	4	0.04	<10	15	<10	3	37
353	L 59+00N 6+00E	0.2	1.28	<5	45	<5	0.05	<1	7	30	10	3.59	<10	0.28	53	1	<0.01	8	740	24	<5	<20	4	0.11	<10	48	<10	3	48
354	SS-BHV-01	<0.2	1.55	<5	70	5	0.18	<1	9	24	14	2.08	<10	0.34	188	1	0.01	13	280	38	<5	<20	21	0.05	<10	32	<10	4	100
355	SS-HW-01	<0.2	2.95	<5	25	<5	0.06	<1	6	24	8	2.18	10	0.31	122	<1	<0.01	10	490	46	<5	<20	2	0.04	<10	23	<10	4	47
356	L T-03	<0.2	0.66	<5	10	<5	0.03	<1	3	7	4	1.02	10	0.06	27	<1	<0.01	2	380	18	<5	<20	3	0.06	<10	18	<10	4	17
357	L T-05	0.2	0.49	<5	<5	<5	0.03	<1	1	4	2	0.50	<10	0.02	19	<1	0.01	<1	270	8	<5	<20	<1	0.04	<10	7	<10	<1	5
358	L T-10	<0.2	1.56	<5	30	<5	0.04	<1	2	12	6	1.20	<10	0.03	<1	2	<0.01	2	280	26	<5	<20	5	0.07	<10	8	<10	3	15
359	L M-01	0.2	1.19	<5	30	<5	0.08	<1	6	21	7	1.95	<10	0.16	31	2	0.01	6	270	20	<5	<20	5	0.11	<10	25	<10	3	29
360	L M-02	0.3	2.81	<5	75	5	0.17	<1	10	41	10	3.34	<10	0.35	118	2	<0.01	16	970	38	<5	<20	13	0.16	<10	19	<10	4	83
QC DATA:																													
Repeat:																													
1	L MK-01	0.3	2.50	<5	55	10	0.04	<1	7	22	8	2.99	<10	0.16	86	<1	<0.01	7	500	42	<5	<20	4	0.13	<10	26	<10	6	52
10	T/L 45+00N 16+25E	0.3	2.12	<5	65	<5	0.29	<1	18	55	26	3.32	60	0.73	650	<1	<0.01	28	300	34	<5	<20	26	0.14	<10	22	<10	115	453
19	L 42+00N 9+00E	0.5	2.12	<5	30	5	0.02	<1	3	15	6	1.60	<10	0.05	25	3	<0.01	3	460	28	<5	<20	2	0.07	<10	12	<10	5	38
28	L 84+50N 22+75E	<0.2	2.80	<5	50	5	0.11	<1	6	15	5	1.35	<10	0.08	225	2	0.01	7	2140	32	5	<20	10	0.08	<10	7	<10	3	66
36	L 15+00E 44+25N	0.2	3.37	<5	15	<5	0.01	<1	2	11	8	1.04	<10	0.02	26	<1	0.01	4	340	36	<5	<20	2	0.06	<10	2	<10	6	8
45	L 15+00E 46+75N	0.2	0.70	<5	20	<5	0.10	<1	4	8	4	0.80	<10	0.03	23	2	0.02	4	440	18	<5	<20	4	0.10	<10	<1	<10	4	10
54	L 16+00E 44+50N	0.3	1.62	<5	50	<5	0.21	<1	7	23	17	1.61	20	0.38	191	<1	0.02	18	600	24	<5	<20	28	0.04	<10	13	<10	21	63
63	L 16+00E 47+25N	1.0	3.73	<5	110	<5	0.29	<1	21	34	24	2.93	20	0.37	508	2	0.02	32	530	66	5	<20	25	0.10	<10	20	<10	31	183
71	L 25+90E 77+25N	0.3	3.45	10	40	<5	0.05	<1	5	22	7	2.23	<10	0.13	97	2	<0.01	7	640	46	5	<20	4	0.09	<10	24	<10	5	82
80	L 40+50N 10+75E	0.2	1.42	<5	25	<5	0.07	<1	4	12	11	1.18	10	0.09	32	4	0.01	6	410	24	<5	<20	6	0.06	<10	9	<10	9	15
89	L 42+50N 8+75E	<0.2	1.61	<5	65	<5	0.04	<1	6	21	7	1.64	10	0.29	261	1	<0.01	10	400	22	5	<20	2	0.05	<10	26	<10	8	41
98	L 43+00N 8+75E	0.2	1.74	<5	55	<5	0.09	<1	6	20	20	2.07	20	0.23	114	3	<0.01	10	380	32	<5	<20	11	0.08	<10	21	<10	11	37
106	L 44+00N 12+75E	0.2	1.66	<5	285	10	0.08	<1	14	35	22	3.95	10	0.52	183	5	0.01	14	680	36	5	<20	5	0.24	<10	65	<10	7	70
115	L 40+00N 10+25E	0.3	1.56	<5	30	<5	0.04	<1	8	22	8	2.31	10	0.23	318	3	<0.01	9	370	20	<5	<20	1	0.05	<10	29	<10	4	26
124	L 40+50N 11+75E	0.2	0.99	<5	25	<5	0.04	<1	5	16	7	2.33	<10	0.14	28	2	0.01	5	230	16	<5	<20	5	0.10	<10	14	<10	5	18
133	L 41+50N 10+25E	<0.2	3.99	<5	55	5	0.03	<1	12	40	14	3.58	10	0.32	234	5	<0.01	18	480	48	<5	<20	3	0.07	<10	24	<10	5	55
141	L 44+00N 7+75E	0.4	3.43	<5	30	<5	0.09	<1	4	18	33	1.58	30	0.14	80	3	0.02	10	1060	56	<5	<20	8	0.04	<10	16	<10	30	28
150	L 44+50N 6+75E	0.3	2.86	<5	20	10	0.05	<1	5	19	7	1.81	<10	0.16	54	2	<0.01	7	950	36	<5	<20	3	0.12	<10	21	<10	6	18
159	L 44+50N 13+00E	<0.2	4.86	<5	70	10	0.06	<1	5	27	8	2.33	<10	0.15	171	3	0.01	8	1640	58	<5	<20	4	0.11	<10	22	<10	6	28
168	L 45+50N 8+00E	0.2	0.73	<5	25	<5	0.06	<1	4	8	8	0.95	<10	0.06	156	3	0.02	3	350	64	<5	<20	5	0.06	<10	7	<10	5	35
176	L 46+00N 7+50E	0.6	0.40	<5	30	<5	0.09	<1	1	4	7	0.37	<10	0.04	21	1	0.02	2	310	14	<5	<20	11	0.02	<10	3	<10	6	18
185	L 58+00N 4+25E	0.5	1.67	<5	50	<5	0.12	<1	4	14	6	1.37	20	0.13	35	2	0.01	6	280	30	<5	<20	14	0.09	<10	6	<10	19	16
194	L 75+50N 22+00E	0.2	1.43	<5	95	<5	0.11	<1	9	18	9	2.14	<10	0.16	705	2	0.01	7	840	32	<5	<20	12	0.14	<10	15	<10	4	52
203	L 76+00N 23+00E	<0.2	0.75	<5	40	<5	0.12	<1	5	11	5	1.11	<10	0.16	167	2	0.01	5	180	14	<5	<20	9	0.08	<10	18	<10	4	31

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
211	L 77+00N 22+00E	0.2	1.12	<5	35	<5	0.05	<1	3	7	4	0.80	<10	0.03	120	<1	<0.01	3	690	14	<5	<20	7	0.03	<10	14	<10	2	16
220	L 77+50N 22+75E	0.2	1.70	<5	80	<5	0.10	<1	9	25	12	2.25	10	0.46	140	<1	<0.01	13	320	22	<5	<20	9	0.07	<10	24	<10	5	94
229	L 77+50N 25+00E	<0.2	1.55	<5	80	5	0.09	<1	6	17	7	1.62	<10	0.19	47	1	<0.01	10	200	28	<5	<20	13	0.08	<10	15	<10	4	165
238	L 78+00N 23+75E	<0.2	1.61	<5	80	<5	0.15	<1	8	21	10	1.83	<10	0.34	114	<1	<0.01	20	360	30	<5	<20	15	0.05	<10	24	<10	3	86
246	L 78+50N 24+00E	<0.2	1.55	<5	70	<5	0.07	<1	7	17	10	1.87	<10	0.22	82	1	<0.01	12	250	32	<5	<20	5	0.06	<10	19	<10	3	83
255	L 79+00N 25+00E	<0.2	2.70	<5	35	<5	0.05	<1	5	17	8	1.64	<10	0.16	45	<1	<0.01	7	1060	34	<5	<20	3	0.06	<10	14	<10	3	44
264	L 79+50N 24+25E	<0.2	1.09	<5	55	<5	0.08	<1	5	17	8	1.71	<10	0.21	58	1	<0.01	7	690	26	<5	<20	8	0.08	<10	20	<10	4	69
273	L 80+00N 23+25E	<0.2	2.94	<5	70	<5	0.08	<1	10	21	8	1.99	10	0.21	73	2	<0.01	14	880	36	<5	<20	8	0.07	<10	22	<10	4	47
281	L 82+50N 22+25E	<0.2	1.61	<5	60	<5	0.11	<1	9	19	7	1.65	<10	0.27	90	<1	<0.01	10	1650	22	<5	<20	9	0.08	<10	6	<10	5	82
290	L 82+50N 24+50E	0.2	1.28	<5	35	<5	0.07	<1	5	13	13	1.43	10	0.16	54	<1	<0.01	7	220	18	<5	<20	6	0.05	<10	23	<10	7	53
299	L 83+00N 24+25E	<0.2	1.79	<5	50	<5	0.12	<1	7	20	11	2.38	10	0.29	84	<1	<0.01	9	660	24	<5	<20	11	0.07	<10	23	<10	4	43
308	L 83+50N 23+25E	0.3	3.67	<5	50	5	0.10	<1	7	18	6	1.96	<10	0.13	79	<1	0.01	6	2970	46	<5	<20	11	0.10	<10	12	<10	6	68
316	L 84+00N 24+25E	0.2	1.62	<5	25	5	0.06	<1	5	18	6	1.53	<10	0.14	39	<1	0.01	6	940	32	<5	<20	4	0.07	<10	12	<10	4	43
325	L 84+50N 24+25E	0.2	3.09	<5	35	5	0.06	<1	4	18	5	1.80	<10	0.06	71	<1	<0.01	5	2250	56	<5	<20	2	0.07	<10	26	<10	3	35
334	L 85+00N 23+00E	<0.2	2.38	<5	80	5	0.17	<1	10	26	11	2.51	<10	0.34	237	1	0.01	15	1160	34	<5	<20	30	0.10	<10	23	<10	3	116
343	L 40+00N 13+75E	<0.2	0.86	<5	20	<5	0.03	<1	4	19	6	1.84	<10	0.24	106	<1	<0.01	8	350	18	<5	<20	5	0.04	<10	13	<10	3	40
351	L 41+00N 10+75E	<0.2	1.46	<5	50	<5	0.07	<1	7	24	9	2.18	10	0.37	170	5	<0.01	10	350	22	<5	<20	5	0.07	<10	23	<10	4	36
Standard:																													
GEO 04		1.5	1.69	60	155	<5	1.49	<1	19	60	86	3.45	<10	0.94	589	<1	0.03	33	720	24	<5	<20	55	0.11	<10	61	<10	10	74
GEO 04		1.5	1.73	65	155	<5	1.52	<1	20	61	85	3.55	<10	0.96	603	<1	0.03	31	750	22	<5	<20	54	0.11	<10	60	<10	10	73
GEO 04		1.5	1.65	60	160	<5	1.49	<1	19	61	85	3.46	10	0.94	589	1	0.02	31	750	20	<5	<20	53	0.10	<10	61	<10	10	73
GEO 04		1.5	1.71	60	155	<5	1.53	<1	20	60	84	3.56	<10	0.96	605	<1	0.02	30	740	24	<5	<20	53	0.10	<10	60	<10	10	74
GEO 04		1.5	1.70	65	165	<5	1.51	<1	19	61	85	3.52	<10	0.96	593	<1	0.03	33	740	22	<5	<20	54	0.10	<10	61	<10	11	73
GEO 04		1.5	1.67	65	160	<5	1.52	<1	19	61	85	3.50	10	0.97	620	<1	0.02	32	740	24	<5	<20	55	0.10	<10	62	<10	11	71
GEO 04		1.5	1.61	60	155	<5	1.42	<1	19	62	90	3.34	10	0.93	575	<1	0.02	30	710	20	<5	<20	50	0.09	<10	62	<10	10	74
GEO 04		1.5	1.67	60	155	<5	1.46	<1	19	60	90	3.44	<10	0.93	585	<1	0.02	31	730	22	<5	<20	49	0.10	<10	62	<10	11	75
GEO 04		1.5	1.75	60	155	<5	1.52	<1	20	62	85	3.57	10	0.97	609	<1	0.03	33	770	24	<5	<20	53	0.11	<10	60	<10	11	75
GEO 04		1.5	1.75	60	160	<5	1.53	<1	20	60	85	3.59	<10	0.98	612	1	0.03	30	810	24	<5	<20	54	0.10	<10	61	<10	12	74
GEO 04		1.5	1.74	65	155	<5	1.52	<1	20	61	83	3.56	10	0.97	605	<1	0.03	33	810	22	<5	<20	52	0.11	<10	60	<10	11	73

JJ/sc/jm
If/1329A/1338/1329C
XLS/04

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

23-Sep-04

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2004-1311

RENAISSANCE GEOSCIENCE SERVIES
879 McQueen Drive
KAMLOOPS, BC
V2B 7X8

ATTENTION: Leo Lindinger

No. of samples received: 19
Sample type: Moss Matts
Project #: Broken Hill
Shipment #: Not indicated
Samples submitted by: Denis Delisle

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	MM-SUN-01	5	0.2	1.74	<5	70	<5	1.15	<1	18	48	41	3.41	20	0.89	531	<1	0.03	54	890	26	5	<20	72	0.12	<10	30	<10	24	117
2	MM-SUN-02	5	<0.2	0.71	<5	25	<5	0.36	<1	7	15	10	1.26	30	0.39	312	1	<0.01	9	1260	10	5	<20	21	0.04	<10	24	<10	9	41
3	MM-SUN-03	5	<0.2	0.83	<5	35	<5	0.46	<1	8	16	15	1.44	30	0.41	395	<1	<0.01	9	1550	12	<5	<20	21	0.05	<10	27	<10	12	47
4	MM-SUN-04	5	0.3	0.78	<5	70	<5	1.64	<1	5	13	19	0.88	20	0.30	612	<1	<0.01	17	1090	16	<5	<20	98	0.02	<10	17	<10	14	60
5	MM-BHR-01	5	<0.2	2.18	<5	250	<5	0.81	<1	29	51	25	2.90	30	0.64	>10000	<1	0.02	39	1180	32	<5	<20	66	0.10	<10	31	<10	23	309
6	MM-BHR-02	5	<0.2	1.00	<5	95	<5	0.52	<1	12	21	11	1.59	20	0.35	3323	<1	0.02	14	1390	16	<5	<20	29	0.05	<10	19	<10	26	126
7	MM-5HA-01	5	<0.2	0.96	<5	80	<5	0.22	<1	43	17	9	1.82	20	0.23	4642	<1	<0.01	12	810	28	<5	<20	15	0.03	<10	17	<10	9	59
8	MM-BH-01	25	<0.2	0.78	<5	30	<5	0.36	<1	8	13	18	1.19	20	0.36	401	<1	<0.01	9	1000	10	<5	<20	19	0.04	<10	19	<10	8	47
9	MM-MK-01	10	0.2	1.39	10	255	<5	1.04	1	31	16	12	2.58	20	0.11	>10000	<1	<0.01	10	1900	64	<5	<20	86	0.02	<10	26	<10	17	160
10	MM-MK-02	5	0.5	1.93	<5	120	<5	0.51	<1	11	19	12	2.01	20	0.18	2690	<1	<0.01	14	1140	60	<5	<20	53	0.04	<10	24	<10	22	97
11	MM-MK-03	5	0.4	0.86	<5	130	<5	1.45	2	11	7	17	0.47	30	0.07	4481	<1	<0.01	13	2030	42	<5	<20	98	<0.01	<10	6	<10	37	66
12	MM-TL45-01	5	<0.2	0.69	<5	35	<5	0.15	<1	6	13	3	1.09	<10	0.22	834	<1	<0.01	7	380	8	<5	<20	12	0.03	<10	12	<10	5	38
13	MM-TL45-02	5	<0.2	0.68	<5	55	<5	0.11	<1	11	15	5	1.62	10	0.22	2863	<1	<0.01	9	350	10	<5	<20	10	0.04	<10	14	<10	4	40
14	MM-TL45-03	5	<0.2	0.67	<5	85	<5	0.19	<1	23	16	4	2.13	<10	0.21	5377	<1	<0.01	12	530	10	<5	<20	19	0.03	<10	16	<10	4	57
15	MM-TL45-04	10	<0.2	0.76	<5	100	<5	0.20	<1	32	19	5	2.76	10	0.22	6074	<1	0.01	11	600	14	<5	<20	21	0.04	<10	18	<10	5	56
16	MM-TL45-05	5	<0.2	0.70	<5	60	<5	0.11	<1	25	18	3	2.77	<10	0.21	3841	<1	<0.01	8	460	12	<5	<20	10	0.04	<10	18	<10	3	42
17	MM L41+00N 10+85E	5	<0.2	0.68	<5	45	<5	0.13	<1	19	13	5	1.22	10	0.21	1717	<1	<0.01	10	550	14	<5	<20	7	0.03	<10	12	<10	6	44
18	MM L42+50N 8+75E	5	<0.2	0.61	<5	40	<5	0.10	<1	7	11	3	0.88	10	0.16	649	<1	<0.01	6	310	10	<5	<20	6	0.03	<10	11	<10	6	35
19	MM L42+50N 9+15E	5	0.2	0.64	<5	40	<5	0.10	<1	7	12	4	0.95	10	0.19	615	<1	<0.01	7	310	10	<5	<20	6	0.03	<10	12	<10	5	37

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																														
Repeat:																														
1	MM-SUN-01	-	<0.2	1.56	<5	70	<5	1.28	<1	16	42	38	3.05	20	0.81	523	<1	0.02	54	850	24	<5	<20	82	0.11	<10	29	<10	25	110
3	MM-SUN-03	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	MM-MK-01	-	0.2	1.36	10	260	<5	1.02	1	32	15	12	2.49	10	0.10	>10000	<1	<0.01	9	1800	62	<5	<20	86	0.02	<10	25	<10	17	160
12	MM-TL45-01	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard:																														
GEO '04		135	1.5	1.74	65	160	<5	1.58	<1	21	61	86	3.79	<10	0.96	626	<1	0.03	30	780	22	<5	<20	56	0.12	<10	60	<10	10	76

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/jm
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KLS/04

23-Sep-04

ECO TECH LABORATORY LTD.
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ICP CERTIFICATE OF ANALYSIS AK 2004-1313

RENAISSANCE GEOSCIENCE SERVIES
879 McQueen Drive
KAMLOOPS, BC
V2B 7X8

ATTENTION: Leo Lindinger

No. of samples received: 5
Sample type: Glacial Till
Project #: Broken Hill
Shipment #: None Given
Samples submitted by: Denis Delisle

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	FLT-RD-01	5	<0.2	1.05	<5	35	<5	0.13	<1	17	41	14	9.38	20	0.46	230	<1	<0.01	12	320	8	<5	<20	13	0.05	<10	20	<10	<1	35
2	GT-BH-01	5	<0.2	0.92	<5	65	<5	0.27	<1	8	20	18	1.52	10	0.39	207	<1	0.01	27	610	20	<5	<20	17	0.05	<10	14	<10	10	35
3	GT-RD-01	5	0.3	1.28	<5	35	<5	0.04	<1	11	33	38	5.20	20	0.42	205	<1	<0.01	23	710	38	<5	<20	2	0.03	<10	24	<10	3	86
4	GT-RD-04	5	0.2	1.79	<5	50	<5	0.05	<1	6	20	9	1.71	<10	0.25	115	<1	<0.01	16	530	32	<5	<20	2	0.03	<10	14	<10	5	68
5	GT-57+50	10	<0.2	2.06	<5	1320	<5	0.57	<1	24	88	19	3.29	20	1.78	420	<1	0.02	85	2790	30	5	<20	63	0.25	<10	24	<10	14	71

QC DATA:

Repeat:

1	FLT-RD-01	15	<0.2	1.04	<5	35	<5	0.13	<1	17	41	14	9.33	20	0.46	191	<1	<0.01	12	360	6	<5	<20	11	0.05	<10	19	<10	<1	34

Standard:

GEO '04		135	1.5	1.74	65	170	<5	1.58	<1	21	61	86	3.79	<10	0.96	626	<1	0.03	30	780	24	<5	<20	56	0.12	<10	60	<10	10	74

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

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df/1279
KLS/04

17-Sep-04

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ICP CERTIFICATE OF ANALYSIS AK 2004-1312

RENAISSANCE GEOSCIENCE SERVIES
879 McQueen Drive
KAMLOOPS, BC
V2B 7X8

ATTENTION: Leo Lindinger

No. of samples received: 32
Sample type: Rock Chips
Project #:Broken Hill
Shipment #: Not indicated
Samples submitted by: Denis Delisle

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	OC-MKY-T01	245	0.4	0.86	<5	35	135	0.40	8	14	127	351	4.06	10	0.24	308	9	0.04	14	950	86	<5	<20	10	0.30	<10	10	<10	5	4415
2	FLT-MKY-T1	10	0.2	6.97	<5	15	10	5.44	<1	19	65	50	1.91	<10	0.14	45	16	0.71	54	870	64	<5	<20	297	0.72	<10	3	<10	5	17
3	FLT-MKY-T2	15	<0.2	0.67	<5	5	10	0.29	<1	4	114	20	1.00	<10	0.14	183	7	0.13	6	150	10	<5	<20	35	0.34	<10	3	<10	7	24
4	FLT-MKY-T3	>1000	0.5	1.47	<5	5	895	0.49	<1	55	115	607	>10	60	0.73	440	<1	0.07	69	1370	20	<5	<20	5	0.38	<10	17	<10	10	262
5	FLT-MKY-T4	30	18.8	1.08	<5	25	190	1.98	140	25	98	22	4.00	<10	0.14	305	<1	<0.01	4	1700	>10000	<5	<20	48	0.50	<10	9	<10	4	>10000
6	FLT-MKY-T5	30	6.9	1.46	<5	15	75	1.71	233	46	119	33	6.43	10	0.21	689	<1	<0.01	11	1100	7400	<5	<20	18	0.60	<10	13	<10	6	>10000
7	FLT-MKY-T7	10	<0.2	1.85	<5	65	<5	0.94	<1	31	144	162	5.44	40	0.59	1912	49	0.09	64	1600	30	<5	<20	6	1.38	<10	190	<10	11	204
8	FLT-MK-01	55	6.9	0.67	<5	<5	100	0.08	<1	186	87	1163	>10	30	0.44	<1	<1	0.02	90	290	224	<5	<20	<1	0.09	<10	8	<10	5	372
9	OC-MK-02	10	<0.2	2.10	<5	35	<5	1.51	<1	20	97	134	3.88	30	0.73	170	25	0.28	30	2040	26	<5	<20	127	1.22	<10	23	<10	12	63
10	FDC-MK-01	10	<0.2	3.75	<5	40	<5	3.37	<1	20	64	79	1.89	<10	0.13	18	28	0.46	57	2760	44	<5	<20	560	0.94	<10	<1	<10	6	53
11	Outcrop #1	10	<0.2	0.04	<5	<5	<5	0.01	<1	<1	153	6	0.56	<10	<0.01	32	2	<0.01	6	30	4	<5	<20	<1	<0.01	<10	<1	<10	<1	14
12	Float #1	20	<0.2	2.45	<5	200	5	1.66	<1	45	85	18	6.14	20	1.05	510	70	0.21	12	780	26	5	<20	<1	3.59	<10	256	<10	14	109
13	OC-QU-01	15	<0.2	0.02	<5	<5	<5	<0.01	<1	<1	175	3	0.25	<10	<0.01	47	2	<0.01	4	<10	2	<5	<20	<1	<0.01	<10	<1	<10	<1	14
14	FLT-BMV-01	10	<0.2	0.17	<5	15	<5	0.03	<1	<1	78	2	0.42	<10	0.02	109	6	0.04	2	90	10	<5	<20	<1	0.01	<10	1	<10	1	38
15	OC-BHR-01	40	<0.2	1.80	<5	5	30	1.65	<1	23	80	81	3.24	<10	0.69	460	28	0.15	33	1880	20	<5	<20	93	1.57	<10	10	<10	9	104
16	OC-BHR-02	10	<0.2	0.22	<5	15	<5	0.55	<1	1	65	4	0.48	<10	0.03	234	5	0.03	4	340	20	<5	<20	21	0.01	<10	<1	<10	6	37
17	FLT-BHR-01	10	<0.2	2.86	<5	160	<5	0.43	<1	42	139	39	7.49	20	2.52	863	59	0.05	36	1390	28	<5	<20	12	3.25	<10	106	<10	13	197
18	FLT-BHR-02	10	<0.2	4.61	<5	50	<5	4.20	<1	22	72	42	2.12	10	0.29	229	24	0.30	64	870	50	<5	<20	396	1.01	<10	7	<10	10	47
19	FLT-BHR-03	10	<0.2	6.60	<5	30	5	6.64	<1	25	78	64	3.06	<10	0.74	289	15	0.32	62	710	74	<5	<20	578	0.86	<10	19	<10	4	59
20	FLT-HW-01	10	0.2	7.11	<5	25	<5	5.77	<1	26	89	82	2.62	<10	0.30	122	21	0.44	54	1700	246	<5	<20	296	0.82	<10	14	<10	6	272
21	FLT-HW-02	5	<0.2	4.16	<5	45	<5	4.17	<1	78	138	201	4.49	10	0.37	295	24	0.28	469	3310	48	<5	<20	246	1.35	<10	23	<10	5	61
22	FLT-DEN-01	30	7.7	0.78	<5	5	50	0.26	65	107	136	743	>10	50	0.67	214	7	0.02	190	930	2768	<5	<20	<1	1.08	<10	15	<10	12	>10000
23	FLT-DEN-02	105	<0.2	2.16	<5	25	60	2.23	<1	14	91	86	3.23	10	0.47	461	22	0.19	38	490	26	<5	<20	84	1.24	<10	6	<10	8	167
24	FLT-DEN-05	305	0.4	0.74	<5	<5	140	0.68	<1	18	101	270	8.16	20	0.42	541	7	0.12	16	590	22	<5	<20	13	0.57	<10	11	<10	9	100
25	FLT 25+40E 77+10N	10	5.7	2.19	<5	130	60	8.29	19	31	206	17	1.90	20	0.20	206	63	0.03	30	1770	>10000	<5	<20	<1	4.03	<10	13	<10	12	8182

Et #	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	FLT 25+50E 77+10N	10	1.7	2.19	<5	220	40	2.00	17	19	169	18	1.56	20	0.23	367	25	0.16	26	640	6160	<5	<20	51	1.44	<10	7	<10	16	7408
27	FLT 25+55E 7+10N	10	<0.2	0.33	<5	115	<5	0.49	16	11	122	64	1.86	<10	0.09	115	<1	0.02	17	1060	278	<5	<20	8	0.32	<10	3	<10	4	>10000
28	FLT 25+56E 7+10N	10	<0.2	1.40	<5	105	<5	2.38	32	17	155	136	3.25	<10	0.10	31	2	0.04	25	500	294	<5	<20	32	0.74	<10	3	<10	4	>10000
29	FLT 25+60E 7+10N	10	8.1	1.33	<5	45	55	2.76	200	48	81	229	7.83	20	0.31	632	<1	0.26	83	2970	>10000	<5	<20	5	0.94	<10	33	<10	14	>10000
30	FLT 25+90E 76+90N	40	<0.2	1.16	<5	35	20	0.97	7	4	112	31	1.30	<10	0.08	109	5	0.12	7	800	40	<5	<20	40	0.16	<10	4	<10	5	959
31	FLT B4+80	10	0.2	6.05	<5	100	<5	5.44	<1	31	77	155	2.70	<10	0.20	97	37	0.26	51	1410	100	<5	<20	765	1.71	<10	5	<10	7	126
32	OC 84+80N 24E	10	<0.2	6.14	<5	115	<5	5.41	<1	35	88	101	2.57	<10	0.20	85	44	0.29	59	1310	70	<5	<20	895	1.88	<10	3	<10	8	38
QC DATA:																														
Resplit:																														
1	OC-MKY-T01	285	0.7	0.84	<5	30	170	0.44	10	16	143	330	4.39	10	0.23	316	<1	0.04	18	960	130	<5	<20	8	0.33	<10	9	<10	5	4480
Repeat:																														
1	OC-MKY-T01	265	0.4	0.87	<5	30	140	0.44	9	15	133	337	4.23	10	0.24	339	9	0.04	15	970	92	<5	<20	12	0.31	<10	9	<10	5	4305
10	FDC-MK-01	10	<0.2	3.92	<5	40	<5	3.52	<1	21	67	79	1.92	<10	0.14	20	30	0.49	59	2770	48	<5	<20	587	0.91	<10	<1	<10	7	53
19	FLT-BHR-03	15	<0.2	6.50	<5	35	5	6.54	<1	26	79	63	3.03	<10	0.72	288	17	0.32	62	700	70	<5	<20	581	0.91	<10	18	<10	5	59
24	FLT-DEN-05	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard:																														
GEO '04		135	1.4	1.72	65	160	<5	1.81	<1	20	60	86	3.97	<10	0.98	673	<1	0.02	36	760	22	10	<20	43	1.41	<10	60	<10	9	73

ECO TECH LABORATORY LTD.
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ASSAYING
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CERTIFICATE OF ASSAY AK 2004-1312

RENAISSANCE GEOSCIENCE SERVIES
879 McQueen Drive
KAMLOOPS, BC
V2B 7X8

23-Sep-04

ATTENTION: Leo Lindinger

No. of samples received: 32
Sample type: Rock Chips
Project #: Broken Hill
Shipment #: None Given
Samples Submitted by: Denis Delisle

ET #.	Tag #	Au (g/t)	Au (oz/t)	Pb (%)	Zn (%)
4	FLT-MKY-T3	1.28	0.037		
5	FLT-MKY-T4			2.26	8.92
6	FLT-MKY-T5				15.5
22	FLT-DEN-01				3.04
25	FLT 25+40E 77+10N			4.62	
27	FLT 25+55E 7+10N				1.25
28	FLT 25+56E 7+10N				2.28
29	FLT 25+60E 7+10N			2.17	11.0
QC DATA:					
Repeat:					
5	FLT-MKY-T4			2.26	8.88
Standard:					
PB104				1.00	1.40
PB106				0.52	0.84
PM169		0.65	0.019		

JJ/sc/jm
XLS/04

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Appendix 2

2004 Zinc, Lead and Silver Soil Results, Rock Sample Location Map, Moss Mat Sample Location Map

TABLE 4

GEOLOGICAL LEGEND - BROKEN HILL PROJECT

to accompany Figure 9

TERTIARY

TDIKE - Grey fine to medium grained intermediate intrusive rock. Fine to medium grained hornblende and feldspars in a grey aphanitic groundmass. (Pautler unit 6)

CRETACEOUS AND/OR TERTIARY

PEG. - Pegmatite sills and dykes. Leucocratic medium but usually coarse grained quartz-plagioclase biotite or muscovite intrusive. Often 'contaminated' with partially assimilated wall rocks. (Pautler unit 5)

GRANO - Leucocratic fine grained granodioritic intrusive. (Pautler unit 4)

PROTEROZOIC to PALAEOZOIC: KOOTENAY TERRANE

(Shuswap Metamorphic Complex)

DEVONIAN?

ORTHGN - Feldspar augen orthogneiss ranges from dioritic to quartz dioritic. (not seen in drill core).

PROTEROZOIC? - HORSETHIEF CREEK GROUP?

BIOGN - Metapelitic medium grained usually siliceous biotite gneiss. (Pautler unit 2)

CALC-SIL - red-pink to green usually coarse grained, coarsely banded garnet-amphibole-quartz clac silicate and skarn with remnant calcite rich pods. (Pautler unit 3)

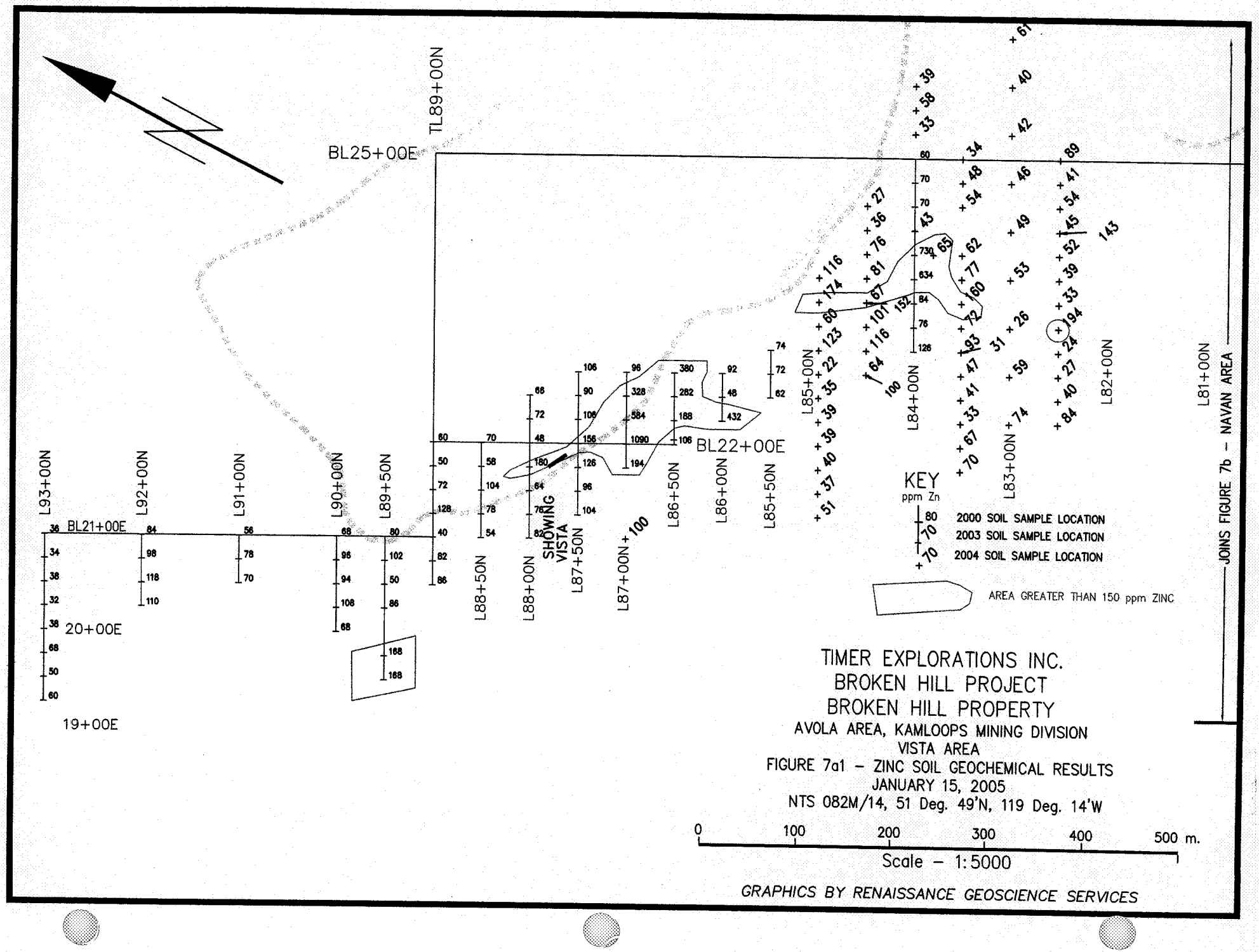
MARB - Leucocratic grey to white crystalline marble. (Pautler unit 3-Mb)

SILCC - Siliceous calc-silicate subunit of CALC-SIL. Leucocratic laminated and banded moderately to highly siliceous rock. Over 35% free cryptocrystalline quartz. (incorporated into Pautler unit 3)

CHERT - Cryptocrystalline laminated siliceous subunit of CALC-SIL. Possibly meta-exhalite. Over 75% free quartz. (incorporated into Pautler unit 3)

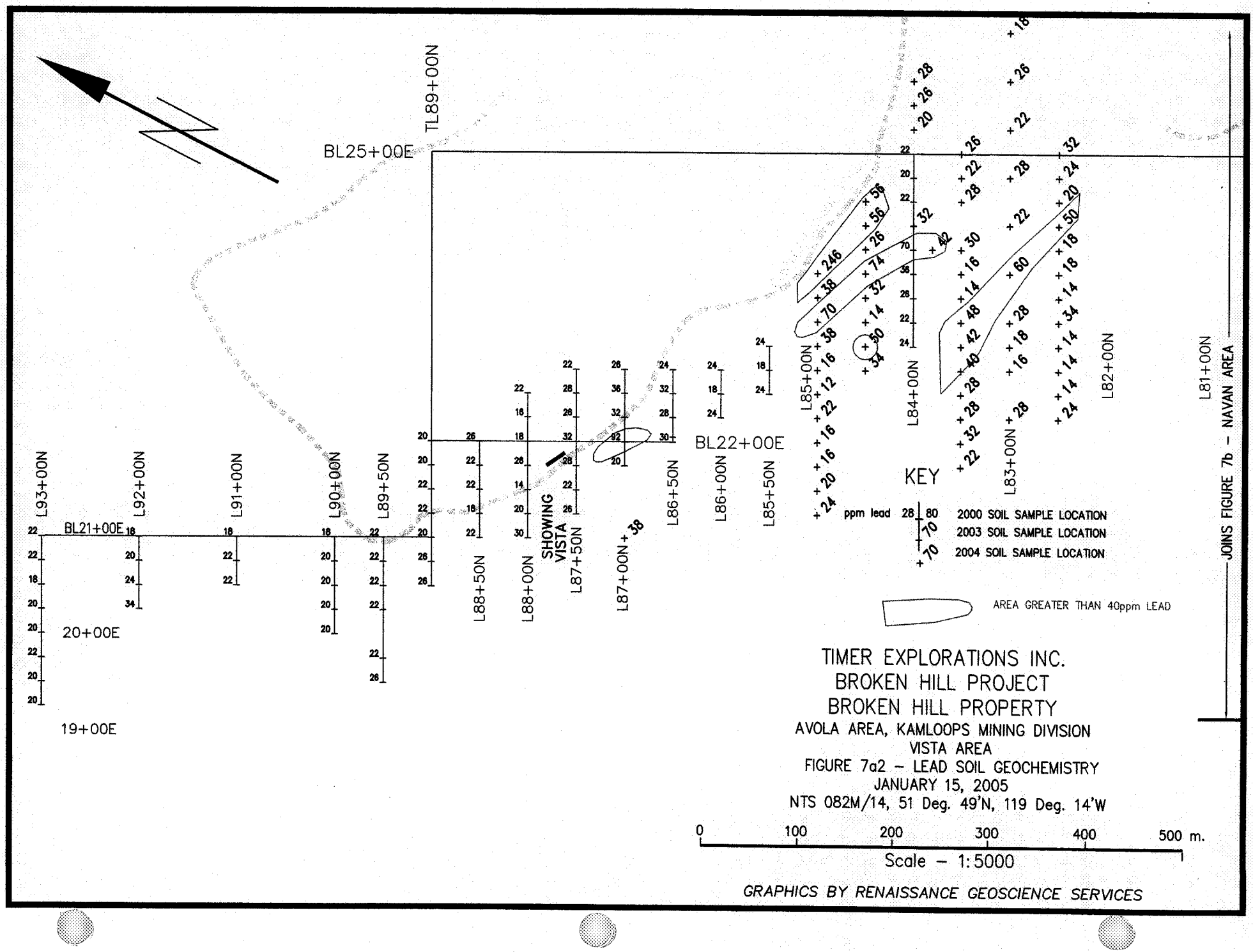
BIOHBGN - Intermediate fine to medium grained banded metapelite? Similar to BIOGN but with less quartz and the appearance of trace to 15% amphibole. (incorporated into Pautler unit 1)

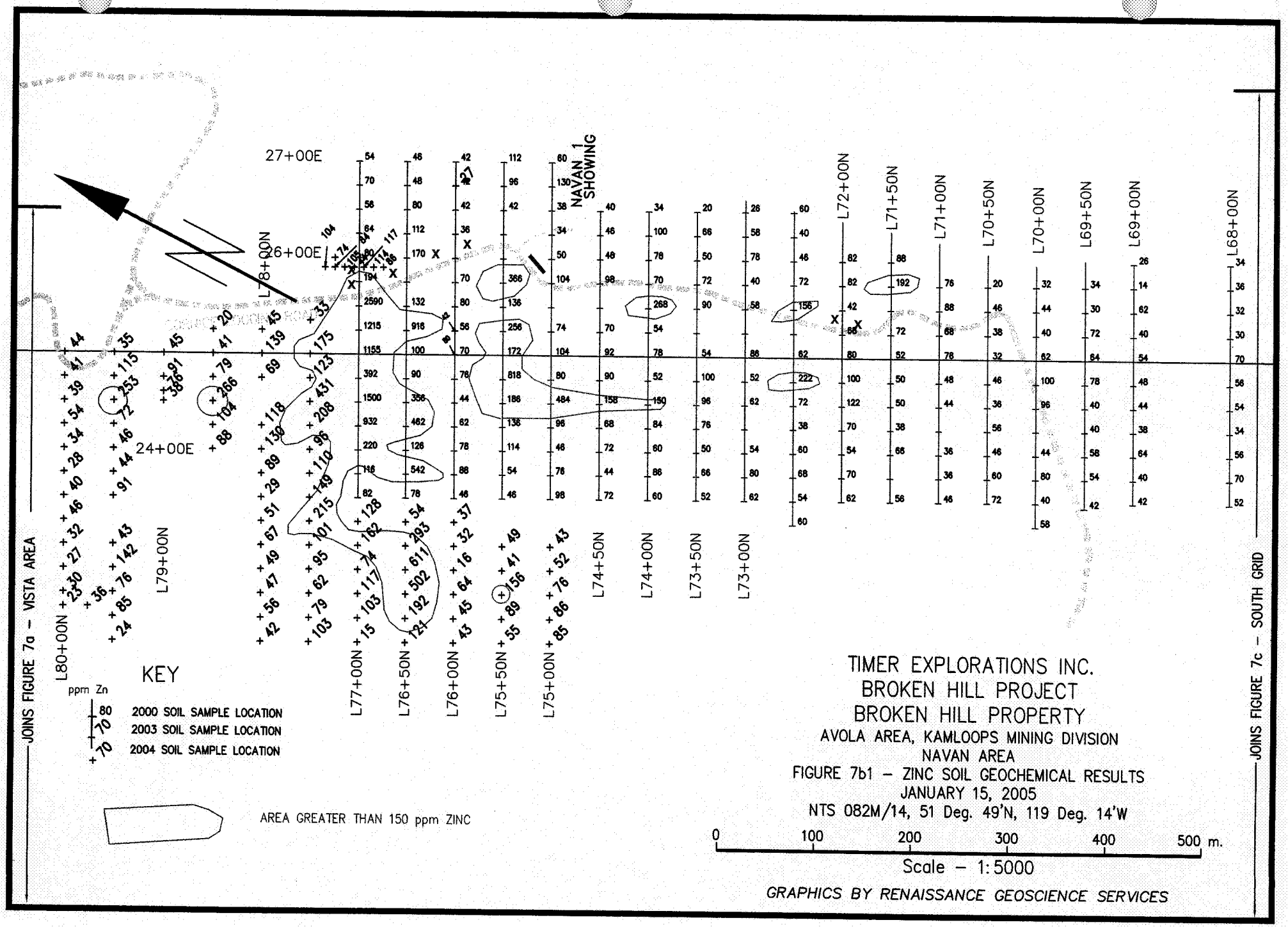
AMPHGN - Melanocratic grey to grey-green fine to medium grained banded amphibole gneiss. Often biotite rich. Trace quartz. (Pautler unit 1)



TIMER EXPLORATIONS INC.
BROKEN HILL PROJECT
BROKEN HILL PROPERTY
AVOLA AREA, KAMLOOPS MINING DIVISION
VISTA AREA
FIGURE 7a1 - ZINC SOIL GEOCHEMICAL RESULTS
JANUARY 15, 2005
NTS 082M/14, 51 Deg. 49'N, 119 Deg. 14'W

GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES


TL89+00N
BL25+00E
BL22+00E
BL21+00E
L93+00N
L92+00N
L91+00N
L90+00N
L89+50N
L88+50N
L88+00N
L87+50N
L87+00N
L86+50N
L86+00N
L85+50N
L85+00N
L84+00N
L83+00N
L82+00N
L81+00N
SHOWING
VISTA
20+00E
19+00E
JOINS FIGURE 7b – NAVAN AREA
KEY
ppm lead
2000 SOIL SAMPLE LOCATION
2003 SOIL SAMPLE LOCATION
2004 SOIL SAMPLE LOCATION
AREA GREATER THAN 40ppm LEAD
TIMER EXPLORATIONS INC.
BROKEN HILL PROJECT
BROKEN HILL PROPERTY
AVOLA AREA, KAMLOOPS MINING DIVISION
VISTA AREA
FIGURE 7a2 – LEAD SOIL GEOCHEMISTRY
JANUARY 15, 2005
NTS 082M/14, 51 Deg. 49'N, 119 Deg. 14'W
0
100
200
300
400
500 m.
Scale – 1:5000
GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES


27+00E
26+00E
24+00E
L78+00N
L80+00N
L79+00N
L77+00N
L76+50N
L76+00N
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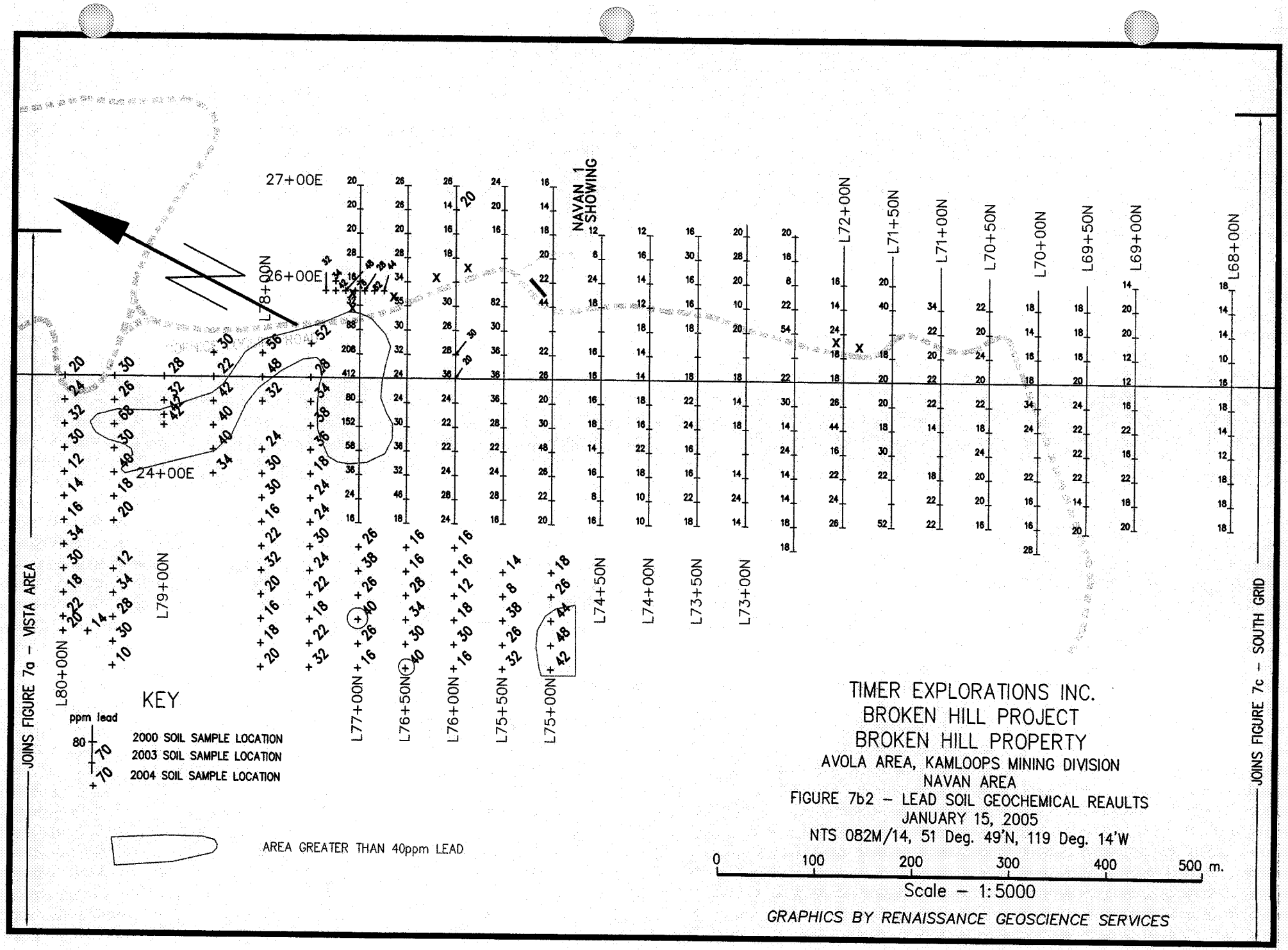
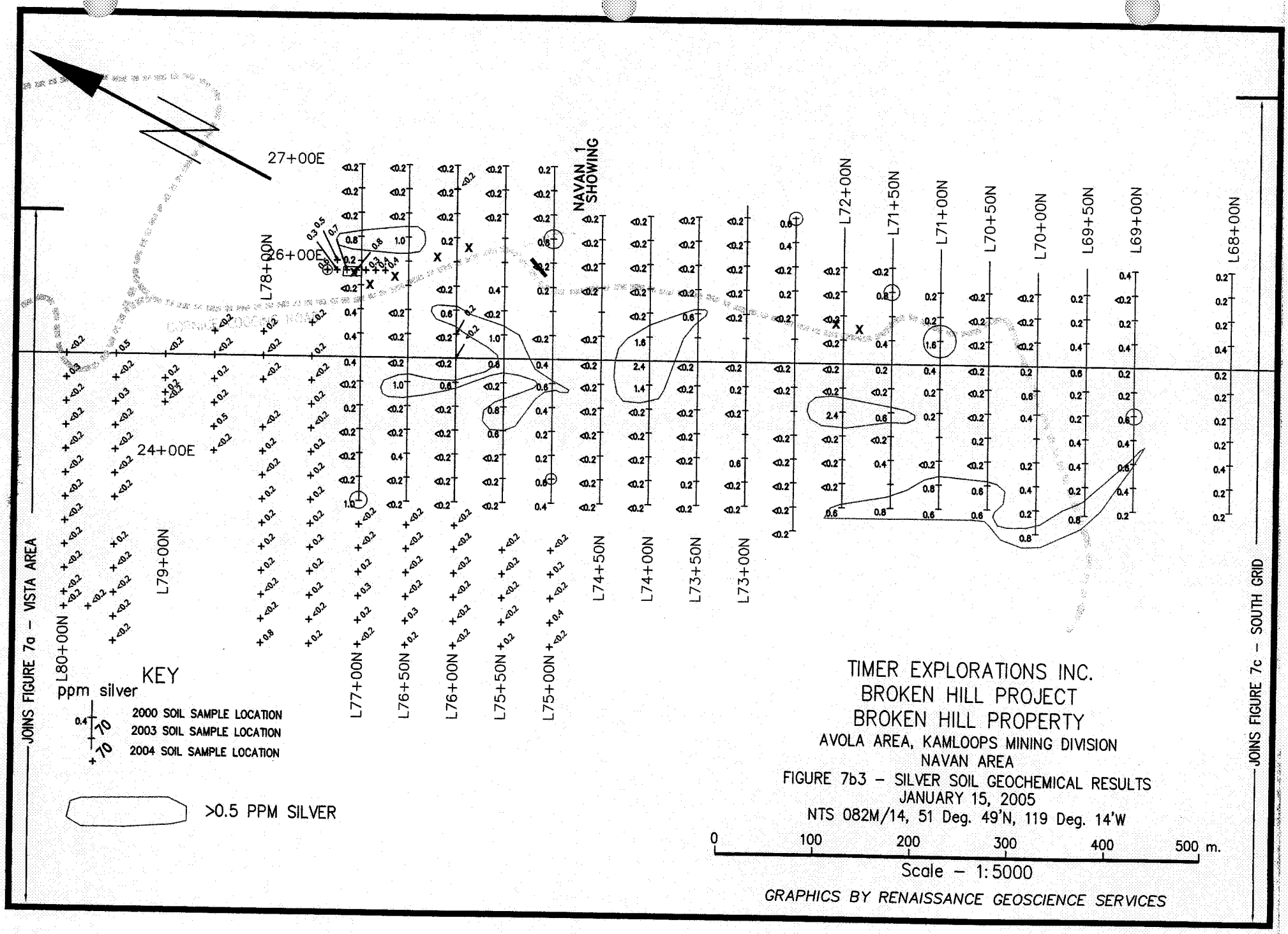
L75+00N
L74+50N
L74+00N
L73+50N
L73+00N
L72+00N
L71+50N
L71+00N
L70+50N
L70+00N
L69+50N
L69+00N
L68+00N
NAVAN 1 SHOWING
JOINS FIGURE 7a - VISTA AREA
JOINS FIGURE 7c - SOUTH GRID
KEY
ppm Zn
2000 SOIL SAMPLE LOCATION
2003 SOIL SAMPLE LOCATION
2004 SOIL SAMPLE LOCATION
AREA GREATER THAN 150 ppm ZINC
TIMER EXPLORATIONS INC.
BROKEN HILL PROJECT
BROKEN HILL PROPERTY
AVOLA AREA, KAMLOOPS MINING DIVISION
NAVAN AREA
FIGURE 7b1 - ZINC SOIL GEOCHEMICAL RESULTS
JANUARY 15, 2005
NTS 082M/14, 51 Deg. 49'N, 119 Deg. 14'W
0 100 200 300 400 500 m.
Scale - 1:5000
GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES


27+00E
26+00E
24+00E
L78+00N
L80+00N
L79+00N
L77+00N
L76+50N
L76+00N
L75+50N
L75+00N
L74+50N
L74+00N
L73+50N
L73+00N
L72+00N
L71+50N
L71+00N
L70+50N
L70+00N
L69+50N
L69+00N
L68+00N
NAVAN 1 SHOWING
JOINS FIGURE 7a – VISTA AREA
JOINS FIGURE 7c – SOUTH GRID
KEY
ppm lead
80
70
70
2000 SOIL SAMPLE LOCATION
2003 SOIL SAMPLE LOCATION
2004 SOIL SAMPLE LOCATION
AREA GREATER THAN 40ppm LEAD
TIMER EXPLORATIONS INC.
BROKEN HILL PROJECT
BROKEN HILL PROPERTY
AVOLA AREA, KAMLOOPS MINING DIVISION
NAVAN AREA
FIGURE 7b2 – LEAD SOIL GEOCHEMICAL REAULTS
JANUARY 15, 2005
NTS 082M/14, 51 Deg. 49'N, 119 Deg. 14'W
0
100
200
300
400
500 m.
Scale – 1:5000
GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES


27+00E
26+00E
24+00E
L78+00N
L79+00N
L80+00N
L77+00N
L76+50N
L76+00N
L75+50N
L75+00N
L74+50N
L74+00N
L73+50N
L73+00N
L72+00N
L71+50N
L71+00N
L70+50N
L70+00N
L69+50N
L69+00N
L68+00N
NAVAN 1 SHOWING
JOINS FIGURE 7a - VISTA AREA
JOINS FIGURE 7c - SOUTH GRID
KEY
ppm silver
2000 SOIL SAMPLE LOCATION
2003 SOIL SAMPLE LOCATION
2004 SOIL SAMPLE LOCATION
>0.5 PPM SILVER
TIMER EXPLORATIONS INC.
BROKEN HILL PROJECT
BROKEN HILL PROPERTY
AVOLA AREA, KAMLOOPS MINING DIVISION
NAVAN AREA
FIGURE 7b3 - SILVER SOIL GEOCHEMICAL RESULTS
JANUARY 15, 2005
NTS 082M/14, 51 Deg. 49'N, 119 Deg. 14'W
0 100 200 300 400 500 m.
Scale - 1:5000
GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES

JOINS FIGURE 7b – NAVAN AREA

L66+00N: 60, 54, 46, 40, 30, 70, 40

L64+00N: 130, 88, 114, 36, 42, 38, 40

L62+00N: 60, 54, 46, 40, 30, 70, 40

L60+00N: 32, 34, 38, 42, 28, 76, 50, 70, 36

L58+00N: 34, 74, 96, 64, 104, 70, 48

L56+00N: 42, 44, 46, 48, 46, 38, 60, 118, 66, 54, 70, 40, 46, 52, 32

L54+00N: 46, 60, 56, 72, 104, 62, 26, 78, 38, 30, 42, 66, 26, 32, 42, 24, 80

L52+00N: 46, 36, 46

L48+00N: 52, 54, 64, 52, 62, 46, 68, 60, 76, 66, 50, 52, 30, 28

TL45+00N: 32, 26, 26, 36, 20, 28, 26, 36, 42, 26, 52, 48, 26, 40, 46, 46, 98, 221, 186, 155, 17, 65, 22, 43, 35

BL25+00E

24+00E

23+00E

22+00E

21+00E

20+00E

19+00E

18+00E

17+00E

16+00E

DENIS SHOWING

KEY

ppm ZINC

80 2000 SOIL SAMPLE LOCATION

70 2003 SOIL SAMPLE LOCATION

+70 2004 SOIL SAMPLE LOCATION

AREA GREATER THAN 150 ppm ZINC

+45

+47

TIMER EXPLORATIONS INC.
BROKEN HILL PROJECT
BROKEN HILL PROPERTY
AVOLA AREA, KAMLOOPS MINING DIVISION
SOUTH GRID
FIGURE 7c1 – ZINC SOIL GEOCHEMICAL RESULTS
JANUARY 15, 2005
NTS 082M/14, 51 Deg. 49'N, 119 Deg. 14'W

0 100 200 300 400 500 m.

Scale – 1:6000

GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES

JOINS FIGURE 7d – MIKE AREA

15+00E+16 +9 +7 +11 +19 +10 +7 +24 +35 +56 +11 +15 +11 +68 +21 +8 +14 +23 +43 +16 +8

JOINS FIGURE 7b – NAVAN AREA

L66+00N L64+00N L62+00N L60+00N L58+00N L56+00N L54+00N L52+00N L48+00N TL45+00N

BL25+00E

24+00E

23+00E

22+00E

21+00E

20+00E

19+00E

18+00E

17+00E

16+00E

DENIS SHOWING

ppm lead KEY

2000 SOIL SAMPLE LOCATION

2003 SOIL SAMPLE LOCATION

2004 SOIL SAMPLE LOCATION

AREA GREATER THAN 40ppm LEAD

TIMER EXPLORATIONS INC.
BROKEN HILL PROJECT
BROKEN HILL PROPERTY

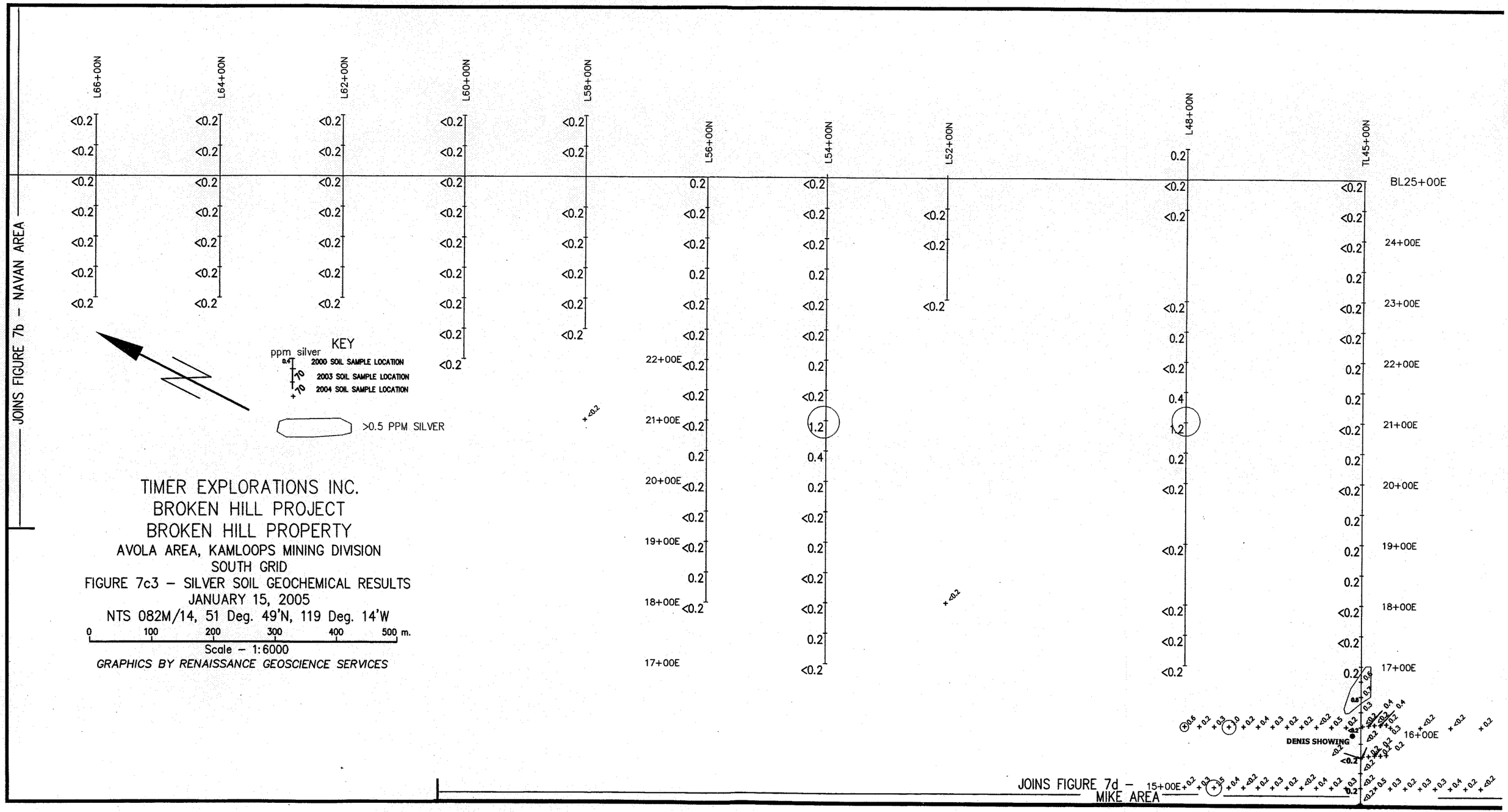
AVOLA AREA, KAMLOOPS MINING DIVISION
SOUTH GRID
FIGURE 7c2 – LEAD SOIL GEOCHEMICAL RESULTS
JANUARY 15, 2005
NTS 082M/14, 51 Deg. 49'N, 119 Deg. 14'W

0 100 200 300 400 500 m.

Scale – 1:6000

GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES

JOINS FIGURE 7d – MIKE AREA



TIMER EXPLORATIONS INC.
BROKEN HILL PROJECT
BROKEN HILL PROPERTY
AVOLA AREA, KAMLOOPS MINING DIVISION
SOUTH GRID
FIGURE 7c3 – SILVER SOIL GEOCHEMICAL RESULTS
JANUARY 15, 2005
NTS 082M/14, 51 Deg. 49'N, 119 Deg. 14'W

0 100 200 300 400 500 m.
Scale – 1:6000

GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES

JOINS FIGURE 7c – SOUTH GRID

KEY

ppm ZINC

12 | 23 2003 SOIL SAMPLE

2000 SOIL SAMPLE | 2004 SOIL SAMPLE

+ 20

ZINC CONTOURED AT 60, 120, 240, 480 PPM

X SPHALERITE MINERALIZED FLOAT

L65+00N L64+00N L63+00N L62+00N L61+00N L60+00N L59+00N L58+00N L58+00N L57+00N L57+00N L56+00N L56+00N L55+50N L55+00N L54+50N L54+00N L53+50N L53+00N L52+50N L52+00N L51+50N L51+00N L50+50N L50+00N L49+50N L49+00N L48+50N L48+00N L47+50N L47+00N L46+50N L46+00N L45+50N L44+50N L44+00N L43+50N L43+00N L42+50N L42+00N L41+50N L41+00N

BL10+00E END

PORTION OF BASELINE OFF MAP

BL10+00E

BL14+23E

14+00E 13+00E 12+00E 11+00E 10+00E 9+00E 8+00E 7+00E 6+00E 5+00E

SHANNON CREEK

SHANNON CREEK ROAD

CLAIM BOUNDARY

CLAIM BOUNDARY

CLAIM BOUNDARY

TIMER EXPLORATIONS INC.
BROKEN HILL PROJECT
BROKEN HILL PROPERTY
AVOLA AREA, KAMLOOPS MINING DIVISION
MIKE AREA
FIGURE 7d1– ZINC SOIL GEOCHEMICAL RESULTS
JANUARY 15, 2005
NTS 082M/14, 51 Deg. 49'N, 119 Deg. 14'W

0 100 200 300 400 500 m.

Scale – 1:5000

GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES

JOINS FIGURE 7c – SOUTH GRID

KEY

ppm LEAD

12 2000 SOIL SAMPLE

23 2003 SOIL SAMPLE

+20 2004 SOIL SAMPLE

LEAD CONTOURED AT 40, 80, 160, 320 PPM

X SPHALERITE MINERALIZED FLOAT

BL10+00E END

PORTION OF BASELINE OFF MAP

BL10+00E

BL14+25E

14+00E

13+00E

12+00E

11+00E

10+00E

9+00E

8+00E

7+00E

6+00E

5+00E

65+00N 64+00N 63+00N 62+00N 61+00N 60+00N 59+00N 58+50N 58+00N 57+50N 57+00N 56+50N 56+00N 55+50N 55+00N 54+50N 54+00N 53+50N 53+00N 52+50N 52+00N 51+50N 51+00N 50+50N 50+00N 49+50N 49+00N 48+50N 48+00N 47+50N 47+00N 46+50N 46+00N 45+50N 44+50N 44+00N 43+50N 43+00N 42+50N 42+00N 41+50N 41+00N

SHANNON CREEK

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CLAIM BOUNDARY

TIMER EXPLORATIONS INC.
BROKEN HILL PROJECT
BROKEN HILL PROPERTY
AVOLA AREA, KAMLOOPS MINING DIVISION
MIKE AREA
FIGURE 7d2– LEAD GEOCHEMICAL RESULTS
JANUARY 15, 2005
NTS 082M/14, 51 Deg. 49'N, 119 Deg. 14'W

0 100 200 300 400 500 m.

Scale – 1:5000

GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES

JOINS FIGURE 7c – SOUTH GRID

KEY
ppm SILVER
2000 SOIL SAMPLE 12 / + 20
13 2003 SOIL SAMPLE
2004 SOIL SAMPLE

SILVER CONTOURED AT 0.5, 1.0 AND 2.0 PPM

X SPHALERITE MINERALIZED FLOAT

L56+00N L55+50N L55+00N L54+50N L54+00N L53+50N L53+00N L52+50N L52+00N L51+50N L51+00N L50+50N L50+00N L49+50N L49+00N L48+50N L48+00N L47+50N L47+00N L46+50N L46+00N L45+50N L44+50N L44+00N L43+50N L43+00N L42+50N L42+00N L41+50N L41+00N

65+00N 64+00N 63+00N 62+00N 61+00N 60+00N L59+00N L58+00N L57+50N L57+00N L56+50N

BL10+00E END

PORTION OF BASELINE OFF MAP

BL10+00E

BL13+25E

14+00E 13+00E 12+00E 11+00E 10+00E 9+00E 8+00E 7+00E 6+00E 5+00E

SHANNON CREEK

SHANNON CREEK

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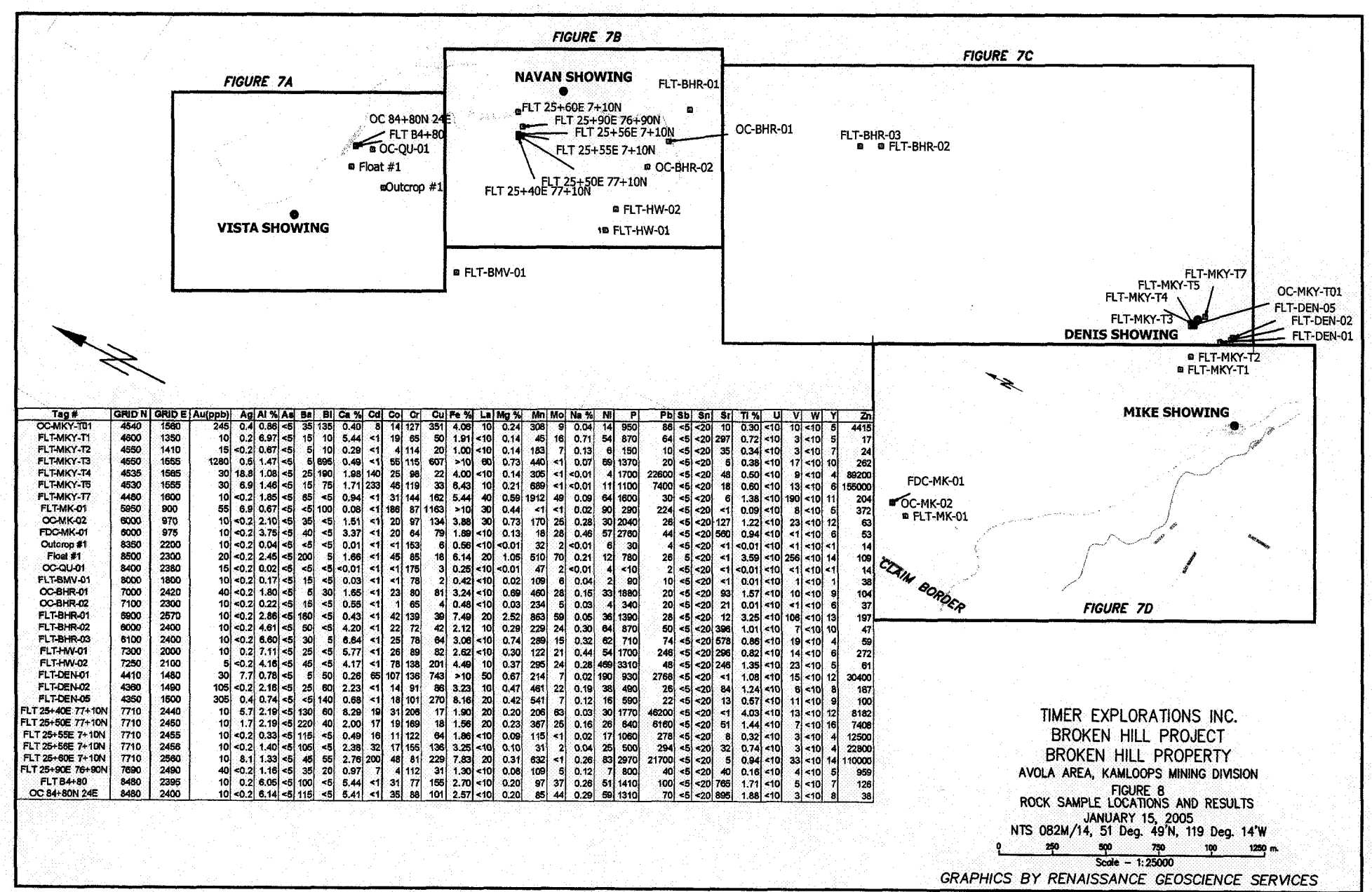
CLAIM BOUNDARY

CLAIM BOUNDARY

TIMER EXPLORATIONS INC.
BROKEN HILL PROJECT
BROKEN HILL PROPERTY
AVOLA AREA, KAMLOOPS MINING DIVISION
MIKE AREA
FIGURE 7d3– SILVER SOIL GEOCHEMICAL RESULTS
JANUARY 15, 2005
NTS 082M/14, 51 Deg. 49'N, 119 Deg. 14'W

0 100 200 300 400 500 m.
Scale – 1:5000

GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES



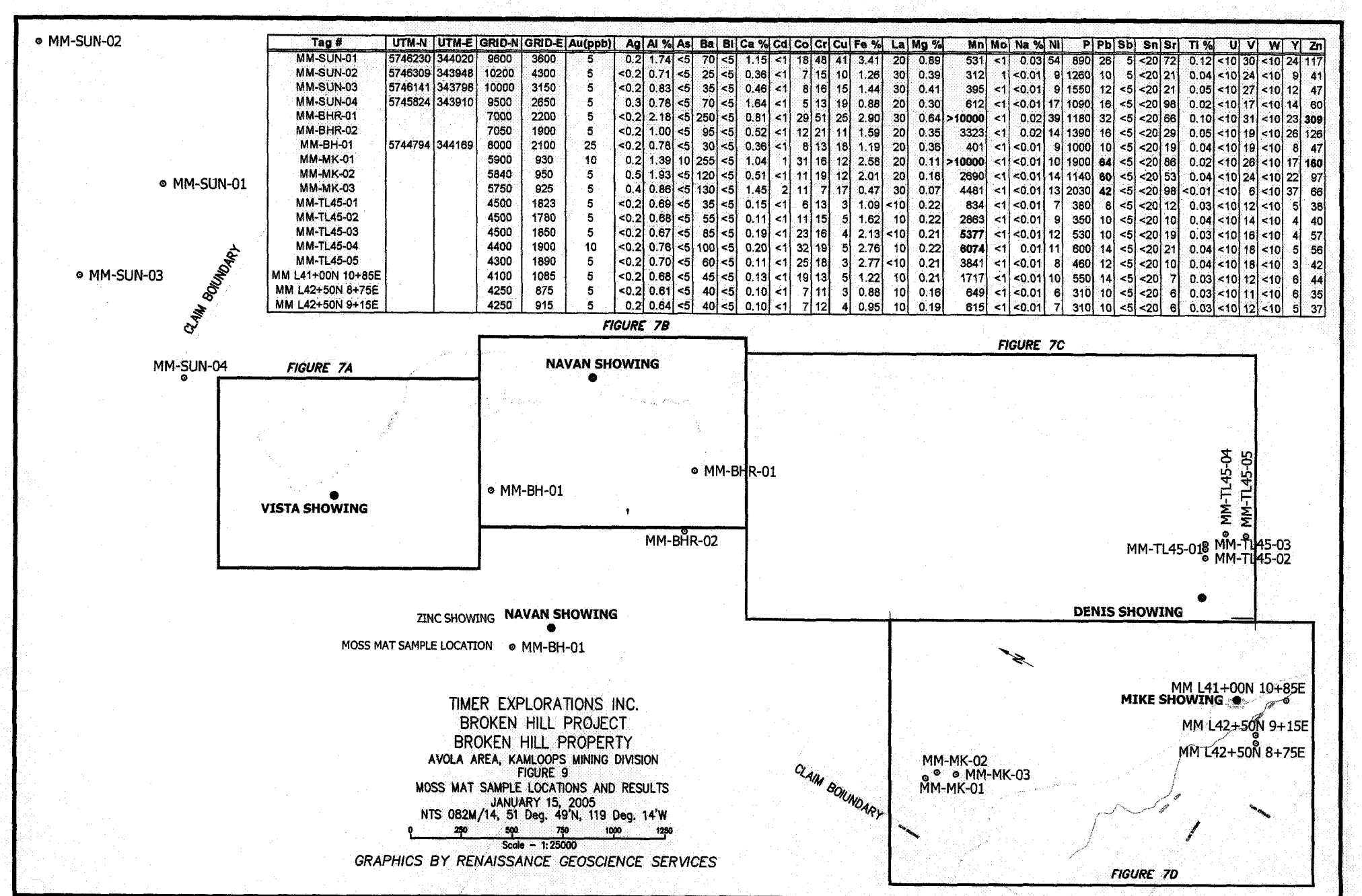
Tag #	GRID N	GRID E	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
OC-MKY-T01	4540	1560	245	0.4	0.86	<5	35	135	0.40	8	14	127	351	4.06	10	0.24	308	9	0.04	14	950	86	<5	<20	10	0.30	<10	10	<10	5	4415
FLT-MKY-T1	4600	1350	10	0.2	6.97	<5	15	10	5.44	<1	19	65	50	1.91	<10	0.14	45	16	0.71	54	870	64	<5	<20	297	0.72	<10	3	<10	5	17
FLT-MKY-T2	4550	1410	15	<0.2	0.67	<5	5	10	0.29	<1	4	114	20	1.00	<10	0.14	183	7	0.13	6	150	10	<5	<20	35	0.34	<10	3	<10	7	24
FLT-MKY-T3	4550	1555	1280	0.6	1.47	<5	5	695	0.49	<1	55	115	607	>10	60	0.73	440	<1	0.07	59	1370	20	<5	<20	5	0.38	<10	17	<10	10	262
FLT-MKY-T4	4535	1565	30	18.8	1.08	<5	25	190	1.98	140	25	98	22	4.00	<10	0.14	305	<1	<0.01	4	1700	22600	<5	<20	48	0.50	<10	9	<10	4	89200
FLT-MKY-T5	4530	1555	30	6.9	1.46	<5	15	75	1.71	233	46	119	33	6.43	10	0.21	689	<1	<0.01	11	1100	7400	<5	<20	18	0.60	<10	13	<10	6	155000
FLT-MKY-T7	4480	1600	10	<0.2	1.85	<5	65	<5	0.94	<1	31	144	162	5.44	40	0.59	1912	49	0.09	64	1600	30	<5	<20	6	1.38	<10	190	<10	11	204
FLT-MK-01	5950	900	55	6.9	0.67	<5	<5	100	0.08	<1	186	87	1163	>10	30	0.44	<1	<1	0.02	90	290	224	<5	<20	<1	0.09	<10	8	<10	5	372
OC-MK-02	6000	970	10	<0.2	2.10	<5	35	<5	1.51	<1	20	97	134	3.88	30	0.73	170	25	0.28	30	2040	26	<5	<20	127	1.22	<10	23	<10	12	63
FDC-MK-01	6000	975	10	<0.2	3.75	<5	40	<5	3.37	<1	20	64	79	1.89	<10	0.13	18	28	0.46	57	2760	44	<5	<20	560	0.94	<10	<1	<10	6	53
Outcrop #1	8350	2200	10	<0.2	0.04	<5	<5	<5	0.01	<1	<1	153	6	0.56	<10	<0.01	32	2	<0.01	6	30	4	<5	<20	<1	<0.01	<10	<1	<10	<1	14
Float #1	8500	2300	20	<0.2	2.45	<5	200	5	1.66	<1	45	85	18	6.14	20	1.05	510	70	0.21	12	780	26	5	<20	<1	3.59	<10	256	<10	14	109
OC-QU-01	8400	2380	15	<0.2	0.02	<5	<5	<5	<0.01	<1	<1	175	3	0.25	<10	<0.01	47	2	<0.01	4	<10	2	<5	<20	<1	<0.01	<10	<1	<10	<1	14
FLT-BMV-01	8000	1800	10	<0.2	0.17	<5	15	<5	0.03	<1	<1	78	2	0.42	<10	0.02	109	6	0.04	2	90	10	<5	<20	<1	0.01	<10	1	<10	1	38
OC-BHR-01	7000	2420	40	<0.2	1.80	<5	5	30	1.65	<1	23	80	81	3.24	<10	0.69	460	28	0.15	33	1880	20	<5	<20	93	1.57	<10	10	<10	9	104
OC-BHR-02	7100	2300	10	<0.2	0.22	<5	15	<5	0.55	<1	1	65	4	0.48	<10	0.03	234	5	0.03	4	340	20	<5	<20	21	0.01	<10	<1	<10	6	37
FLT-BHR-01	6900	2570	10	<0.2	2.86	<5	160	<5	0.43	<1	42	139	39	7.49	20	2.52	863	59	0.05	36	1390	28	<5	<20	12	3.25	<10	106	<10	13	197
FLT-BHR-02	6000	2400	10	<0.2	4.61	<5	50	<5	4.20	<1	22	72	42	2.12	10	0.29	229	24	0.30	64	870	50	<5	<20	398	1.01	<10	7	<10	10	47
FLT-BHR-03	6100	2400	10	<0.2	6.60	<5	30	5	6.64	<1	25	78	64	3.06	<10	0.74	289	15	0.32	62	710	74	<5	<20	578	0.86	<10	19	<10	4	59
FLT-HW-01	7300	2000	10	0.2	7.11	<5	25	<5	5.77	<1	26	89	82	2.62	<10	0.30	122	21	0.44	54	1700	246	<5	<20	296	0.82	<10	14	<10	6	272
FLT-HW-02	7250	2100	5	<0.2	4.16	<5	45	<5	4.17	<1	78	138	201	4.49	10	0.37	295	24	0.28	469	3310	48	<5	<20	246	1.35	<10	23	<10	5	61
FLT-DEN-01	4410	1480	30	7.7	0.78	<5	5	50	0.26	65	107	136	743	>10	50	0.67	214	7	0.02	190	930	2768	<5	<20	<1	1.08	<10	15	<10	12	30400
FLT-DEN-02	4360	1490	105	<0.2	2.16	<5	25	60	2.23	<1	14	91	86	3.23	10	0.47	461	22	0.19	38	490	26	<5	<20	84	1.24	<10	6	<10	8	187
FLT-DEN-05	4350	1500	305	0.4	0.74	<5	<5	140	0.69	<1	18	101	270	8.16	20	0.42	541	7	0.12	16	590	22	<5	<20	13	0.57	<10	11	<10	9	100
FLT 25+40E 77+10N	7710	2440	10	5.7	2.19	<5	130	60	8.29	19	31	206	17	1.90	20	0.20	206	63	0.03	30	1770	46200	<5	<20	<1	4.03	<10	13	<10	12	8182
FLT 25+50E 77+10N	7710	2450	10	1.7	2.19	<5	220	40	2.00	17	19	169	18	1.56	20	0.23	367	25	0.16	26	640	6160	<5	<20	51	1.44	<10	7	<10	16	7408
FLT 25+55E 7+10N	7710	2455	10	<0.2	0.33	<5	115	<5	0.49	16	11	122	64	1.86	<10	0.09	115	<1	0.02	17	1060	278	<5	<20	8	0.32	<10	3	<10	4	12500
FLT 25+56E 7+10N	7710	2456	10	<0.2	1.40	<5	105	<5	2.38	32	17	155	136	3.25	<10	0.10	31	2	0.04	25	500	294	<5	<20	32	0.74	<10	3	<10	4	22800
FLT 25+60E 7+10N	7710	2560	10	8.1	1.33	<5	45	55	2.76	200	48	81	229	7.83	20	0.31	632	<1	0.26	83	2970	21700	<5	<20	5	0.94	<10	33	<10	14	110000
FLT 25+90E 76+90N	7690	2490	40	<0.2	1.16	<5	35	20	0.97	7	4	112	31	1.30	<10	0.06	109	5	0.12	7	800	40	<5	<20	40	0.16	<10	4	<10	5	959
FLT B4+80	8480	2395	10	0.2	6.05	<5	100	<5	5.44	<1	31	77	155	2.70	<10	0.20	97	37	0.26	51	1410	100	<5	<20	765	1.71	<10	5	<10	7	126
OC 84+80N 24E	8480	2400	10	<0.2	6.14	<5	115	<5	5.41	<1	35	88	101	2.57	<10	0.20	85	44	0.29	59	1310	70	<5	<20	895	1.88	<10	3	<10	8	38

TIMER EXPLORATIONS INC.
BROKEN HILL PROJECT
BROKEN HILL PROPERTY
AVOLA AREA, KAMLOOPS MINING DIVISION
FIGURE 8
ROCK SAMPLE LOCATIONS AND RESULTS
JANUARY 15, 2005
NTS 082M/14, 51 Deg. 49'N, 119 Deg. 14'W

0 250 500 750 1000 1250 m.
Scale – 1:25000

GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES

Tag #	UTM-N	UTM-E	GRID-N	GRID-E	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
MM-SUN-01	5746230	344020	9600	3600	5	0.2	1.74	<5	70	<5	1.15	<1	18	48	41	3.41	20	0.89	531	<1	0.03	54	890	26	5	<20	72	0.12	<10	30	<10	24	117
MM-SUN-02	5746309	343948	10200	4300	5	<0.2	0.71	<5	25	<5	0.36	<1	7	15	10	1.26	30	0.39	312	1	<0.01	9	1260	10	5	<20	21	0.04	<10	24	<10	9	41
MM-SUN-03	5746141	343798	10000	3150	5	<0.2	0.83	<5	35	<5	0.46	<1	8	16	15	1.44	30	0.41	395	<1	<0.01	9	1550	12	<5	<20	21	0.05	<10	27	<10	12	47
MM-SUN-04	5745824	343910	9500	2650	5	0.3	0.78	<5	70	<5	1.64	<1	5	13	19	0.88	20	0.30	612	<1	<0.01	17	1090	16	<5	<20	98	0.02	<10	17	<10	14	60
MM-BHR-01			7000	2200	5	<0.2	2.18	<5	250	<5	0.81	<1	29	51	25	2.90	30	0.64	**>10000**	<1	0.02	39	1180	32	<5	<20	66	0.10	<10	31	<10	23	**309**
MM-BHR-02			7050	1900	5	<0.2	1.00	<5	95	<5	0.52	<1	12	21	11	1.59	20	0.35	3323	<1	0.02	14	1390	16	<5	<20	29	0.05	<10	19	<10	26	126
MM-BH-01	5744794	344169	8000	2100	25	<0.2	0.78	<5	30	<5	0.36	<1	8	13	18	1.19	20	0.36	401	<1	<0.01	9	1000	10	<5	<20	19	0.04	<10	19	<10	8	47
MM-MK-01			5900	930	10	0.2	1.39	10	255	<5	1.04	1	31	16	12	2.58	20	0.11	**>10000**	<1	<0.01	10	1900	**64**	<5	<20	86	0.02	<10	26	<10	17	**160**
MM-MK-02			5840	950	5	0.5	1.93	<5	120	<5	0.51	<1	11	19	12	2.01	20	0.18	2890	<1	<0.01	14	1140	**60**	<5	<20	53	0.04	<10	24	<10	22	97
MM-MK-03			5750	925	5	0.4	0.86	<5	130	<5	1.45	2	11	7	17	0.47	30	0.07	4481	<1	<0.01	13	2030	**42**	<5	<20	98	<0.01	<10	6	<10	37	66
MM-TL45-01			4500	1823	5	<0.2	0.69	<5	35	<5	0.15	<1	6	13	3	1.09	<10	0.22	834	<1	<0.01	7	380	8	<5	<20	12	0.03	<10	12	<10	5	38
MM-TL45-02			4500	1780	5	<0.2	0.68	<5	55	<5	0.11	<1	11	15	5	1.62	10	0.22	2863	<1	<0.01	9	350	10	<5	<20	10	0.04	<10	14	<10	4	40
MM-TL45-03			4500	1850	5	<0.2	0.67	<5	85	<5	0.19	<1	23	16	4	2.13	<10	0.21	**5377**	<1	<0.01	12	530	10	<5	<20	19	0.03	<10	16	<10	4	57
MM-TL45-04			4400	1900	10	<0.2	0.76	<5	100	<5	0.20	<1	32	19	5	2.76	10	0.22	**6074**	<1	0.01	11	600	14	<5	<20	21	0.04	<10	18	<10	5	56
MM-TL45-05			4300	1890	5	<0.2	0.70	<5	60	<5	0.11	<1	25	18	3	2.77	<10	0.21	3841	<1	<0.01	8	460	12	<5	<20	10	0.04	<10	18	<10	3	42
MM L41+00N 10+85E			4100	1085	5	<0.2	0.68	<5	45	<5	0.13	<1	19	13	5	1.22	10	0.21	1717	<1	<0.01	10	550	14	<5	<20	7	0.03	<10	12	<10	6	44
MM L42+50N 8+75E			4250	875	5	<0.2	0.61	<5	40	<5	0.10	<1	7	11	3	0.88	10	0.16	649	<1	<0.01	6	310	10	<5	<20	6	0.03	<10	11	<10	6	35
MM L42+50N 9+15E			4250	915	5	0.2	0.64	<5	40	<5	0.10	<1	7	12	4	0.95	10	0.19	615	<1	<0.01	7	310	10	<5	<20	6	0.03	<10	12	<10	5	37



TIMER EXPLORATIONS INC.
BROKEN HILL PROJECT
BROKEN HILL PROPERTY
AVOLA AREA, KAMLOOPS MINING DIVISION
FIGURE 9
MOSS MAT SAMPLE LOCATIONS AND RESULTS
JANUARY 15, 2005
NTS 082M/14, 51 Deg. 49'N, 119 Deg. 14'W

GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES

Appendix 3
2004 Rock Descriptions

Et #.	Tag #	GRID N	GRID E	DESCRIPTION	Au(ppb)	Ag	Bi	Cd	Cu	Fe %	Pb	Zn
1	OC-MKY-T01	4540	1560	Outcrop. Highly oxidized massive pyrite hosted in very fractured quartz.	245	0.4	135	8	351	4.06	86	4415
2	FLT-MKY-T1	4600	1350	Green skarnified limestone	10	0.2	10	<1	50	1.91	64	17
3	FLT-MKY-T2	4550	1410	Green skarnified limestone	15	<0.2	10	<1	20	1.00	10	24
4	FLT-MKY-T3	4550	1555	Massive pyrite vein 8 cm diameter.	1280	0.5	895	<1	607	>10	20	262
5	FLT-MKY-T4	4535	1565	Subcrop. Rusty quartz-garnet-green limestone with semi massive sphalerite (Denis showing)	30	18.8	190	140	22	4.00	22600	89200
6	FLT-MKY-T5	4530	1555	Denis showing massive sphalerite O/C	30	6.9	75	233	33	6.43	7400	155000
7	FLT-MKY-T7	4480	1600	Rusty weathering siliceous gneiss with semi massive pyrite and pyrrhotite.	10	<0.2	<5	<1	162	5.44	30	204
8	FLT-MK-01	5950	900	Rusty rotted siliceous pyrite till float.	55	6.9	100	<1	1163	>10	224	372
9	OC-MK-02	6000	970	Rusty skarny calc silicate gneiss	10	<0.2	<5	<1	134	3.88	26	63
10	FDC-MK-01	6000	975	Siliceous pyrite gneiss with interbedded biotite gneiss.	10	<0.2	<5	<1	79	1.89	44	53
11	Outcrop #1	8350	2200	Rusty weathering siliceous gneiss zones in pegmatite.	10	<0.2	<5	<1	6	0.56	4	14
12	Float #1	8500	2300	Rusty sulphidic biotite gneiss.	20	<0.2	5	<1	18	6.14	26	109
13	OC-QU-01	8400	2380	Rusty bedded 15 cm quartz vein	15	<0.2	<5	<1	3	0.25	2	14
14	FLT-BMV-01	8000	1800	Siliceous gneiss with sericite schist with possible sphalerite.	10	<0.2	<5	<1	2	0.42	10	38
15	OC-BHR-01	7000	2420	Rusty gneiss with possible laminated sphalerite.	40	<0.2	30	<1	81	3.24	20	104
16	OC-BHR-02	7100	2300	ruasty weathering 10 cm quartz vein.	10	<0.2	<5	<1	4	0.48	20	37
17	FLT-BHR-01	6900	2570	Rusty weathering magic gneiss with pyrite.	10	<0.2	<5	<1	39	7.49	28	197
18	FLT-BHR-02	6000	2400	Rusty weathering pyritic gneiss.	10	<0.2	<5	<1	42	2.12	50	47
19	FLT-BHR-03	6100	2400	Rusty weathering pyritic quartz or chert	10	<0.2	5	<1	64	3.06	74	59
20	FLT-HW-01	7300	2000	Rusty weathering pyritic siliceous gneiss	10	0.2	<5	<1	82	2.62	246	272
21	FLT-HW-02	7250	2100	Rusty weathering pyritic siliceous gneiss	5	<0.2	<5	<1	201	4.49	48	61
22	FLT-DEN-01	4410	1480	Rusty weathering pyritic gneiss with pyrite and pyrrhotite. (south of Denis showing)	30	7.7	50	65	743	>10	2768	30400
23	FLT-DEN-02	4360	1490	Rusty weathering carbonate gneiss with disseminated pyrite and pyrrhotite and possibly sphalerite. (south of Denis showing)	105	<0.2	60	<1	86	3.23	26	167
24	FLT-DEN-05	4350	1500	Semi massive pyrrhotite.	305	0.4	140	<1	270	8.16	22	100
25	FLT 25+40E 77+10N	7710	2440	Cherty gneiss and actinolite skarn with 1 cm thick galena laminations and fracture fillings.	10	5.7	60	19	17	1.90	46200	8182
26	FLT 25+50E 77+10N	7710	2450	Cherty and calc silicate gneiss with disseminated sphalerite and pyrite.	10	1.7	40	17	18	1.56	6160	7408

Et #.	Tag #	GRID N	GRID E	DESCRIPTION	Au(ppb)	Ag	Bi	Cd	Cu	Fe %	Pb	Zn
27	FLT 25+55E 7+10N	7710	2455	Cherty and calc silicate gneiss with 0.75 cm sphalerite laminations and fracture fillings.	10	<0.2	<5	16	64	1.86	278	12500
28	FLT 25+56E 7+10N	7710	2456	Rusty siliceous gneiss with laminated sphalertire and pyrite.	10	<0.2	<5	32	136	3.25	294	22800
29	FLT 25+60E 7+10N	7710	2560	Rusty weathering interlaminated cherty and amphibolitic float. Semi massive to disseminated sphalerite and galena.	10	8.1	55	200	229	7.83	21700	110000
30	FLT 25+90E 76+90N	7690	2490	Cherty and calc silicate gneiss with disseminated pyrite.	40	<0.2	20	7	31	1.30	40	959
31	FLT B4+80	8480	2395	Rusty sulphidic gneissic float	10	0.2	<5	<1	155	2.70	100	126
32	OC 84+80N 24E	8480	2400	Rusty bed in hanging wall of quartz(shert) with disseminated actinolite.	10	<0.2	<5	<1	101	2.57	70	38