# GEOCHEMICAL & GEOPHYSICAL ASSESSMENT REPORT
## On the PIL MINERAL CLAIMS



**Omineca M.D.**
**NTS 94E/7W**

**Lat.57°19'N** **Long.126°57'W**

**July & Sept.1995**

**For Owner/Operator**
**Electrum Resources Corporation**





**Feb.1996**
**Delta, B.C.**

**S. Zastavnikovich,P.Geo.**
**S. Visser, P. Geo.**

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# GEOCHEMICAL ASSESSMENT REPORT
# ON THE PIL MINERAL CLAIMS

## INTRODUCTION & DESCRIPTION

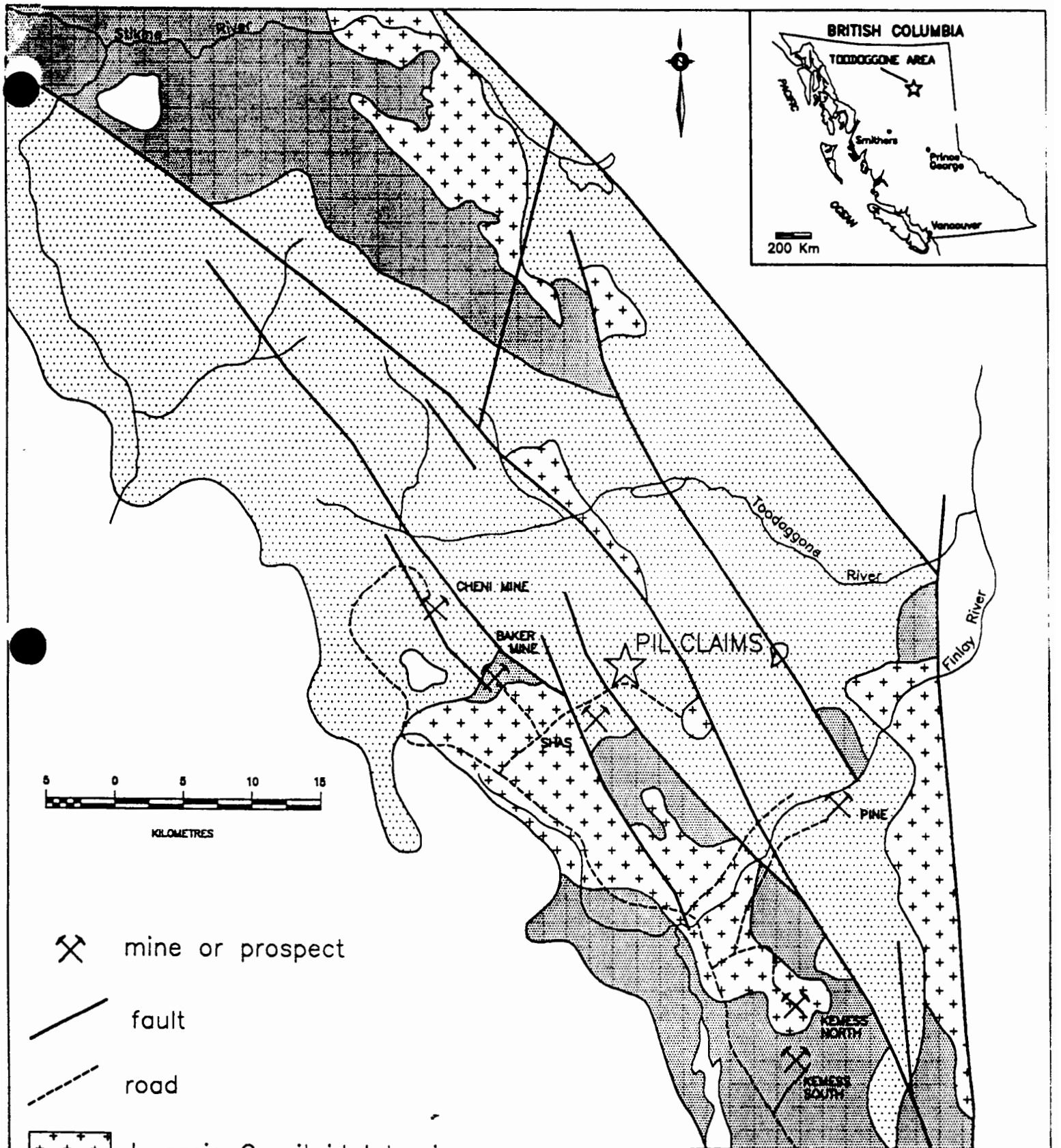
The PIL mineral claims property consists of 258 contiguous units divided into the northern 82-units PIL North Group, the central 93-units PIL Group, and the eastern 83-units PIL East Group of claims. The PIL East Group includes the Pil 1,4,5,12,13 claims with 8,20,15,20,20 units each, the PIL Group includes PIL 2,6,7,9,20,21 claims with 20,12,20,16,9,16 units each, and the PIL North Group contains PIL 10,11,22,23 claims with 18,20,16,18 units each, plus PIL 24-33 claims with one unit each respectively, as listed below. The property is located on Jock Creek, south of Toodoggone River, on map 94E/7W in the Omineca Mining Division, some 280 km due north of Smithers, in north-central British Columbia.

The PIL property is owned by Electrum Resources Corporation. The PIL 20,21,22,23 and PIL 24-33 claims were staked last summer, while the remaining claims were all staked prior to the 1995 year. The present status of the claims is as listed below:

| Claim | Record# | Units | Expiry Date* |
|---|---|---|---|
| Pil 1 | 308127 | 8 | March 14,1998 |
| Pil 2 | 308128 | 20 | March 14,1997 |
| Pil 4 | 316950 | 20 | March 29,1997 |
| Pil 5 | 316951 | 15 | March 29,1997 |
| Pil 6 | 316952 | 12 | March 29,1997 |
| Pil 7 | 316953 | 20 | March 29,1997 |
| Pil 9 | 316955 | 16 | March 29,1997 |
| Pil 10 | 316956 | 18 | March 29,1999 |
| Pil 11 | 316957 | 20 | March 29,1997 |
| Pil 12 | 319649 | 20 | July 21, 1998 |
| Pil 13 | 319650 | 20 | July 21, 1997 |
| Pil 20 | 340215 | 9 | Sept. 16,1997 |
| Pil 21 | 340216 | 16 | Sept. 16,1997 |
| Pil 22 | 340217 | 16 | Sept. 16,1997 |
| Pil 23 | 340218 | 18 | Sept. 17,1997 |
| Pil 24-33 | 340219-28 | 10x1 | Sept. 16,1997 |

*Upon Approval of this Report

Between July 7th and 14th 1995, the writer and geologist C. Soux conducted geochemical soil and rock sampling and geophysical magnetometer survey (as described in the Geophysical Report by S. Visser, Appendix I) on the PIL property in an attempt to trace on the ground the location of the eastern and western contact zones under glacial




**ELECTRUM RESOURCE CORP.**

TOODOGGONE AREA, B.C.

REGIONAL GEOLOGY
AND
LOCATION OF PIL PROPERTY

Fig. 1

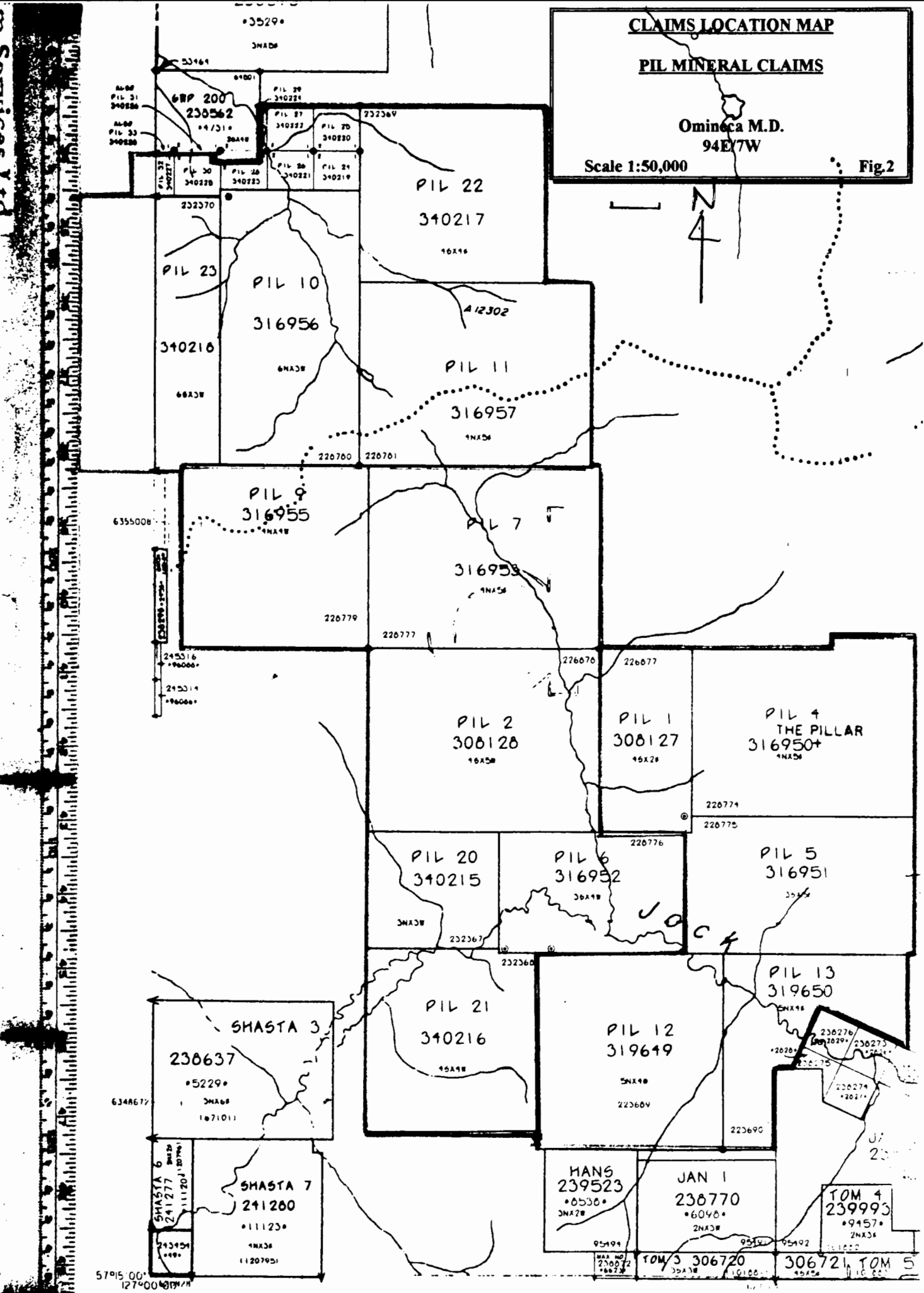
| | |
|---|---|
| Figure One<br>Nov 1992 | STAARGAARD GEOLOGICAL |

# CLAIMS LOCATION MAP

## PIL MINERAL CLAIMS

**Omineca M.D.**
**94E/7W**

**Scale 1:50,000** **Fig.2**



overburden cover of and elongate, NNW trending, multiphase granodiorite to monzonite pluton which centrally traverses the length of the PIL property, Fig.3, in pocket.

Prospecting along the sampling lines was concurrently conducted for float and bedrock samples containing sulfides, alteration, silicification, as described in Appendix III. The analytical results are shown in the Appendix V and on the geochemical map, Fig.4. Additional soil sampling was carried out during September 16-18 by Hobson Contracting Ltd. of Smithers, the results of which are included in this Report.

Access to the PIL claims is by helicopter from Smithers or by 4x4 truck for 15 km along the Shasta property spur road from the Sturdee River airstrip on the Omineca Mining Access road which leads to the precious metals Lawyers deposit of the Cheni Gold Mines Ltd.

## PHYSIOGRAPHY

The PIL property claims are situated on Jock Creek in the Omineca Mountins, straddling a north-northwesterly trending valley which forms the faulted eastern contact of an elongated 1km-wide band of grandiorite to monzonite intrusives, extending from the major east-northeasterly trending Toodogone Fault in the north to just below Jock Creek in the south.

Alpine forest cover is present at the lowest elevations of 1200m. in the Jock Creek valley, but most of the property lies above the tree line, ranging to the 2000m. peaks of the Graves & Pillar Mountains in the north and east, and 1800-1900m. peaks in the southern and western portions of the property. Rapid changes in the depths of the glacial overburden cover reflect the abrupt topographic variations in the underlying bedrock in the property area.

## GEOLOGY

Based on the latest available mapping by BCMEMPR geologists described in Bull. 86, 1993, by L.J. Diakow, A. Panteleyev, and T.G. Schroeter on 'Geology of the Early Jurassic Toodoggone Formation And Gold-Silver Deposits In The Toodoggone River Map Area, Northern British Columbia', the PIL property is underlain by the Metsantan Member of the lower volcanic cycle, and the succeeding Attycelly and Saunders conformable Members of the upper volcanic cycle of the Hazelton Group Toodoggone volcanics, which are intruded by NNW-elongated early Jurassic granodiorite to monzonite plutons and mafic dykes, as shown on the geological map, Fig.3, in pocket.
*Italicized* quoted passages from Bull. 86 which describe the geology of the PIL claims area are shown below in ***bold type*** for emphasis:

*LOWER AND MIDDLE JURASSIC HAZELTON GROUP*

***...The Jurassic succession south of Toodoggon Lake, between Mount Graves and The Pillar, is a west-facing homocline of well-bedded tuffs and conglomeratic rocks intercalated with massive flows. Lava flows, with subordinate tuff intercalations, constitute the base and uppermost parts of the general succession. The flows are mainly maroon porphyritic andesites with plagioclase, hornblende, and augite phenocrysts. Dark green flows are locally transitional into maroon flows or discrete members interlayered with conglomeratic rocks near The Pillar. The green colour is generally accompanied by unoxidized magnetite granules in the matrix. Basalt and rhyolite are present, but uncommon. At one locality vesicles at the top of a basalt flow 2 metres thick, are infilled and overlain by 50 centimetres of fetid grey limestone. Elsewhere, a rhyolite flow about 15 metres thick has columnar joints and quartz and feldspar phenocrysts.***

***Tuff breccia is the dominant rock type within a sequence of well-bedded tuffs 190 metres thick that conformably overlies maroon flow rocks 3 kilometres southeast of Mount Graves. Brown tuffaceous mudstone at the base of the succession grades upward into 4 metres of partly welded lithic-crystal tuff. Conspicuous textural banding at the base of this section is imparted by aligned plagioclase phenocrysts, flattened accessory fragments and graded beds. The overlying, major component of the section is unwelded; it contains subangular and subrounded fragments 2 to 30 centimetres in diameter set in a light green matrix of ash and crystal fragments. Fragments are mainly pink and maroon porphyritic andesite resembling the underlying flows, and a few fine-grained feldspar-phyric basalts.***

***The tuffs thin southward, and 3 kimometres to the south they are subordinate members within a sequence of interlayered volcanic conglometate, sandstone and mudstone. Conglometate is widespread with subrounded and rounded porphyritic andesite clasts, generally less than 15 centimetres but locally up to 40 centimetres in diameter, supported by a pink, laumontite-rich matrix. Sandstone beds derived by reworking of older volcanic rocks are grey-green. Tuffaceous mudstones in shades of maroon locally contain round accretionary lapilli less than 1 centimetre in diameter. The mudstone is interlayered with sandstone in graded and crosslaminated beds averaging 0.5 to 1 metre in thickness. Limestone occurs as isolated lenses 0.5 metre thick that are interlayered with marl and green tuffaceous sandstone. These grey, thinly laminated carbonate beds are overlain by porphyritic flows...***

***Dikes of dark green, fine-grained porphyritic basalt, that are seldom more than 2 metres wide, intrude all rock types. In turn these are crosscut by porphyritic andesite dikes which weather to hues of pink or red and vary from 4 metres to more than 15 metres wide. These dikes form an en echelon pattern striking at 125° to 145°, a trend that is consistent with regional northwest faults. Individual dikes are continuous for more than 800 metres along strike; contacts are sharp with little contact metamorphism.***

***Mafic dikes have tabular plagioclase crystals with incipient calcite-quartz-albite alteration. The matrix contains a large proportion of chlorite mixed with quartz, and granules of magnetite between randomly oriented plagioclase microlites. Porphyritic dikes of intermediate composition have sausseritized plagioclase laths up to 3 millimetres long. Locally, amphibole phenocrysts ranging from 0.5 to 1 millimetre long have pervasive chlorite and epidote alteration of crystal cores and magnetite rims. Biotite occurs as sparse flakes less than 1mm. in diameter; it is replaced by chlorite and, in places, rods of rutile. (p.7-8) ....***

*The Toodoggone Formation is estimated to be more than 2200 metres thick, and consists dominantly of interstratified red and maroon flow and pyroclastic rocks. They are broadly divided into lower and upper volcanic cycles that are further subdivided into six members (Figure 6). These members are established on the basis of rock type, mineral assemblage, texture and field relationships. The Saunders, Metsantan and Adoogacho members are named for readily recognizable, areally extensive successions of ash-flow tuffs and lava flows. In contrast, the Attycelley, McClair and Moyez members are mainly intercalated pyroclastic and epiclastic rocks that are mappable on a local scale but vary markedly in thickness.(p.11)..*

***Metsantan Member***

*The Metsantan Member is mostly latite lava flows with interflow lahar, and mixed epiclastic and pyroclastic rocks. It has no type section, but is named for more than 600 metres of flows, interspersed layers of tuff, and epiclastic rocks between Metsantant Mountain and Tuff Peak. the ridges and discontinuously in the valleys from upper Moosehorn Creek in the north, to the Finlay River in the south...*

*...The latite lava flows characteristically form resistant outcrops that weather in hues of green and purple. They have a porphyritic texture, with 20 and 30 volume per cent phenocrysts, dominated by plagioclase, and subordinate mafic minerals (Plate 5A). Orthoclase megacrysts and quartz are uncommon but diagnostic phenocrysts within the flows. Plagioclase, $An_{24-38}$, is typically light pink and orange subhedral solitary crystals averaging 2 or 3 millimetres long; they commonly occur in glomerophyric clusters up to 6 millimetres in diameter. Sparse, pink vitreous orthoclase phenocrysts average 1 centimetre, but may be 3 centimetres long (Plate 5B). Dark green augite and less abundant hornblende prisms average 3 millimetres long, and are between 3 and 5 volume per cent. Biotite plates less than 1.5 millimetres in diameter average about 1 volume per cent. Quartz is scare in the flows, rarely more than one or two visible grains in a hand specimen. They are generally partly resorbed and vary from 0.5 to 1.0 millimetre in diameter. Red apatite prisms up to 2 millimetres long are ubiquitous in trace amounts in flows. Rare zircon is found as stout grains or inclusions within plagioclase and apatite phenocrysts.*

*The groundmass of lava flows in plagioclase microlites arranged in a pilotaxitic texture, with anhedral aggregates of chlorite, quartz and carbonate between plagioclases. Dispersed opaque granules and blebs account for up to 3 volume per cent of the rock.*

*The rocks have a dull green or mauve-coloured matrix enveloping feldspar and mafic phenoncrysts. Turbid plagioclase is incipiently occupied by varying proportions of sericite, illite,laumontite and heulandite. As well, epidote, piedmontite, calcite and chlorite partly pseudomorph plagioclase and pyroxene minerals and the groundmass. These secondary minerals are commonly accompanied by granular magnetite and cloudy patches or sphene pseudomorphous after biotite and amphibole phenocrysts. (p.17) ...*

***Attycelley Member***

*The Attycelley Member is a heterogeneous mixture of green, grey and mauve lapilli-ash tuff, subordinate lapilli-block tuff, a few interspersed ash flows and lava flows, and interbedded epiclastic rocks and rare lenses of limestone. The volcanic rocks are similar in texture and mineral constituents to pyroclastic rocks of the Adoogacho Member. Rocks of the Attycelley Member are only distinguishable from the Adoogacho Member by stratigraphic position relative to distinctive bounding strata of the overlying Saunders Member and the underlying Metsantan Member...*

***The Attycelley Member unconformably overlies the Upper Triassic Takla Group northeast of Drybrough Peak. The upper contact is inferred by a change in the general resistance of outcrops fron recessive, generally crumbly and platy weathering rocks in the Attycelley Member to resistant, blocky weathering cliffs in the Saunders Member. Between the Finlay and Toodoggone rivers, fault-bound blocks underlain by the Attycelley Member are commonly juxtaposed with rocks of theMetsantan Member...***

***...Except in the area between Drybrough Peak and immediately north of Jock Creek, lava flows are uncommon in the Attycelley Member. They are generally grey-green massive layers of undetermined thickness, interlayered with tuffs. They have up to 40 volume per cent plagioclase phenocrysts which impart a crowded seriate texture, and several volume per cent quartz phenocrysts. (p.19) ...***

***Saunders Member***

*The Saunders Member comprises the stratigraphically youngest rocks of the Toodoggone formation, and is composed almost exclusively of partly welded, crystal-rich dacitic ash-flow tuffs which typically form cliffs that weather to angular talus blocks (Plate 7A). In the type area, bounded to the east by the west tributary of Saunders Creek and an unnamed southeast-trending tributary of Jock Creek, a succession of compositionally and texturally homogeneous ash-flow tuffs more than 300 metres in elevation. These strata gradually thin westward to an erosional edge 8 kilometres away...*

*...The lower contact of the Saunders Member appears to be conformable with the Attycelley Member. However, the contact is erosional with lava flows of the Takla Group about 1.5 kilometres northwest of Castle Mountain, where conglomerate interstratified with tuffites forms the base of the Saunders Member. The basal conglomerate, which is about 15 metres thick, has subrounded clasts up to 20 centimetres in diameter supported by apyritic green matrix with scarce quartz phenocrysts. The Provenance of clasts is mainly from lava flows of the Takla Group. The tuffaceous interbeds are reworked lapilli-ash tuffs in unsorted to graded beds between 4 and 10 centimetres thick. Rare accretionary lapilli locally form discontinuous layers several centimetres thick. The upper contact of the Saunders Member is with fine-grained sandstone aned pebble conglomerate found locally west of Pau Creek. These discontinuous beds have abundant quartz grit and lithic detritus which is though to be eroded from ash-flows of the Saunders Member. Similar sandstone deposits are also reported by Marsden (1990; map unit 11c) north of Jock Creek at Mount Todd, where they apparently are conformable with, and contain rock and crystal fragments derived from pyroclastic flows of the Saunders Member.*

*Ash-flow tuff that characterizes the Saunders Member is typically grey green with large proportion of broken crystal and nonvesiculated juvenile fragments with porphyritic texture (Plates 7B,C). These rocks have subtle variations in texture and relative mineral abundance; they resemble a homogeneous, weak to moderately welded, single cooling unit in cliff sections as much as 300 metres thick. Compressed cognate fragments, rounded find-grained inclusions, and scattered accidental ganitic fragments are diagnostic features. (p.21) ...*

***INTRUSIVE ROCKS***

*Volcanic strata of the Toodoggone Formation are spatially associated with stocks and subvolcanic porphyritic plutons, and cut by a variety of dikes. The largest and most significant plutons are barely unroofed stocks that have low relief in the west and central study area...*

***Stocks***

*The Black Lake stock is a pink granodiorite and quartz monzonite of coarse to medium-grained, hypidiomorphic-granular plagioclase, orthoclase, quartz, hornblende and biotite. Accessory minerals include apatite, zircon and magnetite. Partly chloritized brown biotite and green hornblende locally define a weak foliation near pluton margin.*

*Similar plutons crop out near spruce Hill, east of Saunders Creek and north to McClair Creek, and between Attycelley and Kemess creeks. They are commonly cut or associated with nearby pink porphyritic andesite dikes...*

***Subvolcanic Porphyritic Plutons***

*Subvolcanic porphyritic plutons similar in composition and mineral constitutents to latite-dacite volcanic rocks of the Toodoggone Formation occur near the headwaters of Adoogacho Deedeeya creeks in the north, immediately adjacent to Kemess Creek in the south, and at Jock Creek...*

*At Jock Creek, a dacitic flow-dome, characterized by phenocrysts of quartz, biotite, hornblende, and rare granitoid xenoliths, isreported to host precious metals at the Shasta property (Marsden, 1990). Epiclastic rocks, coarse breccia and variably welded pyroclastic flow and air-fall tuffs of the Attycelley member comprise a crudely bedded apron on the periphery of this dome.*

***Dikes And Sills***

*North and northwest-trending dikes and few sills cut strata of the Toodoggone Formation. Although most dikes are widely spaced, solitary bodies,, they form en echelon swarms in the general vicinity of the headwaters of McClair Creek to The Pillar. Individual dikes are traceable intermittently along strike for distances exceeding 1000 metres; some are of sufficient size to be portrayed on Map 1. The contacts are typically sharp and steeply dipping with almost no alteration minerals. Andesite dikes predominate, basalt is less common, and dacite to rhyolite dikes are rare. (p.31-34) ...*

***STRUCTURAL FEATURES***

*Rocks of the Toodoggone formation are disrupted by numerous steeply dipping normal faults, and a few strike-slip and thrust faults that juxtapose successions of differing stratigraphic level. Composite layered sections of the Toodoggone Formation are undeformed, shallow-dipping beds which locally define gentle flexures. In contrast, younger and older volcanic and sedimentary rocks are locally folded...*

***Major Faults***

*The dominant structures are steeply dipping faults which define a prominent northwest-trending regional structural fabric. In turn, high-angle northeast-trending faults appear to truncate and displace northwest-trending faults. Collectively, these faults form a boundary for variably tilted and rotated blocks that are underlain by monoclinal strata.*

*The Toodoggone fault which intersects the Toodoggone River valley and the Cascadero fault that coincides with theFinlay River valley, divide the Toodoggone Formation into three segments. The northwest and southeast segments have basal rocks of the Toodoggone Formation resting unconformably on rocks of the Takla Group. Inclined bedding within these segments generally faces towards the central segment. The central segment is dissected by the prominent northwest-trending Castle, Drybrough and Saunders faults...*

*Feldspar-porphyritic andesite and a few basaltic dikes trend cnsistently north to northwest. Although solitary dikes are widespread, swarms of dikes are prevalent in the area between Saunders fault, Mount Graves and The Pillar and extend northwest to the headwaters of the McClair Creek. A northwest-elongated granodiorite pluton, also in this general area, appears to be delimited by steep faults that intersect the Toodoggone fault east of the Saunders fault. (p.38-39) ...*

GEOCHEMISTRY

A geochemical reconnaissance-scale soil sampling survey was conducted by the writer during July 1995 over the northern and southern portions of the PIL mineral claims at 100m. intervals, while geologist C. Soux took geophysical magnetometer readings along the same lines, as described in the Geophysical Report by S. Visser in Appendix I. Prospecting and sampling of available outcrop and float rocks along the chain and compass lines was conducted concurrently with the soil sampling and the geophysical survey. In addition, prospecting reconnaissance was carried out on the PIL 2 claim in an area of anomalous stream sediments trace-elements geochemistry, Ref.#2, and C. Soux mapped in detail the roadside occurrence of a gabbroic dike on the PIL 6 claim. In September 1995, Hobson Contracting Ltd. of Smithers carried out additional soil sampling in the northern and southern areas of the claims at 50m intervals, the geochemical results of which are incorporated in this Report.

A total of 224 B-horizon soil samples were collected with a mattock at an average 10cm depth, at 100m and 50m intervals on three east-west sampling lines at 500m to 1km separations in the northern area of the PIL claims, for a total length of 7.2 km, and on four sampling lines at similar intervals in the southern claims area, for an additional length of 8.5 km, for 15.7 km of soil-sampled lines in total,Figs.3,4,5, in pocket. The soil sampling/geophysical lines were oriented to intersect the eastern and western contact zones of the NNW trending, 1km-wide intrusive, whose edges on the ground are obscured by thick wedges of glacial drift deposits lapping the lower slopes of the main north-south valley in the claims area. Based on the presence of numerous gossans on both sides of the valley, Fig.3, in pocket, the Toodoggone Formation volcanics are considered propsective for precious metals mineralization within and beyond the intrusive contact zones. Some 38 outcrop and float rock samples were also collected and analyzed, like the -80 mesh fraction soils, for fire-geochemical gold and 31 trace-elements ICP, mercury and total barium at Min-En Laboratories in Vancouver, using standard geochemical methods described in Appendix IV. Gold, silver, arsenic, barium, antimony, copper, lead, zinc values are directly inscribed on the 1:10,000 scale sample location maps, Figs. 4,5, in pocket, and the precious metals values on the rock sample locations propsecting maps Figs. 6,7, overleaf, while complete analytical results are presented in Appendix V.

**Rock Samples Geochemistry**

As described in Rock Sample Notes by C. Soux, Appendix III, and plotted on the 1:10,000 scale sample locations maps, Figs. 4,5, in pocket, bedrock samples where available, and float rocks were collected mostly along the survey lines, based on the presence of identified sulfides, alteration, rusty fracturing with secondary Fe, Mn oxides, silicification, etc., all of which are considered as possible positive indicators of anomalous trace elements values related to precious metals mineralization. In addition, bedrock and float rock samples were collected in the central prospecting area on the PIL 2 claim and in the mapped area on the PIL 6 claim to the south, as shown on the rock sample locations prospecting maps, Figs. 6,7, overleaf.

The southern portion of the PIL property produced the most strongly anomalous precious metals values, which are also supported by strongly anomalous copper, molybdenum, chromium and lead values, in the rocks collected along the western portion of Line P12-1 on the PIL 12 claim. Thus float sample P12-6F of silicified andesite with disseminated pyrite, and outcrop sample P12-7R, of argillized andesite containing secondary Fe-OH, Appendix III, contain 240ppb Au and 127ppb Au and 38.6ppm Ag and 23.3ppm Ag respectively, Fig.5, in pocket. The anomalous precious metals values are accompanied by highly anomalous trace elements values of up to 0.4%Cu, 180ppm Mo, 0.2%Pb, 359ppm Cr, and 3ppm Th. The strongly anomalous moly, chromium and thorium values likely indicate presence of strong, steeply dipping cross-structures which may be coincident with the NNE trending topographic depressions present on the upper slopes in the area, Fig.5.

Highly negatively anomalous major trace-elements values in Al, Fe, Mg, in float rocks P12-4F,-6F and outcrop sample P12-5R (Appendix V) indirectly indicate that these are the most strongly silicified rocks sampled on the property. Outcrop samples P12-4F and -5R are strongly anomalous in total barium, with 1440ppm and 5780ppm Ba, indicating that barite is at least peripherally associated with precious metals enriched silicification. The anomalously associated base and precious metals values described above suggest that the very strong silicification of the andesitic volcanics is associated with precious metals mineralization in the area south of Jock Creek and west of its central southern tributary running in a NNE rusty shear zone on the PIL 12 claim in the southern portion of the property, Figs.3,5, in pocket. The unsilicified gabbroic rocks mapped and sampled immediately south of Jock Creek, Fig.7, overleaf, do not carry anomalous gold values despite weakly anomalous silver, copper, lead and zinc geochemistry, Appendix V.

In the prospected area located centrally on the property on the PIL 2 claim, Fig.3, in pocket, where vertical 0.5m-4.0m wide basaltic dikes striking 145°-165° intrude K-feldspar rich epidotized monzonite, the highest gold values were obtained in samples P2-11F and P2-14F of quartz veins float stained with secondary Fe-OH, Fig.6, overleaf and Appendix III, with 128ppb and 154ppb Au present respectively, and supported by anomalously high silver and base metals trace elements values of up to 5.3ppm Ag, 601ppm Cu, 345ppm Pb, 855ppm Zn, 115ppm Co, 126ppm V, 59ppm Cr, plus 255ppm Ba, 6ppmSb, Appendix V. Anomalous mercury values of up to 165ppb Hg are present in the silicified rocks in this central area, relative to 45ppbHg and 15ppb Hg in the sampled rocks to the north and south respectively, Appendix V, which may indicate greater abundance of younger structures or, as the quartz veins are associated with anomalous precious metals values, they and the dikes should be sampled at regular intervals along strike to determine if they possibly intersect any blind mineralization at depth.

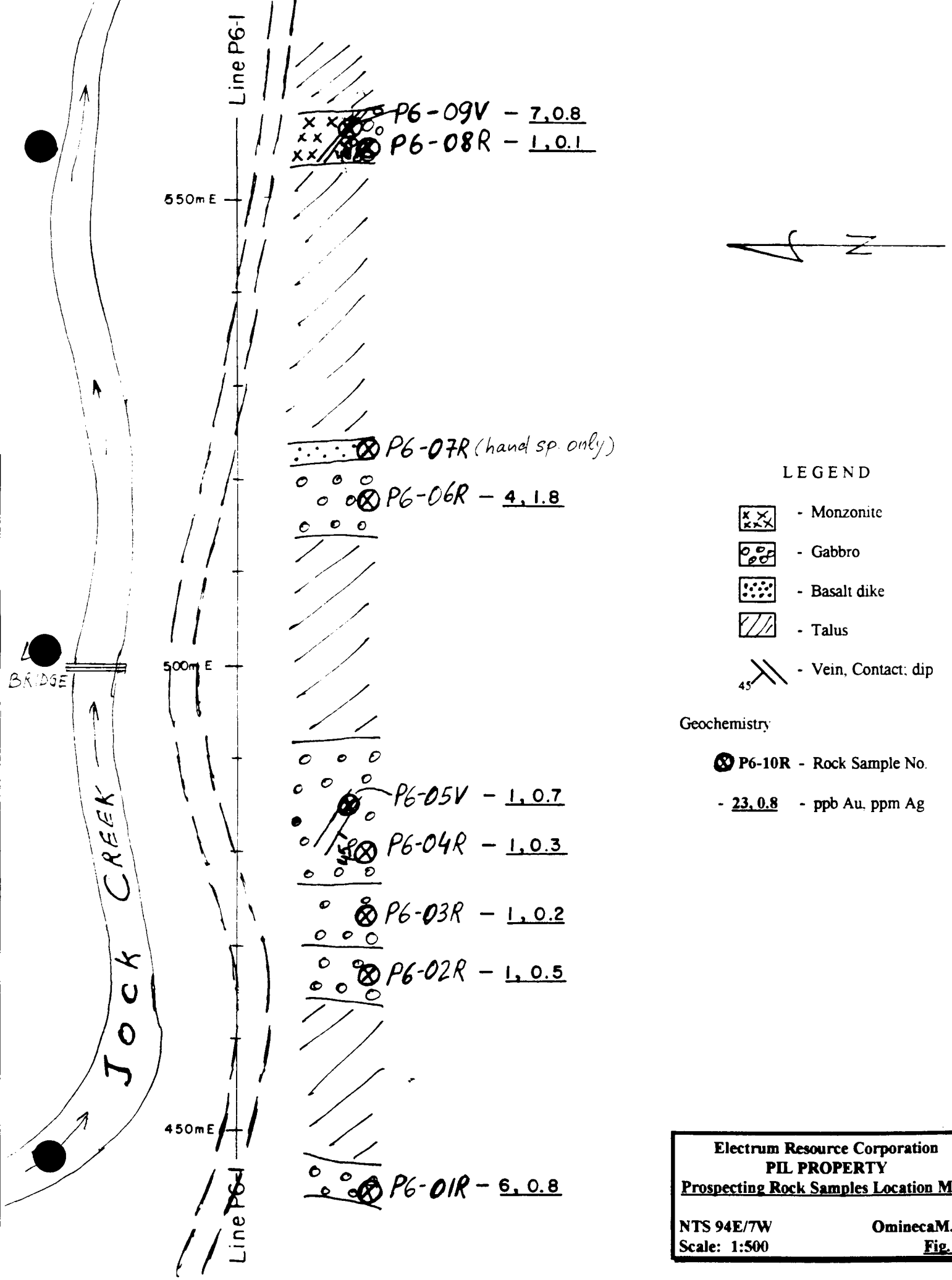
In the northern sector of the property, the highest gold value in the handful of rocks sampled is present in float sample P10-3F, with 80ppb Au, collected on the main ridge where sampling Line-P10-1 intersects PIL10/PIL11 claim line, Fig.3,4, in pocket. The silicified andesitic float, with Fe-OH and barite, Appendix III, is similar in anomalous trace elements geochemistry to the earlier described gold-anomalous rocks from the south end

**LEGEND**

Rock Sample No. x ppb Au, ppm Ag

**Electrum Resource Corporation**
**PIL PROPERTY**
**Prospecting Rock Samples Location Map**

**NTS 94E/7W** **Omineca M.D.**
**Scale: 1:5,000** **Fig.6**




**Electrum Resource Corporation**
**PIL PROPERTY**
**Prospecting Rock Samples Location Map**

**NTS 94E/7W** **OminecaM.D.**
**Scale: 1:500** **Fig. 7**

of the property, but is lacking in silver, with 0.1ppm Ag, 304ppm Cu, 255ppm Pb, 451ppm Zn, 60ppm Cr, and 268ppm Ba, 6300ppm Ba total, Appendix V. The major trace elements geochemistry indirectly indicates lack of strong silicification in this sample, pointing to the need for additional prospecting for more strongly silicified rocks and the expected precious metals enrichment in the northern area of the PIL property.

**Soils Geochemistry**

Strong gold anomalies are present in the soils sampled in both the southern and the northern portions of the PIL property. In both areas the anomalous gold values are supported by anomalous trace elements geochemistry, indicating that they are directly related to bedrock sources rather than to glacial placering.

In both northern and southern areas sampled, the trace elements geochemistry clearly identifies the major intrusive contacts with anomalous base metals, particularly copper, while anomalous lead is most likely indicative of sericitic alteration. Anomalous zinc values are in addition related to hydromorphic dispersion in combination with anomalous iron and manganese, mostly located in strong topographic depressions, some of which also carry anomalous mercury values. Barite, as indicated by anomalous total barium values, is in general associated with both gold anomalies and barren silicification. Anomalous antimony is only erratically associated with gold, while the laboratory's analytical arsenic values are suspect, as they are all below detection limit. In addition to gold and silver, molybdenum may be one of the most significant pathfinders for gold mineralization on the property, as discussed below.

Southern Claims Area

The highest soil sample gold value of 295ppb Au was obtained in the southern sector of the claims at the western end station 2000W on Line-P12-1, located high up on the northern slope of the PIL12 claim. The strongly anomalous gold value is supported by highly anomalous silver and base metals values of 8.3ppmAg, 515ppm Cr, 919ppm Cu, 2311ppm Pb, and in the neighbouring sample at 1900W, 940ppm Zn. This anomaly correlates with similarly anomalous stations 400W and 450W on Line A, located 200m. downhill to the north, with up to 95ppb Au, 9.7ppm Ag, 166ppm Cr, 409ppm Cu, 1176ppm Pb, 245ppm Zn and 1840ppm total Ba, which likely coincides with the western intrusive contact, based on the sharply cut-off base metals geochemistry to the west, Figs.3 and 5, in pocket. Since this area also contains the highest gold values in float and bedrock samples discussed above, it deserves high priority prospecting, mapping, and geochemical/geophysical follow-up surveys.

A pair of parallel lineaments visible on the topographic maps at 1300m. apart and striking at 20°, bracket the highly anomalous base metals trace elements values on all three soil sample lines located south of Jock Creek. Soil samples taken at regular intervals and rocks should be sampled along strike of these lineaments in order to locate leakage haloes of pathfinder trace elements for possible blind precious metals mineralization.

The eastern contact of the mafic intrusives probably coincides with the sharply anomalous copper values at stations 900W on Line P-12-1, at 1700E on Line P-6-1 and across the Jock Creek valley to the north, at 1150W on Line B. Only weakly anomalous gold values of up to 50ppb Au and anomalous silver values of up to 1.4ppm Ag, Fig.5, are associated with the eastern intrusive contact area, though a strong structure, possibly related to precious metals enrichment, may be indicated by anomalous silver, mercury, and particularly moly values of up to 1.0ppm Ag, 75ppb Hg and 30ppm Mo at stations 2400E and 2500E at the eastern end of Line P6-1, located to the east of the main intrusive contact on the PIL 13 claim.

Relatively strong, but barren, silicification accompanied by barite is indicated at station 1200W on Line A, based on negatively anomalous major trace elements Al, Fe, Mg and ≥10000ppm total Ba, Appendix V. At the west end station 2000W on Line A, strongly anomalous copper and mercury values of 305ppmCu, 115ppb Hg and anomalous 24ppbAu, 0.9ppm Ag, 217ppm Ba, 18ppm Sb, 95ppm Pb, 190ppm Zn coincide with the mapped trace of a secondary fault that parallels the Saunders fault to the west, Fig.3. Additional prospecting and geochemical sampling is required to delineate the extent of this end of the line trace elements anomaly.

Northern Claims Area

On all three lines sampled in the northern portion of the property anomalous gold values of 40-170ppb Au are present for several hundred meters across the gossanous ridges eastward from the postulated western intrusive contact, and weakly anomalous copper values generally stretch further eastward over the intrusive terrain. A more highly anomalous gold value of 260ppbAu is present at station 300E on Line P-10-1, where a drainage intersects the western intrusive contact.

Other anomalous trace elements values are only erratically associated with the anomalous gold values on the gossanous ridges because of selective leaching of the originally associated trace elements. On the northernmost sampled Line P-10-2, highly anomalous molybdenum values of 69ppm and 62ppm Mo are associated with gold values of up to 152ppb Au at stations 200E to 400E on a gossanous spur ridge on the PIL23 claim. Strong silicification is indirectly indicated at station 300E at the center of the gold-moly anomaly by negatively anomalous trace elements geochemistry. This anomaly should be followed up in detail as the combination of anomalous gold and moly values in silicified gossans may help to distinguish those that may be related to precious metals mineralization at depth, from among the numerous gossans present in the northern half of the property.

A second area of associated anomalous gold and moly values of up to 34ppb Au, 25ppm Mo occurs at stations 1800-1900E on Line-P10-1 near the eastern intrusive contact with silicified andesites, as indicated in float sample number P10-3F described earlier, which contained 80ppb Au, plus barite. Anomalous base metals values of 87ppm Cu, 131ppm

Pb, 143ppm Zn are also present at station 1900E, while 1/2km up the ridge, on Line C to the south, anomalous gold and zinc values of 61ppbAu, 220ppm Zn indicate that the whole ridge on the PIL 11 claim should be prospected in detail.

A different type of anomaly occurs on Line C at station 1100W where anomalous precious metals of 45ppbAu, 1.2ppm Ag are supported by anomalous base metals and antimony with 494ppm Cu, 328ppm Zn, 44ppm Sb and bracketed by anomalous manganese values to the west and mercury to the east, with up to 4945ppm Mn, 175ppb Hg in an area of northwesterly and northeasterly intersecting structures, the latter containing a 5-10m.thick bed of manganiferous ferricrete upstream to the southwest of the soil anomaly. The extent of hydromorphic accumulation of the trace elements in the Mn, Fe precipitates should be related to any centers of silicification which may be located in the anomaly area by follow up prosepecting.

## CONCLUSIONS

1. Several significant precious metals anomalies have been located on the PIL property by geochemical sampling and prospecting. In the south on the PIL 12 claim, coincident anomalous values of 295ppb Au, 8.3ppm Ag in soils and 240ppb Au, 38.6ppm Ag and 127ppb Au, 23.3ppm Ag in silicified andesite float and bedrock occur at the western end of Line-P12-1. In the north, the highest gold values of 152ppbAu, accompanied by highly anomalous 69ppm Mo, occur in the silicified portion of a large gossan present in the western intrusive contact area on the PIL 23 claim.

2. Similarly anomalous 80ppbAu in float rock and 34ppb Au, 25ppm Mo in a coincident soil sample is present on Line-P-10-1 at 1800E below a gossan on the eastern intrusive contact on the main ridge between the PIL 10 & 11 claims.

3. Strongly anomalous base metals trace elements values in soil samples clearly identify intrusive contacts in both northern and southern areas, and hydromorphic anomalies located at strong structural intersections such as at 1000W on Line C on the PIL 10 claim.

## RECOMMENDATIONS

1. Additional prospecting away from the sampled lines is required for all anomalous areas, and beyond, to locate centers of gold enriched silicification within the variously altered Toodoggone volcanics on the PIL property.

2. All the anomalous areas should be contour soil sampled in conjunction with additional prospecting, which provides more homogeneous inter-sample material for analysis, and facilitates interpretation, better than straight-line sampling in areas of steep topography and varied overburden depth.

3. Likely younger, post-mineralization quartz veins, dikes and lineaments should be sampled at regular intervals along strike to locate centers of anomalous base and precious metals, and pathfinder trace elements geochemistry, which may be related to any blind precious metals mineralizaton at depth.

4. The high quality field-sieved stream sediment sampling coverage, described in Ref.#2, should be extended over the new claims and completed at a uniform density, and the analytical results integrated for the whole PIL property.

5. The suspect low analytical arsenic values should be re-analyzed, as anomalous arsenic values have been previously obtained on the property in stream sediments and outcrops.

## REFERENCES CITED

1. Diakow, L.J., Panteleyev, A., Schroeter, T.G., (Jan.,1993):
Geology Of The Early Jurassic Toodoggone Formation and Gold-Silver Deposits In The Toodoggone River Map Area, Northern British Columbia, BCMEMPR Bulletin 86.

2. Staargaard, C.F., (Jan.,1994):
Geochemical Sampling And Reconnaissance Geology Of The PIL 1-13 Claims Toodoggone Area, British Columbia, consultant's Assessment Report for Electrum Resources Corporation.

## *CERTIFICATE*

*I, Sam Zastavnikovich, do hereby certify that:*

1. *I am a consulting geochemist with offices at 5063-56th Street, Delta, B.C., V4K 3C3, and am a 1969 graduate of the University of Alberta, with B. Ed. degree in Physical Sciences.*

2. *I have been continuously employed from 1969 to 1982, and seasonally since 1966, by Falconbridge Ltd. of Toronto and Vancouver as field geochemist working in Canada, U.S.A., the Carribean and S. America.*

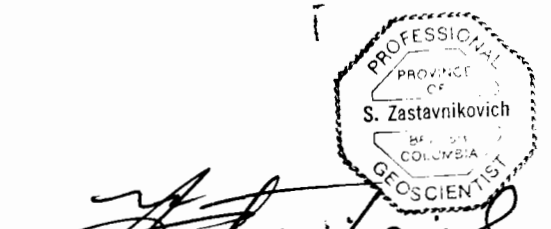
3. *Since 1982 to present I have continuously practiced as a consulting geochemist in the mineral exploration industry.*

4. *I am a Fellow of the Association of Exploration Geochemists.*

5. *I am a member in good standing of the the Association of Professional Engineers and Geoscientists of British Columbia, Canada.*

6. *I have no direct nor indirect interest in the subject properties or the client company.*

7. *This report is based on my own fieldwork, supervision and observations on the property.*




*S. Zastavnikovich, P.Geo.*
*Consulting Geochemist*

APPENDIX I

# RECCY MAGNETOMETER SURVEY

on the

# PIL PROPERTY

**OMINECA MINING DISTRICT**

**BRITISH COLUMBIA**

**NTS 94 E / 7W**

Prepared for:

## ELECTRUM RESOURCE CORPORATION


Prepared by:

Syd Visser, P. Geo.

## S.J.V. CONSULTANTS LTD.

11762 - 94th Avenue
Delta, British Columbia
Canada V4C 3R7


NOVEMBER, 1995

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*S.J.V Consultants Ltd. 11762 - 94th Ave., Delta, B.C. Canada tel (604) 582-1100 fax (604) 589-7466*

# INTRODUCTION

A reccy magnetometer survey was completed by Electrum Resource Corporation personal on the Pil Property during the period of July 21 to July 25, 1995. The Pil Property is located in the Omineca Mining Division of British Columbia, NTS 94 E / 7W.

This purpose of the survey intended to attempt to locate the contact of the intrusive known to strike across the property.

This report is meant to be an addendum to a more detailed geological report prepared by Electrum Resource Corporation. Therefore location maps, property history and local geology will not be included.

# FIELD WORK AND INSTRUMENTATION

The survey grid consisted of four reccy lines each between 2 to 3 Km long. Two lines were surveyed over the southern part of the claims and two over the northern part of the claims. All lines crossed the mapped boundaries of the intrusive.

The data was collected by Electrum Resource Corporation personnel using a Geometrics model G-816 proton magnetometer.

The data were entered into the computer and plotted on a colour inkjet plotter in Vancouver for final presentation and interpretation by S.J.V. Consultants Ltd. personnel.

# DATA PRESENTATION

The data are presented as one plan map, Plate G1, of the magnetic profiles. The lines were assumed to be straight line segments, for interpretation and plotting purposes, which may not the true field representation.



*S.J.V Consultants Ltd. 11762 - 94th Ave., Delta, B.C. Canada tel (604) 582-1100 fax (604) 589-7466*

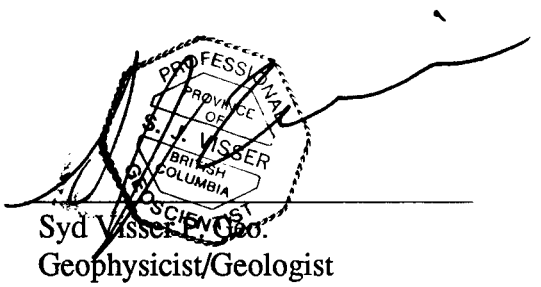
# DISCUSSION

The magnetic response over the survey area varies by approximately 2000nT. On the northern two lines the variation in the magnetic intensity is approximately 1000nT. Because of the variation in susceptibility within the intrusive it is difficult to locate the contact. The eastern contact is possibly located at 2300E on line P10-2 and at 2200E on line P10-1. There is no distinct western contact visible in the data.

The two lines on the southern part of the property each have a distinct response indication a lithological or phase change between the two lines. The southern line, P12-1, has a highly variable magnetic response whereas the northern line is smoother. The northern line, P6-1, does indicate a number of contact areas staring at 200E, 800E, 1250E and 2200E. There is also a significant spike located at 450E on the nothern line that may be due to a mapped gabbro.

Because of the limited data and variable response in the intrusive it is difficult to determine the contact with any confidence. The data should be compared to the government airborne, data if available, to aid in location of the intrusive contact.

November 1995




Syd Visser P.Geo.
Geophysicist/Geologist

S.J.V. Consultants Ltd.



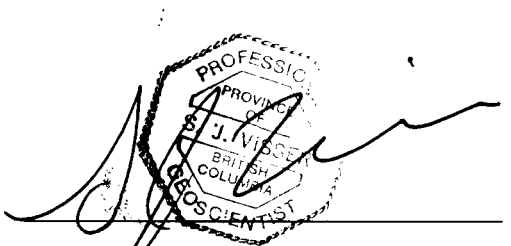
*S.J.V Consultants Ltd. 11762 - 94th Ave., Delta, B.C. Canada tel (604) 582-1100 fax (604) 589-7466*

# APPENDIX 1

## *STATEMENT OF QUALIFICATIONS: SYD VISSER*

I, Syd J. Visser, of 11762 - 94th Avenue, Delta, British Columbia, hereby certify that:

1) I am a graduate from the University of British Columbia, 1981, where I obtained a B.Sc. (Hon.) degree in Geology and Geophysics.
2) I am a graduate from Haileybury School of Mines, 1971.
3) I have been engaged in mining exploration since 1968.
4) I am a Professional Geoscientist registered in British Columbia.




Syd J. Visser, B.Sc., P.Geo

Geophysicist/Geologist

APPENDIX II

## Statement of Expenditures

PIL Mineral Claims

| | |
|---|---|
| Fieldwork & travel (July 19-25 and 27-30, and Sept. 16-18, 1995) | |
| S. Zastavnikovich, geochemist, 10 days @ $350/d | 3500.00 |
| C. Soux, geologist, 9 days @ $300/d | 2700.00 |
| Hobson Contracting Ltd.(as per invoice) | 1123.50 |
| Food 2 men, 9 days @ $60/d | 540.00 |
| Lodging, motels & camp, 9 days @ $25/d | 304.35 |
| Transport, 4 x 4 truck, 9 days @ $50/d | 450.00 |
| Fuel and mileage | 389.92 |
| Helicopter, 2.5 hr @ $680/h + fuel, GST | 1848.16 |
| Helicopter, 5.3 hr @ $695/h + fuel, GST | 4652.49 |
| Field Supplies, Telephone | 333.53 |
| Radio Rental, 9 days @ $10/d | 90.00 |
| Rental | |
| Magnetometer | 570.00 |
| Sample sorting & delivery to Lab, 1/2d @ $350 + mileage | 190.00 |
| Analysis: | |
| 224 soil samples, prep @ $1.50 | 336.00 |
| 38 rock samples, prep @ $4.25 | 161.50 |
| 262 analysis for ICP & fire Au @ $14.75 | 3864.50 |
| 262 analysis for Ba tot, Hg @ $16.00 | 4192.00 |
| GST on analysis | 598.78 |
| Assessment Report: | |
| Mileage, parking | 60.00 |
| Map draughting, F.Y. Chong | 530.75 |
| Geophysical, S.J.V. Consultants | 403.75 |
| Report writing & prep. 3 1/2 d @ $350/d, reproduction | 1225.00 |
| Maps & Report reproduction | 80.00 |
| Total Expenditure | $28,144.23 |

## APPENDIX III

### ROCK SAMPLE NOTES - PIL Claims

| Sample # | Description (R-outcrop, F-float, V-vein) |
|---|---|
| P2-3F | -Highly silicified rock, with quartz veining. |
| P2-4F | -Highly chloritized, epidotized monzonite, with malachite, pyrite. |
| P2-5R | -Outcrop of 1m. wide quartz vein, with vugs, Fe-OH. |
| P2-6R | -Monzonite o/c with slight chlorite alt., malachite. |
| P2-7R | -Silicified fine-gr. felsic volc., 1 m. wide, with Fe-OH. |
| P2-8R | -Green-grey intensely propylitized monzonite in a 5 m. shear, with abundant malachite, some Fe-OH. |
| P2-9F | -Quartz veins in propylitized, monz. with mal., cpy., Fe-OH. |
| P2-10F | -Silicified monz., with abundant mal., + a black mineral ? |
| P2-11F | -Quartz veinlets in monz., with mal., cpy., + Fe-OH. |
| P2-12A-V | -Quartz veinlets in salvage, next to P2-12B-V, below. |
| P2-12B-V | -Siliceous vein, 1.5 m. wide, vertical. |
| P2-12C-V | -Quartz veinlets in salvage, opposite side to P2-12A-V. |
| P2-13F | -Silicified monz., with qtz. veinlets, mal., cpy., + Fe-OH. |
| P2-14F | -Quartz vein float, with some Fe-OH. |
| P2-15F | -Chloritized, epidotized monozonite, with malachite stain. |
| P2-16F | -Silicified rock, with quartz veining, abundant Fe-OH. |
| P2-17F | -Silicified and propylitized monzonite, with Fe-OH, Mn-Oxides. |
| P10-1R | -Small o/c of limonitic volcanics. |
| P10-2F | -Potassic-altered volc. float, strong limonite. |
| P10-3F | -Silicified andesite with Fe-OH, and barite. |
| P10-4R | -Argillized andesite volc., partly silicified, with limonite. |
| P10-5F | -Strongly silicified volc., with Fe-OH, Mn-oxides. |
| P12-1F | -Strongly silicif. light-grey fine-gr. volc., with py, Fe-OH. |
| P12-2F | -Same as above, P12-1F. |
| P12-3R | -Porphyritic andesite (with grey augite phenos?). |
| P12-4F | -Silicified andesite in narrow rusty shear. |
| P12-5R | -Small o/c of silicified andesite, with dissem. py. |
| P12-6F | -Same as above outcrop sample P12-5R. |
| P12-7R | -Argillized andesite, with Fe-OH. |
| P12-8R | -Augite porphyry rock sample. |
| P6-1R | -Gabbro?, narrow fractures filled with qtz., Fe-OH. |
| P6-2R | -Partly propylitized gabbro. epidotized fractures. |
| P6-3R | -Monzonite, partly propylitized. |
| P6-4R | -Propylitized gabbro, with conspicuous K-spar phenos. |
| P6-5V | -Qtz. + clay + FeOH veins in gabbro; potassic + epidote altered. |
| P6-6R | -Highly fractured limonitic gabbro, with K-spar altered veinlets. |
| P6-8R | -Partly epidotized gabbro. |
| P6-9V | -Monz./gabbro fault contact? gangue, 10 cm. wide, with epidote, FeOH, and pyrite. |

APPENDIX IV

**Analytical Procedures**

PHONE: (604) 980-5814 or 988-4524



TELEX: 04-352828

*MIN-EN Laboratories Ltd.*
*Specialists in Mineral Environments*
Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

## FIRE GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Fire Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 15.00 or 30.00 grams are fire assay preconcentrated.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 1 ppb.

Analytical Procedure - The samples were analyzed by Min-En Laboratories Ltd. of 705 West 15th St., N.Vanc, as follows:

The stream sediments were oven-dried in their original water-resistant kraft paper bags at 95°C and screened to obtain the minus 80 mesh fraction for analysis. The rock samples were crushed and pulverized in a ceramic-plated pulverizer.

A suitable weight og 5.0 or 10.0 grams is pretreated with $HNO_3$ and $HClO_4$ mixture.

After pretreatment the samples are digested with Aqua Regia solution, then taken up with 25% HCl to suitable volume and aliquot used for the 26 element ICP trace element analysis.

From the major remaining portion of the sample, Gold is preconcentrated by standard fire assay methods, then extracted with Methyl Iso-Butyl Ketone and analyzed by Atomic Absorption.

For Mercury analysis, 1 gram of sieved material is sintered at 90°c for 4 hours, then digested in $HNO_3$ and HCl acids mixture, and analyzed by the Hatch and Ott flameless AA method.

APPENDIX V

**Analytical Results**

COMP: ELECTRUM RESOURCES
PROJ: PIL
ATTN: John Barakso

# MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5V-0305-RJ1+2
DATE: 95/08/22
* rock * (ACT:F31)

| SAMPLE NUMBER | AG PPM | AL % | AS PPM | BA PPM | BE PPM | BI PPM | CA % | CD PPM | CO PPM | CR PPM | CU PPM | FE % | GA PPM | K % | LI PPM | MG % | MN PPM | MO PPM | NA % | NI PPM | P PPM | PB PPM | SB PPM | SN PPM | SR PPM | TH PPM | TI % | U PPM | V PPM | W PPM | ZN PPM | Au-fire PPB | Hg PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P2-03-F | .3 | 1.28 | 1 | 296 | 1.0 | 7 | .13 | .1 | 4 | 1 | 26 | 3.02 | 1 | .21 | 3 | .17 | 177 | 4 | .02 | 9 | 800 | 76 | 1 | 1 | 73 | 1 | .02 | 1 | 24.3 | 1 | 49 | 3 | 35 |
| P2-04-F | .5 | 1.43 | 1 | 281 | 1.3 | 9 | .22 | .1 | 5 | 7 | 54 | 3.72 | 1 | .17 | 5 | .45 | 520 | 7 | .03 | 13 | 1130 | 235 | 1 | 2 | 144 | 1 | .03 | 1 | 35.7 | 1 | 82 | 17 | 15 |
| P2-05-R | .7 | 1.60 | 1 | 292 | 1.2 | 9 | .21 | .1 | 5 | 7 | 49 | 3.32 | 1 | .13 | 4 | .44 | 502 | 6 | .03 | 13 | 1090 | 202 | 3 | 1 | 121 | 1 | .04 | 1 | 36.9 | 1 | 87 | 32 | 55 |
| P2-06-R | .3 | 1.46 | 1 | 258 | 1.6 | 13 | .43 | .1 | 6 | 8 | 56 | 4.38 | 1 | .25 | 5 | .67 | 864 | 4 | .03 | 14 | 1570 | 400 | 1 | 4 | 107 | 1 | .05 | 1 | 36.0 | 1 | 137 | 1 | 10 |
| P2-07-R | .7 | 1.71 | 1 | 248 | 1.6 | 13 | .38 | .1 | 9 | 58 | 135 | 4.42 | 1 | .14 | 6 | .91 | 779 | 5 | .03 | 23 | 1400 | 289 | 2 | 3 | 124 | 1 | .08 | 1 | 64.7 | 4 | 155 | 2 | 110 |
| P2-08-R | .1 | 2.20 | 1 | 112 | 1.5 | 11 | .77 | .1 | 12 | 18 | 65 | 3.35 | 1 | .07 | 12 | .64 | 511 | 4 | .01 | 19 | 1120 | 81 | 5 | 3 | 33 | 1 | .05 | 1 | 67.5 | 2 | 134 | 6 | 5 |
| P2-09-F | .1 | 2.34 | 1 | 129 | 1.9 | 11 | .97 | .1 | 20 | 31 | 252 | 4.57 | 1 | .07 | 17 | .84 | 1098 | 8 | .02 | 27 | 1220 | 137 | 4 | 4 | 55 | 1 | .06 | 1 | 85.4 | 4 | 237 | 31 | 10 |
| P2-10-F | .1 | 1.47 | 1 | 92 | 1.1 | 8 | .52 | .1 | 10 | 20 | 63 | 2.71 | 1 | .05 | 10 | .44 | 573 | 4 | .01 | 16 | 830 | 81 | 2 | 3 | 32 | 1 | .04 | 1 | 63.3 | 2 | 128 | 4 | 5 |
| P2-11-F | 5.3 | 1.76 | 1 | 255 | 1.9 | 10 | .30 | .1 | 6 | 21 | 162 | 4.99 | 1 | .14 | 8 | .55 | 653 | 5 | .03 | 19 | 1630 | 345 | 1 | 4 | 67 | 1 | .03 | 1 | 43.5 | 2 | 131 | 128 | 15 |
| P2-12A-V | .1 | 2.76 | 1 | 93 | 1.5 | 10 | 1.07 | .1 | 17 | 23 | 140 | 3.12 | 1 | .04 | 11 | .75 | 700 | 6 | .01 | 21 | 1720 | 80 | 6 | 4 | 20 | 1 | .05 | 1 | 74.1 | 3 | 106 | 16 | 10 |
| P2-12B-V | 1.6 | 3.32 | 1 | 182 | 3.4 | 1 | .65 | .1 | 21 | 62 | 1459 | 5.12 | 1 | .13 | 27 | .85 | 1404 | 6 | .03 | 43 | 2190 | 273 | 7 | 6 | 54 | 1 | .05 | 1 | 80.8 | 5 | 591 | 14 | 65 |
| P2-12C-V | 2.6 | 2.49 | 1 | 267 | 2.1 | 13 | .30 | .1 | 12 | 56 | 145 | 5.38 | 1 | .12 | 9 | .78 | 814 | 6 | .03 | 27 | 1530 | 305 | 4 | 3 | 79 | 1 | .05 | 1 | 69.6 | 4 | 239 | 9 | 65 |
| P2-13-F | 1.1 | 3.36 | 1 | 191 | 2.5 | 16 | .95 | .1 | 32 | 101 | 280 | 6.44 | 1 | .09 | 15 | 1.28 | 1076 | 6 | .02 | 48 | 1260 | 264 | 5 | 6 | 81 | 1 | .11 | 1 | 132.1 | 8 | 604 | 6 | 40 |
| P2-14-F | .1 | 3.18 | 1 | 232 | 2.7 | 14 | .97 | .1 | 115 | 59 | 601 | 6.53 | 1 | .13 | 17 | 1.32 | 4750 | 10 | .02 | 54 | 1390 | 226 | 6 | 6 | 62 | 1 | .10 | 1 | 126.2 | 7 | 855 | 154 | 15 |
| P2-15-F | .1 | 2.66 | 1 | 183 | 2.6 | 12 | 1.11 | .1 | 64 | 49 | 407 | 5.43 | 1 | .11 | 16 | 1.26 | 2886 | 10 | .02 | 42 | 1370 | 178 | 5 | 5 | 71 | 1 | .08 | 1 | 104.1 | 5 | 847 | 13 | 25 |
| P2-16-F | .1 | 2.73 | 1 | 129 | 2.3 | 12 | .60 | .1 | 28 | 58 | 245 | 4.96 | 1 | .07 | 14 | 1.11 | 1194 | 7 | .02 | 33 | 1220 | 151 | 5 | 4 | 32 | 1 | .07 | 1 | 97.5 | 4 | 467 | 10 | 40 |
| P2-17-F | .1 | 1.82 | 1 | 187 | 2.2 | 16 | .61 | .1 | 26 | 25 | 153 | 5.92 | 1 | .11 | 11 | .87 | 2251 | 5 | .02 | 29 | 1680 | 238 | 1 | 4 | 33 | 1 | .08 | 1 | 67.5 | 3 | 318 | 6 | 165 |
| P10-01-R | .1 | 2.79 | 1 | 218 | 2.4 | 17 | 1.07 | .1 | 38 | 52 | 350 | 6.08 | 1 | .13 | 13 | 1.23 | 2094 | 8 | .03 | 36 | 1590 | 234 | 5 | 6 | 121 | 1 | .11 | 1 | 115.9 | 5 | 547 | 47 | 40 |
| P10-02-F | .1 | 2.28 | 1 | 166 | 2.3 | 17 | .95 | .1 | 32 | 46 | 286 | 5.82 | 1 | .11 | 13 | 1.19 | 1529 | 6 | .02 | 32 | 2090 | 197 | 2 | 5 | 88 | 1 | .11 | 1 | 111.4 | 4 | 626 | 6 | 45 |
| P10-03-F | .1 | 2.26 | 1 | 268 | 2.3 | 16 | .76 | .1 | 24 | 60 | 304 | 5.82 | 1 | .13 | 10 | 1.21 | 1562 | 7 | .03 | 32 | 1430 | 255 | 1 | 4 | 135 | 1 | .10 | 1 | 115.9 | 5 | 451 | 80 | 30 |
| P10-04-R | .1 | 2.48 | 1 | 213 | 1.7 | 14 | 1.26 | .1 | 17 | 12 | 125 | 3.52 | 1 | .12 | 14 | .90 | 1092 | 8 | .01 | 19 | 1460 | 111 | 5 | 4 | 101 | 1 | .09 | 1 | 68.6 | 3 | 438 | 21 | 10 |
| P10-05-F | .1 | 1.32 | 1 | 97 | 1.6 | 12 | .95 | .1 | 16 | 13 | 67 | 3.57 | 1 | .06 | 14 | .75 | 1186 | 5 | .01 | 19 | 890 | 75 | 1 | 3 | 43 | 1 | .06 | 1 | 81.4 | 3 | 277 | 11 | 15 |
| P12-01-F | .1 | 1.92 | 1 | 136 | 2.0 | 13 | 1.14 | .1 | 19 | 10 | 122 | 4.24 | 1 | .09 | 16 | .80 | 1625 | 7 | .01 | 23 | 1090 | 89 | 3 | 3 | 63 | 1 | .07 | 1 | 87.6 | 2 | 335 | 8 | 15 |
| P12-02-F | .1 | 1.99 | 1 | 144 | 1.7 | 14 | .99 | .1 | 18 | 8 | 147 | 3.89 | 1 | .11 | 9 | .84 | 1178 | 10 | .01 | 18 | 960 | 105 | 3 | 3 | 111 | 1 | .09 | 1 | 74.0 | 2 | 318 | 6 | 5 |
| P12-03-R | 1.2 | 1.44 | 1 | 24 | 1.2 | 6 | 1.44 | .1 | 12 | 94 | 71 | 3.25 | 1 | .04 | 4 | .56 | 200 | 1 | .17 | 26 | 1030 | 38 | 1 | 2 | 83 | 1 | .07 | 1 | 128.8 | 7 | 140 | 3 | 5 |
| P12-04-F | .5 | .19 | 1 | 179 | .5 | 1 | .04 | .1 | 1 | 37 | 21 | 1.14 | 1 | .14 | 1 | .02 | 11 | 3 | .01 | 4 | 530 | 22 | 1 | 1 | 10 | 1 | .01 | 1 | 8.2 | 2 | 15 | 6 | 5 |
| P12-05-R | .6 | .24 | 1 | 41 | .2 | 1 | .13 | .1 | 2 | 47 | 33 | .52 | 1 | .06 | 1 | .07 | 69 | 3 | .04 | 3 | 60 | 76 | 1 | 1 | 11 | 3 | .01 | 1 | 2.8 | 3 | 218 | 1 | 5 |
| P12-06-F | 38.6 | .16 | 1 | 16 | .6 | 1 | .04 | .1 | 3 | 127 | 4134 | 1.96 | 1 | .01 | 1 | .09 | 76 | 180 | .01 | 7 | 180 | 319 | 1 | 2 | 1 | 1 | .01 | 1 | 14.1 | 7 | 55 | 240 | 5 |
| P12-07-R | 23.3 | 2.07 | 1 | 14 | 2.1 | 5 | .14 | .1 | 7 | 359 | 767 | 6.26 | 1 | .02 | 10 | 2.03 | 1009 | 8 | .01 | 31 | 360 | 2061 | 1 | 7 | 1 | 1 | .03 | 1 | 143.5 | 18 | 186 | 127 | 5 |
| P12-08-R | 1.0 | 1.61 | 1 | 10 | 1.2 | 4 | 1.36 | .1 | 25 | 212 | 42 | 2.34 | 1 | .02 | 10 | 2.64 | 419 | 1 | .03 | 66 | 640 | 43 | 1 | 4 | 1 | 1 | .06 | 1 | 38.3 | 10 | 471 | 3 | 5 |
| P6-01-R | .8 | 2.90 | 1 | 25 | 1.7 | 5 | 3.32 | .1 | 22 | 36 | 229 | 4.41 | 1 | .06 | 8 | 1.48 | 618 | 2 | .12 | 26 | 1480 | 50 | 3 | 4 | 173 | 1 | .06 | 1 | 178.2 | 4 | 192 | 6 | 5 |
| P6-02-R | .5 | 1.51 | 1 | 20 | .8 | 3 | 1.95 | .1 | 12 | 31 | 24 | 1.64 | 1 | .04 | 4 | .87 | 315 | 1 | .02 | 12 | 1580 | 19 | 1 | 2 | 154 | 1 | .02 | 1 | 44.5 | 2 | 100 | 1 | 5 |
| P6-03-R | .2 | 1.09 | 1 | 34 | 1.1 | 4 | 1.00 | .1 | 10 | 33 | 20 | 2.05 | 1 | .04 | 4 | 1.06 | 527 | 1 | .02 | 9 | 660 | 23 | 1 | 2 | 33 | 1 | .04 | 1 | 43.0 | 3 | 95 | 1 | 5 |
| P6-04-R | .3 | 1.72 | 1 | 22 | 1.5 | 6 | 1.76 | .1 | 18 | 36 | 46 | 3.75 | 1 | .06 | 9 | 1.39 | 494 | 1 | .07 | 18 | 1610 | 36 | 1 | 3 | 120 | 1 | .04 | 1 | 110.6 | 3 | 101 | 1 | 5 |
| P6-05-V | .7 | 2.71 | 1 | 8 | .7 | 2 | 3.49 | .1 | 7 | 11 | 39 | .96 | 1 | .05 | 3 | .58 | 267 | 1 | .01 | 9 | 630 | 4 | 7 | 1 | 153 | 1 | .01 | 1 | 19.9 | 2 | 168 | 1 | 10 |
| P6-06-R | 1.8 | 2.19 | 1 | 46 | 1.4 | 10 | 1.90 | .1 | 12 | 23 | 189 | 3.27 | 1 | .04 | 8 | 1.39 | 779 | 4 | .02 | 15 | 1930 | 79 | 4 | 3 | 229 | 1 | .07 | 1 | 77.0 | 2 | 126 | 4 | 5 |
| P6-08-R | .1 | 1.44 | 1 | 32 | 1.6 | 8 | 1.44 | .1 | 18 | 52 | 62 | 4.32 | 1 | .07 | 8 | 1.49 | 772 | 1 | .05 | 24 | 2780 | 54 | 1 | 4 | 52 | 1 | .04 | 1 | 138.5 | 4 | 104 | 1 | 5 |
| P6-09-V | .8 | 2.42 | 1 | 19 | 2.7 | 1 | 1.01 | .1 | 33 | 30 | 1608 | 8.36 | 1 | .01 | 9 | 2.61 | 2464 | 4 | .01 | 41 | 1560 | 204 | 1 | 6 | 54 | 1 | .09 | 1 | 76.2 | 1 | 263 | 7 | 5 |

MINERAL
•ENVIRONMENTS
LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

**VANCOUVER OFFICE:**
8282 SHERBROOKE STREET
VANCOUVER, B.C. CANADA V5X 4E8
TELEPHONE (604) 327-3436
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**SMITHERS LAB:**
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TEL (604) 847-3004
FAX (604) 847-3005

# *Geochemical Analysis Certificate*

**5V-0305-RG1**

Company: **ELECTRUM RESOURCES**
Project: PIL
Attn: John Barakso

Date: AUG-22-95

*We hereby certify* the following Geochemical Analysis of 24 ROCK samples submitted MMM-DD-YY by .

| Sample Number | Total-Ba PPM |
|---|---|
| P2-03-F | 158 |
| P2-04-F | 823 |
| P2-05-R | 488 |
| P2-06-R | 47 |
| P2-07-R | 440 |
| P2-08-R | 594 |
| P2-09-F | 28 |
| P2-10-F | 572 |
| P2-11-F | 98 |
| P2-12A-V | 359 |
| P2-12B-V | 2280 |
| P2-12C-V | 593 |
| P2-13-F | 195 |
| P2-14-F | 521 |
| P2-15-F | 1000 |
| P2-16-F | 99 |
| P2-17-F | 73 |
| P10-01-R | 2840 |
| P10-02-F | 2900 |
| P10-03-F | 6300 |
| P10-04-R | 885 |
| P10-05-F | 407 |
| P12-01-F | 931 |
| P12-02-F | 1750 |

*Certified by* _____

MIN-EN LABORATORIES

MINERAL
•ENVIRONMENTS
LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
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FAX (604) 847-3005

## *Geochemical Analysis Certificate*

**5V-0305-RG2**

Company: **ELECTRUM RESOURCES**
Project: PIL
Attn: John Barakso

Date: AUG-22-95

*We hereby certify* the following Geochemical Analysis of ROCK samples submitted MMM-DD-YY by .

| Sample Number | Total Ba PPM |
|---|---|
| P12-03-R | 322 |
| P12-04-F | 1440 |
| P12-05-R | 5780 |
| P12-06-F | 14 |
| P12-07-R | 84 |
| P12-08-R | 126 |
| P6-01-R | 292 |
| P6-02-R | 228 |
| P6-03-R | 1760 |
| P6-04-R | 500 |
| P6-05-V | 54 |
| P6-06-R | 409 |
| P6-08-R | 1770 |
| P6-09-V | 100 |

*Certified by* _____

MIN-EN LABORATORIES

COMP: ELECTRUM RESOURCES
PROJ: PIL
ATTN: John Barakso

# MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5V-0305-SJ1+2
DATE: 95/08/22
* soil * (ACT:F31)

| SAMPLE NUMBER | AG PPM | AL % | AS PPM | BA PPM | BE PPM | BI PPM | CA % | CD PPM | CO PPM | CR PPM | CU PPM | FE % | GA PPM | K % | LI PPM | MG % | MN PPM | MO PPM | NA % | NI PPM | P PPM | PB PPM | SB PPM | SN PPM | SR PPM | TH PPM | TI % | U PPM | V PPM | W PPM | ZN PPM | Au-fire PPB | Hg PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L-P6-1 0000E | .4 | 1.17 | 1 | 302 | 1.1 | 7 | .07 | .1 | 3 | 2 | 24 | 3.09 | 1 | .22 | 3 | .17 | 168 | 5 | .02 | 9 | 800 | 70 | 1 | 1 | 71 | 1 | .02 | 1 | 23.2 | 1 | 38 | 6 | 40 |
| L-P6-1 0100E | .7 | 1.36 | 1 | 289 | 1.4 | 9 | .18 | .1 | 5 | 7 | 56 | 3.78 | 1 | .19 | 5 | .47 | 519 | 7 | .04 | 14 | 1140 | 232 | 1 | 2 | 141 | 1 | .03 | 1 | 35.6 | 1 | 79 | 30 | 25 |
| L-P6-1 0200E | .9 | 1.45 | 1 | 276 | 1.2 | 8 | .17 | .1 | 5 | 9 | 48 | 3.22 | 1 | .14 | 5 | .44 | 474 | 5 | .03 | 12 | 1050 | 191 | 1 | 2 | 109 | 1 | .03 | 1 | 35.0 | 1 | 76 | 14 | 25 |
| L-P6-1 0350E | .8 | 1.40 | 1 | 257 | 1.6 | 13 | .43 | .1 | 6 | 9 | 55 | 4.62 | 1 | .23 | 5 | .68 | 885 | 4 | .03 | 16 | 1580 | 415 | 2 | 2 | 115 | 1 | .05 | 1 | 36.8 | 1 | 138 | 31 | 10 |
| L-P6-1 0400E | 1.2 | 1.64 | 1 | 271 | 1.6 | 12 | .36 | .1 | 9 | 60 | 138 | 4.72 | 1 | .15 | 6 | .95 | 790 | 4 | .03 | 24 | 1460 | 301 | 1 | 2 | 143 | 1 | .08 | 1 | 68.3 | 4 | 150 | 22 | 10 |
| L-P6-1 0450E | .4 | 2.27 | 1 | 130 | 1.6 | 12 | .79 | .1 | 13 | 20 | 61 | 3.50 | 1 | .06 | 11 | .67 | 554 | 3 | .01 | 20 | 1150 | 85 | 7 | 2 | 45 | 1 | .05 | 1 | 67.8 | 2 | 132 | 23 | 45 |
| L-P6-1 0500E | .1 | 2.45 | 1 | 149 | 2.1 | 13 | 1.01 | .1 | 22 | 37 | 248 | 4.78 | 1 | .08 | 18 | .93 | 1223 | 8 | .02 | 30 | 1300 | 147 | 7 | 3 | 68 | 1 | .06 | 1 | 83.4 | 3 | 233 | 13 | 20 |
| L-P6-1 0550E | .1 | 1.56 | 1 | 106 | 1.2 | 8 | .47 | .1 | 11 | 22 | 66 | 2.86 | 1 | .05 | 10 | .49 | 640 | 4 | .01 | 16 | 880 | 89 | 3 | 2 | 35 | 1 | .04 | 1 | 63.6 | 2 | 128 | 15 | 50 |
| L-P6-1 0600E | 6.1 | 1.88 | 1 | 303 | 2.0 | 11 | .31 | .1 | 7 | 26 | 161 | 5.62 | 1 | .13 | 8 | .60 | 745 | 6 | .02 | 22 | 1780 | 378 | 2 | 2 | 89 | 1 | .03 | 1 | 49.0 | 2 | 150 | 30 | 25 |
| L-P6-1 0700E | .1 | 3.48 | 1 | 120 | 2.0 | 12 | 1.26 | .1 | 23 | 38 | 157 | 4.27 | 1 | .04 | 15 | 1.19 | 1011 | 7 | .01 | 30 | 1950 | 101 | 10 | 4 | 39 | 1 | .06 | 1 | 98.3 | 4 | 136 | 19 | 50 |
| L-P6-1 0800E | 2.5 | 3.32 | 1 | 216 | 3.7 | 1 | .64 | .1 | 23 | 72 | 1327 | 5.74 | 1 | .11 | 22 | .89 | 1523 | 6 | .02 | 46 | 2240 | 315 | 8 | 3 | 76 | 1 | .05 | 1 | 88.5 | 5 | 606 | 27 | 15 |
| L-P6-1 0900E | 3.5 | 2.48 | 1 | 299 | 2.1 | 14 | .28 | .1 | 13 | 61 | 142 | 5.75 | 1 | .11 | 8 | .79 | 830 | 5 | .03 | 29 | 1580 | 328 | 4 | 3 | 97 | 1 | .05 | 1 | 73.2 | 4 | 236 | 43 | 25 |
| L-P6-1 1000E | 1.8 | 3.31 | 1 | 210 | 2.7 | 17 | .89 | .1 | 34 | 105 | 274 | 6.69 | 1 | .09 | 14 | 1.32 | 1120 | 6 | .02 | 51 | 1290 | 275 | 8 | 4 | 91 | 1 | .10 | 1 | 135.0 | 7 | 615 | 25 | 10 |
| L-P6-1 1100E | .1 | 2.68 | 1 | 201 | 2.2 | 7 | .75 | .1 | 102 | 47 | 561 | 5.83 | 1 | .11 | 15 | 1.20 | 4178 | 8 | .02 | 47 | 1270 | 200 | 3 | 4 | 40 | 1 | .06 | 1 | 104.6 | 4 | 725 | 18 | 25 |
| L-P6-1 1200E | .1 | 2.60 | 1 | 167 | 2.2 | 8 | 1.01 | .1 | 61 | 46 | 429 | 5.22 | 1 | .12 | 18 | 1.27 | 2725 | 9 | .02 | 41 | 1340 | 182 | 3 | 5 | 56 | 1 | .07 | 1 | 96.1 | 4 | 797 | 15 | 30 |
| L-P6-1 1300E | .1 | 2.51 | 1 | 120 | 2.1 | 7 | .47 | .1 | 26 | 53 | 243 | 4.62 | 1 | .06 | 12 | 1.07 | 1110 | 7 | .01 | 30 | 1160 | 142 | 3 | 4 | 19 | 1 | .05 | 1 | 87.3 | 4 | 435 | 16 | 25 |
| L-P6-1 1400E | .1 | 1.72 | 1 | 171 | 1.9 | 13 | .54 | .1 | 24 | 26 | 155 | 5.68 | 1 | .11 | 11 | .88 | 2168 | 5 | .02 | 28 | 1630 | 227 | 1 | 5 | 33 | 1 | .07 | 1 | 61.6 | 2 | 303 | 21 | 50 |
| L-P6-1 1500E | .1 | 2.62 | 1 | 219 | 2.3 | 13 | 1.01 | .1 | 37 | 55 | 334 | 6.02 | 1 | .12 | 12 | 1.22 | 2109 | 10 | .02 | 35 | 1540 | 234 | 5 | 5 | 124 | 1 | .10 | 1 | 114.0 | 5 | 550 | 33 | 5 |
| L-P6-1 1600E | .1 | 2.30 | 1 | 173 | 2.3 | 17 | .89 | .1 | 32 | 52 | 291 | 6.02 | 1 | .11 | 13 | 1.26 | 1558 | 8 | .02 | 33 | 2100 | 198 | 3 | 6 | 98 | 1 | .11 | 1 | 114.9 | 5 | 651 | 23 | 10 |
| L-P6-1 1700E | .3 | 2.11 | 1 | 275 | 2.1 | 14 | .72 | .1 | 24 | 60 | 309 | 5.89 | 1 | .13 | 10 | 1.21 | 1524 | 7 | .03 | 33 | 1410 | 256 | 2 | 4 | 133 | 1 | .09 | 1 | 114.4 | 5 | 450 | 42 | 25 |
| L-P6-1 1800E | .1 | 2.17 | 1 | 203 | 1.5 | 9 | 1.03 | .1 | 15 | 13 | 118 | 3.22 | 1 | .11 | 13 | .88 | 1002 | 7 | .01 | 17 | 1420 | 98 | 6 | 2 | 71 | 1 | .05 | 1 | 57.6 | 2 | 376 | 5 | 25 |
| L-P6-1 1900E | .1 | 1.16 | 1 | 91 | 1.3 | 8 | .80 | .1 | 15 | 12 | 65 | 2.93 | 1 | .05 | 14 | .77 | 1151 | 3 | .01 | 16 | 840 | 77 | 2 | 2 | 41 | 1 | .05 | 1 | 59.7 | 2 | 234 | 6 | 20 |
| L-P6-1 2000E | .1 | 1.70 | 1 | 130 | 1.9 | 12 | 1.04 | .1 | 19 | 12 | 111 | 3.84 | 1 | .06 | 14 | .79 | 1529 | 7 | .01 | 22 | 1060 | 85 | 4 | 2 | 61 | 1 | .05 | 1 | 74.0 | 2 | 293 | 21 | 25 |
| L-P6-1 2100E | .1 | 1.70 | 1 | 136 | 1.6 | 9 | .76 | .1 | 17 | 9 | 137 | 3.48 | 1 | .09 | 8 | .82 | 1072 | 10 | .01 | 17 | 900 | 97 | 3 | 2 | 77 | 1 | .06 | 1 | 59.5 | 2 | 287 | 8 | 15 |
| L-P6-1 2200E | .3 | 2.81 | 1 | 260 | 2.0 | 10 | .80 | .1 | 19 | 14 | 369 | 4.55 | 1 | .09 | 1 | .94 | 1232 | 10 | .01 | 21 | 1070 | 131 | 6 | 2 | 63 | 1 | .07 | 1 | 89.4 | 2 | 368 | 9 | 15 |
| L-P6-1 2300E | 1.2 | 2.39 | 1 | 167 | 1.6 | 18 | .41 | .1 | 12 | 44 | 96 | 4.24 | 2 | .04 | 1 | .82 | 727 | 4 | .01 | 25 | 870 | 117 | 4 | 2 | 29 | 1 | .11 | 1 | 103.9 | 5 | 260 | 8 | 30 |
| L-P6-1 2400E | 1.0 | 3.70 | 1 | 146 | 1.8 | 15 | .32 | .1 | 21 | 32 | 121 | 4.79 | 1 | .06 | 1 | .56 | 881 | 19 | .01 | 22 | 1440 | 92 | 10 | 3 | 7 | 1 | .07 | 1 | 65.4 | 3 | 193 | 15 | 75 |
| L-P6-1 2500E | .1 | 1.83 | 1 | 143 | 1.7 | 13 | .44 | .1 | 93 | 16 | 159 | 4.96 | 1 | .07 | 1 | .67 | 3137 | 30 | .01 | 26 | 1150 | 125 | 3 | 3 | 55 | 1 | .05 | 1 | 59.9 | 2 | 208 | 13 | 45 |
| L-P10-1 0000E | .1 | 1.25 | 1 | 180 | 1.4 | 10 | .12 | .1 | 8 | 1 | 28 | 4.04 | 1 | .07 | 1 | .19 | 810 | 5 | .01 | 16 | 2960 | 167 | 2 | 2 | 22 | 1 | .02 | 1 | 47.4 | 1 | 92 | 7 | 70 |
| L-P10-1 0100E | .1 | 1.57 | 1 | 113 | 1.0 | 6 | .03 | .1 | 5 | 1 | 25 | 2.91 | 1 | .06 | 1 | .13 | 533 | 4 | .01 | 11 | 1370 | 60 | 3 | 1 | 1 | 1 | .01 | 1 | 45.2 | 1 | 54 | 3 | 45 |
| L-P10-1 0200E | .1 | 2.16 | 1 | 118 | 1.7 | 11 | .26 | .1 | 12 | 1 | 52 | 4.45 | 1 | .08 | 1 | .55 | 1692 | 6 | .01 | 19 | 1820 | 161 | 4 | 2 | 1 | 1 | .04 | 1 | 70.2 | 1 | 153 | 260 | 40 |
| L-P10-1 0300E | .5 | 1.68 | 1 | 237 | 1.4 | 9 | .08 | .1 | 5 | 1 | 56 | 4.23 | 1 | .14 | 1 | .21 | 328 | 7 | .01 | 12 | 1610 | 64 | 1 | 3 | 1 | 1 | .02 | 1 | 56.5 | 1 | 63 | 172 | 70 |
| L-P10-1 0400E | .1 | 1.77 | 1 | 364 | 1.5 | 8 | .28 | .1 | 6 | 2 | 108 | 4.03 | 1 | .23 | 1 | .34 | 347 | 7 | .03 | 15 | 1950 | 59 | 1 | 2 | 56 | 1 | .02 | 1 | 47.7 | 1 | 68 | 61 | 85 |
| L-P10-1 0500E | .5 | 2.01 | 1 | 518 | 1.8 | 14 | .37 | .1 | 7 | 1 | 148 | 5.24 | 1 | .21 | 1 | .38 | 390 | 15 | .03 | 14 | 1490 | 73 | 4 | 2 | 80 | 1 | .04 | 1 | 52.6 | 1 | 60 | 70 | 40 |
| L-P10-1 0600E | .6 | 2.03 | 1 | 341 | 2.0 | 13 | .27 | .1 | 8 | 1 | 82 | 5.60 | 1 | .18 | 1 | .45 | 449 | 6 | .04 | 17 | 2150 | 84 | 3 | 2 | 95 | 1 | .03 | 1 | 63.8 | 1 | 78 | 55 | 5 |
| L-P10-1 0700E | 1.4 | 2.04 | 1 | 298 | 1.4 | 10 | .23 | .1 | 6 | 3 | 100 | 4.31 | 1 | .12 | 1 | .44 | 252 | 8 | .02 | 16 | 1700 | 67 | 4 | 3 | 22 | 1 | .02 | 1 | 50.5 | 1 | 73 | 60 | 50 |
| L-P10-1 0800E | .1 | 1.67 | 1 | 269 | 1.5 | 10 | .23 | .1 | 9 | 1 | 67 | 4.21 | 1 | .10 | 1 | .43 | 860 | 8 | .01 | 14 | 1180 | 61 | 3 | 2 | 22 | 1 | .03 | 1 | 48.7 | 1 | 95 | 11 | 45 |
| L-P10-1 0900E | .3 | 2.64 | 1 | 196 | 1.8 | 13 | .10 | .1 | 8 | 7 | 66 | 4.71 | 1 | .09 | 1 | .52 | 320 | 7 | .02 | 21 | 1970 | 63 | 5 | 4 | 1 | 1 | .05 | 1 | 60.7 | 1 | 104 | 29 | 40 |
| L-P10-1 1000E | .5 | 1.51 | 1 | 211 | 1.2 | 8 | .02 | .1 | 4 | 2 | 32 | 3.49 | 3 | .08 | 1 | .17 | 185 | 6 | .01 | 10 | 1200 | 64 | 4 | 1 | 1 | 1 | .02 | 1 | 48.5 | 1 | 41 | 64 | 30 |
| L-P10-1 1100E | .2 | 1.89 | 1 | 119 | 1.3 | 9 | .06 | .1 | 7 | 6 | 57 | 3.49 | 3 | .04 | 1 | .38 | 250 | 9 | .01 | 15 | 440 | 39 | 4 | 1 | 1 | 1 | .02 | 1 | 66.5 | 1 | 73 | 15 | 30 |
| L-P10-1 1200E | 1.5 | 2.01 | 1 | 164 | 1.4 | 4 | .19 | .1 | 5 | 8 | 134 | 2.10 | 2 | .05 | 1 | .40 | 272 | 9 | .01 | 13 | 1230 | 26 | 6 | 1 | 1 | 1 | .02 | 1 | 31.1 | 1 | 83 | 18 | 65 |
| L-P10-1 1300E | .1 | 2.05 | 1 | 155 | 1.9 | 11 | .18 | .1 | 8 | 8 | 65 | 3.89 | 3 | .06 | 1 | .36 | 468 | 11 | .01 | 16 | 870 | 55 | 5 | 1 | 1 | 1 | .04 | 1 | 49.7 | 2 | 110 | 8 | 35 |
| L-P10-1 1400E | .1 | 2.28 | 1 | 130 | 1.4 | 9 | .11 | .1 | 11 | 6 | 60 | 3.70 | 1 | .05 | 1 | .46 | 917 | 8 | .01 | 18 | 850 | 52 | 5 | 1 | 1 | 1 | .04 | 1 | 56.4 | 2 | 132 | 8 | 70 |
| L-P10-1 1500E | .1 | 1.84 | 1 | 109 | 1.3 | 7 | .27 | .1 | 9 | 5 | 66 | 3.09 | 1 | .05 | 1 | .55 | 504 | 7 | .01 | 14 | 870 | 45 | 4 | 2 | 1 | 1 | .03 | 1 | 45.6 | 1 | 122 | 25 | 40 |
| L-P10-1 1600E | .1 | 2.10 | 1 | 376 | 1.8 | 10 | 1.03 | .1 | 14 | 3 | 41 | 4.28 | 1 | .05 | 2 | .53 | 709 | 15 | .01 | 14 | 720 | 74 | 4 | 3 | 1 | 1 | .02 | 1 | 55.9 | 1 | 130 | 4 | 35 |
| L-P10-1 1700E | .3 | 1.24 | 1 | 50 | .7 | 8 | .09 | .1 | 5 | 3 | 11 | 2.31 | 4 | .02 | 1 | .16 | 287 | 3 | .01 | 7 | 430 | 28 | 4 | 1 | 1 | 1 | .03 | 1 | 54.8 | 1 | 32 | 1 | 15 |
| L-P10-1 1800E | .1 | 1.92 | 1 | 108 | 1.6 | 10 | .10 | .1 | 12 | 1 | 24 | 4.77 | 1 | .08 | 1 | .42 | 930 | 25 | .01 | 16 | 1130 | 108 | 2 | 3 | 1 | 1 | .02 | 1 | 41.7 | 1 | 76 | 34 | 45 |
| L-P10-1 1900E | .1 | 2.32 | 1 | 154 | 1.5 | 11 | 1.03 | .1 | 18 | 2 | 87 | 3.62 | 1 | .06 | 1 | .74 | 747 | 17 | .01 | 15 | 990 | 131 | 5 | 3 | 27 | 1 | .05 | 1 | 56.0 | 1 | 143 | 10 | 15 |

COMP: ELECTRUM RESOURCES
PROJ: PIL
ATTN: John Barakso

# MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5V-0305-SJ3+4
DATE: 95/08/22
* soil * (ACT:F31)

| SAMPLE NUMBER | AG PPM | AL % | AS PPM | BA PPM | BE PPM | BI PPM | CA % | CD PPM | CO PPM | CR PPM | CU PPM | FE % | GA PPM | K % | LI PPM | MG % | MN PPM | MO PPM | NA % | NI PPM | P PPM | PB PPM | SB PPM | SN PPM | SR PPM | TH PPM | TI % | U PPM | V PPM | W PPM | ZN PPM | Au-fire PPB | Hg PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L-P10-1 2000E | .1 | 2.94 | 1 | 136 | 1.6 | 12 | .39 | .1 | 8 | 4 | 31 | 3.59 | 1 | .06 | 10 | .43 | 377 | 6 | .01 | 11 | 920 | 48 | 5 | 2 | 1 | 1 | .05 | 1 | 62.9 | 1 | 70 | 5 | 50 |
| L-P10-1 2100E | .1 | 1.85 | 1 | 130 | 1.1 | 9 | .41 | .1 | 8 | 6 | 35 | 2.65 | 1 | .05 | 9 | .44 | 377 | 6 | .01 | 10 | 940 | 38 | 4 | 2 | 1 | 1 | .04 | 1 | 53.7 | 1 | 70 | 19 | 45 |
| L-P10-1 2200E | .1 | 2.18 | 1 | 182 | 1.7 | 11 | .75 | .1 | 18 | 4 | 69 | 3.76 | 1 | .10 | 11 | .76 | 858 | 10 | .01 | 16 | 1090 | 64 | 3 | 3 | 22 | 1 | .05 | 1 | 62.2 | 1 | 162 | 40 | 25 |
| L-P10-1 2300E | .2 | 2.93 | 1 | 65 | 1.4 | 13 | .12 | .1 | 6 | 3 | 23 | 3.93 | 1 | .08 | 8 | .23 | 282 | 5 | .02 | 12 | 1130 | 43 | 5 | 2 | 1 | 1 | .06 | 1 | 55.2 | 1 | 52 | 7 | 65 |
| L-P10-1 2400E | 1.6 | 1.38 | 1 | 68 | 1.0 | 8 | .07 | .1 | 5 | 2 | 37 | 3.73 | 1 | .07 | 2 | .14 | 175 | 7 | .02 | 11 | 920 | 49 | 1 | 3 | 1 | 1 | .03 | 1 | 66.1 | 1 | 35 | 51 | 30 |
| L-P10-1 2500E | .1 | 1.81 | 1 | 122 | 2.0 | 13 | .13 | .1 | 9 | 2 | 72 | 6.26 | 1 | .12 | 7 | .41 | 599 | 11 | .01 | 16 | 1270 | 92 | 1 | 4 | 1 | 1 | .03 | 1 | 48.9 | 1 | 93 | 12 | 40 |
| L-P10-1 2600E | .1 | 1.98 | 1 | 112 | 1.3 | 6 | .38 | .1 | 6 | 3 | 43 | 2.72 | 1 | .08 | 12 | .22 | 413 | 6 | .02 | 6 | 980 | 40 | 2 | 2 | 1 | 1 | .03 | 1 | 42.5 | 1 | 85 | 21 | 95 |
| L-P10-1 2700E | .1 | 1.06 | 1 | 59 | 1.2 | 10 | .24 | .1 | 9 | 3 | 30 | 3.43 | 1 | .06 | 8 | .63 | 629 | 4 | .01 | 13 | 550 | 63 | 1 | 2 | 1 | 1 | .06 | 1 | 64.0 | 1 | 87 | 10 | 45 |
| L-P10-2 0000E | .1 | 1.20 | 1 | 164 | 1.0 | 8 | .04 | .1 | 4 | 2 | 71 | 2.78 | 1 | .10 | 4 | .20 | 217 | 3 | .02 | 8 | 1250 | 63 | 1 | 2 | 1 | 1 | .01 | 1 | 35.4 | 1 | 57 | 7 | 50 |
| L-P10-2 0100E | .1 | 1.02 | 1 | 344 | 1.5 | 8 | .09 | .1 | 7 | 1 | 88 | 4.63 | 1 | .30 | 4 | .24 | 441 | 14 | .08 | 13 | 1510 | 68 | 1 | 3 | 53 | 1 | .01 | 1 | 28.6 | 1 | 71 | 23 | 45 |
| L-P10-2 0200E | .3 | .93 | 1 | 407 | 1.4 | 4 | .03 | .1 | 5 | 1 | 254 | 4.11 | 1 | .29 | 2 | .34 | 301 | 18 | .03 | 11 | 1070 | 53 | 1 | 2 | 8 | 1 | .01 | 1 | 32.1 | 1 | 67 | 116 | 30 |
| L-P10-2 0300E | .1 | 1.47 | 1 | 331 | 1.5 | 9 | .09 | .1 | 4 | 1 | 80 | 4.20 | 1 | .16 | 3 | .12 | 146 | 69 | .02 | 10 | 1210 | 49 | 1 | 2 | 26 | 1 | .01 | 1 | 16.0 | 1 | 38 | 152 | 30 |
| L-P10-2 0400E | .1 | 1.53 | 1 | 407 | 1.4 | 8 | .08 | .1 | 4 | 2 | 93 | 4.02 | 2 | .17 | 4 | .31 | 235 | 62 | .03 | 13 | 1460 | 51 | 1 | 2 | 51 | 1 | .01 | 1 | 31.3 | 1 | 40 | 84 | 30 |
| L-P10-2 0500E | .1 | 1.68 | 1 | 763 | 1.4 | 7 | .11 | .1 | 5 | 3 | 108 | 4.59 | 1 | .41 | 5 | .35 | 201 | 13 | .07 | 14 | 2050 | 53 | 1 | 2 | 58 | 1 | .01 | 1 | 39.7 | 1 | 37 | 37 | 25 |
| L-P10-2 0600E | .1 | 2.15 | 1 | 189 | 1.4 | 6 | .10 | .1 | 6 | 4 | 71 | 3.90 | 1 | .08 | 10 | .29 | 227 | 10 | .01 | 13 | 1090 | 47 | 1 | 2 | 1 | 1 | .01 | 1 | 51.8 | 1 | 56 | 16 | 70 |
| L-P10-2 0700E | .1 | 1.41 | 1 | 106 | 1.3 | 7 | .26 | .1 | 8 | 7 | 67 | 3.08 | 1 | .05 | 11 | .50 | 441 | 6 | .01 | 13 | 720 | 45 | 1 | 2 | 1 | 1 | .02 | 1 | 52.2 | 1 | 79 | 9 | 55 |
| L-P10-2 0800E | .4 | 1.88 | 1 | 251 | 1.9 | 11 | .14 | .1 | 9 | 6 | 90 | 5.22 | 1 | .09 | 12 | .52 | 421 | 11 | .01 | 16 | 1200 | 75 | 1 | 3 | 1 | 1 | .03 | 1 | 58.3 | 1 | 75 | 54 | 80 |
| L-P10-2 0900E | .1 | 2.02 | 1 | 233 | 1.8 | 12 | .09 | .1 | 8 | 1 | 95 | 5.50 | 1 | .14 | 7 | .45 | 435 | 13 | .02 | 14 | 1290 | 73 | 1 | 4 | 1 | 1 | .05 | 1 | 47.1 | 1 | 70 | 112 | 25 |
| L-P10-2 1000E | .1 | 1.52 | 1 | 95 | 1.3 | 9 | .10 | .1 | 7 | 5 | 34 | 3.68 | 1 | .03 | 6 | .39 | 355 | 6 | .01 | 13 | 810 | 62 | 1 | 2 | 1 | 1 | .03 | 1 | 64.6 | 1 | 65 | 8 | 30 |
| L-P10-2 1100E | .1 | 1.76 | 1 | 88 | 1.4 | 14 | .16 | .1 | 10 | 3 | 28 | 4.31 | 1 | .03 | 11 | .66 | 477 | 6 | .01 | 15 | 630 | 60 | 1 | 3 | 1 | 1 | .08 | 1 | 68.0 | 1 | 96 | 10 | 35 |
| L-P10-2 1200E | .2 | 1.61 | 1 | 99 | 1.0 | 9 | .12 | .1 | 5 | 7 | 37 | 2.43 | 1 | .05 | 6 | .33 | 398 | 7 | .01 | 11 | 1010 | 47 | 2 | 1 | 1 | 1 | .02 | 1 | 37.3 | 1 | 69 | 26 | 55 |
| L-P10-2 1300E | .1 | 2.43 | 1 | 86 | 1.5 | 10 | .18 | .1 | 8 | 5 | 43 | 3.34 | 1 | .05 | 12 | .52 | 596 | 5 | .01 | 13 | 1000 | 44 | 3 | 2 | 1 | 1 | .03 | 1 | 42.2 | 1 | 110 | 6 | 65 |
| L-P10-2 1400E | .1 | 2.09 | 1 | 93 | 1.3 | 8 | .24 | .1 | 10 | 1 | 59 | 3.17 | 1 | .04 | 7 | .30 | 1555 | 9 | .01 | 14 | 3020 | 41 | 2 | 2 | 1 | 1 | .02 | 1 | 41.2 | 1 | 63 | 7 | 120 |
| L-P10-2 1500E | .1 | 2.71 | 1 | 119 | 1.6 | 11 | .26 | .1 | 11 | 8 | 68 | 3.67 | 1 | .05 | 17 | .72 | 673 | 5 | .01 | 19 | 1000 | 57 | 4 | 2 | 1 | 1 | .04 | 1 | 57.9 | 1 | 143 | 6 | 85 |
| L-P10-2 1600E | .1 | 2.29 | 1 | 235 | 1.5 | 5 | .71 | .1 | 10 | 7 | 82 | 2.89 | 1 | .07 | 23 | .72 | 581 | 5 | .01 | 15 | 1090 | 46 | 2 | 3 | 1 | 1 | .02 | 1 | 44.5 | 1 | 144 | 7 | 20 |
| L-P10-2 1700E | .1 | 1.46 | 1 | 250 | 1.5 | 4 | 2.03 | 4.0 | 8 | 1 | 60 | 1.95 | 1 | .04 | 9 | .29 | 2947 | 11 | .01 | 17 | 2380 | 54 | 1 | 2 | 72 | 1 | .02 | 1 | 42.1 | 1 | 341 | 6 | 70 |
| L-P10-2 1800E | .1 | 2.22 | 1 | 118 | 1.5 | 9 | .23 | .1 | 10 | 9 | 54 | 3.73 | 1 | .06 | 18 | .72 | 618 | 7 | .02 | 18 | 870 | 70 | 3 | 3 | 1 | 1 | .04 | 1 | 71.1 | 1 | 153 | 8 | 5 |
| L-P10-2 1900E | .1 | 1.65 | 1 | 120 | 1.5 | 7 | .49 | .1 | 10 | 3 | 38 | 2.94 | 1 | .06 | 13 | .65 | 1003 | 4 | .01 | 15 | 1110 | 97 | 2 | 3 | 5 | 1 | .03 | 1 | 64.0 | 1 | 155 | 1 | 45 |
| L-P10-2 2000E | .1 | .95 | 1 | 110 | 1.0 | 7 | .25 | .1 | 7 | 2 | 17 | 2.39 | 1 | .06 | 5 | .34 | 545 | 5 | .01 | 8 | 610 | 68 | 1 | 1 | 1 | 1 | .05 | 1 | 64.8 | 1 | 92 | 6 | 5 |
| L-P10-2 2100E | .1 | 1.48 | 1 | 75 | 1.6 | 12 | .33 | .1 | 11 | 7 | 22 | 4.47 | 1 | .06 | 8 | .43 | 824 | 4 | .01 | 19 | 790 | 89 | 1 | 2 | 1 | 1 | .07 | 1 | 92.8 | 1 | 161 | 2 | 25 |
| L-P10-2 2200E | .7 | 1.84 | 1 | 297 | 1.8 | 11 | .04 | .1 | 6 | 1 | 37 | 5.37 | 1 | .19 | 7 | .30 | 203 | 3 | .06 | 16 | 1240 | 102 | 1 | 4 | 12 | 1 | .01 | 1 | 26.9 | 1 | 90 | 16 | 30 |
| L-P10-2 2300E | .8 | 2.87 | 1 | 336 | 2.1 | 15 | .10 | .1 | 9 | 11 | 59 | 5.90 | 1 | .16 | 10 | .53 | 367 | 6 | .03 | 23 | 1550 | 107 | 3 | 3 | 1 | 1 | .04 | 1 | 52.2 | 1 | 103 | 34 | 25 |
| L-P10-2 2400E | .5 | 1.71 | 1 | 472 | 2.2 | 13 | .07 | .1 | 8 | 1 | 49 | 7.15 | 1 | .32 | 4 | .38 | 342 | 4 | .08 | 19 | 1650 | 108 | 1 | 4 | 29 | 1 | .02 | 1 | 35.5 | 1 | 100 | 41 | 5 |
| L-P10-2 2500E | .9 | 3.52 | 1 | 274 | 1.8 | 12 | .07 | .1 | 7 | 1 | 35 | 4.88 | 1 | .11 | 10 | .42 | 298 | 4 | .08 | 13 | 1550 | 61 | 8 | 4 | 1 | 1 | .02 | 1 | 44.9 | 1 | 100 | 21 | 65 |
| L-P12-1 0000W | 1.2 | 2.17 | 1 | 98 | 1.5 | 12 | .26 | .1 | 8 | 28 | 47 | 3.72 | 3 | .04 | 7 | .46 | 356 | 3 | .01 | 17 | 1510 | 77 | 3 | 2 | 1 | 1 | .06 | 1 | 95.1 | 2 | 99 | 5 | 30 |
| L-P12-1 0100W | .9 | 1.40 | 1 | 145 | 1.3 | 10 | .23 | .1 | 7 | 18 | 42 | 3.36 | 3 | .07 | 5 | .40 | 338 | 3 | .02 | 13 | 780 | 106 | 1 | 2 | 19 | 1 | .04 | 1 | 84.8 | 1 | 90 | 7 | 10 |
| L-P12-1 0200W | .6 | 2.32 | 1 | 172 | 1.8 | 10 | .29 | .1 | 10 | 27 | 76 | 4.62 | 1 | .06 | 15 | .68 | 509 | 4 | .01 | 20 | 1090 | 115 | 3 | 2 | 6 | 1 | .06 | 1 | 78.6 | 2 | 180 | 7 | 30 |
| L-P12-1 0300W | .6 | 1.67 | 1 | 127 | 1.6 | 12 | .26 | .1 | 9 | 24 | 53 | 4.21 | 1 | .05 | 11 | .62 | 482 | 4 | .01 | 24 | 610 | 110 | 1 | 3 | 19 | 1 | .05 | 1 | 70.0 | 1 | 129 | 21 | 20 |
| L-P12-1 0400W | 1.1 | 2.25 | 1 | 182 | 1.7 | 14 | .29 | .1 | 9 | 23 | 66 | 4.96 | 1 | .06 | 11 | .50 | 470 | 5 | .01 | 22 | 1870 | 114 | 1 | 4 | 10 | 1 | .07 | 1 | 90.7 | 1 | 128 | 7 | 45 |
| L-P12-1 0500W | .7 | 2.02 | 1 | 200 | 1.3 | 17 | .21 | .1 | 17 | 19 | 78 | 3.26 | 1 | .07 | 8 | .53 | 421 | 7 | .02 | 19 | 560 | 120 | 4 | 2 | 27 | 1 | .04 | 1 | 51.3 | 1 | 130 | 29 | 45 |
| L-P12-1 0600W | .8 | 2.94 | 1 | 206 | 2.3 | 17 | .34 | .1 | 12 | 27 | 90 | 5.59 | 1 | .07 | 18 | .70 | 559 | 6 | .02 | 23 | 890 | 158 | 4 | 4 | 6 | 1 | .09 | 1 | 83.4 | 2 | 199 | 9 | 50 |
| L-P12-1 0700W | 1.8 | 5.57 | 1 | 144 | 2.1 | 23 | .40 | .1 | 15 | 25 | 72 | 5.18 | 1 | .04 | 11 | .47 | 569 | 5 | .01 | 23 | 1230 | 122 | 19 | 4 | 1 | 1 | .13 | 1 | 58.7 | 2 | 137 | 9 | 115 |
| L-P12-1 0800W | 1.4 | 2.50 | 1 | 173 | 1.8 | 19 | .63 | .1 | 14 | 10 | 59 | 5.09 | 1 | .07 | 15 | .58 | 744 | 8 | .01 | 21 | 1100 | 114 | 2 | 2 | 85 | 1 | .13 | 1 | 103.5 | 1 | 322 | 8 | 40 |
| L-P12-1 0900W | .5 | 3.29 | 1 | 113 | 2.6 | 18 | .62 | .1 | 23 | 25 | 486 | 6.77 | 1 | .07 | 14 | 1.12 | 1156 | 7 | .01 | 30 | 1280 | 128 | 4 | 6 | 12 | 1 | .16 | 1 | 144.8 | 3 | 441 | 13 | 30 |
| L-P12-1 1000W | 1.4 | 2.85 | 1 | 81 | 2.2 | 16 | .68 | .1 | 16 | 34 | 351 | 5.59 | 1 | .06 | 11 | .89 | 702 | 8 | .01 | 27 | 1020 | 114 | 4 | 4 | 18 | 1 | .14 | 1 | 132.5 | 3 | 428 | 10 | 40 |
| L-P12-1 1100W | 2.3 | 3.51 | 1 | 66 | 2.4 | 15 | .99 | .1 | 22 | 17 | 595 | 6.38 | 1 | .06 | 12 | 1.28 | 970 | 10 | .01 | 28 | 1520 | 114 | 5 | 6 | 11 | 1 | .19 | 1 | 160.0 | 3 | 686 | 20 | 35 |
| L-P12-1 1200W | .1 | 4.60 | 1 | 116 | 2.3 | 19 | 1.87 | .1 | 116 | 32 | 261 | 6.14 | 1 | .07 | 9 | 1.13 | 3650 | 5 | .02 | 44 | 840 | 109 | 12 | 5 | 41 | 1 | .12 | 1 | 153.8 | 5 | 712 | 5 | 20 |
| L-P12-1 1300W | .1 | 5.78 | 1 | 60 | 2.4 | 18 | 4.07 | .1 | 127 | 16 | 312 | 6.18 | 1 | .11 | 5 | .61 | 2190 | 9 | .01 | 37 | 1500 | 91 | 21 | 4 | 90 | 1 | .11 | 1 | 114.9 | 4 | 578 | 10 | 30 |

COMP: ELECTRUM RESOURCES
PROJ: PIL
ATTN: John Barakso

# MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5V-0305-SJ5
DATE: 95/08/22
* soil * (ACT:F31)

| SAMPLE NUMBER | AG PPM | AL % | AS PPM | BA PPM | BE PPM | BI PPM | CA % | CD PPM | CO PPM | CR PPM | CU PPM | FE % | GA PPM | K % | LI PPM | MG % | MN PPM | MO PPM | NA % | NI PPM | P PPM | PB PPM | SB PPM | SN PPM | SR PPM | TH PPM | TI % | U PPM | V PPM | W PPM | ZN PPM | Au-fire PPB | Hg PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L-P12-1 1400W | 1.9 | 3.29 | 1 | 107 | 4.0 | 30 | .66 | .1 | 46 | 105 | 755 | 12.70 | 1 | .10 | 12 | 1.67 | 1424 | 10 | .04 | 50 | 1960 | 365 | 1 | 7 | 222 | 1 | .19 | 1 | 235.1 | 6 | 855 | 112 | 50 |
| L-P12-1 1500W | .2 | 4.19 | 1 | 90 | 3.1 | 16 | 1.58 | .1 | 110 | 82 | 890 | 8.25 | 1 | .08 | 13 | 1.59 | 2194 | 7 | .02 | 58 | 1410 | 330 | 6 | 7 | 73 | 1 | .11 | 1 | 161.3 | 6 | 1050 | 40 | 100 |
| L-P12-1 1600W | 3.0 | 2.94 | 1 | 108 | 2.2 | 15 | .43 | .1 | 17 | 141 | 331 | 6.31 | 1 | .05 | 12 | 1.21 | 716 | 3 | .01 | 46 | 940 | 175 | 1 | 4 | 4 | 1 | .11 | 1 | 122.2 | 8 | 339 | 4 | 80 |
| L-P12-1 1700W | .4 | 2.85 | 1 | 163 | 2.5 | 16 | .47 | .1 | 38 | 128 | 300 | 6.44 | 1 | .10 | 12 | 1.50 | 1469 | 3 | .02 | 53 | 1580 | 222 | 1 | 5 | 82 | 1 | .11 | 1 | 133.8 | 7 | 331 | 14 | 80 |
| L-P12-1 1800W | .1 | 2.07 | 1 | 141 | 1.8 | 13 | .31 | .1 | 17 | 122 | 124 | 5.02 | 1 | .06 | 10 | .92 | 977 | 2 | .02 | 41 | 1220 | 180 | 1 | 3 | 34 | 1 | .07 | 1 | 112.5 | 7 | 274 | 17 | 10 |
| L-P12-1 1900W | 2.6 | 3.91 | 1 | 71 | 2.7 | 20 | .44 | .1 | 33 | 337 | 160 | 6.92 | 1 | .05 | 15 | 2.24 | 558 | 1 | .02 | 91 | 920 | 319 | 3 | 6 | 20 | 1 | .13 | 1 | 137.6 | 19 | 940 | 1 | 10 |
| L-P12-1 2000W | 8.3 | 3.71 | 1 | 99 | 3.6 | 14 | .28 | .1 | 18 | 515 | 919 | 11.67 | 1 | .10 | 11 | 1.72 | 900 | 1 | .04 | 50 | 1870 | 2311 | 1 | 8 | 85 | 1 | .08 | 1 | 206.4 | 26 | 260 | 295 | 20 |

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VANCOUVER, B.C. CANADA V5X 4E8
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**SMITHERS LAB:**
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TEL (604) 847-3004
FAX (604) 847-3005

# *Geochemical Analysis Certificate*

**5V-0305-SG1**

Company: **ELECTRUM RESOURCES**
Project: PIL
Attn: John Barakso

Date: AUG-22-95

*We hereby certify* the following Geochemical Analysis of 24 SOIL samples submitted MMM-DD-YY by .

| Sample Number | Total Ba PPM |
|---|---|
| L-P6-1 0000E | 1210 |
| L-P6-1 0100E | 1220 |
| L-P6-1 0200E | 1200 |
| L-P6-1 0350E | 1400 |
| L-P6-1 0400E | 1070 |
| L-P6-1 0450E | 1180 |
| L-P6-1 0500E | 875 |
| L-P6-1 0550E | 825 |
| L-P6-1 0600E | 1160 |
| L-P6-1 0700E | 607 |
| L-P6-1 0800E | 742 |
| L-P6-1 0900E | 1110 |
| L-P6-1 1000E | 637 |
| L-P6-1 1100E | 716 |
| L-P6-1 1200E | 718 |
| L-P6-1 1300E | >10000 |
| L-P6-1 1400E | 990 |
| L-P6-1 1500E | 900 |
| L-P6-1 1600E | 831 |
| L-P6-1 1700E | 999 |
| L-P6-1 1800E | 1360 |
| L-P6-1 1900E | 1030 |
| L-P6-1 2000E | 1020 |
| L-P6-1 2100E | 1100 |

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**SMITHERS LAB:**
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SMITHERS, B.C. CANADA V0J 2N0
TEL (604) 847-3004
FAX (604) 847-3005

## *Geochemical Analysis Certificate*

**5V-0305-SG2**

Company: **ELECTRUM RESOURCES** Date: AUG-22-95
Project: PIL
Attn: John Barakso

*We hereby certify* the following Geochemical Analysis of 24 SOIL samples submitted MMM-DD-YY by .

| Sample Number | Total Ba PPM |
|---|---|
| L-P6-1 2200E | 1080 |
| L-P6-1 2300E | 1030 |
| L-P6-1 2400E | 880 |
| L-P6-1 2500E | 1200 |
| L-P10-1 0000E | 696 |
| L-P10-1 0100E | 919 |
| L-P10-1 0200E | 995 |
| L-P10-1 0300E | 1110 |
| L-P10-1 0400E | 1380 |
| L-P10-1 0500E | 2390 |
| L-P10-1 0600E | 1350 |
| L-P10-1 0700E | 1200 |
| L-P10-1 0800E | 976 |
| L-P10-1 0900E | 1060 |
| L-P10-1 1000E | 1050 |
| L-P10-1 1100E | 848 |
| L-P10-1 1200E | 909 |
| L-P10-1 1300E | 859 |
| L-P10-1 1400E | 854 |
| L-P10-1 1500E | 1060 |
| L-P10-1 1600E | 1320 |
| L-P10-1 1700E | 660 |
| L-P10-1 1800E | 795 |
| L-P10-1 1900E | 1470 |

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FAX (604) 847-3005

## *Geochemical Analysis Certificate*

**5V-0305-SG3**

Company: **ELECTRUM RESOURCES**
Project: PIL
Attn: John Barakso

Date: AUG-22-95

*We hereby certify* the following Geochemical Analysis of 24 SOIL samples submitted MMM-DD-YY by .

| Sample Number | Total Ba PPM |
|---|---|
| L-P10-1 2000E | 849 |
| L-P10-1 2100E | 1060 |
| L-P10-1 2200E | 1260 |
| L-P10-1 2300E | 544 |
| L-P10-1 2400E | 726 |
| L-P10-1 2500E | 806 |
| L-P10-1 2600E | 595 |
| L-P10-1 2700E | 882 |
| L-P10-2 0000E | 872 |
| L-P10-2 0100E | 1370 |
| L-P10-2 0200E | 1450 |
| L-P10-2 0300E | 1200 |
| L-P10-2 0400E | 1300 |
| L-P10-2 0500E | 1950 |
| L-P10-2 0600E | 730 |
| L-P10-2 0700E | 844 |
| L-P10-2 0800E | 1100 |
| L-P10-2 0900E | 1110 |
| L-P10-2 1000E | 795 |
| L-P10-2 1100E | 882 |
| L-P10-2 1200E | 783 |
| L-P10-2 1300E | 789 |
| L-P10-2 1400E | 638 |
| L-P10-2 1500E | 927 |

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FAX (604) 847-3005

## *Geochemical Analysis Certificate*

**5V-0305-SG4**

Company: **ELECTRUM RESOURCES** Date: AUG-22-95
Project: PIL
Attn: John Barakso

*We hereby certify* the following Geochemical Analysis of 24 SOIL samples submitted MMM-DD-YY by .

| Sample Number | Total Ba PPM |
|---|---|
| L-P10-2 1600E | 961 |
| L-P10-2 1700E | 743 |
| L-P10-2 1800E | 1020 |
| L-P10-2 1900E | 1120 |
| L-P10-2 2000E | 1170 |
| L-P10-2 2100E | 583 |
| L-P10-2 2200E | 930 |
| L-P10-2 2300E | 879 |
| L-P10-2 2400E | 1140 |
| L-P10-2 2500E | 681 |
| L-P12-1 0000W | 741 |
| L-P12-1 0100W | 843 |
| L-P12-1 0200W | 851 |
| L-P12-1 0300W | 857 |
| L-P12-1 0400W | 815 |
| L-P12-1 0500W | 879 |
| L-P12-1 0600W | 808 |
| L-P12-1 0700W | 377 |
| L-P12-1 0800W | 973 |
| L-P12-1 0900W | 764 |
| L-P12-1 1000W | 713 |
| L-P12-1 1100W | n/s |
| L-P12-1 1200W | 374 |
| L-P12-1 1300W | 94 |

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(DIVISION OF ASSAYERS CORP.)

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CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

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## *Geochemical Analysis Certificate*

**5V-0305-SG5**

Company: **ELECTRUM RESOURCES** Date: AUG-22-95
Project: PIL
Attn: John Barakso

*We hereby certify* the following Geochemical Analysis of 7 SOIL samples submitted MMM-DD-YY by .

| Sample Number | Total Ba PPM |
|---|---|
| L-P12-1 1400W | 318 |
| L-P12-1 1500W | 341 |
| L-P12-1 1600W | 612 |
| L-P12-1 1700W | 793 |
| L-P12-1 1800W | 717 |
| L-P12-1 1900W | 361 |
| L-P12-1 2000W | 361 |

*Certified by* _____

MIN-EN LABORATORIES

COMP: BARASKO CONSULTANTS
PROJ: PILLAR CREEK
ATTN: JOHN BARASKO

# MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5S-0142-SJ1+2
DATE: 95/10/02
* ROCK * (ACT:F31)

| SAMPLE NUMBER | AG PPM | AL % | AS PPM | BA PPM | BE PPM | BI PPM | CA % | CD PPM | CO PPM | CR PPM | CU PPM | FE % | GA PPM | K % | LI PPM | MG % | MN PPM | MO PPM | NA % | NI PPM | P PPM | PB PPM | SB PPM | SN PPM | SR PPM | TH PPM | TI % | U PPM | V PPM | W PPM | ZN PPM | Au-fire PPB | Hg PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LINE A 0+00 | 2.3 | 3.07 | 1 | 148 | 3.8 | 18 | .47 | .1 | 24 | 155 | 202 | 5.80 | 1 | .09 | 13 | 1.35 | 1054 | 4 | .03 | 48 | 1370 | 218 | 21 | 1 | 87 | 1 | .08 | 1 | 108.3 | 10 | 337 | 13 | 55 |
| LINE A 0+50W | .9 | 2.19 | 1 | 233 | 2.9 | 13 | .31 | .1 | 11 | 100 | 124 | 4.73 | 1 | .15 | 7 | .82 | 515 | 4 | .03 | 36 | 1190 | 235 | 15 | 1 | 85 | 1 | .04 | 1 | 94.6 | 7 | 184 | 12 | 10 |
| LINE A 1+00W | .1 | .79 | 1 | 62 | 1.0 | 5 | .52 | .1 | 8 | 61 | 52 | 1.42 | 1 | .07 | 3 | .49 | 403 | 3 | .02 | 29 | 1340 | 51 | 4 | 1 | 26 | 1 | .03 | 1 | 27.4 | 4 | 158 | 5 | 250 |
| LINE A 1+50W | 3.4 | 2.84 | 1 | 186 | 4.0 | 17 | .41 | .1 | 15 | 106 | 323 | 6.45 | 1 | .11 | 14 | 1.13 | 714 | 5 | .02 | 39 | 1510 | 291 | 20 | 1 | 79 | 1 | .08 | 1 | 105.8 | 7 | 276 | 34 | 30 |
| LINE A 2+00W | 1.8 | 1.85 | 1 | 200 | 2.5 | 9 | .25 | .1 | 7 | 50 | 112 | 4.10 | 1 | .12 | 4 | .45 | 294 | 5 | .03 | 19 | 1140 | 271 | 13 | 1 | 102 | 1 | .03 | 1 | 93.1 | 4 | 120 | 30 | 40 |
| LINE A 2+50W | .6 | 4.16 | 1 | 109 | 6.1 | 24 | .64 | .1 | 47 | 247 | 777 | 8.92 | 1 | .04 | 29 | 2.84 | 2210 | 7 | .01 | 94 | 1850 | 197 | 26 | 1 | 120 | 1 | .18 | 1 | 181.8 | 15 | 1135 | 13 | 25 |
| LINE A 3+00W | .1 | 3.33 | 1 | 111 | 3.9 | 21 | 1.03 | .1 | 52 | 65 | 505 | 5.26 | 1 | .02 | 17 | 1.83 | 2998 | 9 | .01 | 54 | 1570 | 129 | 23 | 1 | 305 | 1 | .17 | 1 | 111.8 | 7 | 835 | 8 | 50 |
| LINE A 3+50W | 2.0 | 2.85 | 1 | 67 | 4.1 | 27 | .67 | .1 | 23 | 118 | 254 | 6.29 | 1 | .04 | 10 | 1.41 | 1286 | 3 | .02 | 45 | 1720 | 225 | 20 | 1 | 130 | 1 | .23 | 1 | 169.9 | 9 | 315 | 9 | 40 |
| LINE A 4+00W | 9.7 | 2.55 | 1 | 123 | 6.4 | 27 | .14 | .1 | 13 | 166 | 409 | 11.48 | 1 | .10 | 9 | 1.17 | 975 | 8 | .02 | 36 | 2420 | 1176 | 15 | 1 | 86 | 1 | .08 | 1 | 218.5 | 10 | 245 | 95 | 35 |
| LINE A 4+50W | 1.9 | 1.40 | 1 | 331 | 3.1 | 14 | .40 | .1 | 5 | 1 | 51 | 4.75 | 1 | .31 | 4 | .51 | 684 | 6 | .03 | 13 | 1530 | 458 | 9 | 1 | 121 | 1 | .04 | 1 | 28.9 | 1 | 124 | 49 | 5 |
| LINE A 5+00W | 1.1 | 1.81 | 1 | 200 | 2.4 | 11 | .16 | .1 | 5 | 2 | 23 | 3.95 | 1 | .13 | 5 | .32 | 359 | 3 | .03 | 13 | 1300 | 122 | 13 | 1 | 103 | 1 | .04 | 1 | 51.2 | 1 | 82 | 9 | 45 |
| LINE A 5+50W | .8 | 1.46 | 1 | 222 | 2.0 | 8 | .25 | .1 | 4 | 1 | 36 | 3.22 | 1 | .25 | 4 | .44 | 583 | 4 | .03 | 12 | 1310 | 310 | 9 | 1 | 91 | 1 | .02 | 1 | 27.2 | 1 | 93 | 21 | 25 |
| LINE A 6+00W | 1.4 | 1.10 | 1 | 164 | 1.2 | 8 | .12 | .1 | 3 | 2 | 18 | 2.00 | 3 | .10 | 1 | .08 | 109 | 3 | .03 | 6 | 710 | 227 | 10 | 1 | 117 | 1 | .03 | 1 | 37.2 | 1 | 48 | 30 | 15 |
| LINE A 6+50W | 1.3 | 1.52 | 1 | 253 | 1.7 | 7 | .09 | .1 | 4 | 1 | 25 | 2.85 | 1 | .14 | 2 | .12 | 128 | 3 | .03 | 9 | 990 | 154 | 12 | 1 | 156 | 1 | .02 | 1 | 42.1 | 1 | 60 | 15 | 20 |
| LINE A 7+00W | .4 | 2.45 | 1 | 217 | 2.2 | 9 | .14 | .1 | 5 | 1 | 25 | 3.19 | 1 | .15 | 8 | .39 | 470 | 4 | .03 | 11 | 1140 | 101 | 20 | 1 | 135 | 1 | .02 | 1 | 24.5 | 2 | 83 | 13 | 30 |
| LINE A 7+50W | .9 | 2.09 | 1 | 257 | 2.3 | 10 | .18 | .1 | 5 | 1 | 28 | 3.69 | 1 | .19 | 8 | .38 | 439 | 3 | .04 | 13 | 1450 | 128 | 15 | 1 | 188 | 1 | .02 | 1 | 35.1 | 1 | 82 | 58 | 25 |
| LINE A 8+00W | .4 | 1.47 | 1 | 218 | 1.7 | 7 | .07 | .1 | 3 | 1 | 11 | 2.76 | 1 | .16 | 2 | .16 | 211 | 2 | .03 | 8 | 1090 | 55 | 11 | 1 | 161 | 1 | .01 | 1 | 24.3 | 1 | 82 | 12 | 25 |
| LINE A 8+50W | 1.0 | 1.07 | 1 | 133 | .7 | 4 | .11 | .1 | 2 | 5 | 16 | 1.28 | 1 | .07 | 1 | .05 | 46 | 2 | .02 | 5 | 670 | 169 | 9 | 1 | 103 | 1 | .02 | 1 | 31.8 | 1 | 43 | 27 | 20 |
| LINE A 9+00W | 3.4 | 1.83 | 1 | 311 | 2.5 | 11 | .24 | .1 | 5 | 1 | 43 | 3.65 | 1 | .23 | 7 | .43 | 879 | 3 | .02 | 14 | 1210 | 161 | 12 | 1 | 212 | 1 | .03 | 1 | 24.8 | 1 | 110 | 29 | 30 |
| LINE A 9+50W | .7 | 2.96 | 1 | 211 | 4.0 | 15 | .15 | .1 | 7 | 1 | 32 | 6.24 | 1 | .13 | 6 | .43 | 411 | 3 | .05 | 16 | 2390 | 78 | 20 | 1 | 98 | 1 | .05 | 1 | 49.6 | 1 | 75 | 9 | 90 |
| LINE A 10+00W | 5.1 | 3.45 | 1 | 178 | 3.6 | 14 | .14 | .1 | 6 | 1 | 28 | 4.79 | 1 | .13 | 13 | .43 | 426 | 7 | .04 | 14 | 1570 | 114 | 26 | 1 | 73 | 1 | .05 | 1 | 34.9 | 2 | 93 | 22 | 95 |
| LINE A 10+50W | 6.4 | 2.87 | 1 | 144 | 3.4 | 13 | .26 | .1 | 6 | 1 | 37 | 4.20 | 1 | .14 | 11 | .58 | 653 | 5 | .03 | 15 | 2090 | 150 | 22 | 1 | 115 | 1 | .05 | 1 | 34.8 | 1 | 146 | 13 | 130 |
| LINE A 11+00W | .5 | 1.59 | 1 | 246 | 3.1 | 11 | .07 | .1 | 5 | 1 | 15 | 4.60 | 1 | .33 | 6 | .59 | 451 | 4 | .02 | 15 | 1070 | 72 | 11 | 1 | 40 | 1 | .02 | 1 | 35.3 | 1 | 127 | 9 | 20 |
| LINE A 11+50W | .2 | .83 | 1 | 236 | 1.2 | 6 | .12 | .1 | 2 | 1 | 7 | 1.86 | 1 | .11 | 1 | .12 | 149 | 3 | .01 | 6 | 520 | 48 | 7 | 1 | 58 | 1 | .02 | 1 | 24.2 | 1 | 45 | 10 | 55 |
| LINE A 12+00W | .1 | .12 | 1 | 79 | .3 | 3 | .05 | .1 | 1 | 6 | 4 | .37 | 1 | .02 | 1 | .01 | 57 | 2 | .01 | 4 | 170 | 14 | 1 | 1 | 24 | 1 | .01 | 1 | 10.4 | 1 | 17 | 14 | 60 |
| LINE A 12+50W | 2.0 | .85 | 1 | 222 | 2.1 | 12 | .09 | .1 | 4 | 1 | 33 | 3.22 | 1 | .49 | 3 | .31 | 558 | 3 | .03 | 11 | 1200 | 160 | 5 | 1 | 499 | 1 | .06 | 1 | 18.2 | 1 | 29 | 15 | 10 |
| LINE A 13+00W | .1 | 1.52 | 1 | 341 | 2.3 | 8 | .17 | .1 | 4 | 1 | 15 | 3.39 | 1 | .28 | 6 | .38 | 388 | 3 | .08 | 11 | 1210 | 53 | 10 | 1 | 193 | 1 | .02 | 1 | 20.9 | 1 | 73 | 3 | 40 |
| LINE A 13+50W | .1 | 2.41 | 1 | 392 | 2.8 | 10 | .21 | .1 | 5 | 1 | 21 | 4.03 | 1 | .21 | 11 | .55 | 484 | 3 | .07 | 12 | 1420 | 52 | 16 | 1 | 234 | 1 | .05 | 1 | 22.3 | 1 | 77 | 11 | 50 |
| LINE A 14+00W | .3 | 3.07 | 1 | 314 | 2.7 | 11 | .24 | .1 | 5 | 1 | 16 | 3.59 | 1 | .15 | 7 | .39 | 302 | 4 | .07 | 11 | 1490 | 46 | 25 | 1 | 225 | 1 | .04 | 1 | 23.9 | 1 | 68 | 7 | 100 |
| LINE A 14+50W | .1 | 1.46 | 1 | 204 | 1.5 | 8 | .27 | .1 | 4 | 4 | 36 | 2.01 | 1 | .09 | 3 | .28 | 336 | 3 | .02 | 8 | 760 | 113 | 11 | 1 | 95 | 1 | .04 | 1 | 44.1 | 1 | 91 | 7 | 40 |
| LINE A 15+00W | .1 | 2.75 | 1 | 521 | 2.5 | 10 | .12 | .1 | 5 | 1 | 39 | 3.40 | 1 | .17 | 9 | .56 | 563 | 4 | .11 | 11 | 1240 | 50 | 20 | 1 | 243 | 1 | .04 | 1 | 21.3 | 1 | 80 | 15 | 110 |
| LINE A 15+50W | .1 | 1.48 | 1 | 318 | 2.0 | 9 | .26 | .1 | 5 | 3 | 44 | 2.77 | 1 | .14 | 5 | .47 | 568 | 3 | .05 | 12 | 1060 | 67 | 9 | 1 | 160 | 1 | .03 | 1 | 27.7 | 1 | 100 | 8 | 30 |
| LINE A 16+00W | .1 | 1.92 | 1 | 429 | 2.3 | 9 | .32 | .1 | 6 | 3 | 47 | 2.88 | 1 | .09 | 7 | .55 | 836 | 3 | .01 | 12 | 1320 | 124 | 13 | 1 | 75 | 1 | .01 | 1 | 32.0 | 1 | 147 | 11 | 70 |
| LINE A 16+50W | .1 | 1.60 | 1 | 265 | 2.6 | 12 | .23 | .1 | 7 | 1 | 60 | 3.76 | 1 | .14 | 7 | .60 | 795 | 4 | .02 | 14 | 1230 | 94 | 10 | 1 | 101 | 1 | .04 | 1 | 38.9 | 1 | 140 | 15 | 40 |
| LINE A 17+00W | .1 | 1.98 | 1 | 288 | 2.7 | 10 | .23 | .1 | 6 | 2 | 47 | 3.70 | 1 | .15 | 6 | .61 | 714 | 4 | .03 | 14 | 1070 | 107 | 13 | 1 | 114 | 1 | .04 | 1 | 42.5 | 1 | 131 | 10 | 40 |
| LINE A 17+50W | .5 | 1.06 | 1 | 151 | 1.2 | 6 | .20 | .1 | 3 | 5 | 29 | 1.67 | 2 | .09 | 1 | .16 | 202 | 3 | .02 | 7 | 750 | 65 | 9 | 1 | 101 | 1 | .02 | 1 | 31.5 | 1 | 59 | 1 | 30 |
| LINE A 18+00W | .3 | 2.10 | 1 | 300 | 2.7 | 10 | .57 | .1 | 7 | 5 | 49 | 3.81 | 1 | .12 | 5 | .59 | 583 | 5 | .03 | 17 | 1800 | 86 | 13 | 1 | 310 | 1 | .04 | 1 | 40.4 | 1 | 123 | 2 | 85 |
| LINE A 18+50W | .1 | 2.40 | 1 | 158 | 2.6 | 10 | .40 | .1 | 8 | 2 | 41 | 3.24 | 1 | .07 | 10 | .69 | 959 | 3 | .02 | 13 | 1000 | 93 | 17 | 1 | 46 | 1 | .05 | 1 | 47.7 | 2 | 158 | 10 | 55 |
| LINE A 19+00W | .1 | 2.23 | 1 | 156 | 3.0 | 11 | .56 | .1 | 10 | 3 | 52 | 3.80 | 1 | .10 | 10 | .78 | 993 | 4 | .03 | 14 | 1020 | 90 | 14 | 1 | 93 | 1 | .06 | 1 | 57.0 | 1 | 162 | 12 | 40 |
| LINE A 19+50W | .1 | 1.70 | 1 | 165 | 2.5 | 10 | .49 | .1 | 8 | 2 | 55 | 3.39 | 1 | .14 | 9 | .79 | 885 | 4 | .02 | 14 | 1150 | 81 | 10 | 1 | 83 | 1 | .06 | 1 | 51.8 | 1 | 160 | 13 | 40 |
| LINE A 20+00W | .9 | 2.47 | 1 | 217 | 2.6 | 8 | .58 | .1 | 7 | 1 | 305 | 3.15 | 1 | .13 | 10 | .64 | 674 | 4 | .02 | 11 | 1590 | 95 | 18 | 1 | 148 | 1 | .03 | 1 | 36.0 | 1 | 190 | 24 | 115 |
| LINE B 0+00 | .1 | 2.26 | 1 | 80 | 3.2 | 16 | .45 | .1 | 12 | 3 | 18 | 4.60 | 1 | .06 | 57 | 1.32 | 1200 | 4 | .02 | 17 | 1030 | 62 | 15 | 1 | 1 | 1 | .13 | 1 | 109.1 | 2 | 142 | 47 | 40 |
| LINE B 0+50W | .1 | 1.50 | 1 | 65 | 2.4 | 11 | .14 | .1 | 7 | 2 | 12 | 3.68 | 1 | .05 | 24 | .49 | 543 | 11 | .02 | 12 | 780 | 44 | 8 | 1 | 1 | 1 | .08 | 1 | 107.1 | 2 | 75 | 2 | 45 |
| LINE B 1+00W | .1 | 1.76 | 1 | 75 | 3.0 | 12 | .15 | .1 | 8 | 1 | 17 | 4.33 | 1 | .06 | 40 | .73 | 731 | 16 | .02 | 14 | 670 | 63 | 11 | 1 | 1 | 1 | .08 | 1 | 104.8 | 2 | 75 | 5 | 75 |
| LINE B 1+50W | .8 | 2.50 | 1 | 54 | 3.7 | 23 | .15 | .1 | 13 | 4 | 31 | 5.81 | 1 | .05 | 56 | .57 | 627 | 6 | .02 | 19 | 670 | 74 | 16 | 1 | 1 | 1 | .20 | 1 | 118.6 | 2 | 114 | 42 | 60 |
| LINE B 2+00W | .1 | 1.98 | 1 | 78 | 2.4 | 11 | .37 | .1 | 8 | 4 | 23 | 3.36 | 1 | .07 | 28 | .46 | 581 | 3 | .02 | 13 | 690 | 46 | 13 | 1 | 1 | 1 | .06 | 1 | 76.4 | 1 | 74 | 8 | 65 |
| LINE B 2+50W | .1 | 2.54 | 1 | 77 | 3.1 | 9 | .67 | .1 | 12 | 2 | 24 | 4.11 | 1 | .08 | 50 | .75 | 594 | 4 | .01 | 14 | 630 | 57 | 17 | 1 | 1 | 1 | .02 | 1 | 103.4 | 2 | 72 | 7 | 60 |
| LINE B 3+00W | .6 | 1.55 | 1 | 251 | 2.6 | 14 | .30 | .1 | 10 | 1 | 28 | 4.23 | 1 | .05 | 10 | .36 | 380 | 2 | .01 | 11 | 530 | 60 | 10 | 1 | 1 | 1 | .11 | 1 | 113.0 | 1 | 71 | 11 | 70 |

COMP: BARASKO CONSULTANTS
PROJ: PILLAR CREEK
ATTN: JOHN BARASKO

# MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5S-0142-SJ3+4
DATE: 95/10/02
* ROCK * (ACT:F31)

| SAMPLE NUMBER | AG PPM | AL % | AS PPM | BA PPM | BE PPM | BI PPM | CA % | CD PPM | CO PPM | CR PPM | CU PPM | FE % | GA PPM | K % | LI PPM | MG % | MN PPM | MO PPM | NA % | NI PPM | P PPM | PB PPM | SB PPM | SN PPM | SR PPM | TH PPM | TI % | U PPM | V PPM | W PPM | ZN PPM | Au-fire PPB | Hg PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LINE B 3+50W | .1 | 1.70 | 1 | 459 | 3.1 | 8 | .49 | .1 | 9 | 1 | 25 | 3.77 | 1 | .11 | 19 | .42 | 702 | 4 | .01 | 13 | 870 | 58 | 10 | 1 | 1 | 1 | .01 | 1 | 84.1 | 1 | 83 | 4 | 95 |
| LINE B 4+00W | .1 | 1.24 | 1 | 185 | 1.3 | 5 | .09 | .1 | 5 | 2 | 21 | 2.17 | 1 | .08 | 1 | .07 | 282 | 2 | .01 | 8 | 1160 | 28 | 8 | 1 | 1 | 1 | .01 | 1 | 59.9 | 1 | 56 | 4 | 70 |
| LINE B 4+50W | .1 | 1.27 | 1 | 134 | 1.6 | 5 | .10 | .1 | 4 | 1 | 11 | 2.29 | 1 | .17 | 3 | .14 | 124 | 5 | .01 | 8 | 640 | 48 | 9 | 1 | 1 | 1 | .01 | 1 | 51.6 | 1 | 45 | 27 | 45 |
| LINE B 5+00W | .1 | 1.64 | 1 | 167 | 2.7 | 10 | .25 | .1 | 9 | 2 | 20 | 4.10 | 1 | .08 | 18 | .56 | 366 | 2 | .01 | 15 | 1540 | 52 | 11 | 1 | 1 | 1 | .02 | 1 | 86.7 | 1 | 86 | 8 | 70 |
| LINE B 5+50W | .1 | .93 | 1 | 325 | 1.6 | 5 | .34 | .1 | 6 | 1 | 12 | 2.41 | 1 | .08 | 2 | .10 | 2418 | 2 | .01 | 13 | 840 | 39 | 5 | 1 | 1 | 1 | .01 | 1 | 61.8 | 1 | 46 | 2 | 75 |
| LINE B 6+00W | .1 | 1.03 | 1 | 270 | 1.8 | 7 | .17 | .1 | 7 | 3 | 17 | 2.75 | 1 | .13 | 5 | .22 | 834 | 2 | .01 | 13 | 680 | 40 | 7 | 1 | 1 | 1 | .02 | 1 | 58.7 | 1 | 76 | 2 | 50 |
| LINE B 6+50W | .1 | 1.01 | 1 | 229 | 1.6 | 5 | .16 | .1 | 6 | 1 | 13 | 2.31 | 1 | .13 | 1 | .09 | 198 | 2 | .01 | 9 | 600 | 34 | 7 | 1 | 12 | 1 | .01 | 1 | 49.3 | 1 | 52 | 27 | 35 |
| LINE B 7+00W | .1 | .83 | 1 | 253 | 1.3 | 5 | .19 | .1 | 4 | 4 | 12 | 2.10 | 1 | .08 | 2 | .09 | 164 | 1 | .01 | 8 | 580 | 29 | 5 | 1 | 1 | 1 | .01 | 1 | 46.9 | 1 | 57 | 5 | 30 |
| LINE B 7+50W | .1 | 1.08 | 1 | 210 | 2.0 | 8 | .47 | .1 | 8 | 3 | 17 | 3.07 | 1 | .08 | 11 | .46 | 625 | 2 | .01 | 12 | 1330 | 48 | 6 | 1 | 5 | 1 | .02 | 1 | 66.3 | 1 | 95 | 5 | 70 |
| LINE B 8+00W | .1 | 1.35 | 1 | 115 | 1.7 | 6 | .25 | .1 | 6 | 7 | 15 | 2.27 | 1 | .09 | 10 | .47 | 303 | 2 | .01 | 12 | 650 | 44 | 10 | 1 | 12 | 1 | .02 | 1 | 49.6 | 1 | 84 | 9 | 20 |
| LINE B 8+50W | .1 | 1.13 | 1 | 208 | 1.8 | 7 | .25 | .1 | 6 | 7 | 20 | 2.58 | 1 | .10 | 5 | .31 | 349 | 2 | .01 | 13 | 650 | 48 | 6 | 1 | 17 | 1 | .03 | 1 | 62.3 | 1 | 94 | 11 | 35 |
| LINE B 9+00W | .1 | 1.46 | 1 | 284 | 1.8 | 6 | .39 | .1 | 7 | 8 | 17 | 2.56 | 1 | .07 | 11 | .55 | 463 | 1 | .01 | 13 | 500 | 60 | 10 | 1 | 33 | 1 | .04 | 1 | 58.1 | 1 | 109 | 11 | 25 |
| LINE B 9+50W | .2 | 1.61 | 1 | 148 | 2.1 | 9 | .32 | .1 | 7 | 9 | 16 | 2.95 | 1 | .04 | 14 | .47 | 356 | 3 | .01 | 15 | 710 | 62 | 12 | 1 | 29 | 1 | .05 | 1 | 66.4 | 1 | 114 | 8 | 25 |
| LINE B 10+00W | .1 | 1.25 | 1 | 104 | 1.8 | 9 | .29 | .1 | 6 | 9 | 21 | 2.63 | 1 | .07 | 8 | .47 | 516 | 2 | .01 | 15 | 810 | 64 | 9 | 1 | 24 | 1 | .04 | 1 | 58.8 | 1 | 109 | 6 | 45 |
| LINE B 10+50W | .1 | 1.70 | 1 | 154 | 2.6 | 10 | .17 | .1 | 8 | 5 | 32 | 4.04 | 1 | .06 | 18 | .54 | 470 | 3 | .01 | 15 | 580 | 67 | 11 | 1 | 2 | 1 | .04 | 1 | 87.6 | 2 | 199 | 68 | 35 |
| LINE B 11+00W | .5 | 1.81 | 1 | 147 | 2.7 | 10 | .26 | .1 | 10 | 13 | 32 | 3.71 | 1 | .06 | 18 | .59 | 551 | 3 | .01 | 20 | 820 | 71 | 13 | 1 | 11 | 1 | .05 | 1 | 72.5 | 2 | 167 | 24 | 40 |
| LINE B 11+50W | .1 | 1.67 | 1 | 171 | 3.1 | 9 | .70 | .1 | 14 | 2 | 79 | 3.75 | 1 | .10 | 14 | .71 | 1213 | 7 | .01 | 19 | 1130 | 97 | 9 | 1 | 43 | 1 | .03 | 1 | 61.7 | 1 | 246 | 14 | 55 |
| LINE B 12+00W | .1 | 1.82 | 1 | 122 | 2.8 | 10 | .71 | .1 | 13 | 2 | 60 | 3.34 | 1 | .08 | 18 | .76 | 1182 | 7 | .01 | 19 | 1040 | 78 | 13 | 1 | 37 | 1 | .04 | 1 | 60.7 | 2 | 386 | 17 | 45 |
| LINE B 12+50W | .1 | 1.66 | 1 | 115 | 2.5 | 10 | .56 | .1 | 10 | 8 | 57 | 3.39 | 1 | .05 | 17 | .67 | 620 | 3 | .01 | 16 | 1280 | 61 | 11 | 1 | 33 | 1 | .04 | 1 | 61.0 | 1 | 206 | 42 | 40 |
| LINE B 13+00W | .4 | 1.32 | 1 | 136 | 2.2 | 9 | .41 | .1 | 8 | 8 | 20 | 3.00 | 1 | .04 | 10 | .40 | 434 | 2 | .01 | 15 | 1480 | 54 | 9 | 1 | 26 | 1 | .05 | 1 | 57.3 | 1 | 143 | 35 | 50 |
| LINE B 13+50W | .1 | 1.99 | 1 | 219 | 2.2 | 9 | .39 | .1 | 8 | 10 | 22 | 3.01 | 1 | .06 | 16 | .51 | 488 | 2 | .01 | 13 | 580 | 62 | 14 | 1 | 32 | 1 | .05 | 1 | 65.8 | 2 | 225 | 56 | 45 |
| LINE B 14+00W | .3 | 2.22 | 1 | 153 | 3.1 | 12 | .40 | .1 | 10 | 10 | 27 | 4.47 | 1 | .06 | 23 | .65 | 531 | 3 | .01 | 19 | 740 | 74 | 14 | 1 | 27 | 1 | .07 | 1 | 89.6 | 2 | 177 | 4 | 50 |
| LINE B 14+50W | .1 | 1.78 | 1 | 122 | 2.5 | 11 | .42 | .1 | 9 | 6 | 20 | 3.68 | 1 | .05 | 19 | .46 | 463 | 3 | .01 | 15 | 610 | 72 | 12 | 1 | 33 | 1 | .07 | 1 | 70.8 | 1 | 186 | 11 | 35 |
| LINE B 15+00W | .8 | 2.69 | 1 | 111 | 2.8 | 12 | .77 | .1 | 10 | 8 | 32 | 3.92 | 1 | .05 | 19 | .66 | 605 | 3 | .01 | 22 | 1070 | 82 | 19 | 1 | 61 | 1 | .07 | 1 | 71.9 | 2 | 219 | 23 | 85 |
| LINE B 15+50W | .1 | 1.79 | 1 | 162 | 2.7 | 10 | .27 | .1 | 9 | 6 | 20 | 4.15 | 1 | .03 | 17 | .53 | 494 | 3 | .01 | 16 | 570 | 74 | 11 | 1 | 9 | 1 | .04 | 1 | 80.4 | 2 | 240 | 9 | 30 |
| LINE B 16+00W | .1 | 1.55 | 1 | 243 | 1.9 | 6 | .43 | .1 | 8 | 5 | 16 | 2.82 | 1 | .05 | 13 | .48 | 478 | 2 | .01 | 17 | 650 | 76 | 10 | 1 | 36 | 1 | .04 | 1 | 54.7 | 2 | 260 | 1 | 20 |
| LINE B 16+50W | .1 | 1.85 | 1 | 436 | 2.1 | 5 | 1.03 | .1 | 8 | 3 | 103 | 2.36 | 1 | .05 | 12 | .74 | 795 | 4 | .01 | 12 | 380 | 87 | 13 | 1 | 76 | 1 | .02 | 1 | 49.2 | 1 | 221 | 4 | 10 |
| LINE B 17+00W | .1 | 1.80 | 1 | 129 | 2.4 | 10 | .49 | .1 | 9 | 2 | 21 | 3.42 | 1 | .05 | 17 | .64 | 582 | 5 | .01 | 13 | 650 | 94 | 12 | 1 | 49 | 1 | .05 | 1 | 60.1 | 1 | 223 | 6 | 20 |
| LINE B 17+50W | .1 | 1.46 | 1 | 105 | 2.0 | 10 | .35 | .1 | 6 | 1 | 19 | 2.96 | 1 | .05 | 7 | .36 | 636 | 3 | .01 | 10 | 1180 | 84 | 9 | 1 | 35 | 1 | .05 | 1 | 60.6 | 1 | 115 | 1 | 15 |
| LINE B 18+00W | .1 | 1.72 | 1 | 175 | 2.6 | 10 | .39 | .1 | 8 | 1 | 20 | 3.68 | 1 | .07 | 19 | .51 | 604 | 3 | .01 | 16 | 1250 | 66 | 10 | 1 | 32 | 1 | .05 | 1 | 55.3 | 1 | 196 | 1 | 30 |
| LINE B 18+50W | .1 | 2.02 | 1 | 107 | 2.6 | 9 | .30 | .1 | 8 | 3 | 13 | 3.39 | 1 | .04 | 16 | .39 | 435 | 4 | .01 | 13 | 1000 | 76 | 15 | 1 | 18 | 1 | .05 | 1 | 53.0 | 1 | 205 | 4 | 25 |
| LINE B 19+00W | .5 | 3.45 | 1 | 109 | 3.2 | 13 | .46 | .1 | 10 | 5 | 27 | 4.06 | 1 | .04 | 17 | .52 | 506 | 6 | .01 | 16 | 1480 | 96 | 28 | 1 | 14 | 1 | .08 | 1 | 61.4 | 2 | 222 | 3 | 80 |
| LINE B 19+50W | .1 | 2.19 | 1 | 114 | 2.5 | 11 | .43 | .1 | 8 | 2 | 20 | 3.48 | 1 | .05 | 13 | .48 | 513 | 4 | .01 | 14 | 770 | 73 | 18 | 1 | 35 | 1 | .05 | 1 | 61.1 | 1 | 294 | 2 | 40 |
| LINE B 20+00W | 1.3 | 1.85 | 1 | 78 | 2.4 | 12 | .30 | .1 | 8 | 6 | 22 | 3.35 | 1 | .04 | 16 | .45 | 398 | 7 | .01 | 14 | 870 | 65 | 13 | 1 | 17 | 1 | .06 | 1 | 65.6 | 1 | 126 | 1 | 50 |
| LINE C 0+00 | .1 | 1.94 | 1 | 229 | 3.7 | 11 | .19 | .1 | 12 | 1 | 56 | 4.85 | 1 | .15 | 12 | .52 | 1179 | 3 | .04 | 17 | 1240 | 83 | 12 | 1 | 70 | 1 | .03 | 1 | 50.9 | 1 | 220 | 61 | 30 |
| LINE C 0+50W | .1 | 2.28 | 1 | 137 | 3.0 | 10 | .14 | .1 | 8 | 1 | 27 | 3.74 | 1 | .06 | 8 | .36 | 953 | 2 | .02 | 15 | 1500 | 53 | 16 | 1 | 1 | 1 | .02 | 1 | 48.2 | 1 | 124 | 30 | 55 |
| LINE C 1+00W | .1 | 2.64 | 1 | 169 | 3.6 | 14 | .19 | .1 | 11 | 1 | 26 | 4.81 | 1 | .09 | 10 | .39 | 1577 | 4 | .02 | 20 | 1900 | 61 | 17 | 1 | 1 | 1 | .05 | 1 | 75.8 | 1 | 131 | 11 | 90 |
| LINE C 1+50W | .1 | 2.28 | 1 | 126 | 2.7 | 8 | .14 | .1 | 8 | 1 | 24 | 3.41 | 1 | .06 | 6 | .25 | 1195 | 3 | .02 | 14 | 2560 | 48 | 18 | 1 | 3 | 1 | .01 | 1 | 52.6 | 1 | 95 | 21 | 70 |
| LINE C 2+00W | .1 | 2.09 | 1 | 161 | 2.8 | 8 | .14 | .1 | 7 | 2 | 32 | 3.79 | 1 | .08 | 6 | .27 | 414 | 3 | .02 | 15 | 1420 | 45 | 14 | 1 | 14 | 1 | .02 | 1 | 54.9 | 1 | 83 | 21 | 70 |
| LINE C 2+50W | .1 | 2.48 | 1 | 113 | 3.0 | 12 | .15 | .1 | 9 | 1 | 37 | 4.38 | 1 | .06 | 15 | .46 | 661 | 4 | .02 | 16 | 1140 | 50 | 17 | 1 | 1 | 1 | .04 | 1 | 56.5 | 1 | 107 | 5 | 90 |
| LINE C 3+00W | .1 | 2.49 | 1 | 124 | 2.7 | 10 | .51 | .1 | 9 | 4 | 43 | 3.42 | 1 | .07 | 14 | .44 | 732 | 4 | .02 | 16 | 1110 | 42 | 19 | 1 | 27 | 1 | .02 | 1 | 57.0 | 1 | 118 | 5 | 60 |
| LINE C 3+50W | .1 | 2.22 | 1 | 147 | 3.5 | 12 | .23 | .1 | 11 | 2 | 57 | 4.64 | 1 | .08 | 16 | .59 | 686 | 5 | .02 | 18 | 1350 | 58 | 15 | 1 | 7 | 1 | .03 | 1 | 61.0 | 1 | 128 | 13 | 45 |
| LINE C 4+00W | .1 | 2.62 | 1 | 205 | 3.7 | 14 | .51 | .1 | 17 | 2 | 79 | 4.80 | 1 | .17 | 14 | .57 | 979 | 7 | .03 | 21 | 1280 | 73 | 19 | 1 | 29 | 1 | .05 | 1 | 47.4 | 1 | 174 | 61 | 35 |
| LINE C 4+50W | .5 | 3.23 | 1 | 208 | 3.7 | 11 | .17 | .1 | 11 | 6 | 69 | 4.90 | 1 | .09 | 14 | .54 | 434 | 8 | .02 | 21 | 970 | 62 | 25 | 1 | 1 | 1 | .04 | 1 | 60.5 | 1 | 129 | 16 | 60 |
| LINE C 5+00W | .1 | 4.54 | 1 | 136 | 3.6 | 15 | .20 | .1 | 7 | 1 | 28 | 4.80 | 1 | .03 | 6 | .31 | 277 | 8 | .01 | 14 | 1200 | 49 | 34 | 1 | 1 | 1 | .06 | 1 | 37.5 | 1 | 85 | 7 | 110 |
| LINE C 5+50W | 1.5 | 2.45 | 1 | 202 | 2.8 | 10 | .12 | .1 | 6 | 2 | 34 | 3.89 | 1 | .09 | 8 | .27 | 323 | 7 | .02 | 13 | 1560 | 44 | 19 | 1 | 9 | 1 | .01 | 1 | 57.6 | 1 | 79 | 3 | 80 |
| LINE C 6+00W | .1 | 2.93 | 1 | 149 | 3.4 | 12 | .12 | .1 | 8 | 3 | 33 | 5.01 | 1 | .06 | 12 | .36 | 301 | 8 | .02 | 18 | 970 | 56 | 20 | 1 | 1 | 1 | .04 | 1 | 60.1 | 1 | 85 | 7 | 75 |
| LINE C 6+50W | .1 | 5.83 | 1 | 158 | 4.2 | 18 | .14 | .1 | 11 | 7 | 44 | 5.44 | 1 | .06 | 11 | .36 | 377 | 11 | .02 | 20 | 1180 | 56 | 49 | 1 | 1 | 1 | .10 | 1 | 58.1 | 3 | 100 | 2 | 95 |

COMP: BARASKO CONSULTANTS
PROJ: PILLAR CREEK
ATTN: JOHN BARASKO

# MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5S-0142-SJ5
DATE: 95/10/02
* ROCK * (ACT:F31)

| SAMPLE NUMBER | AG PPM | AL % | AS PPM | BA PPM | BE PPM | BI PPM | CA % | CD PPM | CO PPM | CR PPM | CU PPM | FE % | GA PPM | K % | LI PPM | MG % | MN PPM | MO PPM | NA % | NI PPM | P PPM | PB PPM | SB PPM | SN PPM | SR PPM | TH PPM | TI % | U PPM | V PPM | W PPM | ZN PPM | Au-fire PPB | Hg PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LINE C 7+00W | .1 | 2.11 | 1 | 174 | 2.7 | 10 | .13 | .1 | 9 | 3 | 55 | 4.18 | 1 | .10 | 15 | .49 | 427 | 8 | .02 | 16 | 1240 | 62 | 14 | 1 | 10 | 1 | .03 | 1 | 61.4 | 1 | 90 | 4 | 90 |
| LINE C 7+50W | .1 | 1.89 | 1 | 107 | 2.0 | 8 | .23 | .1 | 5 | 5 | 27 | 2.50 | 1 | .06 | 8 | .26 | 192 | 5 | .02 | 10 | 710 | 32 | 13 | 1 | 9 | 1 | .01 | 1 | 50.2 | 1 | 54 | 1 | 60 |
| LINE C 8+00W | .1 | 3.02 | 1 | 118 | 2.6 | 8 | .43 | .1 | 8 | 6 | 62 | 3.19 | 1 | .06 | 10 | .35 | 297 | 6 | .02 | 15 | 840 | 38 | 23 | 1 | 23 | 1 | .02 | 1 | 49.9 | 2 | 76 | 5 | 105 |
| LINE C 8+50W | .7 | 2.97 | 1 | 124 | 2.9 | 10 | .24 | .1 | 7 | 1 | 48 | 4.09 | 1 | .05 | 11 | .34 | 333 | 7 | .02 | 15 | 1240 | 46 | 22 | 1 | 8 | 1 | .02 | 1 | 51.4 | 1 | 86 | 3 | 145 |
| LINE C 9+00W | .3 | 1.41 | 1 | 102 | 1.7 | 7 | .13 | .1 | 6 | 4 | 28 | 2.37 | 1 | .05 | 4 | .20 | 264 | 4 | .01 | 9 | 820 | 33 | 11 | 1 | 4 | 1 | .01 | 1 | 51.6 | 1 | 53 | 3 | 60 |
| LINE C 9+50W | .6 | 3.36 | 1 | 115 | 2.7 | 7 | .17 | .1 | 8 | 4 | 60 | 2.85 | 1 | .05 | 10 | .21 | 277 | 6 | .02 | 11 | 1170 | 33 | 27 | 1 | 1 | 1 | .03 | 1 | 41.7 | 1 | 70 | 8 | 175 |
| LINE C 10+00W | .1 | 2.22 | 1 | 182 | 2.2 | 9 | .21 | .1 | 8 | 8 | 75 | 2.96 | 1 | .10 | 18 | .49 | 614 | 10 | .02 | 15 | 770 | 56 | 16 | 1 | 17 | 1 | .03 | 1 | 67.9 | 2 | 106 | 5 | 90 |
| LINE C 10+50W | .1 | 2.66 | 1 | 163 | 2.7 | 10 | .14 | .1 | 8 | 5 | 78 | 3.59 | 1 | .08 | 14 | .46 | 479 | 8 | .02 | 15 | 1260 | 58 | 22 | 1 | 1 | 1 | .02 | 1 | 56.8 | 2 | 124 | 11 | 85 |
| LINE C 11+00W | 1.2 | 4.96 | 1 | 199 | 4.3 | 6 | .64 | .1 | 31 | 4 | 494 | 2.03 | 1 | .07 | 21 | .31 | 324 | 20 | .02 | 12 | 1600 | 45 | 44 | 1 | 6 | 1 | .02 | 1 | 25.3 | 3 | 328 | 45 | 110 |
| LINE C 12+00W | .1 | 3.79 | 1 | 241 | 5.4 | 12 | .52 | .1 | 46 | 1 | 292 | 4.29 | 1 | .08 | 15 | .50 | 3537 | 16 | .01 | 20 | 1120 | 90 | 31 | 1 | 1 | 1 | .02 | 1 | 36.1 | 2 | 737 | 16 | 60 |
| LINE C 12+50W | .1 | 2.38 | 1 | 202 | 4.1 | 11 | .42 | .1 | 56 | 1 | 276 | 4.01 | 1 | .07 | 15 | .63 | 4945 | 15 | .01 | 25 | 980 | 93 | 19 | 2 | 1 | 1 | .02 | 1 | 37.1 | 2 | 684 | 13 | 35 |
| LINE C 13+00W | .3 | 1.36 | 1 | 241 | 1.8 | 7 | .09 | .1 | 4 | 2 | 58 | 2.54 | 1 | .13 | 2 | .14 | 137 | 11 | .02 | 11 | 1040 | 69 | 10 | 1 | 36 | 1 | .01 | 1 | 45.9 | 1 | 45 | 19 | 40 |
| LINE C 13+50W | .1 | 1.80 | 1 | 353 | 3.3 | 11 | .18 | .1 | 11 | 1 | 159 | 4.51 | 1 | .20 | 9 | .68 | 611 | 14 | .03 | 15 | 1130 | 98 | 12 | 1 | 62 | 1 | .03 | 1 | 49.7 | 1 | 126 | 38 | 25 |
| LINE C 14+00W | .1 | 2.05 | 1 | 330 | 3.0 | 10 | .14 | .1 | 10 | 3 | 134 | 4.49 | 1 | .17 | 11 | .62 | 546 | 15 | .03 | 15 | 1220 | 97 | 15 | 1 | 43 | 1 | .02 | 1 | 55.0 | 1 | 117 | 34 | 35 |
| LINE C 14+50W | .2 | 1.35 | 1 | 125 | 2.9 | 10 | .12 | .1 | 7 | 1 | 61 | 4.31 | 1 | .06 | 7 | .46 | 401 | 36 | .02 | 13 | 1970 | 60 | 7 | 1 | 4 | 1 | .03 | 1 | 41.1 | 1 | 68 | 10 | 70 |
| LINE C 15+00W | .1 | 1.96 | 1 | 148 | 2.4 | 9 | .08 | .1 | 5 | 1 | 33 | 3.40 | 1 | .06 | 5 | .22 | 190 | 16 | .02 | 11 | 1110 | 47 | 13 | 1 | 1 | 1 | .02 | 1 | 53.3 | 1 | 51 | 34 | 60 |
| LINE C 15+50W | .1 | 2.64 | 1 | 197 | 3.9 | 11 | .07 | .1 | 8 | 1 | 70 | 5.60 | 1 | .09 | 14 | .26 | 271 | 25 | .02 | 16 | 1490 | 78 | 17 | 1 | 1 | 1 | .02 | 1 | 53.6 | 1 | 81 | 33 | 75 |
| LINE C 16+00W | .6 | 1.88 | 1 | 158 | 3.7 | 13 | .08 | .1 | 8 | 1 | 50 | 5.66 | 1 | .07 | 5 | .33 | 229 | 16 | .02 | 15 | 1780 | 75 | 11 | 1 | 1 | 1 | .03 | 1 | 80.5 | 1 | 72 | 10 | 65 |
| LINE C 16+50W | .4 | 2.82 | 1 | 289 | 3.7 | 12 | .07 | .1 | 9 | 1 | 96 | 5.58 | 1 | .15 | 9 | .43 | 338 | 11 | .02 | 15 | 1540 | 75 | 19 | 1 | 13 | 1 | .02 | 1 | 49.9 | 1 | 110 | 22 | 70 |
| LINE C 17+00W | .1 | .88 | 1 | 114 | 1.2 | 6 | .17 | .1 | 3 | 4 | 27 | 1.91 | 1 | .07 | 1 | .07 | 134 | 7 | .01 | 7 | 770 | 93 | 5 | 1 | 36 | 1 | .01 | 1 | 49.7 | 1 | 63 | 43 | 40 |
| LINE C 17+50W | .4 | 3.09 | 1 | 204 | 3.3 | 12 | .07 | .1 | 6 | 1 | 54 | 4.81 | 1 | .13 | 14 | .22 | 203 | 8 | .03 | 14 | 1070 | 107 | 22 | 1 | 1 | 1 | .02 | 1 | 43.8 | 1 | 91 | 52 | 120 |
| LINE C 18+00W | .2 | 2.16 | 1 | 340 | 4.3 | 15 | .06 | .1 | 9 | 1 | 72 | 6.68 | 1 | .22 | 6 | .49 | 435 | 8 | .04 | 19 | 1680 | 100 | 12 | 1 | 11 | 1 | .03 | 1 | 67.6 | 1 | 90 | 77 | 45 |
| LINE C 18+50W | .1 | 1.82 | 1 | 307 | 3.2 | 11 | .13 | .1 | 14 | 1 | 113 | 4.72 | 1 | .19 | 10 | .67 | 1586 | 14 | .04 | 20 | 1380 | 99 | 12 | 1 | 40 | 1 | .03 | 1 | 49.6 | 1 | 125 | 36 | 30 |
| LINE C 19+00W | .1 | 2.63 | 1 | 266 | 3.3 | 11 | .06 | .1 | 7 | 1 | 74 | 4.84 | 1 | .18 | 13 | .33 | 359 | 6 | .03 | 14 | 1360 | 80 | 18 | 1 | 13 | 1 | .02 | 1 | 49.4 | 1 | 91 | 15 | 70 |

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## *Geochemical Analysis Certificate*

**5S-0142-SG1**

Company: **BARASKO CONSULTANTS**
Project: PILLAR CREEK
Attn: JOHN BARASKO

Date: OCT-02-95

*We hereby certify* the following Geochemical Analysis of 24 SOIL samples submitted SEP-18-95 by Bruce Hobson.

| Sample Number | BA PPM |
|---|---|
| LINE A 0+00 | 719 |
| LINE A 0+50W | 1010 |
| LINE A 1+00W | 203 |
| LINE A 1+50W | 952 |
| LINE A 2+00W | 1010 |
| LINE A 2+50W | 423 |
| LINE A 3+00W | 279 |
| LINE A 3+50W | 672 |
| LINE A 4+00W | 609 |
| LINE A 4+50W | 1840 |
| LINE A 5+00W | 1390 |
| LINE A 5+50W | 1190 |
| LINE A 6+00W | 1290 |
| LINE A 6+50W | 1370 |
| LINE A 7+00W | 1210 |
| LINE A 7+50W | 1330 |
| LINE A 8+00W | 5490 |
| LINE A 8+50W | 1300 |
| LINE A 9+00W | 1550 |
| LINE A 9+50W | 1090 |
| LINE A 10+00W | 1050 |
| LINE A 10+50W | 970 |
| LINE A 11+00W | 1780 |
| LINE A 11+50W | 1310 |

*Certified by* _____

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## *Geochemical Analysis Certificate*

**5S-0142-SG2**

Company: **BARASKO CONSULTANTS**
Project: PILLAR CREEK
Attn: JOHN BARASKO

Date: OCT-02-95

*We hereby certify* the following Geochemical Analysis of 24 SOIL samples submitted SEP-18-95 by Bruce Hobson.

| Sample Number | BA PPM |
|---|---|
| LINE A 12+00W | >10000 |
| LINE A 12+50W | 2300 |
| LINE A 13+00W | 1600 |
| LINE A 13+50W | 1760 |
| LINE A 14+00W | 1540 |
| LINE A 14+50W | 1110 |
| LINE A 15+00W | 2590 |
| LINE A 15+50W | 1520 |
| LINE A 16+00W | 1590 |
| LINE A 16+50W | 1330 |
| LINE A 17+00W | 1290 |
| LINE A 17+50W | 1070 |
| LINE A 18+00W | 1160 |
| LINE A 18+50W | 1200 |
| LINE A 19+00W | 943 |
| LINE A 19+50W | 875 |
| LINE A 20+00W | 1090 |
| LINE B 0+00 | 1160 |
| LINE B 0+50W | 938 |
| LINE B 1+00W | 1120 |
| LINE B 1+50W | 1170 |
| LINE B 2+00W | 1130 |
| LINE B 2+50W | 1130 |
| LINE B 3+00W | 1210 |

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# *Geochemical Analysis Certificate*

**5S-0142-SG3**

Company: **BARASKO CONSULTANTS**
Project: PILLAR CREEK
Attn: JOHN BARASKO

Date: OCT-02-95

*We hereby certify* the following Geochemical Analysis of 24 SOIL samples submitted SEP-18-95 by Bruce Hobson.

| Sample Number | BA PPM |
|---|---|
| LINE B 3+50W | 1050 |
| LINE B 4+00W | 675 |
| LINE B 4+50W | 431 |
| LINE B 5+00W | 878 |
| LINE B 5+50W | 1020 |
| LINE B 6+00W | 936 |
| LINE B 6+50W | 751 |
| LINE B 7+00W | 961 |
| LINE B 7+50W | 976 |
| LINE B 8+00W | 945 |
| LINE B 8+50W | 1090 |
| LINE B 9+00W | 1270 |
| LINE B 9+50W | 1110 |
| LINE B 10+00W | 1110 |
| LINE B 10+50W | 1170 |
| LINE B 11+00W | 1220 |
| LINE B 11+50W | 980 |
| LINE B 12+00W | 1080 |
| LINE B 12+50W | 1100 |
| LINE B 13+00W | 1080 |
| LINE B 13+50W | 1100 |
| LINE B 14+00W | 1010 |
| LINE B 14+50W | 1020 |
| LINE B 15+00W | 930 |

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## *Geochemical Analysis Certificate*

**5S-0142-SG4**

Company: **BARASKO CONSULTANTS**
Project: PILLAR CREEK
Attn: JOHN BARASKO

Date: OCT-02-95

*We hereby certify* the following Geochemical Analysis of 24 SOIL samples submitted SEP-18-95 by Bruce Hobson.

| Sample Number | BA PPM |
|---|---|
| LINE B 15+50W | 1140 |
| LINE B 16+00W | 1260 |
| LINE B 16+50W | 1700 |
| LINE B 17+00W | 1140 |
| LINE B 17+50W | 1130 |
| LINE B 18+00W | 1020 |
| LINE B 18+50W | 1020 |
| LINE B 19+00W | 845 |
| LINE B 19+50W | 941 |
| LINE B 20+00W | 1030 |
| LINE C 0+00 | 910 |
| LINE C 0+50W | 639 |
| LINE C 1+00W | 634 |
| LINE C 1+50W | 500 |
| LINE C 2+00W | 621 |
| LINE C 2+50W | 722 |
| LINE C 3+00W | 721 |
| LINE C 3+50W | 789 |
| LINE C 4+00W | 867 |
| LINE C 4+50W | 972 |
| LINE C 5+00W | 639 |
| LINE C 5+50W | 793 |
| LINE C 6+00W | 804 |
| LINE C 6+50W | 623 |

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## *Geochemical Analysis Certificate*

**5S-0142-SG5**

Company: **BARASKO CONSULTANTS**
Project: PILLAR CREEK
Attn: JOHN BARASKO

Date: OCT-02-95

*We hereby certify* the following Geochemical Analysis of 24 SOIL samples submitted SEP-18-95 by Bruce Hobson.

| Sample Number | BA PPM |
|---|---|
| LINE C 7+00W | 1260 |
| LINE C 7+50W | 1100 |
| LINE C 8+00W | 1000 |
| LINE C 8+50W | 663 |
| LINE C 9+00W | 786 |
| LINE C 9+50W | 655 |
| LINE C 10+00W | 1030 |
| LINE C 10+50W | 887 |
| LINE C 11+00W | 711 |
| LINE C 12+00W | 1240 |
| LINE C 12+50W | 1440 |
| LINE C 13+00W | 845 |
| LINE C 13+50W | 1210 |
| LINE C 14+00W | 1060 |
| LINE C 14+50W | 715 |
| LINE C 15+00W | 699 |
| LINE C 15+50W | 639 |
| LINE C 16+00W | 702 |
| LINE C 16+50W | 909 |
| LINE C 17+00W | 895 |
| LINE C 17+50W | 708 |
| LINE C 18+00W | 1100 |
| LINE C 18+50W | 1310 |
| LINE C 19+00W | 883 |

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## *Geochemical Analysis Certificate*

**5S-0142-SG6**

Company: **BARASKO CONSULTANTS**
Project: PILLAR CREEK
Attn: JOHN BARASKO

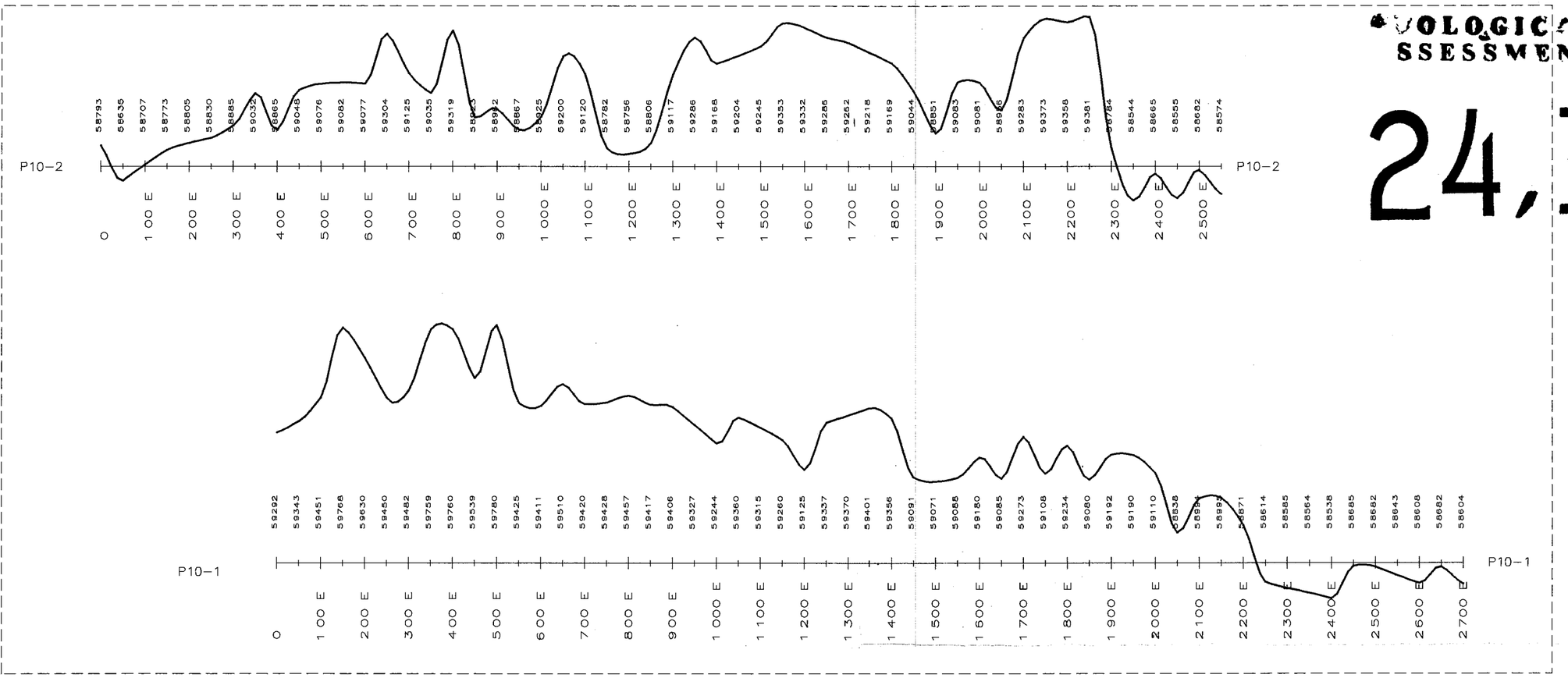
Date: OCT-02-95

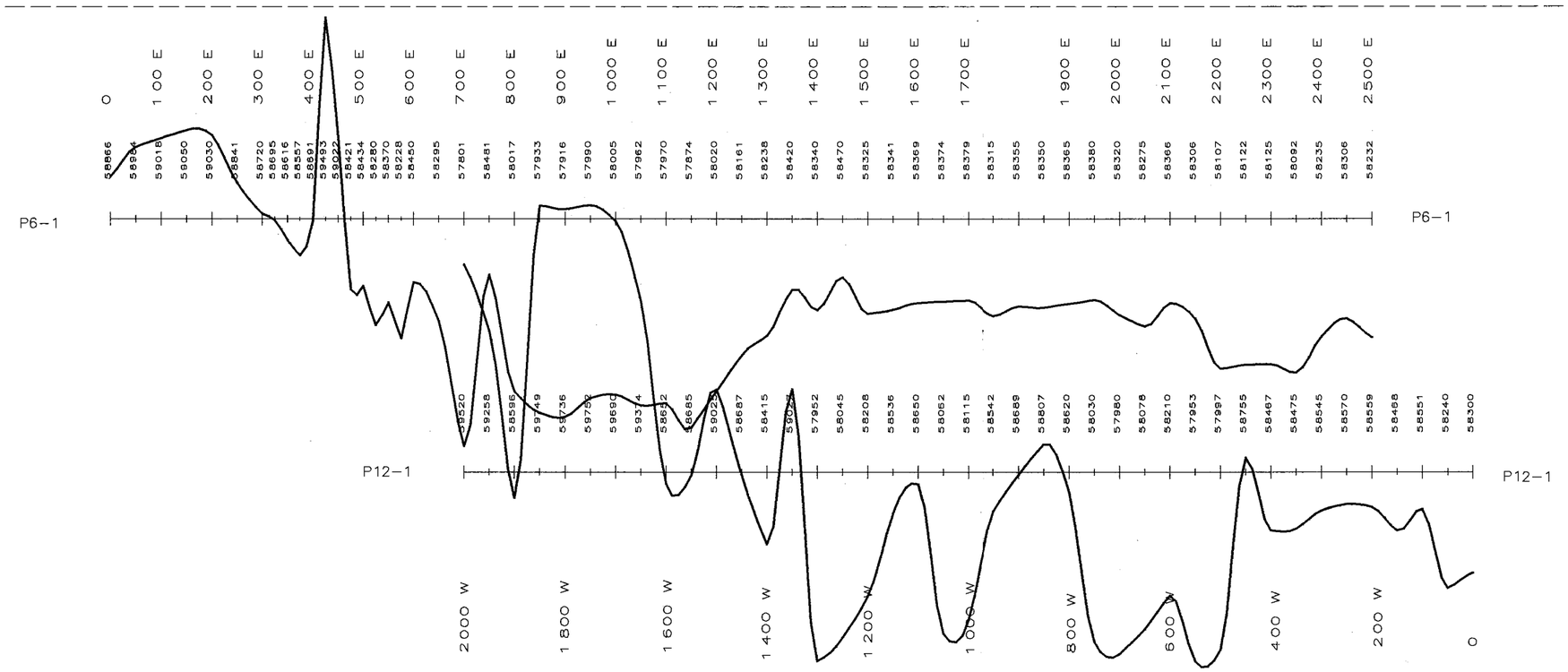
*We hereby certify* the following Geochemical Analysis of 1 SOIL samples submitted SEP-18-95 by Bruce Hobson.

| Sample Number | BA PPM |
|---|---|
| LINE C 20+00W | 1430 |

*Certified by* _____

MIN-EN LABORATORIES

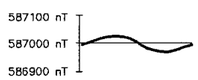



**LEGEND**

*INSTRUMENTATION: Geometrics proton magnetometer*
*Data aquisition:by: ELECTRUM RESOURCES CORPORATION*
*Plotted by: S.J.V. CONSULTANTS LTD.*

**MAGNETICS PROFILES**




## *ELECTRUM RESOURCE CORPORATION*

PIL PROPERTY

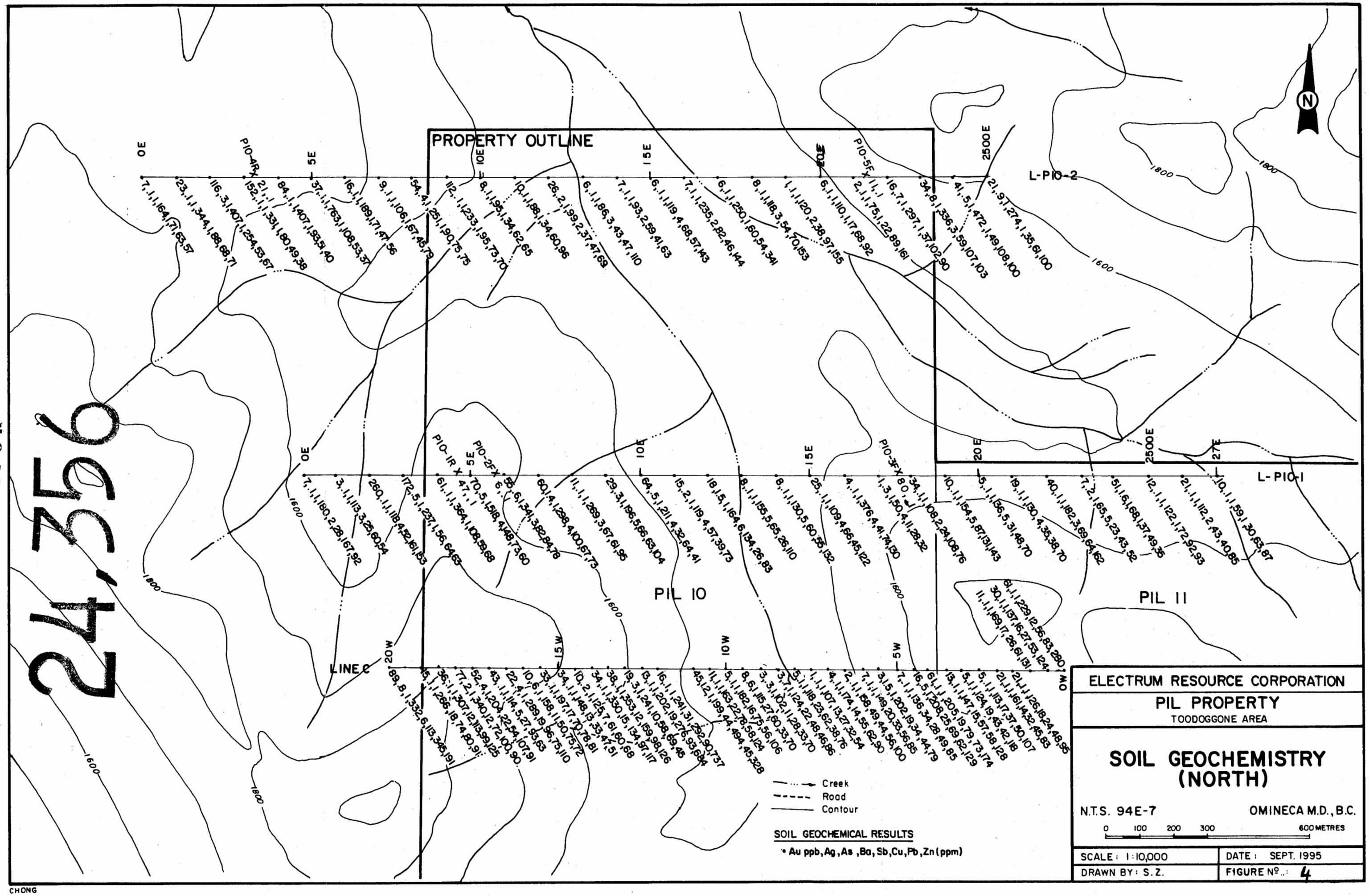
TOODOGGONE AREA

OMINECA M.D., B.C. NTS 94E/7W

# TOTAL FIELD MAG PROFILES

SCALE IN METRES


NOVEMBER 1995 PLATE G1




ELECTRUM RESOURCE CORPORATION

PIL PROPERTY

TOODOGGONE AREA

# SOIL GEOCHEMISTRY (NORTH)

N.T.S. 94E-7 OMINECA M.D., B.C.

0 100 200 300 600 METRES

| | |
|---|---|
| SCALE: 1:10,000 | DATE: SEPT. 1995 |
| DRAWN BY: S.Z. | FIGURE Nº.: 4 |

CHONG

PIL 6

PIL 5

PIL 12

PIL 13

LINE A

LINE B

L-P6-1

L-P 12-1

PROPERTY OUTLINE

Jock Creek

SOIL GEOCHEMICAL RESULTS
• Au ppb, Ag, As, Ba, Sb, Cu, Pb, Zn (ppm)

Creek
Road
Contour

ELECTRUM RESOURCE CORPORATION

PIL PROPERTY

TOODOGGONE AREA

# SOIL GEOCHEMISTRY (SOUTH)

N.T.S. 94E-7

OMINECA M.D., B.C.

0 100 200 300 600 METRES

| | |
|---|---|
| SCALE: 1:10,000 | DATE: SEPT 1995 |
| DRAWN BY: S.Z. | FIGURE No. 5 |

CHONG


LEGEND

- Granodiorite, monzonite
- 4 HAZELTON GROUP Undivided
- 3 TOODOGGONE FORMATION Saunder Member, high potassium dacite ash flow tuff
- 2 ATTYCELLY MEMBER Lithic crystal tuff, minor pyroclastic breccia
- 1 METSANTAN MEMBER High potassium latite flows, flow breccia a) orthoclase megacrysts b) fiamme
- Geological contact
- Fault
- Gossan
- Rock sample location B.N°. ( Prefix SP )
- Rock sample location B.N°. ( Prefix P3 )
- Showings
- Lake or pond
- Creek
- Road
- Contour at 100 metres interval
- bo Bornite
- bs Bornite
- cpy Chalcopyrite
- mal Malachite
- mt Magnetite
- py Pyrite
- qv Quartz vein
- sph Sphalerite
- Soil geochemical line

GEOLOGICAL BRANCH
ASSESSMENT REPORT

24,356

ELECTRUM RESOURCE CORPORATION

PIL PROPERTY
TOODOGGONE AREA

# GEOLOGY and ROCK SAMPLE LOCATIONS

N.T.S. 94E-7 OMINECA M.D., B.C.

0 500 1000 2000 METRES

| | |
|---|---|
| SCALE 1:25,000 | DATE SEPT 1995 |
| STAVRGAARD GEOLOGICAL | FIGURE No. 3 |