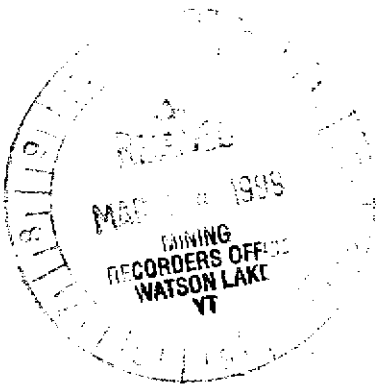

PETRA RESOURCE CORP.

GEOLOGICAL & GEOCHEMICAL REPORT ON THE STARR PROPERTY

093983

Watson Lake Mining District, Yukon Territory
NTS 105G/5,6,12; 105F/8,9
61°27' North Latitude 131°43' West Longitude

Prepared for

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March 1999

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

Regional Manager, Exploration and Geological Services for Commissioner of Yukon

1998 GEOLOGICAL & GEOCHEMICAL REPORT ON THE STARR PROPERTY

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SUMMARY

The 563 unit Starr property is located in the southeastern Yukon, approximately 80 kilometres southeast of Ross River, within the St. Cyr Range of the Pelly Mountains. Property access is via helicopter from the Ketza River Mine airstrip, approximately 30 kilometres from the centre of the property. Pathfinder Resources Ltd. staked the property, and have since optioned it to Petra Resource Corp.

The Starr claims were staked in 1997 after Atna Resources Ltd.'s drill hole discovery on the Wolf deposit, in which Atna intersected 25.2 metres of massive sulphides that graded 6.9% zinc, 2.8% lead, and 138.6 g/t silver. Upon release of this news, Pathfinder embarked on an aggressive staking program, acquiring all of the McNeil belt of felsic volcanic rocks in the St. Cyr Range. In the fall of 1997, a brief three-day reconnaissance examination of the Starr property was conducted, and later that fall, an airborne electomagnetics, magnetometer and VLF-EM survey was flown by on behalf of all the claim-holders in the McNeil Belt. Examination of the property confirmed the potential for the Starr property to host VMS mineralization similar to that of the Wolf deposit. Numerous strongly pyritic, gossanous exposures, similar to those present at the Wolf, were noted on the Starr property. A zone of laminated barite and pyrite, and a 1.2 metre thick zone of massive pyrite was discovered at one gossan. Airborne survey interpretation defined a number of electromagnetic targets on the property. In 1998, Petra Resource Corp. undertook a program consisting of prospecting, mapping and rock, soil and silt geochemistry to evaluate the felsic stratigraphy and the gossans hosted within it.

The McNeil Belt stratigraphy is composed of Mississippian age volcanics, of trachyte composition, with intercalated mudstones, tuffaceous mudstones and minor chert. Mafic volcanics cap the stratigraphic sequence on the Starr property. Trachyte flows and tuffs are generally strongly ankerite-pyrite-sericite±barite±fluorite±K-feldspar altered, creating prominent rusty orange and red gossans.

A number of significant multi-element soil geochemical anomalies exist on the Willow and Cry grids. The largest two consist of Pb, Mo, As, Fe, Ba, Ag and Zn, coincident with prominent gossans. On the Cry Grid, coincident Pb, As, Fe, Mo + Ba, Ag anomalies cover the east edge of the grid. Several multi-element soil geochemical anomalies were defined from contour soil geochemical analyses north and east of the Cry Grid, in areas of no previous geological or geochemical data.

Prospecting in 1998 led to the discovery of the Willow and Pyrite Creek showings. The Willow Showing consists of a 150 metre long creek exposure of disseminated pyrite, pyrite-quartz±barite stockwork, and massive pyrite zones up to two metres thick hosted in mudstone and tuffaceous mudstone. Barite, lead, and zinc are present in concentrations up to >1%, 1220 ppm, and 5150 ppm, respectively. The Pyrite Creek Showing consists of zones of stockwork pyrite in trachyte flows and lesser mudstone, 50 centimetre thick massive pyrite lens at a trachyte/mudstone contact, and a three metre by four metre cliff-face of massive pyrite containing clasts of argillite and trachyte. Other mineralization, including disseminated sphalerite in silicified, pyritic trachyte float boulders, returned values of 1.32% and 1.75% zinc, and anomalous values of arsenic (72 ppm and 60 ppm) and molybdenum (223 ppm and 231 ppm respectively).

The presence of laminated pyrite and barite, multiple occurrences of massive pyrite mineralization with anomalous lead and zinc values, and favourable soil and silt geochemistry in similar stratigraphy to that of the Wolf deposit makes the Starr property an excellent exploration target for lead-zinc-silver-bearing VMS deposits in the McNeil Belt.

1.0 INTRODUCTION

The 563 unit Starr property is located in the southeastern Yukon, approximately 80 kilometres southeast of Ross River, in the Watson Lake Mining District (Figure 1). The area has experienced little exploration activity other than sporadic exploration for massive sulphide deposits on the adjoining Wolf and Lynx properties which adjoin the Starr property to the southeast. The region northeast of the Starr, on the opposite side of the Tintina Fault Zone, has recently been the focus of intense exploration for volcanogenic massive sulphide (VMS) deposits, which has led to significant discoveries, including Kudz Ze Kayah, Wolverine, Fyre Lake and Ice deposits. In late 1997, Atna Resources announced a significant discovery on their Wolf property, where they intersected 25.2 metres of massive sulphides that graded 6.9% zinc, 2.8% lead and 138.6 g/t silver. Atna subsequently drilled 8 more holes into the massive sulphide lens before the end of the program. Further work on the Wolf property in 1998 has defined an inferred resource of 4.1 million tonnes grading 6.2% zinc, 1.8% lead, and 84 g/t silver based on 31 drill intersections of the deposit. In addition, Atna intersected another zone 1.2 km southeast of the Wolf deposit, with grades up to 5.7% zinc, 2.1% lead, and 43.6 g/t silver over 4.6 m true thickness (Gibson et al., 1999).

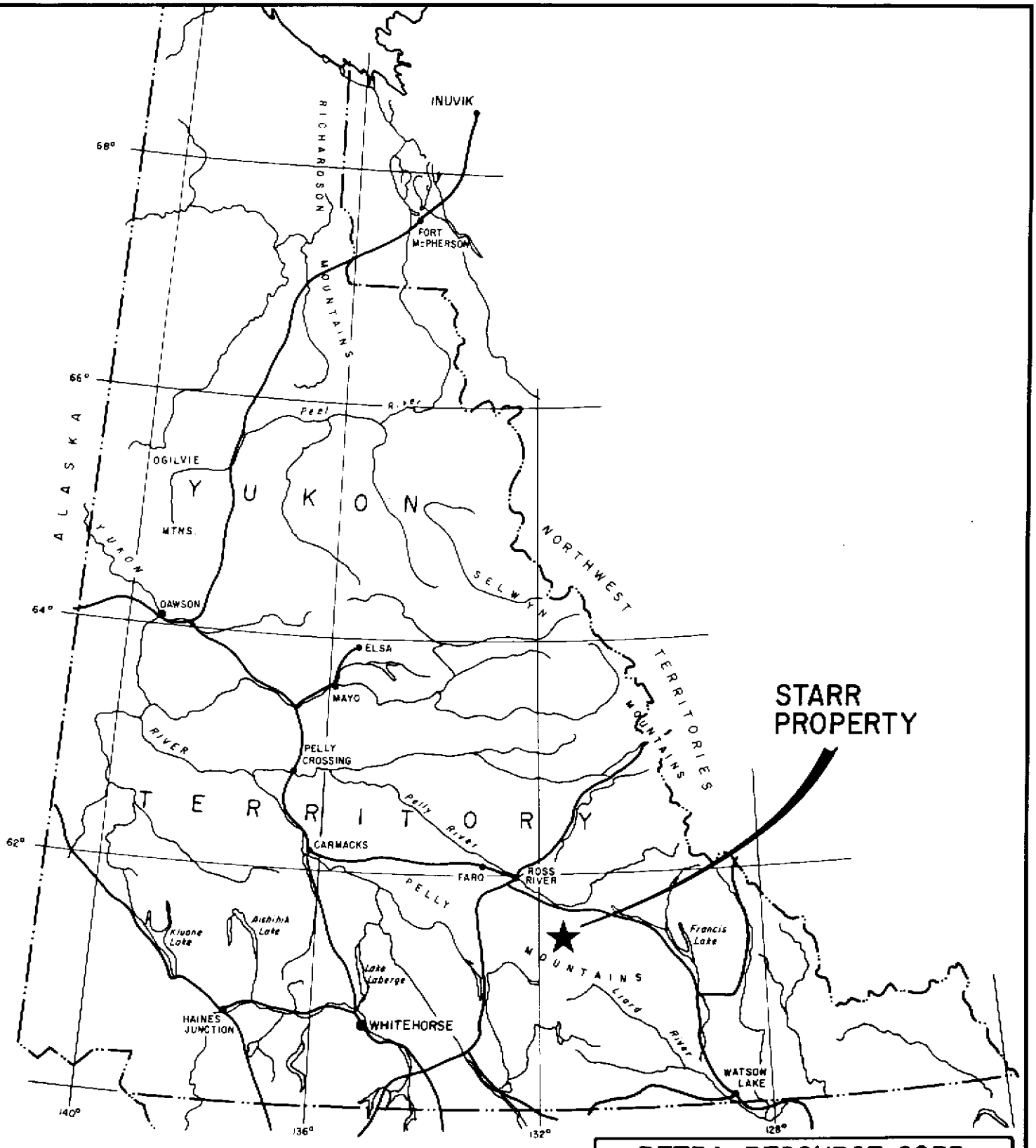
The Starr property is underlain by late Devonian alkaline felsic volcanic rocks, herein referred to as the McNeil Belt, equivalent to those which host the Wolf massive sulphide discovery. It was the Wolf discovery which led to Pathfinder to acquire the Starr property, staking the remaining favourable stratigraphy of the McNeil Belt. Subsequently, Petra Resource Corp. has acquired an option on the Starr property from Pathfinder. In the late summer and early fall of 1998, Equity Engineering Ltd. completed a geological mapping, prospecting and rock, silt and soil sampling program on the Starr property to investigate anomalous silt and rock geochemistry, airborne geophysical targets and prominent gossans briefly examined in 1997. An additional 62 claims were staked in 1998. Equity Engineering Ltd. has also been retained to report on the results of the fieldwork.

2.0 MINERAL CLAIMS

The Starr property is comprised of 563 Yukon Quartz mineral claims in two separate blocks. The main block of the Starr property adjoins the Wolf and Lynx properties to the southeast. The eight claim unit Pup block adjoins the Wolf to the southeast. The property is located in the Watson Lake Mining District (Figure 2). Government records indicate that the claims are wholly owned by Pathfinder Resources Ltd., with the exception of the Sly 1-38 and the Howl 1-24, staked in 1998, which are currently held under the name of Jason Weber for Pathfinder Resources Ltd. Claim data for the Starr Property is tabulated below in Table 2.0.1.

Table 2.0.1
List of Claims

Claim Name	Grant Number	# of Claims	Expiry Date
Lone 1 - 64	YB90057 - YB90120	64	June 29, 2001*
Cry 1 - 68	YB90121 - YB90188	68	June 29, 2001*
Cry 69, 70	YB90189, YB90190	2	June 29, 2001
Cry 71 - 82	YB90191 - YB90202	12	June 29, 2001*
Cry 83 - 162	YB90203 - YB90282	80	June 29, 2001
Den 1 - 84	YB90283 - YB90366	84	June 29, 2001*
Den 85 - 98	YB90367 - YB90380	14	June 29, 2001
Den 99 - 120	YB90381 - YB90402	22	June 29, 2001*
Den 121 - 136	YB90403 - YB90418	16	June 29, 2001
Den 137 - 144	YB90419 - YB90426	8	June 29, 2001*



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KILOMETRES

PETRA RESOURCE CORP.

STARR PROJECT

LOCATION MAP

EQUITY	Date Feb. 1999	Scale As shown	Figure 1.
	U.T.M. Zone 8/9	Mining Dist. Watson Lake	
	N.T.S. 105G/5,6,12 105F/8,9	State/Prov. YUKON	

Table 2.0.1
List of Claims cont'd.

Claim Name	Grant Number	# of Claims	Expiry Date
Den 145, 146	YB90427, YB90428	2	June 29, 2001
Den 147 - 158	YB90429 - YB90440	12	June 29, 2001*
Den 159 - 174	YB90441 - YB90456	16	June 29, 2001
Den 175 - 190	YB90457 - YB90472	16	June 29, 2001*
Den 191 - 206	YB90473 - YB90488	16	June 29, 2001
Pup 1 - 8	YB90049 - YB90056	8	June 29, 2001*
Red 1 - 16	YB91079 - YB91094	16	July 29, 2001*
Grey 1 - 13	YB91095 - YB91107	13	July 29, 2001*
Pelly 1 - 8	YB91108 - YB91115	8	July 29, 2001*
Far 1 - 18	YB91116 - YB91133	18	July 29, 2001*
Starr 1 - 6	YB91134 - YB91139	6	July 29, 2001*
Sly 1-38	YB91754 - YB91791	38	September 18, 1999
Howl 1-24	YB91792 - YB91815	24	September 18, 1999
		563	

*Subject to approval of assessment work covered in this report.

3.0 LOCATION, ACCESS AND GEOGRAPHY

The Starr property is located approximately 80 kilometres southeast of Ross River, Yukon, within the St. Cyr Range of the Pelly Mountains, on the south side of the Tintina Trench. The approximate co-ordinates for the centre of the Starr property are 61°27' North, 131°43' West on NTS map sheet 105G/5. Elevations on the property vary from 1200 to 1900 metres. The area is mountainous with steep alpine, often non-vegetated cliffs and talus slopes with tree and scrub filled valley bottoms. Outcrop in the low-lying areas averages less than 10%, and is restricted to stream beds, but outcrop exposure may be as high as 20-40% in areas above tree line. The area has a continental climate with moderate levels of precipitation and a wide seasonal temperature range. Summers are typically pleasant with long daylight hours, whereas winters are long and may be very cold. Most of the snow cover disappears by the start of June and may return by the beginning of October.

For the 1998 program, the property was accessed by helicopter based in Atna's Wolf Camp at the Ketza River mine facilities. The exploration program was conducted from two fly camps. The main camp was located on Willow Creek on the Willow Grid, the other was established on the Cry Grid. During the 1970's or early 1980's, a cat road from the junction of Mink Creek and the Robert Campbell Highway connects to the present Wolf property. The current condition of this road is not known, however, a Nodwell tracked vehicle was taken into the Argus property in the winter of 1993. The Argus property is roughly 20 kilometres north of the Wolf and at about half way along the access road from Mink Creek.

4.0 REGIONAL AND PROPERTY EXPLORATION HISTORY

The Starr property and adjacent areas have a fairly limited exploration history. Brief exploration histories of some of the occurrences in the area are listed below. These fall into four groups based on mineralization type: 1) vein copper hosted in Ordovician-Silurian basalts of the Cassiar Platform; 2) Mississippi Valley-type lead-zinc, hosted in Silurian-Devonian dolomites; 3) Sedex lead-zinc deposits hosted in Ordovician shales and 4) lead zinc-bearing volcanogenic massive sulphide mineralization (VMS) hosted in Mississippian (or latest Devonian) felsic alkali volcanics.

(Ord-Sil) Vein Copper

The Axe occurrence consists of a number of small copper in vein showings located 3 kilometres north of the G10 gossan (Figure 4). It was first staked in 1954 as the Axe claims and was optioned to Berens River Minerals, a subsidiary of Newmont. It has since been restaked frequently as the Rum in 1956 by L. Romfo and W. McKinnon; as the Jacobs by P. Poggenburg in 1963, and as the Bell in 1968 by W. Hyde. The Bell claims were optioned during 1970 by the Caltor Syndicate (Rayrock Minerals; Canadian Industrial Gas & Oil; Ashland Oil Canada), who performed geochemical sampling, mapping and hand trenching. It was restaked as the Ram claims in 1983 by A. Mercier. These claims were allowed to lapse and the showing is currently unstaked.

The Connolly showing, located 2 kilometres northwest of the Axe, is a poorly documented copper occurrence that was originally staked in 1956. No work was ever recorded and the area is presently unstaked.

(Sil-Dev) Carbonate Hosted Pb-Zn

The Zimmer showing is located 2 kilometres north of the northeast boundary of the Lone group of claims. The breccia-hosted mineralization was staked in 1976 by Newmont, and explored by hand trenching and EM surveys in 1977. These claims were allowed to lapse and no further work has been recorded on the showings.

(Ord) Sedex in Ordovician Shales

The Fairbank occurrence lies at the south edge of the Lone block of claims. Hydrozincite and minor sphalerite mineralization were discovered after follow-up of anomalous silt results. The occurrence was staked by Noranda Minerals in 1976 as the NMT claims. Noranda performed reconnaissance mapping and sampling later in the same year.

(Miss) VMS hosted in Felsic Alkali Volcanics

The Coope occurrence, located in the headwaters of the Willow Creek basin on the Starr property's Den claims, was staked as the JAC claims in 1977 by Newmont. Newmont identified the target by follow-up of an anomalous stream sediment, but filed no further work and the claims lapsed. Examination of the area in the 1997 program revealed an extensive area of pyritic gossans with associated barite and fluorite mineralization. The Willow Grid covers this area, and soil geochemical results display anomalous Pb, Mo, As, Ba, and Ag values based on a 90th percentile threshold.

The Whit occurrence was staked as the Whit claims by D. Halstead, who added the Guy claim in 1986. Pyrite-fluorite veins cut felsic volcanics pervasively altered by quartz-ankerite-sericite-pyrite. No assessment work was filed, but the claims remain in good standing.

The Wolf, Fox and Lynx properties lie at the southeast end of the Starr property. Newmont discovered the showings in the area in 1955 and eventually staked the FH claims in 1966. In 1967, the company constructed a tote road to within two kilometres of the Joe showing and explored with mapping, soil sampling and hand trenching. The claims were allowed to lapse and were restaked as the Rover claims in 1972 by F. Hasselberg and as the Sip claims in 1974 by Hesca Resources Ltd., which drilled two x-ray holes (61 m), both of which failed to reach their target. The area was again restaked as the Joe claims in 1976 by Newmont and Asamera Oil Corp. Ltd., which explored with geochem, EM and mag surveys, mapping, and hand trenching. The property was enlarged in 1977, and a program of trenching and 528 metres of diamond drilling in three holes was completed in 1978. Again, the property lapsed and was restaked as the Zap & Zoo claims in 1982 by Amax, which transferred its interest to Canamax Resources Incorporated, who performed mapping and geochem sampling in 1983. The

original Joe showing was restaked as the Wolf claims by YGC Resources Ltd. in 1990. Cominco immediately followed by staking the surrounding Fox claims. YGC tied on the Lynx claims later in the same year. Both Cominco and YGC conducted geochemical surveys in 1990. Cominco optioned the Wolf and Lynx claims from YGC in 1991 and performed contour and grid soil sampling and minor geological mapping. In 1992, Cominco completed UTEM and magnetic surveys over the Wolf claims, but later dropped their option. In 1995, Atna Resources Ltd. optioned the Wolf property from YGC and in 1996 carried out a program of mapping, geochemistry and the drilling of 3 holes from a single setup (350 metres). In 1997, Atna carried out a property-wide mapping program prior to the drilling of 12 holes (2956 metres). In their seventh hole of the program, targeted on the UTEM anomaly defined by Cominco, they made a significant discovery by intersecting 25.2 metres of massive sulphides that graded 6.9% zinc, 2.8% lead and 138.6 g/t silver. An additional 8 holes intersected the massive sulphides, but were of narrower widths and generally lower grades.

In 1997 after the discovery of the Wolf deposit by Atna Resources, Pathfinder Resources Ltd, embarked on an aggressive staking program acquiring all of the remaining McNeil Belt of felsic volcanics in the St. Cyr Range. After completing staking in September, a three man, three day, reconnaissance examination of the claim group was undertaken. The primary tasks were to make brief examinations of all noted gossanous areas and to obtain silt samples in areas not covered by the government regional geochemical survey (RGS) (GSC open file no. 1648). Gossans were prospected, sampled and reconnaissance mapped at 1:20,000 scale. A total of 49 rock samples were collected and analysed for 24 elements by ICP, plus barium, fluorine and gold. Twenty-nine silt samples and four soil samples were also collected and analysed for the same suite of elements. This brief examination confirmed that the property was underlain by equivalent stratigraphy to that hosting the Wolf, and that alteration and mineralization, including massive, stratabound pyrite and barite, showed strong similarities to the Wolf. Silt sample results also indicated that numerous drainages on the Starr property are strongly anomalous in lead, zinc and silver (Baknes, 1998). The completion of an airborne geophysical survey over the Wolf, Lynx and Starr properties by Atna, Cominco, and Pathfinder resulted in the definition of several unexplained conductive bodies on the Starr property (Baknes, 1998, Appendix G). The results of this initial program were considered very positive and indicative of the excellent potential for the Starr property to host significant VMS mineralization.

In 1998, Atna Resources Ltd continued its exploration program on the Wolf property, as well as the recently optioned Fox claims. In this program, Atna drilled 30 holes (totalling 6625 metres), resulting in an inferred resource of 4.1 million tonnes grading 6.2% zinc, 1.8% lead, and 84 g/t silver, based on 31 drill intersections of the deposit. The deposit is said to be open down-dip as well as to the southeast (Gibson et al., 1999). In addition, Atna discovered the East Slope Zone, 1.2 km southeast of the Wolf Deposit. This zone, intersected by four diamond drill holes, consists of banded semi-massive to massive sulphides, and is thought to occur approximately 70 metres stratigraphically below the Wolf Deposit horizon southeast (Gibson et al., 1999)

5.0 1998 EXPLORATION PROGRAM

The 1998 Starr exploration program was designed to investigate geochemical and geophysical targets defined by the 1997 field programs, and prominent gossans located on the property, in an attempt to focus exploration on specific areas within this large land package. A total of 279 rock samples were collected and analysed for 32 elements by ICP, with additional analyses performed for barium and gold. Two samples were assayed for zinc. Rock sample sites were marked in the field with orange and blue flagging and numbered aluminium tags. Detailed descriptions of rock samples were taken in the field and can be found in Appendix D. A total of 42 silt samples were collected from the active portions of small drainages. Silts were placed in kraft envelopes and the sample site marked with orange flagging. The sampler recorded notes pertaining to sample, colour, texture, local outcrop and stream characteristics. A total of 1749 soil samples were collected during the 1998 program. Of these, 707

samples were collected from sample sites spaced 50 and 100 metres apart along specific contour elevations as part of the contour soil reconnaissance program. Three areas were sampled on a grid basis, with 1042 samples collected from sites spaced 50 metres apart on lines spaced 100 to 300 metres apart. These samples were also placed in kraft envelopes, the site marked with orange flagging and a tyvek tag, and notes were taken on soil characteristics. Silt and soil samples were partially air-dried in camp and then shipped to Chemex Labs of North Vancouver, B.C. for sample preparation and analysis. A complete set of analytical results for silts, soil and rock samples can be found in Appendix E.

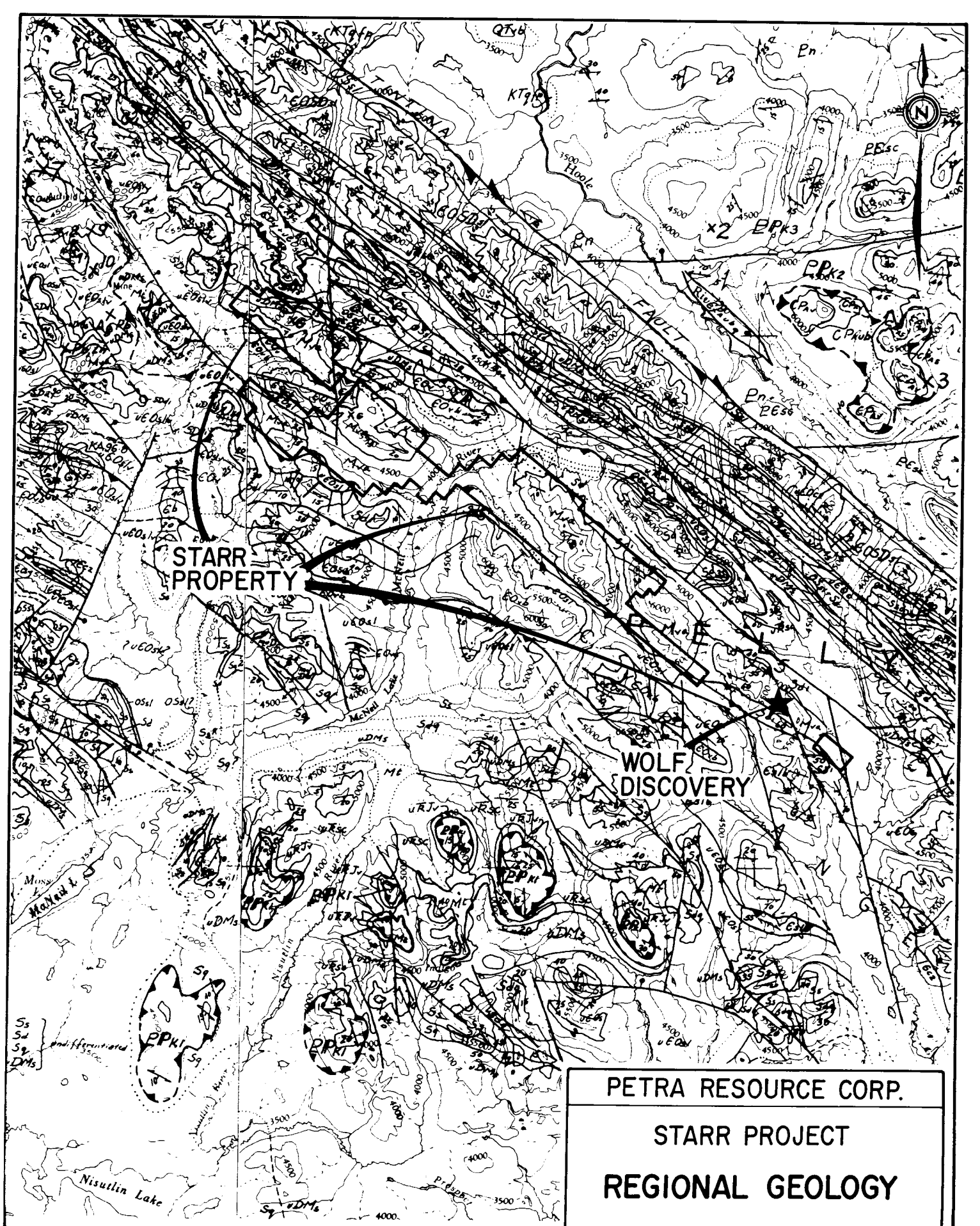
In addition, a total of 62 claims were staked to cover the Willow Showing, the Pyrite Creek showing and other favourable stratigraphy, north of the Den claims. A declination of 28° 6'E, was obtained from the Geological Survey of Canada, Geomagnetic Laboratory, and was used in all compass work.

6.0 REGIONAL GEOLOGY

The region lying southwest of the Tintina Trench comprises a portion of the Cassiar Platform (Figure 3). The geology on the northeast side of the Tintina Trench belongs to the Yukon Tanana Terrane (YTT). The YTT is considered the innermost of the accreted terranes in the western Canadian Cordillera. It is comprised largely of a Late Devonian-Mississippian volcanic-plutonic, pericratonic arc assemblage that was strongly deformed and metamorphosed in late Triassic time (Mortensen, et. al., 1985). This period of metamorphic and associated intrusive igneous activity probably indicates the time at which the YTT accreted to the North American margin consisting of the Cassiar Platform, Selwyn Basin and Mackenzie platform to the northeast (Mortensen, 1992). The evolution of the Cassiar platform is indicated by the deposition of shallow water sediments during the Upper Proterozoic through Middle Devonian. This sedimentation was onto a positive topographic feature parallel to the Continental margin, but separated from it by the miogeoclinal sequences of the Selwyn Basin. In upper Devonian to approximately middle Mississippian time uplift, block faulting and erosion occurred in the Selwyn basin. Siliciclastic rocks derived from this erosion also spread across the Cassiar Platform, which no longer influenced sedimentation patterns after the Devonian (Tempelman-Kluit et. al., 1976). In the central Pelly Mountains (south of the present position of the Tintina Fault), the Upper Devonian and Mississippian clastic sequence overlying the Cassiar platform strata contains extensive deposits of Mississippian intermediate to felsic alkalic volcanic rocks (McNeil Belt). Recent uranium-lead dating of a related syenite body returned an age of 363 Ma, which indicates latest Devonian (Mortensen pers. comm, 1998).

From Middle Mississippian through Upper Triassic time, calcareous shales were the principle lithology deposited over the former Cassiar Platform. Factors complicating the stratigraphy are: 1) extensive thrust faulting and metamorphism associated with the obduction, in the Mid-Mesozoic, of the Anvil Allochthon, which is an ophiolitic package possibly equivalent to the Slide Mountain Terrane of British Columbia; 2) emplacement of Cretaceous batholiths; 3) right lateral displacement along the Tintina Fault during the Cretaceous and into the Tertiary.

The general stratigraphy of the Devonian and Mississippian rocks in the Starr property area consists of black shale containing very minor chert granule grit (uDMs), with locally voluminous alkaline-felsic volcanic rocks. These volcanic rocks form coalescing piles of marine deposited volcaniclastic material and local intrusive bodies. Volcanic centres may be evidenced by syenite and trachyte domes and stocks. The volcanic section is capped by an extensive tuffaceous chert horizon (Mt). The thickness of the volcanic section reaches 600 metres, but is generally less than 100 metres. Total thickness of the Upper Devonian to Mississippian sequence ranges from 500 to 800 metres (Mortensen et. al.,1982). The most unique feature of the Devonian-Mississippian volcanics is the alkaline to peralkaline chemistry such that most of the volcanics classify as trachytes. This unusual volcanic chemistry and the overall setting likely indicates formation in a rift environment developed within a previously miogeoclinal area. This package of volcanics is also exposed 50 kilometres to the northwest in the McConnell River area. The geology surrounding the Devonian-Mississippian package consists of a wide variety of lithologies from dolomites to



PETRA RESOURCE CORP.

STARR PROJECT

REGIONAL GEOLOGY

EQUITY	Date Feb. 1999	Scale 1: 250,000	Figure 3
	U.T.M. Zone 8/9	Mining Dist. Watson Lake	
	N.T.S. 105G/5,6,12 105F/8,9	State/Prov. YUKON	

GEOLOGICAL LEGEND (to accompany figure 3)

PELLY-CASSIAR PLATFORM

Upper Triassic and Jurassic

uRJv Dark green, massive, volcaniclastic sandstone; minor tuff.

uRsc Dark grey and buff weathering, recessive, thin-bedded bioclastic limestone with interbedded sandy or silty limestone, calcareous siltstone and shale; commonly finely cross-laminated.

Mississippian latest Devonian

Mva Heterogeneous, rusty, black, white and orange weathering lapilli and sand sized tuff, volcanic breccia and flow rocks ranging from trachyte to andesite in composition; black argillaceous slate and siliceous pale grey and pale green "cherty tuff" locally abundant; minor finely crystalline buff limestone; locally includes abundant trachyte dykes; locally highly pyritic; weakly sericitized and commonly strongly foliated so that primary textures are masked.

Mt Rusty orange weathering, resistant, apple green and dark grey thin bedded chert and cherty tuff; may include minor Mv undifferentiated.

Upper Devonian and Mississippian

uDMs Black recessive weathering, with rusty streaks, thin bedded black siliceous slate with minor interbedded chert grain greywacke and chert granule grit; includes lenses of intermediate to acid volcaniclastic rocks undifferentiated; includes interbedded dark grey barite undifferentiated.

Silurian and lower Devonian

Sd Resistant, light grey and white weathering, massive, medium grey, medium bedded, laminated to sucrose, dolomite; minor sandy dolomite.

Sd1 Resistant, thick-bedded to massive, red weathering, coarsely sucrose dolomite; minor sandy dolomite.

Ss Tan, medium grey, and very locally deep maroon weathering; light grey, thin-bedded to platy dolomitic siltstone, dolomitic fine-grained sandstone and minor silty dolomite.

Upper Cambrian and Ordovician (Silurian, Devonian)

COSDsl Orange-brown weathering, recessive, thin bedded, medium to dark grey, calcareous shale, siltstone and argillaceous limestone; includes slate and phyllitic slate.

OSsl Recessive, black, locally calcareous, fissile, graptolitic slate; includes thin sills or flows of dark green, basalt undifferentiated; includes Sv undifferentiated; rarely includes lenses or large blocks of algal-laminated dolomite: grades upward into Ss and laterally into uCOsl, uCOslv and uCOc.

uCOsl Medium grey, recessive weathering, chlorite muscovite quartz phyllite and slaty phyllite, locally calcareous; in places includes lenses sills and flows of olive to dark green basalt and basaltic tuff **COv** and **COvb**; grades laterally to **UCOc**.

uCOc Orange to orange-brown weathering, recessive, medium grey, thinly interlaminated calcareous shale and silty limestone or calcareous siltstone; proportion of carbonate to clastic material varies widely; includes slaty and phyllitic equivalents; includes distinctive red weathering quartz ankerite "sweats"; locally includes thin layers of olive green tuff undifferentiated; laterally gradational to **uCOsl**.

COv Olive green, sandy and finer grained tuff and tuffaceous slate; commonly strongly foliated and metamorphosed to greenschist facies - equivalents include chlorite phyllite and chlorite amphibolite.

COvb Resistant, dark weathering, massive, dark green and dark maroon amygdaloidal basalt; calcite fills amygdules; locally strongly foliated and amygdules are chlorite patches; may include **COv** undifferentiated.

Geology after D.J. Tempelmen-Kluit (1977).

basalts that range in age from Upper Cambrian to Upper Triassic and Jurassic. Units are interlayered parallel to the Tintina trench and are divided by numerous strike-parallel northeast-directed thrust faults. This is exemplified by the south boundary of the Mississippian volcanic sequence (Mva) which is marked by an oblique thrust that puts Cambrian and Ordovician phyllites on top of the Mississippian volcanics.

The Mississippian volcanics of the Cassiar platform have over the years attracted mineral exploration directed at volcanogenic massive sulphide deposits. Including the Wolf discovery, there are three other significant massive occurrences in the McNeil Belt. These are the Bnob, Chzerpnough and the MM. All four appear to share a number of common characteristics: 1) associated with small felsic domes or intrusives; 2) associated with felsic volcaniclastic rocks; 3) metal values are typically zinc>lead>copper; 4) exhalative barite often pyritic and locally contains base metals in close association with massive sulphides. The MM is one of the best described of the four occurrences. Mineralization is closely related to a trachytic dome with flanking volcanic breccia that grades into volcanic tuffs and intercalated carbonaceous sediments. These carbonaceous sediments also form the footwall and hanging wall to the volcanic sequence. The thickest massive sulphide lens (9 m) lies immediately above the dome, but lesser syngenetic sulphide lenses occur through 75 metres of the section and extend up to 3 kilometres along strike. Exhalative barite with pyrite predominates over sulphides distally from the dome. Footwall stockwork mineralization consisting of quartz, chlorite, pyrite and chalcopyrite is moderately well developed beneath the biggest massive sulphide lens. Grades encountered to date average about 5% lead plus zinc. The newly discovered Wolf deposit shares several features with the other occurrences. One significant massive sulphide layer is underlain by up to three thinner and less Pb-Ag rich massive sulphide layers. Pyrite-barite mudstone forms the footwall to the middle sulphide horizon and extends well out laterally. The deposit occurs at the thickest part of the felsic stratigraphy in the area and has an immediate footwall of quartz-crystal ash tuff and occurs within amygdaloidal trachyte flows and has a hanging wall of trachyte tuffs and pyritic lapilli tuffs. An apparent halo of ankerite-pyrite ± sphalerite veins seem to form around the deposit. Fluorite-ankerite crackle breccias are said to lie both above and below the Wolf deposit. It is believed that a monzonite intrusive present on the property may form some spatial relationship with the deposit, perhaps indicating a root to a volcanic centre. A possible chalcopyrite-bearing stockwork has been noted in two intersections and lies between the upper and lower sulphide horizons. An important feature of the Wolf massive sulphide lenses is that they appear to be vertically zoned, with the Pb-Ag rich zone found in the upper sulphide lens. Another feature not unique to the Wolf is the very extensive zone of disseminated pyrite mineralization on the property that forms intense gossans over much of the Wolf property. Recent work by Atna has lead to the conclusion that the Wolf deposit is oriented right side up, based on Au, Mo, Hg, and As footwall lithogeochemistry (Holbek, pers. comm., 1999). The massive sulphide mineralization extends 600 metres in strike length and 500 metres down-dip, and is open down-dip and to the east (Gibson et al., 1999).

7.0 PROPERTY GEOLOGY AND MINERALIZATION

The stratigraphic package exposed on the property is part of the McNeil Belt volcanic sequence which is oriented approximately northwest-southeast, dipping moderately to the southwest. This corresponds to the Mva unit in regional mapping by Templeman-Kluit. No definite clues to stratigraphic tops were observed in the field. Geological compilation is presented on Figures 4-14.

Lower Silurian to Devonian dolomite and limestone (**Sd1**) are exposed at the lowest elevations (Figure 5). These rocks are exposed on cliffs on the northeastern section of the Superconductor Grid, and sucrosic, grey and brown banded dolomite and limestone are found on the Pup block of claims. Overlying the carbonate rocks is a series of intercalated mudstones and tuffaceous mudstones, and lesser trachyte flows and tuffs of upper Devonian and Mississippian age (in part **uDMs** and **Mva**). Continuing up-section, stratigraphy is composed predominantly of trachyte tuff and flow rocks, with interbedded argillaceous tuffs and mudstone (**Mva**). Throughout this section, especially in areas of abundant trachyte flow rocks, a maroon trachyte exhibiting both dyke and extrusive flow characteristics

is present. In places, this unit appears to form plugs and dykes (Gossans 16 & 18, Figure 12a-c) crosscutting stratigraphy. Continuing up-section, the sequence is capped by massive, occasionally columnar mafic volcanic flows and tuffs, exposed along the higher peaks and ridges. Strong gossan-forming iron carbonate-pyrite-sericite±barite-fluorite alteration within the trachyte units generally obliterates textures, making identification of units difficult.

Measurement of the stratigraphic section in the Gossan 16 area (Figure 12a-c) indicates a thickness of the **Mva** unit of at least 285 metres. A description of the rock types encountered in unit Mva during the 1998 field program follows.

FELSIC VOLCANIC UNITS

TRAC Trachyte flows: Generally grey to buff in colour, weathering buff to rusty orange, forming prominent gossans. Commonly noted with up to 15% iron carbonate filled amygdules. Commonly exhibits sucrosic texture, and fine (<1 mm) needle shaped feldspar crystals. Generally pyritic, with up to 10% disseminated pyrite. Very often pyrite-sericite-iron carbonate±barite±fluorite altered. Characteristic blocky fracture.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine-grained, lacking amygdules. Buff to rusty-orange weathering, forming prominent gossans. Alteration similar to that of TRAC. Commonly pyritic. May include the following units:

- Trachyte lapilli tuff, commonly with argillite clasts.
- Trachyte ash tuff, very fine-grained, glassy, occasionally weakly banded.

TRAM Maroon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and laths. Weakly pyritic locally, generally less altered than TRAC and TRAT.

MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering, medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Dark brown to green weathering, green to olive green tuffs. Commonly weakly carbonate-veined. Commonly schistose. May be equivalent to **HTUF**.

UNDIFFERENTIATED FRAGMENTAL UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shaley clasts supported in an argillaceous matrix. Rare massive pyrite fragments. Commonly grades into **MDST**. May contain the following units:

- Argillaceous crystal tuff: Similar to above with dominant fragment type(s) composed of feldspar crystals (<1 mm) and/or quartz eye crystals (<2 mm).
- Argillaceous heterolithic tuff - Contains both trachytic and shaley fragments.
- Argillaceous lapilli tuff - Fragments are dominantly trachyte lapilli.
- Argillaceous bomb tuff - Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Pink/brown/buff weathering schistose heterolithic tuff. Clasts consist of pale green sericite-altered volcanic fragments and strongly iron carbonate-altered orange fragments, generally less than 15 cm in size.

SEDIMENTARY UNITS

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green-grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff-weathering grey limestone.

DLST Buff to brown weathering dolostone: Commonly banded grey/buff, sucrosic texture. Often with sandy laminae.

GYWK Grey to buff greywacke and siltstone.

7.1 Mineralization

Four zones of massive sulphide mineralization have been identified to date on the Starr property. Three of these were investigated briefly in the 1997 program, and the fourth, the Willow Showing, was discovered by prospecting in the 1998 program. In all cases, massive pyrite is the only sulphide visible, however, trace galena is noted within the Willow Showing. Barite is commonly present, and anomalous Zn, Ag and As may be present. Percentile rank statistics for rock samples is summarized below in Table 7.1.1 .

TABLE 7.1.1
Percentile Rank Statistics for Rock Samples

	Ag	As	Ba	Cu	Fe	Hg	Mn	Mo	Pb	Zn
Units	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm
Population	334	334	307	334	329	329	329	329	334	334
Max Value	9.6	254	44.80	466	>15.00	20	6630	231	9650	36000
Min Value	<0.2	<2	<0.10	<1	0.13	<1	<5	<1	<2	<2
98th	2.6	111	2.90	66	>15.00	4	2318	40	816	2739
95th	1.7	65	1.07	45	>15.00	3	1772	25	376	888
90th	0.8	43	0.63	27	13.28	2	966	16	161	288
85th	0.4	34	0.47	19	9.73	1	593	13	104	152
80th	0.2	26	0.36	14	7.10	<1	421	11	79	90
70th	0.2	16	0.25	8	4.83	<1	278	8	42	50
60th	<0.2	12	0.20	5	3.72	<1	154	6	30	22
50th	<0.2	10	0.15	4	2.87	<1	65	5	23	14
40th	<0.2	8	0.11	3	2.18	<1	25	4	16	8
30th	<0.2	6	0.08	2	1.65	<1	10	3	12	6

* Barium values obtained using triple-acid digestion.

Gossan 20

At Gossan 20, massive pyrite occurs as lensy semi-massive concentrations throughout a roughly 50 metre thick strongly altered section (Figure 13a-c). Within the middle of the altered section is a 1.2 metre thick conformable interval of massive pyrite, exposed over 3 metres of strike length. Samples of this are weakly anomalous in silver, arsenic, copper, molybdenum and lead. Twenty-five metres up section from the massive pyrite is a roughly 10-15 cm horizon of finely laminated massive barite, and pyrite. This horizon was sampled 100 metres to the west where it occurs as a 25 centimetre thick massive pyrite bed hosted in a 15 metre thick zone of 5% disseminated pyrite (130055, 130056). Other than the high concentration of barium, a sample of this horizon is not anomalous in any of the other determined elements. Rock sample analyses from Gossan 20 are summarized below in Table 7.1.2.

TABLE 7.1.2
Rock Sample Analyses - Gossan 20 Area

Sample	Ag ppm	As ppm	Cu ppm	Fe %	Hg ppm	Mo ppm	Pb ppm	Zn ppm	Ba %
130052	0.4	56	15	3.31	<1	13	82	46	0.16
130053	<0.2	12	54	4.67	<1	13	56	68	0.15
130054	<0.2	8	4	3.77	<1	6	24	<2	0.18
130055	<0.2	6	11	7.47	<1	7	16	10	0.15
130056	<0.2	12	11	>15.00	<1	4	42	8	0.01
130057	0.2	30	55	>15.00	<1	7	68	254	0.03
130140	1.6	44	15	4.09	<1	10	36	64	0.48
130141	<0.2	<2	24	6.55	<1	8	26	222	0.19
130142	<0.2	10	<1	1.94	<1	4	16	4	0.15
130143	0.2	14	13	10.75	2	10	44	12	0.22
4937	<0.2	6	6	2.69	<1	3	16	8	22.9
4938	1.8	140	72	10.25	<1	29	630	142	0.4

* Barium values obtained using triple-acid digestion.

Gossan 5

A 400 metre section of ferricrete in a creek bed south of Gossan 5 is underlain by massive and semi-massive pods and vein pyrite exposed over 120 metres in shales, argillaceous tuffs, and trachyte flows and/or tuffs (Figure 10a-c). Barium is the only anomalous element, with a maximum of 0.5% Ba returned from one sample of semi-massive pyrite. Analyses from rock samples collected from the Gossan 5 showing are summarized in Table 7.1.3.

TABLE 7.1.3
Rock Sample Analyses - Gossan 5

Sample	Ag ppm	As ppm	Cu ppm	Fe %	Hg ppm	Mo ppm	Pb ppm	Zn ppm	Ba %
230849	<0.2	8	5	2.05	<1	5	16	52	0.40
230850	1.0	14	4	8.45	<1	11	66	<2	0.20
524551	<0.2	8	4	4.83	<1	3	30	8	0.50

* Barium values obtained using triple-acid digestion.

Pyrite Creek Showing

The Pyrite Creek showing (Gossan 10 from the 1997 program) consists of massive pyrite lenses, breccias, and stockwork in trachyte flows, shales and argillaceous tuffs exposed intermittently in a narrow steep-walled canyon over 300 metres (Figure 10a-c). At the downstream end of the canyon, pyrite stockwork veins up to 10 centimetres thick occur in trachyte flows and shales. Upstream, poorly exposed massive pyrite occurs at a trachyte/argillaceous tuff contact. Along strike, at this same stratigraphic position, a narrow argillite bed occurs, possibly indicating a period of quiescence in volcanic activity, allowing sulphide deposition. The argillaceous lapilli tuff unit underlying the massive pyrite contains massive pyrite fragments. Approximately 50 metres further upstream, massive pyrite with trachyte and argillite fragments is exposed in a cliff face at a waterfall. The stratigraphic position of the massive pyrite is uncertain as the cliff is likely a fault scarp. The massive pyrite outcrop is about two metres in height and about four metres in width; covered by overburden on both sides of the creek.

Numerous boulders of massive pyrite up to 40 X 40 X 40 centimetres in size were found in the creek bed. A summary of results from rock samples collected at the Pyrite Creek showing is listed below in Table 7.1.4.

TABLE 7.1.4
Rock Sample Analyses - Pyrite Creek Showing

Sample	Ag ppm	As ppm	Cu ppm	Fe %	Hg ppm	Mo ppm	Pb ppm	Zn ppm	Ba %
230840	0.2	34	3	5.47	<1	6	50	<2	2.9
230841	<0.2	<2	3	0.92	<1	7	26	<2	1.3
230842	0.6	140	22	>15.00	<1	7	198	8	0.1
230843	0.2	8	9	7.33	<1	5	78	2	5.0
230844	0.4	50	14	>15.00	<1	5	182	18	0.5
230845	3.2	254	242	>15.00	1	3	102	8	<0.1
130424	<0.2	<2	1	1.18	<1	3	6	2	0.5
130425	0.2	<2	7	3.75	<1	5	12	<2	0.2
130426	0.2	64	14	>15.00	1	12	102	10	0.1
130427	0.2	<2	3	1.73	<1	1	12	26	0.1
130428	0.2	22	4	2.04	<1	9	20	16	0.2
130429	0.2	40	12	>15.00	2	3	96	30	0.7
130430	0.4	26	8	>15.00	3	3	74	10	0.1

* Barium values obtained using triple-acid digestion.

Willow Creek Showing

The Willow Creek showing is located approximately 150 metres downstream of the main exploration camp used during the 1998 program (Figure 9a-c). It lies at the northern edge of the Willow Grid, just west of line 20000N. The showing, consisting of pyrite as disseminations, stockwork veining with quartz, barite and carbonate, massive pods of pyrite, and zones of massive pyrite up to 2 metres thick, is locally anomalous in Ag (3.4 ppm), Hg (20 ppm), Pb (1220 ppm), and Zn (5150 ppm). The showing is hosted in mudstones and tuffaceous mudstones/shales over a distance of approximately 160 metres downstream (approximately 130 metres true width, assuming constant 50 dip). It is cut by numerous faults and shear zones, and it is very likely that some of the massive sulphide has been remobilized. Stockwork zones containing veins of both pyrite and quartz are irregular and anastomosing. Results from Willow Showing rock samples are summarized below in Table 7.1.5.

TABLE 7.1.5
Rock Sample Analyses - Willow Creek Showing

Sample	Ag ppm	Cu ppm	Fe %	Hg ppm	Mo ppm	Pb ppm	Zn ppm	Ba %
130340	0.6	4	5.84	3	<1	108	1740	0.47
130341	0.2	2	4.38	<1	<1	106	110	0.85
130342	1	4	10.25	<1	1	478	364	0.02
130343	<0.2	2	1.11	<1	1	42	18	0.13
130344	0.8	5	7.23	<1	<1	260	90	0.02
130345	<0.2	4	1.19	<1	1	42	90	0.32
130346	1.4	14	13.2	5	<1	388	270	0.02
130347	1.4	16	14.2	1	<1	616	178	0.02

Table 7.1.5
Rock Sample Analyses - Willow Creek Showing cont'd.

Sample	Ag ppm	Cu ppm	Fe %	Hg ppm	Mo ppm	Pb ppm	Zn ppm	Ba %
130348	2.0	23	>15.00	4	<1	696	208	0.02
130349	<0.2	<1	0.43	<1	<1	10	54	0.04
130350	0.2	4	2.88	<1	<1	104	88	0.07
130351	0.8	4	5.36	<1	<1	186	250	0.09
130352	0.2	1	2.41	4	<1	96	1020	0.15
130353	0.2	<1	3.17	<1	<1	118	324	0.12
130354	0.2	<1	1.78	<1	<1	54	56	0.23
130355	0.2	<1	4.62	2	<1	44	186	0.21
130356	<0.2	<1	0.55	<1	<1	14	38	0.16
130357	2.0	25	>15.00	4	<1	734	102	0.03
130358	3.4	26	>15.00	2	<1	1145	160	0.03
130372	2.4	23	>15.00	7	<1	732	582	0.02
130373	2.0	4	>15.00	8	<1	976	796	0.02
130374	1.8	2	>15.00	8	<1	318	1460	>1.00
130375	1.6	5	>15.00	20	<1	324	5150	0.11
W1	0.7	6				80	33	
W2	3.3	32				1220	346	
W3	2.0	13				370	9	
W4	3.0	5				1127	880	
W5	2.9	37				347	29	

* Barium values obtained using triple-acid digestion.

Prospecting on a creek along strike and 300 metres southeast of the Willow Showing discovered one float sample with 2-3 millimetre thick pyrite laminae in black shale cut by a three centimetre ankerite vein (130196), and in another boulder, a 20 centimetre thick massive pyrite horizon in shale (130198). Although neither were anomalous in Pb or Zn, both were weakly anomalous in Mo.

Other Mineralization

On the Pup claims, on the southeast end of the property, barite-quartz-sphalerite-galena veins in float contained concentrations of 9650 ppm Pb, 1770 ppm Zn, 9.6 ppm Ag, and >1% Ba (130182 - Figure 1a-c). No outcrop source was located for this mineralization. A weather-shortened day did not allow full inspection of the Pup block. Regional mapping by Templeman-Kluit shows the block to be transected by a northeast verging thrust fault, bringing Silurian and lower Devonian dolostones of unit **Sd1** onto Mississippian age unit **Mva**. The mineralized float is located on the southwest side of the thrust (**Sd1**). Further mapping should verify whether felsic volcanic units are present.

Zinc mineralization was found in float boulders in a creek bank near the northwest end of the Willow grid (Figure 10a-c). Float samples 130333 and 130334 returned Zn values of 1.32% and 1.75%, respectively. In addition, both these samples were highly anomalous in As (72 ppm and 60 ppm) and Mo (223 ppm and 231 ppm respectively). The sampled material consisted of pyrite and sphalerite in silicified, jarosite and hydrozincite coated trachyte. Time did not permit geological mapping of this area to investigate this mineralization.

Float consisting of pyrite-fluorite altered trachyte from the headwaters of Willow Creek is anomalous in As, Pb, and Ba (709648 - Figure 8a-c). The sample, likely derived from the large gossan within trachyte tuffs and flows, upstream of the Willow camp and showing area, returned values for As, Pb, and Ba of 60 ppm, 728 ppm and >1%, respectively.

Values of 1770 ppm Zn and 4 ppm Hg were obtained from a sample of pyritic black shale in the Gossan 14 area (130118 - Figure 10a-c). The host rocks are weakly sericite-silica altered pyritic shales and argillaceous tuffs, near a trachytic tuff contact. This location is approximately two kilometres southeast of the Pyrite Creek Showing, and appears to represent a similar stratigraphic level.

Sample 130378 was from an ankerite and pyrite altered trachyte with trace honey coloured sphalerite (Figure 8a-c). The sample is from a float train at the southeast end of the Willow Grid, near station 22800E, 4900N. Numerous other boulders in the float train contained trace sphalerite and approximately 0.5-1.0% pyrite as disseminations. Calcite veins with ankerite and fluorite are noted in the area as well.

Samples collected from steep draws north of the Willow Grid (L22500E) returned Zn values up to 1680 ppm over two metres (130366) from massive pyrite in fault gouge near a shale/trachyte contact (Figure 9a-c). Barium values >1% and anomalous Hg are also obtained from samples in this area. This stratigraphic position correlates roughly with that of the Willow Showing.

Table 7.1.6 (below) summarized significant results from rock samples discussed above.

TABLE 7.1.6
Other Mineralization - Significant Rock Sample Results

Sample	North UTM m	East UTM m	Ag ppm	As ppm	Cu ppm	Fe %	Hg ppm	Mo ppm	Pb ppm	Zn ppm	Ba %
130118	6813637	352993	0.6	12	4	2.35	4	4	38	1770	>1.00
130181	6798976	369136	1.2	10	47	0.15	<1	1	2200	80	>1.00
130182	6798997	369104	9.6	52	181	0.57	<1	<1	9650	1770	>1.00
130183	6798995	369119	0.2	2	4	0.63	<1	1	1835	52	0.31
130333	6814651	354580	<0.2	60	2	3.5	1	231	190	1.32%	0.07
130334	6814650	354582	0.2	72	4	4.53	<1	223	182	1.75%	0.09
130366	6810798	358384	1.2	14	16	15	4	<1	158	1680	0.06
130378	6810072	357914	<0.2	2	<1	4.23	2	39	46	1430	0.04
709648	6812094	356304	0.4	60	18	13.6	<1	15	728	2	>1.00

* Barium values obtained using triple-acid digestion.

8.0 SOIL AND SILT GEOCHEMISTRY

8.1 Silt Geochemistry

Forty-two silt samples were collected during the 1998 program. Results from these samples, as well as 1997 results and government regional geochemical surveys (RGS) (GSC, Open File 1648), are shown on figures 4 to 16. Percentile rank statistics were performed on the 1998 samples combined with 1997 and RGS datasets. Anomalous values were determined based on a 90th percentile threshold. Table 8.0.1 displays percentile rank statistics for the aforementioned elements.

TABLE 8.1.1.
Percentile Rank Statistics for Silt Samples

	Ag	As	Ba	Cu	Fe	Hg	Mn	Mo	Pb	Zn
Units	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
Population	153	153	45	153	153	153	153	153	153	153
Max Value	3.0	56	6000	441	>15.00	4000	>10000	48	78	6720
Min Value	<0.2	<2	440	<1	1.2	<1	111	<1	2	48
98th	1.0	45	4856	160	>15.00	3000	3381	21	60	1651
95th	0.8	35	4360	75	6.57	1400	2089	16	46	1108
90th	0.7	28	3780	63	4.56	1000	1379	13	40	686
85th	0.6	24	3114	56	4.21	1000	1132	12	36	534
80th	0.5	20	2908	51	4.02	1000	961	9	34	446
70th	0.4	16	2800	41	3.61	185	690	8	28	357
60th	0.2	12	2370	36	3.34	115	583	7	24	295
50th	0.2	10	1710	33	3.10	80	510	6	22	242
40th	0.1	9	1524	30	2.99	49	412	5	19	208
30th	0.1	7	1256	26	2.70	25	317	4	18	184

* Barium values obtained using triple-acid digestion.

The area of the Lone claims at the northwest end of the property has a number of multi-element anomalous samples. Sample SD98-03 contains 1335 ppm Zn, 4400 ppm Ba, 3 ppm Hg, 13 ppm Mo and 96 ppm Cu. Sample JP98-03, from the same area, returned anomalous values of 64 ppm Pb and 18 ppm Mo (Figure 14a-c).

Sample JW98-10, located approximately 500 metres northwest of Gossan 18, was collected approximately 750 metres downstream of a geophysical conductor (Figure 12a-c). This sample returned 864 ppm Zn and 1 ppm Hg. Five hundred metres to the west, MB98-01 was anomalous in As (28 ppm), Hg (2 ppm) and Mn (>10000 ppm). To the southeast of Gossan 18, in the basin draining gossans 2,3,16,and 18, MT98-01 is anomalous in Zn (6720 ppm), Mo (21 ppm), As (34 ppm), Hg (4 ppm), Cd (124 ppm), and Sb (8 ppm).

8.2 Soil Geochemistry

Two soil sampling programs were undertaken during the 1998 field program. Contour soil sampling was aimed at acquiring geochemical data in areas where little or no data existed. The grid-based soil sampling program was targeted on areas of known mineralization and extensive gossan, as well as EM geophysical conductors. The Willow grid covers approximately six kilometres of favourable felsic stratigraphy with numerous gossans, and previously defined lead in soil anomalies of >100 ppm. The Superconductor grid covers a series of airborne electromagnetic anomalies approximately 500 metres southeast of the Willow grid. The Cry grid covers the Gossan 20 area where massive and laminated pyrite, and laminated barite showings exist. In total, 707 contour soil samples and 1042 grid soil samples were collected. Over much of the gridded areas, samples were collected from areas that are predominantly composed of talus fines and colluvium, possible reflecting values closer to those found from rock rather than B-horizon soil. Soil geochemical results are presented in Figures 6-14. Percentile rank statistics for selected elements in soils are shown in Table 8.2.1.

TABLE 8.2.1
Percentile Rank Statistics for Soil Samples

	Ag	As	Ba	Cu	Fe	Hg	Mn	Mo	Pb	Zn
Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Population	1742	1742	1742	1742	1742	1742	1742	1742	1742	1742
Max Value	6.6	870	14400	253	15.00	5	10000	127	1115	2490
Min Value	<0.2	<2	50	<1	0.25	<1	5	<1	<2	2
98th	1.2	83	4900	92	10.96	1	3134	42	154	630
95th	0.8	54	3427	66	8.78	1	2270	30	104	432
90th	0.6	42	2729	50	7.52	<1	1780	23	78	322
85th	0.4	34	2400	42	6.79	<1	1499	20	64	258
80th	0.2	30	2148	35	6.22	<1	1295	17	54	222
70th	0.2	24	1870	28	5.32	<1	1034	12	42	174
60th	<0.2	20	1640	23	4.67	<1	815	10	34	142
50th	<0.2	18	1430	19	4.24	<1	630	8	28	116
40th	<0.2	14	1270	16	3.69	<1	490	7	24	98
30th	<0.2	12	1120	13	3.22	<1	360	5	18	82

* Barium values obtained using triple-acid digestion.

Willow Grid Soil Geochemistry

The Willow Grid was established to investigate a number of very prominent gossans that occur over a 5.5 kilometre trend that is roughly parallel to strike of the stratigraphy. Due to widely spaced lines, coherent, multi-line, multi-station anomalies are difficult to define.

Using a threshold of 90th percentile values, two large, and a number of smaller multi-element anomalies exist (Figures 8,9,10a-c). The two large anomalies consist of Pb, Mo, As, Fe, Ba, Ag and spotty Zn and Cu. They occur in northeast-facing basins, coincident with prominent gossans due to pyritic trachytes with slivers of tuff and tuffaceous argillite. Both are located on steep talus slopes. One covers lines 19100E and 19250E, south of the baseline. The other covers line 20300E, south of the baseline, as well as the baseline stations between 20000E and 20300E. The highest value for Pb in soil (490 ppm) for the grid occurs in this area at station 20300E, 4800N. South of both of these anomalies, a Zn-As±Pb±Ag anomaly is offset grid-north of the larger anomalies. It is unclear whether these are separate anomalies or part of the larger anomalies upslope. These anomalies could be reflecting large alteration zones associated with the gossans, or possibly, the presence of covered sulphide mineralization.

Numerous anomalies exist on the Willow Grid. The most interesting are briefly summarized below:

- At the southern end of line 21200E, two consecutive samples (over 50 metres) contain coincident anomalous Pb, Mo, As, Zn and Fe values just below the mafic volcanic contact.

- A 3.9 kilometre trend of anomalous zinc in soil exists at the southern ends of lines 19100E to 23000E. Barium follows a similar trend, with the highest values on the grid for Ba (>1%) occurring in this area. These anomalies lie near the base of the mafic volcanic flows, roughly paralleling the lower contact. This may represent a zinc-rich horizon just below the mafic units.

- At the southern end of line 22500E a four station Zn, Ba, Cu anomaly is present and a Zn, Ag + patchy Pb, As, Mo, and Cu is located at the end of line 22800E. This anomaly overlaps with the Zn-Ba trend noted above. Spotty Pb, Zn and Mo values occur along both 22500E and 22800E. On the baseline at line

22850E, the second highest lead value (484 ppm) and four of the top five Zn (1080-1730 ppm) values were obtained on line 22800E at 4600N and 4650N, and BL 5000N at 22950E and 23300E. Rock samples collected near the baseline, on line 22800E, contained up to 1430 ppm Zn from ankerite altered, pyritic trachyte with trace sphalerite.

- Coincident Pb, Zn and Fe occur at the northern end of line 23000E. The underlying lithologies are intercalated trachyte flows, tuffaceous argillite and mudstone.

- Grid west of line 19100E, a broad 90th percentile Cu anomaly likely reflects the presence of mafic volcanics.

- Line 20000E (at 5800N) cuts across Willow Creek just above the Willow Showing. In this area, spotty single station zinc and barium anomalies exist, but there is not a strong geochemical signature associated with the massive pyrite showing. Upstream of the showing at 5550N, a two station Zn, As and Ba anomaly coincides with a four station Zn and spotty As and Ag anomaly on line 20300E. Outcrop lithologies in this area are dominated by argillaceous tuff and mudstones that strike roughly parallel to the baseline.

- The strike extension of the massive pyrite exposure in a creek draw south of Gossan 5 may be reflected in anomalous Mo, Fe, Pb, and As values in samples collected from station 17400E, 3850N.

Superconductor Grid Soil Geochemistry

The Superconductor Grid was targeted to investigate a series of electromagnetic geophysical conductors from the 1997 airborne geophysical survey. Results of the 1998 soil program from the Superconductor Grid show a narrow Mo anomaly partially coincident with a wider Fe anomaly (Figure 7a-c). This may reflect underlying black carbonaceous shales, which commonly have elevated Mo concentrations. Spot, multi-element anomalies occur in the valley bottom on line 31800E.

Cry Grid Soil Geochemistry

The Cry Grid was established to investigate the area surrounding Gossan 20 massive pyrite and laminated barite mineralization (Figure 13a-c). The area is characterized by steep talus covered slopes and boulder fields in the valley bottom. Coincident Pb, As, Fe, Mo, Ba and Ag anomalies cover the east edge of the grid, high in a cirque. Strong Fe values reflects pyrite-ankerite altered trachyte in this region. A broad but patchy Zn anomaly in the western half of the grid remains unexplained. The overlapping Pb and Fe anomalies on L1800E, 1900E, 2000E south of the baseline are due to dispersion downslope from ankerite-sericite-barite altered trachytes.

Reconnaissance Contour Soil Geochemistry

Soil sampling has identified numerous areas of multi-element anomalous soil geochemistry. Approximately 500 metres west of Gossan 18 on CL1600, a multi-station Pb and Ba anomaly with a single high Zn value coincides with an airborne EM conductor (Figure 12a-c). Line CL1606 has four clusters of Pb-As±Mo±Ba±Ag anomalous soil geochemistry covering at least four stations each. No geological data has been collected in this area.

Contour soil geochemistry from the areas such as the Lone claims (Gossan 1, Figure 14a-c), and the Gossan 2,3,16 and 18 area shows a similar suite of anomalous elements to that seen at the Willow Grid. Anomalous results from the Lone block extend beyond the prominent gossan in that area. Anomalous Ba is widespread through the area, perhaps indicating extensive baritic alteration or barite beds. Clusters of elevated Pb, As, Mo, Ag and lesser Zn, Fe, and Cu values are numerous on lines CL1503, CL1524 and

CL1660. Three clusters of anomalous geochemistry exist on line CL1604, consisting of Pb, Ag ± Zn, Mo, As, Ba. Of these, the two largest clusters lie between mapped areas, and therefore, no geological data has been collected to explain them.

In the southeastern portion of the claim block, in the Gossan 12, 11, and 9 areas, contour soil geochemistry shows spotty multi-element anomalous clusters (Figure 7a-c). One sample collected downslope of Gossan 11 (line CL1370) returned anomalous Zn, Fe, As and Mo.

9.0 DISCUSSION

The Starr property is a strong candidate to host base and precious metal-rich VMS deposits similar to that of the Wolf deposit. The Starr property shares some similarities to other VMS occurrences in the McNeil Belt, in particular, the Wolf deposit. In addition to proximity, other similarities include:

1) The presence of large areas of gossanous, pyrite-ankerite-sericite±barite±fluorite altered trachyte flows and tuffs. Gossanous trachyte is associated with the Wolf deposit itself. Gossanous, similarly-altered trachyte, exists along the length of the Starr property in areas such as the Cry Grid, Willow Grid, Gossan 2-16 area, Gossan 1 area, and Gossans 5 and 14.

2) Size of the mineralized system. The mineralized horizon at the Wolf deposit has been traced for six kilometres along strike. Gossans and coincident Pb-Zn-As-Ag-Ba anomalous soil geochemistry can be traced over at least 5 kilometres on the Willow Grid alone.

3) Stratabound barite and massive sulphides occur proximal to trachyte flows and tuffs at the Wolf. Stratabound barite and massive pyrite are present on the Starr property, specifically on the Cry Grid. Massive pyrite associated with anomalous barium is found at Gossan 5, Pyrite Creek and Willow Creek showings.

4) The Wolf deposit is surrounded by ankerite-pyrite±base metal veins, as well as fluorite-ankerite crackle breccias. Numerous ankerite-pyrite-sphalerite veins have been sampled throughout the Willow Grid and other areas on the property. As well, fluorite veins with ankerite have been sampled at a number of the gossans on the Starr property.

The strength and continuity of the mineralized system is exemplified by the numerous massive pyrite showings on the Starr property, where volcanogenic massive sulphide occurrences are found over a distance of 24 kilometres, and on at least two stratigraphic levels. The Gossan 20 showing on the Cry grid represents stratabound massive sulphides in a trachyte flow and tuff dominated sequence. In comparison, the Willow Creek Showing occurs in a mudstone/tuffaceous mudstone sequence that likely represents a different stratigraphic level than that of Gossan 20. The section of stratigraphy in which the Willow Showing is hosted has not been sufficiently investigated, especially in the Willow Grid area. Further investigation of both of these showings, and others on the property, may help to focus on sections of stratigraphy where Pb-Zn-Ag-rich stratiform sulphides are likely to occur.

In addition to being widespread, massive sulphide showings on the Starr property exhibit considerable thickness. Massive pyrite, with stockwork pyrite veining and anomalous Pb and Zn values, occurs as a section approximately 130 metres thick in Willow Creek. At the Pyrite Creek Showing, massive pyrite, and strong pyrite stockwork mineralization is found intermittently over a 300 metre-long creek exposure in folded and faulted strata. These showings are very large, exemplifying the potential for the Starr to host large tonnage Pb-Zn-Ag-rich massive sulphide deposits.

Soil geochemistry has defined a number of areas of coincident, anomalous Pb-Zn-As-Ba-Ag-Mo values on the Willow and Cry grids. On both grids, these anomalies coincide with strongly gossanous trachyte flows and tuffs. Reconnaissance contour soil geochemistry has identified areas of multi-station, multi-element anomalies in areas where no geological data has been collected.

The McNeil Belt stratigraphy hosts at least four known Pb-Zn-Ag-bearing volcanogenic massive sulphide occurrences. These include the Wolf, Bnob, Chzerpnough and MM deposits. Considering the areal extent of the VMS system(s) that host these deposits, it is plausible that there are other base and precious metal-rich deposits similar to the Wolf in this belt. Anomalous soil geochemistry from the Cry and Willow grids and reconnaissance contour lines, the presence of a sulphide-bearing system anomalous in Pb, Zn and Ag, and vast areas of under-explored favourable stratigraphy highlight the Starr property as a strong candidate to host another Wolf-style VMS deposit in the McNeil Belt.

Respectfully submitted,

EQUITY ENGINEERING LTD.

Jason S. Weber, B.Sc., G.I.T.

Vancouver, British Columbia
March 3, 1999

APPENDIX A

BIBLIOGRAPHY

BIBLIOGRAPHY

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APPENDIX B

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES

August 1 - September 15, 1999

CANADA) In the matter of an evaluation program on the Starr property

I, Jason S. Weber for Equity Engineering Ltd., 207 - 675 West Hastings Street, Vancouver, B.C. do solemnly declare that a program of geological mapping, geochemical soil sampling and prospecting was carried out on the Lone 1-64, Cry 1-162, Den 1-206, Pup 1-8, Red 1-16, Grey 1-13, Pelly 1-8, Far 1-18, Starr 1-6, Sly 1-38, Howl 1-24 claims between August 1, and September 15, 1999.
The following expenses were incurred during the course of this work and in the compilation and reporting of results:

PROFESSIONAL FEES AND WAGES:

Jason Weber, G.I.T.	37.88 days @ $425/day		16,099.00
Mark Baknes, P.Geo	14.88 days @ $425/day		6,324.00
Tom Bell, Prospector	39 days @ $300/day		11,700.00
John Peters	32 days @ $250/day		8,000.00
Steve DeWit	35 days @ $275/day		9,625.00
Roy Heiman	32 days @ $225/day		7,200.00
Jeff Kasyon	32 days @ $225/day		7,200.00
Michael Toolan	32 days @ $225/day		7,200.00
First Aid Attendant	30 days @ $25/day		750.00
		$	74,098.00

EQUIPMENT RENTALS:

4WD Truck (Tom Bell)	5 days @ $80/day	$	400.00
Chainsaw	8 days @ $15/day		120.00
Fly Camp	210 days @ $25/man-day		5,250.00
Generator (1kVA)	29 days @ $10/day		290.00
Generator (0.5kVA)	6 days @ $5/day		120.00
Pentium Computer			

Transit					
	6 days @ $10/day				60.00
				$	6,450.00
EXPENSES:					
Accomodation				$	1,773.28
Aircraft Charter					-
Airfare					3,789.09
Automotive Fuel					666.80
Camp Food					7,152.14
Camp Supplies					4,921.13
Chemical Analyses					35,817.56
Courier					10.95
Expediting					1,505.00
Freight					3,118.58
Helicopter Charters					46,479.80
Printing and Reproductions					2,710.97
Communications					3,359.91
Truck Rental (Non-Equity)					1,836.86
Drafting					666.00
Other					
				$	113,808.07
SUB-TOTAL:				$	194,356.07
PROJECT SUPERVISION:					
12% on 1st $100,000			$ 12,000.00		
10% on next $400,000			$ 9,435.61		
8% on next $1,500,000			$ -		
6% on balance of sub-total			$ -		
				$	21,435.61
REPORT:	(estimated)			$	19,250.00
Drafting	$	5,250.00			
Time	$	13,000.00			
Plotting	$	1,000.00			
SUB-TOTAL:				$	235,041.68
G.S.T.:	(7% on sub-total)			$	16,452.92
TOTAL:				$	251,494.59

And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Declared before me at Vancouver in the)
Province of British Columbia this)
_____ day of _____ ,19_____)_____

_____
Notary Public for the Province of British Columbia

APPENDIX C

LIST OF PERSONNEL

LIST OF PERSONNEL

Field Crew

Mark Baknes (Project Geologist)
207-675 West Hastings St.
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Michael Toolan (Sampler)
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Jason S. Weber (Project Geologist)
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APPENDIX D

ROCK SAMPLE DESCRIPTIONS

AK	ankerite	BA	barite	BI	biotite
CA	calcite	CB	Fe-carbonate	CL	chlorite
CY	clay	EP	epidote	FL	fluorite
GE	goethite	GL	galena	GR	graphite
HE	hematite	JA	jarosite	KF	potassium feldspar
MG	magnetite	MN	Mn-oxides	MS	sericite
PY	pyrite	QZ	quartz	SI	silica
		SP	sphalerite		

ALTERATION INTENSITY

tr	trace	w	weak	m	moderate
		s	strong		

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sFE	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130051	UTM 6812383.	N	UTM 356597.1	E	Strike Length Exp:	Metallics:	<5	0.4	70	>10000
	Elevation: 1575	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE, sJA, sMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Barite		15	41	102	88

Comments: Ferricrete cemented barite float below main gossan.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130052	UTM 6816322.	N	UTM 342260.1	E	Strike Length Exp: 10 m	Metallics: 3-5%PY	<5	0.4	56	1600
	Elevation: 1740	m	Sample Width: 6	m	True Width: 6 m	Secondaries: sGE, sJA, sMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		15	13	82	46

Comments: Taken about 150m west of drop spot on gossan #20.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130053	UTM 6816255	N	UTM 342125.4	E	Strike Length Exp: 10 m	Metallics: 1-2%PY	<5	<0.2	12	1460
	Elevation: 1745	m	Sample Width: 3	m	True Width: 3 m	Secondaries: sGE, sJA, sMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 090°/60° S				Host : Volcanics		54	13	56	68

Comments: Taken at east end of main gossan. Representative for 3 metres across a 4 metre zone. Possible barite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130054	UTM 6816234.	N	UTM 342128.2	E	Strike Length Exp: 3 m	Metallics: 3-5%PY	<5	<0.2	8	1800
	Elevation: 1770	m	Sample Width: 1	m	True Width: 1 m	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		4	6	24	<2

Comments: Taken up chute above 130053.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130055	UTM 6816226	N	UTM 341931.2	E	Strike Length Exp:	Metallics: 3% - Massive PY	<5	<0.2	6	1500
	Elevation: 1785	m	Sample Width: 7	m	True Width: 7 m	Secondaries: sGE, sJA, wMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		11	7	16	10

Comments: Taken in next chute west of MB4937 and MB4938. Representative grab over 7 metres of 10-12 metre zone.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130058	UTM 6822225	N	UTM 342400.8	E	Strike Length Exp:	Metallics: 2-3%PY	<5	<0.2	20	>10000
	Elevation: 1705	m	Sample Width: 1	m	True Width: 0 cm	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		6	9	38	14

Comments: Taken on south side of gossan #17 mountain. Siliceous tuff - phyllite contact.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130059	UTM 6822767	N	UTM 342109.4	E	Strike Length Exp: 3 m	Metallics:	<5	<0.2	10	>10000
	Elevation: 1785	m	Sample Width: 50	cm	True Width: 10 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 090°/20° N		Vein		Host : Volcanics		5	6	10	296

Comments: On north side of mountain from gossan #17. Ten centimetre wide QZ-BA vein in quartz or silica altered tuffs.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130060	UTM 6822753.	N	UTM 342107.3	E	Strike Length Exp: 10 m	Metallics: 25%BA	<5	<0.2	2	>10000
	Elevation: 1785	m	Sample Width: 5	m	True Width: 5 m	Secondaries: wGE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		4	2	6	506

Comments: Five metre wide QZ-BA zone, ten metres west of 130059 on north side of mountain from gossan #17.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130061	UTM 6822840.	N	UTM 342212.9	E	Strike Length Exp:	Metallics:	<5	<0.2	8	>10000
	Elevation: 1820	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Barite		7	2	2	904

Comments: Barite float stones - north side of mountain from gossan #17.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130062	UTM 6815667.	N	UTM 348873.1	E	Strike Length Exp:	Metallics: >1%PY	<5	<0.2	6	2700
	Elevation: 1530	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Tuffs		3	9	10	92

Comments: Taken below lower gossan on east end of gossan #15. Subcrop.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130063	UTM 6815667.	N	UTM 348873.0	E	Strike Length Exp:	Metallics:	<5	<0.2	36	9300
	Elevation: 1535	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		50	13	8	74

Comments: Barite-fluorite talus beside lower, bright gossan on east end of gossan #15.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130064	UTM 6815644.	N	UTM 348870.4	E	Strike Length Exp: 5 m	Metallics:	<5	<0.2	18	5300
	Elevation: 1535	m	Sample Width: 6	m	True Width: 6 m	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		66	2	14	136

Comments: Crumbly, weathered tuffs in gossan with 20-25% barite. Representative grab across zone for 6 metres. Lower bright gossan on east end of gossan #15.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCY	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130065	UTM 6815686.	N	UTM 348767.4	E	Strike Length Exp:	Metallics:	<5	<0.2	4	4000
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		<1	3	20	<2

Comments: Barite talus 30 metres above 130064.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130066	UTM 6815729	N	UTM 348661.2	E	Strike Length Exp:	Metallics: 1-2%PY	<5	<0.2	2	2500
	Elevation: 1625	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE, sJA, sMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		1	5	16	<2

Comments: Talus sample on east end of main #15 gossan.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130067	UTM 6815750.	N	UTM 348600.5	E	Strike Length Exp:	Metallics:	<5	<0.2	16	>10000
	Elevation: 1625	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		4	10	104	<2

Comments: Barite float. Barite flooding.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130068	UTM 6815801	N	UTM 348432.2	E	Strike Length Exp:	Metallics: 1-2%PY, 1%FU	<5	<0.2	28	7300
	Elevation: 1610	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		7	8	12	6

Comments: Fluorite and pyrite in subcrop below cliffs. Main gossan #15 zone.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCY, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130069	UTM 6815811.	N	UTM 348332.7	E	Strike Length Exp:	Metallics: >tr to 1%PY	<5	<0.2	34	5500
	Elevation: 1610	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		3	5	20	<2

Comments: Next big gossan west of #15. Talus sample over 25 metres.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130070	UTM 6816254.	N	UTM 347947.3	E	Strike Length Exp:	Metallics: 2-3%PY	<5	0.2	32	7100
	Elevation: 1580	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		6	27	124	<2

Comments: Talus at west end of first basin west of gossan #15.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130071	UTM 6816322.	N	UTM 348007.9	E	Strike Length Exp:	Metallics: 2-3%PY	<5	0.4	106	4100
	Elevation: 1560	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		3	6	96	<2

Comments: Talus on rock moraine west end of gossan #15 basin.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130072	UTM 6816275.	N	UTM 347790.8	E	Strike Length Exp: 4 m	Metallics: 1%PY	<5	<0.2	6	1900
	Elevation: 1525	m	Sample Width: 2	m	True Width: 2 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Vein		Host : Volcanics		6	5	20	200

Comments: Hanging wall trachyte above a large 1m+ quartz vein. Just into second basin working west from gossan #15 area.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCL, sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130073	UTM 6816169	N	UTM 347733.9	E	Strike Length Exp:	Metallics: 5-7%PY	<5	<0.2	6	700
	Elevation: 1580	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		4	7	134	86

Comments: Float boulder with good pyrite in knots and pods. Second basin west of gossan #15.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCL, sMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130074	UTM 6816035	N	UTM 347429.2	E	Strike Length Exp: 20+ m	Metallics: tr-1%PY	<5	<0.2	10	2600
	Elevation: 1625	m	Sample Width: 5	m	True Width: 5 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		4	9	10	8

Comments: Representative grab across gossanous outcrop. Second basin west of gossan #15.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130075	UTM 6816048	N	UTM 347322.1	E	Strike Length Exp:	Metallics: tr-1%PY	10	<0.2	6	3000
	Elevation: 1630	m	Sample Width: 10	m	True Width: 10 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		7	2	28	8

Comments: Along sidehill in lower gossanous outcrop in second basin west of gossan #15.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130076	UTM 6816103	N	UTM 347226.5	E	Strike Length Exp:	Metallics: 1-2%PY	<5	<0.2	10	740
	Elevation: 1640	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		7	5	58	26

Comments: Float from cliffs above in second basin west of gossan #15.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130077	UTM 6816222.	N	UTM 347008.0	E	Strike Length Exp:	Metallics: 2-3%PY	<5	0.2	16	1140
	Elevation: 1625	m	Sample Width: 2	m	True Width: 2 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		10	15	142	<2

Comments: 50cm x 2m area of fine-grained pyrite in silica altered volcanics. Second basin west of gossan #15.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130078	UTM 6814139	N	UTM 354220.2	E	Strike Length Exp:	Metallics: 1 to >!%PY	<5	<0.2	<2	6700
	Elevation: 1620	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		2	6	8	<2

Comments: Talus from cliffs on south side of basin - upper 1190 creek.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130079	UTM 6814019	N	UTM 354283.5	E	Strike Length Exp:	Metallics: 1 to >1% PY	<5	<0.2	12	4400
	Elevation: 1700	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		<1	6	34	<2

Comments: Talus from top chute in 1190 creek basin. Heavy staining (GE, JA, MN) on rocks, yet sulfides are rare.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130080	UTM 6813530	N	UTM 355257.9	E	Strike Length Exp:	Metallics: 1-2%PY	<5	<0.2	4	5800
	Elevation: 1715	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		3	9	12	<2

Comments: Taken in draw on west side of Fluorite basin.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130081	UTM 6812262.	N	UTM 356277.0	E	Strike Length Exp:	Metallics: 10-15%PY	<5	0.2	10	1940
	Elevation: 1645	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Argillites		5	9	42	4

Comments: South side of Willow Creek basin. Just on east side of first big gully with snow patch.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130082	UTM 6812119	N	UTM 356217.6	E	Strike Length Exp: 20+ m	Metallics: 1-5%PY	<5	0.2	42	7500
	Elevation: 1715	m	Sample Width: 5	m	True Width: 5 m	Secondaries: mGE, mJA, 1-2%FU	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 115°/30° SW		Bedding		Host : Volcanics		9	13	254	8

Comments: Taken up first gully on south side of Willow Creek basin.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130083	UTM 6812067	N	UTM 356212.5	E	Strike Length Exp:	Metallics: 2-10%PY	<5	1.2	28	1640
	Elevation: 1750	m	Sample Width: 2	m	True Width: 2 m	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		8	20	74	<2

Comments: Taken at top of first big chute on south side of Willow Creek basin.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130084	UTM 6812063	N	UTM 356235.9	E	Strike Length Exp: 20+ m	Metallics: 2-10%PY	<5	<0.2	12	3400
	Elevation: 1745	m	Sample Width: 3	m	True Width: 3 m	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Bedding		Host : Volcanics		7	7	80	<2

Comments: Same zone as 130083. Taken 10 metres east in east fork of first big gully in Willow Creek basin.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130085	UTM 6812257	N	UTM 356174.0	E	Strike Length Exp: 5 m	Metallics: 1 to >1% PY	<5	0.2	66	6600
	Elevation: 1660	m	Sample Width: 1	m	True Width: 1 m	Secondaries: sGE, sJA, 1-2%FU	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		10	10	16	14

Comments: Taken at base of second big gully on south side of Willow Creek basin.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130086	UTM 6812111.	N	UTM 356062.1	E	Strike Length Exp: 10 m	Metallics: 1-2%PY, 1%FU	<5	<0.2	22	8200
	Elevation: 1725	m	Sample Width: 2	m	True Width: 2 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		7	6	28	8

Comments: Taken up third gully west on south side of Willow Creek basin.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130087	UTM 6812246	N	UTM 356047.5	E	Strike Length Exp:	Metallics: 1-2%PY, 20-25%BA	<5	0.4	8	>10000
	Elevation: 1680	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		16	11	38	62

Comments: Float just before fourth big gully on south side of Willow Creek basin.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130088	UTM 6812228.	N	UTM 356033.7	E	Strike Length Exp:	Metallics: 2-3%PY	<5	<0.2	6	2700
	Elevation: 1685	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		8	4	24	14

Comments: Taken in lower fourth gully on south side of Willow Creek basin.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130089	UTM 6811565	N	UTM 356731.1	E	Strike Length Exp:	Metallics: trGL?, 1%PY, 1%SP?	<5	<0.2	6	4700
	Elevation: 1795	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		7	42	10	96

Comments: Taken on SE side of first small basin heading SE of Willow camp. Possible SP, GL, PY in amygdules.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130090	UTM 6811553	N	UTM 356717.6	E	Strike Length Exp:	Metallics: >1%GL?, 1%PY, >1%SP?	<5	<0.2	<2	4600
	Elevation: 1800	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		6	11	12	194

Comments: More PY and possibly SP,GL in amygdules. Lots of this in float. Taken 25m above 130089.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130091	UTM 6811241.	N	UTM 356488.7	E	Strike Length Exp:	Metallics: >1%PY	<5	0.2	12	2700
	Elevation: 1935	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		1	4	32	8

Comments: Taken from talus in gossan on upper west side gully in next main basin SE of Willow camp.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130092	UTM 6811182.	N	UTM 356644.8	E	Strike Length Exp:	Metallics: 1%PY	<5	<0.2	6	2100
	Elevation: 1830	m	Sample Width: 25	cm	True Width: 25 cm	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		1	5	14	58

Comments: Taken in lower gossan in gully on west side of main basin SE of Willow Creek basin.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130093	UTM 6811515.	N	UTM 356898.0	E	Strike Length Exp:	Metallics: 1-2%PY	<5	<0.2	8	2300
	Elevation: 1710	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		1	13	16	<2

Comments: Taken in lower gossan area on west side of first main creek, SE of Willow Creek valley.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sMS, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130096	UTM 6812782	N	UTM 355442.0	E	Strike Length Exp: 3 m	Metallics: 2-3%PY	<5	<0.2	<2	1640
	Elevation: 1740	m	Sample Width: 3	m	True Width: 3 m	Secondaries: sGE, sJA, 1%FU	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		5	6	18	4

Comments: Taken a representative grab across 3m exposed outcrop. Just east of main Fluorite creek draw. Up to 1%FU as well.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sMS, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130097	UTM 6812717.	N	UTM 355444.1	E	Strike Length Exp: 20+ m	Metallics: 2-3%PY	<5	0.2	6	2000
	Elevation: 1780 m		Sample Width: 2.5 m		True Width: 2.5 m	Secondaries: >1%FU	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		7	6	32	10

Comments: Taken above 130096 on east side of Fluorite creek. Gossanous outcrop. Representative grab across 2.5m.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCL?	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130098	UTM 6812607.	N	UTM 355490.7	E	Strike Length Exp: 10 m	Metallics: 1-5%PY	<5	<0.2	4	700
	Elevation: 1840 m		Sample Width: 5 m		True Width: 5 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		34	4	138	4620

Comments: Taken where I found the sphalerite last fall. Representative grab across outcrop for 5m. Flourite basin.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130099	UTM 6812655.	N	UTM 355694.3	E	Strike Length Exp:	Metallics: >1%PY	<5	0.2	28	1540
	Elevation: 1820 m		Sample Width: 20 m		True Width: 20 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		6	22	36	10

Comments: Taken in gossanous zone on east side of Fluorite basin.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130100	UTM 6812659	N	UTM 355745.7	E	Strike Length Exp: 20+ m	Metallics: 1%PY	<5	<0.2	12	6200
	Elevation: 1840 m		Sample Width: 5 m		True Width: 5 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		3	8	44	86

Comments: Representative grab across gossanous outcrop on spur 30m up from where base line crosses ridge - east side of Flourite basin.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130101	UTM 6811967	N	UTM 356192.3	E	Strike Length Exp: 150 m	Metallics: 5%PY	<5	0.6	<2	1100
	Elevation: 1805 m		Sample Width:	cm	True Width: 0 cm	Secondaries: mHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 080°/40°		Fault		Host : Tuff		<1	11	50	2

Comments: Fault gouge.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130102	UTM 6811973	N	UTM 356189.7	E	Strike Length Exp:	Metallics: 1%PY	<5	<0.2	2	1400
	Elevation: 1800 m		Sample Width: 150 cm		True Width: 0 cm	Secondaries: wHE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 080°/40° S				Host : Tuff?		<1	1	22	<2

Comments:

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wDO, wQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130103	UTM 6811977	N	UTM 356112.4	E	Strike Length Exp: 25 m	Metallics: 20%PY	<5	0.2	10	2500
	Elevation: 1795	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Tuff		2	1	24	<2
Comments:										

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130109	UTM 6817779	N	UTM 345451.6	E	Strike Length Exp: 30 m	Metallics: 10%PY	<5	<0.2	2	740
	Elevation: 1700	ft	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Tuff		<1	4	10	<2
Comments:	Fine-grained pyrite disseminated throughout. Slight bleaching.									

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wQZ, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130110	UTM 6817847.	N	UTM 345520.6	E	Strike Length Exp: 20 m	Metallics: 5%PY	<5	<0.2	2	2800
	Elevation: 1725	ft	Sample Width: 0	cm	True Width: 0	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Tuff		<1	1	20	<2
Comments:	High silica content. Fine-grained pyrite.									

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mMS, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130111	UTM 6807074.	N	UTM 358643.5	E	Strike Length Exp: 10 m	Metallics: 5%PY	<5	<0.2	20	4000
	Elevation: 1350	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wGE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte tuff		9	1	90	2
Comments:	No iron carbonate. Highly phyllitic.									

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130112	UTM 6807443.	N	UTM 358655.8	E	Strike Length Exp:	Metallics: 1%PY	<5	<0.2	<2	440
	Elevation: 1500	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte tuff (maroon coloured)		9	3	10	34
Comments:										

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wMS, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130113	UTM 6812661	N	UTM 355775.3	E	Strike Length Exp: 120 m	Metallics: <1%PY	<5	0.2	10	>10000
	Elevation: 1828	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mJA, wFU	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Bedding		Host : Tuff		3	15	8	8
Comments:	Pale grey pyritic trachyte with jarosite coating and abundant fine flourite.									

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130114	UTM 6812559.	N	UTM 355318.8	E	Strike Length Exp: 500 m	Metallics:	<5	<0.2	8	2200
	Elevation: 1830	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Bedding		Host : Trachyte		56	5	8	18

Comments: Pale cherty green trachyte with fine exhalative iron carbonate veinlets. 5-10% pyrite. Iron + jarosite coatings.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130115	UTM 6811627	N	UTM 355624.7	E	Strike Length Exp: 20 m	Metallics: 20%PY	<5	<0.2	<2	1000
	Elevation: 1775	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte flow?		<1	<1	54	<2

Comments: Banded pale green cherty trachyte. High sulphide content. Heavy jarosite coating. Small outcrop exposure - near argillite layer.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130116	UTM	N	UTM	E	Strike Length Exp: 15 m	Metallics:	<5	<0.2	14	640
	Elevation: 1530	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte		3	2	12	78

Comments: Slightly brecciated trachyte tuff with quartz and iron-glass porphry (iron carbonate poor).

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130117	UTM 6814396	N	UTM 352831.2	E	Strike Length Exp:	Metallics:	<5	<0.2	2	700
	Elevation: 1250	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte tuff		1	1	8	8

Comments: Slight sericite alteration. Pale grey tuff with minor quartz. Outcrop located above creek.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wMS, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130118	UTM 6813636.	N	UTM 352992.8	E	Strike Length Exp:	Metallics:	<5	0.6	12	>10000
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Pyritic argillite tuff		4	4	38	1770

Comments: Fine-grained disseminated pyrite stratigraphically below altered tuffs.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCA	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130119	UTM 6809894.	N	UTM 358780.0	E	Strike Length Exp: 60 m	Metallics:	<5	<0.2	2	3500
	Elevation: 1820	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Green andesite volcanic (porphyritic)		47	5	2	198

Comments: Iron carbonate infilling in veinlets and amygdules - above trachyte horizon.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCA	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130120	UTM 6809863	N	UTM 358652.7	E	Strike Length Exp: 40 m	Metallics: wPY	<5	<0.2	4	2600
	Elevation: 1835	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Bedding		Host : Green andesite tuff breccia		38	4	12	100
Comments:	Iron carbonate/tuff breccia. Sulphides in iron carbonate veins exhalative? Intrusive?									

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130121	UTM 6810127	N	UTM 359088.3	E	Strike Length Exp:	Metallics: 1%PY	<5	<0.2	6	740
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Chert?		1	5	8	10
Comments:	Green cherty (plus jarosite) zone. Possibly tuffaceous.									

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130122	UTM 6810126	N	UTM 359137.6	E	Strike Length Exp:	Metallics: 5%PY	<5	<0.2	<2	1240
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte		<1	5	24	4
Comments:	Small cherty trachyte zone.									

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130123	UTM 6810134.	N	UTM 359149.5	E	Strike Length Exp:	Metallics: 1%PY	<5	<0.2	2	1420
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte		2	6	2	8
Comments:	Tan (iron carbonate) trachyte with pyrite.									

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130124	UTM 6810229.	N	UTM 359213.3	E	Strike Length Exp:	Metallics: 2%PY	<5	<0.2	2	4000
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host :		1	1	10	<2
Comments:	Cherty green tuff.									

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130125	UTM 6810250	N	UTM 359230.8	E	Strike Length Exp:	Metallics: <1%PY	<5	<0.2	<2	1540
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Bedding		Host :		<1	3	10	2
Comments:	Pale grey cherty tuff.									

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130126	UTM 6810387	N	UTM 359331.1	E	Strike Length Exp:	Metallics: <1%PY	<5	<0.2	2	140
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host :		<1	18	36	12

Comments: Pale grey cherty tuff.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCB, wMS, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130127	UTM 6808948	N	UTM 358772.8	E	Strike Length Exp: 20 m	Metallics:	<5	<0.2	8	2830
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte tuff		4	3	<2	42

Comments: Tan trachyte tuff with green sericite pockets and iron carbonate. No sulphides.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130129	UTM 6809568.	N	UTM 358491.3	E	Strike Length Exp: 20 m	Metallics: <1%PY	<5	0.2	6	790
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Bedding		Host : Pale grey trachyte		10	7	8	4

Comments: In creek cut. Fault through creek. North wall is continuation of gossan.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCA	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130130	UTM 6804785	N	UTM 361039.6	E	Strike Length Exp: 18 m	Metallics:	<5	<0.2	<2	240
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Vein		Host : Argillite tuff.		2	1	6	24

Comments: Intensive calcite crystal growth (exhalative) in iron oxide. Argillite/tuff environment. Tan-white calcite with honeycomb texture. Located in Gossan 9.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130131	UTM 6804833.	N	UTM 361067.1	E	Strike Length Exp:	Metallics:	<5	<0.2	2	780
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Pale grey trachyte tuff		4	9	<2	20

Comments: Located above sample 130130. Gossanous outcrop. No in-situ creek.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130132	UTM 6805701	N	UTM 360421.7	E	Strike Length Exp: 5 m	Metallics: <1%PY	<5	<0.2	32	1780
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Bedding		Host : Trachyte flow		1	4	34	2

Comments: Pale grey/light green cherty tuff.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130133	UTM 6805746.	N	UTM 360277.1	E	Strike Length Exp:	Metallics: 1%PY	<5	<0.2	<2	1300
	Elevation:	m	Sample Width: 50	m	True Width: cm	Secondaries: wHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte		<1	3	10	2

Comments: Dark grey trachyte (silica). Located at top of large talus slope (Gossan 11).

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130134	UTM 6813427	N	UTM 356656.7	E	Strike Length Exp: 10 m	Metallics: 2%PY	<5	<0.2	28	>10000
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Bedding		Host : Trachyte tuff		9	17	12	6

Comments: Flouritic, pyritic trachyte near fault (120 degrees strike). Located at Willow Ridge.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130135	UTM 6813497.	N	UTM 356775.4	E	Strike Length Exp: 5 m	Metallics: >1%PY	<5	<0.2	14	6710
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte tuff		5	<1	10	14

Comments: Fine-grained pyrite in tan trachyte flow - unweathered.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wMS, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130136	UTM 6810320	N	UTM 359118.6	E	Strike Length Exp: 5 m	Metallics: <5%PY	<5	<0.2	10	1310
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte flow		5	5	20	10

Comments: Pale grey trachyte flow. High jarosite - disseminated pyrite. Located in Gossan 17 - Cirque.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCA, wMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130137	UTM 6810336	N	UTM 359126.5	E	Strike Length Exp:	Metallics: 1%PY	<5	<0.2	8	1360
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host :		4	7	2	14

Comments: Argillaceous tuff with fluorite vein. Pyrite <1%. Iron oxide + carbonate.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130138	UTM 6810378.	N	UTM 359167.2	E	Strike Length Exp:	Metallics: 30%PY	<5	0.2	<2	1290
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Black argillite		4	20	38	6

Comments: Pyrite seam (approximately 6 inches) in argillite.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130139	UTM 6810479	N	UTM 359247.9	E	Strike Length Exp:	Metallics: 20%PY	<5	<0.2	<2	670
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Argillite		3	4	18	6

Comments: Creek outcrop. High jarosite + iron oxide. Massive pyrite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mMS, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130140	UTM 6816153.	N	UTM 341896.8	E	Strike Length Exp:	Metallics: 10%PY	<5	1.6	44	4810
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte flow		15	10	36	64

Comments: Pyritic trachyte (pale green/grey). High sericite. Located in Gossan 20.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130141	UTM 6816114	N	UTM 341953.3	E	Strike Length Exp:	Metallics:	<5	<0.2	<2	1880
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte		24	8	26	222

Comments: 30% barite in sericite-rich trachyte. Located in Gossan 20.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mMS, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130142	UTM 6816345	N	UTM 342307.4	E	Strike Length Exp:	Metallics: 5%PY	<5	<0.2	10	1510
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte tuff		<1	4	16	4

Comments: Pyritic cherty green trachyte.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sMS, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130143	UTM 6816221.	N	UTM 342158.5	E	Strike Length Exp:	Metallics: 40%PY	<5	0.2	14	2220
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Pale green trachyte?		13	10	44	12

Comments: Altered massive pyrite zone (lens).

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wMS, wQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130144	UTM 6810776.	N	UTM 357232.5	E	Strike Length Exp:	Metallics: 80%PY	<5	1	22	560
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Bedding		Host : Trachyte tuff gouge		23	12	596	134

Comments: Pyritic gouge, sericite. Incompetant in jarosite rich trachyte (pyrite) creek. Located in Gossan 6.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130145	UTM 6810786.	N	UTM 357241.5	E	Strike Length Exp:	Metallics: <1%PY	<5	<0.2	10	2500
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Bedding		Host :		5	10	22	2

Comments: Iron oxide trachyte (pyrite). Located in Gossan 6.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130151	UTM 6817840.	N	UTM 344727.4	E	Strike Length Exp: 4 m	Metallics:	<5	<0.2	4	560
	Elevation: 1615	m	Sample Width: 15	cm	True Width: 15 cm	Secondaries: sHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Ferricrete		31	3	8	196

Comments: Ferricrete exposed in creek with argillite/shale clasts, green-grey volcanics and quartz-sericite schist.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wMS, w-mQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130152	UTM 6817437	N	UTM 344302.0	E	Strike Length Exp:	Metallics: 1%PY	<5	<0.2	6	1440
	Elevation: 1515	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Andesite?		1	6	10	<2

Comments: Gossanous float downstream of MB97-09 at 1515m elevation. Green-grey blebby, and disseminated pyrite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: ?CA, wMS, mQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130153	UTM 6817361	N	UTM 344164.5	E	Strike Length Exp:	Metallics: trPY	<5	<0.2	<2	440
	Elevation: 1505	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		<1	5	2	18

Comments: Rounded boulder up on stream bank, heavily iron oxide stained, minor boxwork. Quartz stockwork?

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: ?CL, wMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130154	UTM 6817207.	N	UTM 343987.8	E	Strike Length Exp:	Metallics: trPY	<5	<0.2	8	1800
	Elevation: 1465	m	Sample Width: 15	cm	True Width: 15 cm	Secondaries: trHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : (Andesite), sericite, chlorite schist		3	5	10	14

Comments: Green, quite heavy, baritic?

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wQZ, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130155	UTM 6821793.	N	UTM 342664.8	E	Strike Length Exp: 3 m	Metallics:	<5	2.2	8	2200
	Elevation: 1420	m	Sample Width: 1	m	True Width: 1 m	Secondaries: mHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 035°/80° SE		Fault		Host : Black shale		14	<1	8	32

Comments: Silicified shale in fault zone with weathered quartz stockwork.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130156	UTM 6821929.	N	UTM 342755.3	E	Strike Length Exp: m	Metallics:	<5	<0.2	<2	2700
	Elevation: 1450	m	Sample Width:	m	True Width: m	Secondaries: trGE, sHE, wJA, trMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Ferricrete		8	8	10	334

Comments: Ferricrete boulders in stream, and high on ravine banks.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: trMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130157	UTM 6823055.	N	UTM 342955.3	E	Strike Length Exp:	Metallics:	<5	<0.2	<2	690
	Elevation: 6200	ft	Sample Width: 10	cm	True Width: cm	Secondaries: ?GE, trHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Feldspar-quartz eye trachyte crystal tuff		1	3	<2	8

Comments: Quartz veinlet in silicified trachyte feldspar-quartz eye crystal tuff. No sulphides visible. Drusy quartz with open space quartz crystal growth.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wMS, ?SI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130158	UTM 6822626	N	UTM 342579.5	E	Strike Length Exp: 5 m	Metallics: trPY?	<5	<0.2	2	5000
	Elevation: 5800	ft	Sample Width: 15	cm	True Width: 15 cm	Secondaries: mGE, sHE, trJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte lapilli tuff.		1	3	18	<2

Comments: Gossanous outcrop. Heavily oxidized lapilli tuff – strong HE, medium GE. May be very fine pyrite as well.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130159	UTM 6822738	N	UTM 342786.8	E	Strike Length Exp:	Metallics: trPY	10	0.2	92	1700
	Elevation: 5620	ft	Sample Width: 5	cm	True Width: 0 cm	Secondaries: trGE, sHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Silicified trachyte tuff?		17	63	42	94

Comments: Small boulder 5x5x3cm in cirque drainage NE of Gossan #17. Abundant ferricrete boulders in float. Rock is silicified and stockworked.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: w-mMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130160	UTM 6818406	N	UTM 341250.7	E	Strike Length Exp:	Metallics: 2%PY	5	<0.2	6	760
	Elevation: 1520	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte tuff		4	10	20	<2

Comments: Rusty 5x5x3cm boulder in talus. Very fine-grained pyrite approximately 10m upslope of CL1502-9.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130161	UTM 6818057.	N	UTM 341783.5	E	Strike Length Exp:	Metallics: tr-0.5%PY	<5	<0.2	42	2300
	Elevation: 1705	m	Sample Width: 5	cm	True Width: 0 cm	Secondaries: mHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Fine-grained trachyte tuff		27	10	44	14

Comments: Rusty float boulder on top of ridge in small saddle. Weakly silicified, trace pyrite to 0.5% (patchy). Sericite alteration?

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCA, wMS, mQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130162	UTM 6818056.	N	UTM 341799.6	E	Strike Length Exp:	Metallics: ?PY, tr unidentifed black mi	<5	<0.2	<2	300
	Elevation: 1205	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Sericite schist (trachyte tuff)		<1	2	16	22

Comments: Quartz vein float. Quartz with calcite and ankerite. Trace unidentified black mineral.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130163	UTM 6813788.	N	UTM 354258.2	E	Strike Length Exp:	Metallics: 1-2%PY	<5	<0.2	12	1080
	Elevation: 1735	m	Sample Width: 10	cm	True Width: 0 cm	Secondaries: w-mHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Andesite?		28	1	2	16

Comments: Sericite/pyrite altered andesite (flow?). Very fine-grained pyrite. Massive texture to andesite (due to alteration?).

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCA, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130164	UTM 6813681	N	UTM 353934.3	E	Strike Length Exp:	Metallics: 1-3%PY	15	<0.2	20	620
	Elevation: 1625	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wGE, sHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Andesite tuff breccia		45	1	14	30

Comments: Silicified tuff breccia? with andesite fragments, massive and angular, 1-5cm in size. Rusty weathering. Many other in area. High in drainage above gossan #5.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130165	UTM 6813774.	N	UTM 353541.1	E	Strike Length Exp:	Metallics:	10	0.8	146	3600
	Elevation: 1390	m	Sample Width: 15	cm	True Width: cm	Secondaries: mGE, sHE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Ferricrete		45	14	156	388

Comments: Ferricrete float in hillside at lower limits of gossan # 5.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: trMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130166	UTM 6813374	N	UTM 354087.4	E	Strike Length Exp:	Metallics: 1%PY	<5	<0.2	<2	1000
	Elevation:	m	Sample Width: 15	cm	True Width: 15 cm	Secondaries: sHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Silicified trachyte tuff		5	3	26	2

Comments: Silicified tracyte tuff? Pyrite as disseminations throughout.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130167	UTM 6812196.	N	UTM 356705.9	E	Strike Length Exp: 10 m	Metallics: 3-5%PY	<5	<0.2	4	440
	Elevation: 1675	m	Sample Width: 15	cm	True Width: 15 cm	Secondaries: tr-wGE, sHE, wMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte tuff		3	13	16	216

Comments: Silicified trachyte tuff with disseminated pyrite. Vein-like hematite throughout. (Hematite after sulphide)?

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: ?CA, wMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130168	UTM 6811893.	N	UTM 356398.9	E	Strike Length Exp:	Metallics: 1-2%PY	<5	<0.2	2	3000
	Elevation: 1885	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Exhalative carbonate? Limestone?		1	8	10	202

Comments: Calcareous unit - dirty limestone? Pyrite blebs/clasts weakly schistose carbonate exhalite?

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wMS, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130169	UTM 6811780	N	UTM 356384.0.	E	Strike Length Exp:	Metallics: 1-2%PY	<5	<0.2	4	2500
	Elevation: 1925	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: trJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte tuff		1	7	6	6

Comments: Silicified trachyte tuff with very fine-grained disseminated pyrite. Occassionally lath-like pyrite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mSI, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130170	UTM 6811592.	N	UTM 356369.7	E	Strike Length Exp:	Metallics: 2-3%PY	<5	<0.2	<2	300
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mHE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte tuff.		1	14	28	4

Comments: Silicified trachyte tuff. 1-3% disseminated pyrite, massive, grey.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: 3%SI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130171	UTM 6805697	N	UTM 360162.6	E	Strike Length Exp: 4 m	Metallics: trPY	<5	<0.2	6	660
	Elevation: 1480	m	Sample Width: 15	cm	True Width: 15 cm	Secondaries: trHE, trJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Silicified ash tuff?		<1	6	14	<2

Comments: Light grey fine-grained, silicified. Slightly heavy - possibly baritic.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: trMS, wQZ, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130172	UTM 6805680	N	UTM 360608.8	E	Strike Length Exp:	Metallics: 1-2%PY	<5	<0.2	8	1220
	Elevation: 1665	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mHE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Silicified trachyte tuff.		<1	6	10	6

Comments: Similar to other trachyte tuffs that have been silicified. Pyrite disseminated in massive very fine-grained tuff.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: 1%MS, 1%SI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130173	UTM 6811854.	N	UTM 357186.6	E	Strike Length Exp:	Metallics: 3%PY	<5	0.4	12	380
	Elevation: 1635	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: w-mHE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte tuff		3	9	26	<2

Comments: Altered tuff - possibly lithic tuff. Pyrite as masses and blebs - possibly clasts.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wMS, w-mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130174	UTM 6810900	N	UTM 357007.5	E	Strike Length Exp:	Metallics: 1%PY	<5	<0.2	12	1140
	Elevation: 1775	m	Sample Width: 15	cm	True Width: 15 cm	Secondaries: w-mHE, sJA, wMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Fine-grained trachyte tuff.		5	6	16	28

Comments: Jarosite stained outcrop of fine-grained trachyte tuff. Disseminated pyrite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wCA, wMS, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130175	UTM 6811321	N	UTM 357018.7	E	Strike Length Exp:	Metallics: 1%PY	<5	<0.2	8	2800
	Elevation: 1645	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sHE, wJA, wMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte tuff (lithic)		2	4	12	52

Comments: Rusty boulder 5x5x7cm in size with 1.0-1.5cm clots of pyrite. Probably a trachyte lithic tuff.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130176	UTM 6808370.	N	UTM 357613.8	E	Strike Length Exp: 2 m	Metallics:	<5	<0.2	4	3700
	Elevation: 1755	m	Sample Width: 15	cm	True Width: 15 cm	Secondaries: trHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Chert		4	1	6	2

Comments: Grey chert cut by quartz veinlets (milky-white). Heavy - possibly baritic?

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130177	UTM 6808359	N	UTM 357639.3	E	Strike Length Exp: 1.5 m	Metallics: <0.5%PY	<5	<0.2	<2	4700
	Elevation: 1760	m	Sample Width: 50	cm	True Width: 15 cm	Secondaries: trHE, trJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Chert		13	1	2	18

Comments: Pyrite disseminated throughout as cubes. Weakly stained by iron oxides.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130178	UTM 6809189.	N	UTM 356738.4	E	Strike Length Exp: 15 m	Metallics:	<5	<0.2	8	3700
	Elevation: 1875	m	Sample Width: 10	cm	True Width: 10 cm	Secondaries: wHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Chert		40	2	<2	40

Comments: Green and buff banded chert with wJA and wHE staining on fracture.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCA, wAK, ?BA	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130179	UTM 6798967.	N	UTM 368957.1	E	Strike Length Exp:	Metallics:	<5	0.2	6	200
	Elevation: 1700	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Dolomite		<1	1	<2	16

Comments: Dolomite with 2-3cm calcite veinlets, brecciated. Quite heavy. Possible barite?

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wCA	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130180	UTM 6798991	N	UTM 369027.7	E	Strike Length Exp:	Metallics:	<5	0.8	132	220
	Elevation: 1655	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Dolostone		<1	5	98	2

Comments: Rusty boulders of dolomite with ferricrete. Weak calcite veining.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wQZ, sBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130181	UTM 6798976	N	UTM 369135.7	E	Strike Length Exp:	Metallics: <0.5%GL	<5	1.2	10	>10000
	Elevation: .595	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: trHE, trJA, trMC	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Barite-quartz vein		47	1	2200	80

Comments: Blue-grey, very fine-grained mineral in vein of barite and quartz. Galena, malachite on some fractures.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wQZ, sBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130182	UTM 6798996.	N	UTM 369104.0	E	Strike Length Exp:	Metallics: 1%GL, trPY, ?TT	<5	9.6	52	>10000
	Elevation: 1620	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: trAZ, trHE, trMC	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Barite-quartz vein		181	<1	9650	1770

Comments: Galena and/or tetrahedrite with barite >> quartz vein. Sulphide as masses and stringers.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mQZ, mSI, trBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130183	UTM 6798995	N	UTM 369119.0	E	Strike Length Exp:	Metallics: 1%GL, ?TT	<5	0.2	2	3100
	Elevation: 1605	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: trAZ, tr-wHE, trMC	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Silicified dolomite		4	1	1835	52

Comments: Blue-grey masses of galena in vein quartz in silicified dolomite. Traces of malachite and azurite. Tetrahedrite? Trace of barite. Little or no barite compared to 130182.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: trCB, wSI, mAK	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130184	UTM 6807829.	N	UTM 360463.0	E	Strike Length Exp: 3 m	Metallics: ?SP	<5	<0.2	6	1270
	Elevation: 1905	m	Sample Width: 35	cm	True Width: 35 cm	Secondaries: w-mHE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 115°/75° S		Bedding		Host : Interbedded shale, ash tuff, lapilli tuff		3	6	6	80

Comments: Brown-yellow weathering. Shale / ash tuff / lapilli tuff (felsic?). Possibly very fine sphalerite in ankerite altered blebs.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: 1%MS, 2%SI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130185	UTM 6807833.	N	UTM 360489.0	E	Strike Length Exp: 4 m	Metallics: <0.5%PY	<5	<0.2	8	850
	Elevation: 1900	m	Sample Width: 3	m	True Width: 2.5 m	Secondaries: sHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte tuff		2	10	30	<2

Comments: Red weathering, grey trachyte tuff. Pyrite weakly disseminated and in veinlets.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCA, mQZ, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130186	UTM 6807944.	N	UTM 360612.0	E	Strike Length Exp: 3 m	Metallics: 1%PY, ?SP	<5	0.2	8	690
	Elevation: m		Sample Width: 10 cm		True Width: 10 cm	Secondaries: trHE, trJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 250°/75° NW		Vein		Host : Trachyte tuff		19	10	250	10

Comments: Quartz-calcite-pyrite-sphalerite? veinlet 4cm wide. Sample vein and wallrock.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: 1%MS, 2%SI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130187	UTM 6808806	N	UTM 360748.9	E	Strike Length Exp: 10 m	Metallics: 1%PY	<5	<0.2	8	1810
	Elevation: 1650 m		Sample Width: 4 m		True Width: 1 m	Secondaries: mHE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte ash tuff?		1	7	12	2

Comments: Small gossanous outcrop with rusty weathered grey ash tuff (trachytic). One percent disseminated pyrite (minor pyrite blebs).

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: 1%MS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130188	UTM 6808576.	N	UTM 360883.9	E	Strike Length Exp: 20 m	Metallics: 3%PY	<5	<0.2	2	820
	Elevation: 1725 m		Sample Width: 15 cm		True Width: 15 cm	Secondaries: strong - intense HE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte ash tuff?		1	3	8	<2

Comments: Very strongly silicified trachyte ash tuff? Flow? Very finely disseminated pyrite. Dark red weathering.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130189	UTM 6808570.	N	UTM 360896.9	E	Strike Length Exp: 20 m	Metallics: 2-3%PY	<5	<0.2	4	1070
	Elevation: 1730 m		Sample Width: 35 cm		True Width: 30 cm	Secondaries: sHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Silicified ash tuff.		1	1	14	<2

Comments: Five metres upslope of 130188. Dark grey to black groundmass with disseminated pyrite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130190	UTM 6808282	N	UTM 360594.8	E	Strike Length Exp: 25+ m	Metallics: ?PY	<5	0.6	50	160
	Elevation: 1705 m		Sample Width: 2 m		True Width: 15 cm	Secondaries: mHE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 090°/35° S		Bedding		Host : Graphitic black shale		66	21	30	198

Comments: Rusty black shale, graphitic. No visible sulphides.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: 1%MS, 2%SI, trFL	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130191	UTM 6808190.	N	UTM 360463.1	E	Strike Length Exp:	Metallics: trace - 0.5%PY	<5	<0.2	14	1000
	Elevation: 1710 m		Sample Width: 10 cm		True Width: 0 cm	Secondaries: wHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Silicified tuff		10	14	4	14

Comments: Weakly rusty weathering silicified grey-green ash tuff with trace - 0.5% pyrite and trace fluorite.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: 1%MS, 2%SI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130192	UTM 6807972	N	UTM 360336.1	E	Strike Length Exp:	Metallics: 7%PY	<5	0.2	8	590
	Elevation: 1760	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte tuff?		1	4	28	2

Comments: 5x5x3 cobble of silicified trachyte tuff. Grey-green in colour. Carbonate (ankerite) leached away leaving boxwork-style texture.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130193	UTM 6807914	N	UTM 360277.9	E	Strike Length Exp:	Metallics:	<5	<0.2	6	20
	Elevation: 1915	m	Sample Width:	cm	True Width: cm	Secondaries: tr-wHE, tr-wMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Chert		2	6	2	8

Comments: Rusty red chert. Traces of iron oxide (after pyrite?). Trace to weak manganese stain.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCA, wMS, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130194	UTM 6807906.	N	UTM 360271.9	E	Strike Length Exp: 20+ m	Metallics: 1%PY	<5	<0.2	18	490
	Elevation: 1915	m	Sample Width: 35	cm	True Width: 15 cm	Secondaries: mHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Amygdaloidal andesite		44	6	14	40

Comments: Buff with pale green andesite (amygdaloidal). Pyrite replaces ankerite? in amygdules.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: trCA, wDO	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130195	UTM 6812827	N	UTM 357130.2	E	Strike Length Exp:	Metallics: 3-4%PY	<5	<0.2	2	680
	Elevation: 1470	m	Sample Width: 25	cm	True Width: 0 cm	Secondaries: wGE, wHE, trJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Argillite?		22	4	16	10

Comments: 1.0 x 0.75 x ? metre boulder on banks of creek (NE fork - Willow Creek). Blebs of pyrite - replacing calcite-dolomite spherical masses.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wSI?, w-mAK	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130196	UTM 6812847	N	UTM 357151.1	E	Strike Length Exp:	Metallics: wGE. wHE	<5	0.8	8	130
	Elevation: 1470	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: wGE, wHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Laminated pyrite/shale		27	12	40	14

Comments: 0.75 x 0.30 x 0.60m boulder of laminated pyrite and shale. One mm pyrite bands. Cut by AK veinlets.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: ?SI, wAK	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130197	UTM 6812879.	N	UTM 357145.8	E	Strike Length Exp:	Metallics: 1%PY	<5	0.6	22	1770
	Elevation: 1470	m	Sample Width: 10	cm	True Width: 0 cm	Secondaries: wGE, wHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Argillaceous lapilli tuff		5	6	24	10

Comments: 10x15x15cm boulder of black lapilli tuff with argillaceous matrix. Fragments 1mm - 3cm trachyte and argillite fragments, lensey pyrite, and pyrite clasts.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mMS, wSI, wAK	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130198	UTM 6812971.	N	UTM 357136.3	E	Strike Length Exp:	Metallics: 1%PY	<5	<0.2	10	2200
	Elevation: 1465	m	Sample Width: 25	cm	True Width: cm	Secondaries: trGE, wHE, trJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte crystal - ash tuff.		4	10	22	18

Comments: 3x3x?m boulder? in bank of creek. Light green to milky green. Pyrite disseminated and as fine veinlets.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wSI?	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130199	UTM 6812975.	N	UTM 357146.8	E	Strike Length Exp:	Metallics: 60%PY	<5	0.6	26	700
	Elevation: 14?	m	Sample Width: 25	cm	True Width: 25 cm	Secondaries: wHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Black shale		3	34	38	24

Comments: 20cm massive pyrite bed in black shale boulder 40x20x?cm partially buried. See photo. Float.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wMS, wSI, wAK	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130200	UTM 6812992	N	UTM 357185.6	E	Strike Length Exp: 3 m	Metallics: 0.5%PY	<5	<0.2	12	1030
	Elevation: 14	m	Sample Width: 40	cm	True Width: 40 cm	Secondaries: wGE, sHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte		30	4	<2	24

Comments: Trachyte flow / tuff? outcrop. Rusty weathering. Disseminated pyrite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wFU, sMS, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130201	UTM 6816918	N	UTM 342890.4	E	Strike Length Exp:	Metallics: 1%PY	<5	<0.2	14	660
	Elevation: 1600	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Felsic Volcanic		1	3	22	6

Comments: Float from boulder field. Silicified, fracture controlled fluorite + carbonate and disseminated pyrite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCB, IQZ (intense quartz)	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130202	UTM 6816901.	N	UTM 342911.8	E	Strike Length Exp:	Metallics: 1%PY	<5	<0.2	38	340
	Elevation: 1600	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Silicified volcanic breccia?		1	4	24	6

Comments: Disseminated pyrite in brecciated rhyolite? with siderite fracture fill.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mQZ, mFU	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130203	UTM 6816901	N	UTM 342912	E	Strike Length Exp:	Metallics: 3%PY	<5	0.2	40	520
	Elevation: F	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Silicified felsic volcanic.		1	3	48	<2

Comments: Float block in talus.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North: 600 N	Grid East: 31975 E	Type: Float	Alteration: ?MS, ?SI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130204	UTM 6808074 N	UTM 360252.0 E	Strike Length Exp:	Metallics: 10%PY	<5	<0.2	14	2000
	Elevation: m	Sample Width: 0 cm	True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Host : Felsic tuff clast breccia.		2	8	60	2

Comments: Matrix supported tuff clast breccia; poorly sorted. Matrix flooded with quartz-pyrite + ? and sericite, altered tuff fragments.

Sample Number:	Grid North: 6000 N	Grid East: 32150 E	Type: Float	Alteration: mMS, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130205	UTM 6807938. N	UTM 360364.0 E	Strike Length Exp:	Metallics: 15%PY	<5	<0.2	10	590
	Elevation: m	Sample Width: 0 cm	True Width: 0 cm	Secondaries: wGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Host : Quartz-scapolite altered matrix supported tuff? breccia.		3	1	30	<2

Comments: Matrix supported tuff breccia with 20% tuff fragments and aphanitic matrix fragments replaced by SC-QZ-PY (sericite-MS?), matrix QZ flooded.

Sample Number:	Grid North: N	Grid East: E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130206	UTM 6807542 N	UTM 360781.8 E	Strike Length Exp:	Metallics:	<5	<0.2	2	580
	Elevation: 1810 m	Sample Width: 0 cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Host :		4	5	10	12

Comments: 15m east of claim post #1, Den 142.

Sample Number:	Grid North: N	Grid East: E	Type: Grab	Alteration: mMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130207	UTM 6807539. N	UTM 360785.3 E	Strike Length Exp:	Metallics: 90%PY	<5	<0.2	24	2250
	Elevation: m	Sample Width: 10 cm	True Width: 10 cm	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Host : Aphanitic felsic volcanic		14	14	42	2

Comments: Sulphide veinlets exposed at gossan # 6.

Sample Number:	Grid North: N	Grid East: E	Type: Float	Alteration: wCB, sMS, wQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130251	UTM 6812063. N	UTM 356089.2 E	Strike Length Exp:	Metallics: 6%PY	<5	<0.2	12	360
	Elevation: 1755 m	Sample Width: 0 cm	True Width: 0 cm	Secondaries: sGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Host : HE grey trachyte lapilli tuff		3	13	70	10

Comments: 2-5mm flatted trachyte lapilli in a trachyte matrix. One to five percent fragments, massive fine-grained pyrite up to 3cm long. Possible regrown sphalerite. Subcrop.

Sample Number:	Grid North: N	Grid East: E	Type: Chip	Alteration: wCA, sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130252	UTM 6812014 N	UTM 356078.5 E	Strike Length Exp:	Metallics: 5%PY	5	<0.2	84	2100
	Elevation: 1785 m	Sample Width: 1.2 m	True Width: 1.2 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 120°/25° SW		Host : Trachytic + argillaceous tuff.		6	14	84	54

Comments: Abundant gypsum precipitate. Approximately 2m section of strongly altered trachytic tuff with irregular lensy massive pyrite. Highly fissile, crumbly. FW is QZ-MS-FU alteration amygdaloidal trachyte (rough chip).

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130253	UTM 6817488	N	UTM 345331.8	E	Strike Length Exp:	Metallics: 6%PY	<5	<0.2	2	1160
	Elevation: 1740	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : QZ-PY altered trachyte tuff.		<1	9	6	<2

Comments: Intense alteration mineralization zone. Intense silica pyrite alteration with up to 10% - 15% pyrite dissemination. Outward alteration is MS-CY+/-PY.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130254	UTM 6817318.	N	UTM 345428.5	E	Strike Length Exp:	Metallics: 3%PY	<5	1.2	40	1500
	Elevation: 1755	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Black carbonaceous argillite.		1	26	36	<2

Comments: Jet black argillite. Minor jarosite. Possible fine-grained syngenetic pyrite bands.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sMS, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130255	UTM 6816976	N	UTM 345643.0	E	Strike Length Exp:	Metallics: 7%PY	10	<0.2	8	900
	Elevation: 1735	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 048°/27° SE				Host : QZ-MS-PY altered trachytic tuff.		1	10	34	4

Comments: Sixty centimeter zone of heavier pyrite mineralization confined to lapilli tuff section. Mainly disseminated pyrite but also possible pyrite fragments.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wCY, sQZ, sBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130256	UTM 6816839	N	UTM 345706.0	E	Strike Length Exp:	Metallics: trPY	<5	<0.2	4	>10000
	Elevation: 1760	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : QZ-BA-PY altered amygdaloidal trachyte.		2	1	10	<2

Comments: Subcrop beneath ankerite altered amygdaloidal trachyte bleached QZ-BA altered amygdaloidal trachyte trace pyrite. Barite as veins + pervasive alteration filling amygdules. Zone only in talus visible, 20-30m strike.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wMS, mQZ, wBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130257	UTM 6816905	N	UTM 345706.6	E	Strike Length Exp:	Metallics: 7%PY	<5	<0.2	10	2100
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 165°/18° W		Bedding		Host : Laminated QZ-PY altered trachytic ash tuff.		2	3	30	<2

Comments: In sequence of interlaminated trachytic ash tuff and siliceous argillite. Sample is of strongly pyritic ash tuff with disseminated pyrite and possible barite (syngenetic pyrite?).

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCL, sMS, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130258	UTM 6816919.	N	UTM 345719.2	E	Strike Length Exp:	Metallics: 6%PY	<5	<0.2	2	1700
	Elevation: 1725	m	Sample Width: 3	cm	True Width: 3 cm	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 140°/59° W				Host : QZ-MS-PY altered trachytic tuff		1	2	14	112

Comments: At base, ash tuff argillite. Trachytic tuff strongly altered and pyritized. Local 5mm pyrite porphyroblasts. Some material seems baritic.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wMS, sQZ, mBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130259	UTM 6815659	N	UTM 348868.8	E	Strike Length Exp:	Metallics: trPY	<5	<0.2	<2	4300
	Elevation: 1545	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Quartz crystal trachytic tuff with BA-QZ alteration.		1	1	16	<2

Comments: Rusty talus fan mainly gossanous trachytic tuff. Ten to twenty percent of tuff is altered by barite, although some of the barite could be clastic (ie. QZ-BA trachytic tuff).

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sMS, wQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130260	UTM 6815818	N	UTM 348557.7	E	Strike Length Exp: 10 m	Metallics: 7%PY	<5	0.2	6	1200
	Elevation: 1610	m	Sample Width: 25	cm	True Width: 25 cm	Secondaries: sGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 103°/23° S		Bedding		Host : Dark grey pyritic trachyte lapilli tuff with argillite.		4	7	28	<2

Comments: 3-10mm white sericite altered volcanic fragments in a grey argillaceous tuff matrix. Pyrite as ragged masses, perhaps as replacements or primary sulphide clasts. Unit 30-80cm thick but complex volcaniclastic section.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wMS, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130261	UTM 6815878	N	UTM 348143.3	E	Strike Length Exp:	Metallics: 20%PY	<5	<0.2	24	980
	Elevation: 1625	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Silicified + pyritized trachyte		17	16	30	6

Comments: Talus below extensive gossan. Pyrite finely disseminated in a blocky equigranular siliceous rock. Very homogeneous. May be dacite intrusive/flow.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130262	UTM 6815966.	N	UTM 348070.0	E	Strike Length Exp:	Metallics: 10%PY	<5	<0.2	6	1600
	Elevation: 1605	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 100°/25° S		Bedding		Host : Black argillite with pyritic and trachytic lapilli.		3	8	22	<2

Comments: Black matrix of argillite with 2mm - 10mm sericitic lapilli. Some are pyritic trachyte. Other fragments 100% pyrite but pyrite finely crystalline and may be replacing fragments.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mMS, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130263	UTM 6815948.	N	UTM 348082.8	E	Strike Length Exp: >10 m	Metallics: 25%PY	<5	<0.2	22	1680
	Elevation: 1615	m	Sample Width: 20	cm	True Width: 20 cm	Secondaries: sGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 100°/25° S		Bedding		Host : Massive pyrite in QZ+/-MS altered trachytic tuff.		3	5	22	<2

Comments: Approximately 4-5m band of argillaceous heterolithic trachyte-argillite lapilli tuff sample of strongly pyritic section of finer grained tuff.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB, sMS, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130264	UTM 6815870.	N	UTM 347959.8	E	Strike Length Exp: 20 m	Metallics: 20%PY	<5	0.2	26	200
	Elevation: 1715	m	Sample Width: 1	m	True Width: 1 m	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 145°/30° SW				Host : Mineralized dolomite clastic breccia.		3	15	330	40

Comments: 2m-1m pyritic zone 2m above bomb tuff breccia contact. Zone is conformable but mineralization looks like replacement. Note a number of feldspar porphyritic fragments often mineralized along this horizon.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:		Grid East:		Type: Select		Alteration: wCY, sMS, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130301	UTM 6816283	N	UTM 346702.0	E	Strike Length Exp: 20+ m		Metallics: 1 to >1%PY	<5	<0.2	10	2500
	Elevation: 1620	m	Sample Width: 5	m	True Width: 5	m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics			6	6	98	16

Comments: Taken right above drop spot part way along the ridge east of gossan #16.

Sample Number:	Grid North:		Grid East:		Type: Float		Alteration: sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130302	UTM 6816363.	N	UTM 346542.3	E	Strike Length Exp:		Metallics: 1%AS, 1 to >1% PY, 1%SB	<5	<0.2	6	580
	Elevation: 1660	m	Sample Width: 0	cm	True Width: 0	cm	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics			17	5	12	6

Comments: Bluish black needle shaped crystals in bunches and singles. Could be stribnite or AS. Just west of drop spot, east of gossan #16.

Sample Number:	Grid North:		Grid East:		Type: Grab		Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130303	UTM 6816794.	N	UTM 345808.0	E	Strike Length Exp:		Metallics: 1-2%PY	<5	<0.2	12	>10000
	Elevation: 1730	m	Sample Width: 10	m	True Width: 10	m	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics			3	13	170	<2

Comments: Small 15x15m gossan in main #16 gossan. Ten metre representative grab. Minor FU.

Sample Number:	Grid North:		Grid East:		Type: Float		Alteration: sCB, mQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130304	UTM 6816861	N	UTM 345713.1	E	Strike Length Exp:		Metallics: trPY, 1%SP	<5	0.2	6	500
	Elevation: 1735	m	Sample Width: 0	cm	True Width: 0	cm	Secondaries: wGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics			4	18	<2	7220

Comments: Quartz, calcite float with pyrite + sphalerite about 200m east of gossan #18.

Sample Number:	Grid North:		Grid East:		Type: Float		Alteration: sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130305	UTM 6816840.	N	UTM 345696.2	E	Strike Length Exp:		Metallics: >1%PY, >1%Sb?	<5	<0.2	6	>10000
	Elevation: 1770	m	Sample Width: 0	cm	True Width: 0	cm	Secondaries: wGE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic			3	3	30	10

Comments: More needle crystal mineral by MB 130256. Mark's barite sample is 30m up slope from 130304. East of gossan #18.

Sample Number:	Grid North:		Grid East:		Type: Float		Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130306	UTM 6812783.	N	UTM 356287.7	E	Strike Length Exp:		Metallics: tr->1%PY, 1%SP	<5	<0.2	2	2000
	Elevation: 1620	m	Sample Width: 0	cm	True Width: 0	cm	Secondaries: wGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics			1	4	<2	106

Comments: Just west of camp on north shoulder of ridge. Sphalerite disseminated and in amygdules 15m at 340 degrees from L 9700E/5300N.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:		Grid East:		Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130307	UTM 6812794.	N	UTM 356100.5	E	Strike Length Exp:	Metallics: trPY, 1%SP	<5	<0.2	2	1840
	Elevation: 1705	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		3	3	4	14

Comments: Taken up slope from 4 or 5 other rocks seen with sphalerite beween 130306 and 130307. Vesicular volcanics with SP/PY disseminated and in amygdules.

Sample Number:	Grid North:		Grid East:		Type: Float	Alteration: sSi	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130308	UTM 6812452	N	UTM 355723.7	E	Strike Length Exp:	Metallics: 1-3%PY, tr-5%FU	<5	<0.2	6	>10000
	Elevation: 1870	m	Sample Width: 50	m	True Width: 50 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		5	4	26	2

Comments: Representative grab for 50m across gossaned talus slope. West side of camp basin.

Sample Number:	Grid North:		Grid East:		Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130309	UTM 6812409.	N	UTM 355724.8	E	Strike Length Exp:	Metallics: 1-2%PY, 2-3%FU	<5	<0.2	12	>10000
	Elevation: 1865	m	Sample Width: 10	m	True Width: 10 m	Secondaries: sGE, sJA, wMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		6	4	22	2

Comments: Representative grab across outcrop on east end of 130307. West side of camp basin.

Sample Number:	Grid North:		Grid East:		Type: Grab	Alteration: mCY, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130310	UTM 6812277	N	UTM 355796.3	E	Strike Length Exp:	Metallics: 2-3%PY	<5	<0.2	12	2900
	Elevation: 1830	m	Sample Width: 3	m	True Width: 3 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		11	49	38	2

Comments: Taken at base of cliffs - 3m representative grab - west side of camp basin.

Sample Number:	Grid North:		Grid East:		Type: Float	Alteration: sCY, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130311	UTM 6808897	N	UTM 357259.3	E	Strike Length Exp:	Metallics:	<5	1.2	14	900
	Elevation: 1640	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Sediments		41	3	<2	672

Comments: Float in first main SW flowing creek west of drop spot. Taken in upper west side draw.

Sample Number:	Grid North:		Grid East:		Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130312	UTM 6808940	N	UTM 357226.5	E	Strike Length Exp:	Metallics: trPY	<5	1.8	6	500
	Elevation: 1675	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Sediments		22	2	<2	60

Comments: Float taken above 130311. Top west side draw in first SW flowing creek west of drop spot.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:		Grid East:		Type: Grab	Alteration: mMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130313	UTM 6804046.	N	UTM 362316.1	E	Strike Length Exp:	Metallics: trPY	<5	<0.2	8	3000
	Elevation: 1685	m	Sample Width: 5	m	True Width: 5 m	Secondaries: m-sGE, m-sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		3	5	18	12
Comments:	Representative grab across gossan on east side of creek on gossan #9.									

Sample Number:	Grid North:		Grid East:		Type: Grab	Alteration: sMS, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130314	UTM 6803827	N	UTM 362210.0	E	Strike Length Exp:	Metallics:	<5	<0.2	38	1000
	Elevation: 1640	m	Sample Width: 5	m	True Width: 5 m	Secondaries: sGE, sJA, sMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		3	15	<2	834
Comments:	Representative grab across ferricrete zone. Same location as MB4903?									

Sample Number:	Grid North:		Grid East:		Type: Grab	Alteration: mMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130315	UTM 6803922.	N	UTM 362212.5	E	Strike Length Exp:	Metallics: trPY	<5	<0.2	16	7500
	Elevation: 1680	m	Sample Width: 5	m	True Width: 5 m	Secondaries: wGE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		4	10	10	4
Comments:	Taken in gossan #9, 20m above MB 4904-4923 on map. Representative grab across outcrop for 5m.									

Sample Number:	Grid North:		Grid East:		Type: Grab	Alteration: sFE	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130316	UTM 6803984	N	UTM 361987.6	E	Strike Length Exp:	Metallics:	<5	0.2	16	280
	Elevation: 1625	m	Sample Width: 10	m	True Width: 10 m	Secondaries: sGE, sJA, sMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Ferricrete		1	7	<2	374
Comments:	Representative grab across ferricrete zone. Gossan # 9.									

Sample Number:	Grid North:		Grid East:		Type: Float	Alteration: sCY	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130317	UTM 6804192.	N	UTM 361754.4	E	Strike Length Exp:	Metallics:	<5	<0.2	46	440
	Elevation: 1610	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		2	12	10	552
Comments:	Float taken in main gossan # 9 creek bed. Dark brown wavy stringers could be fine-grained SP.									

Sample Number:	Grid North:		Grid East:		Type: Grab	Alteration: sFE	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130318	UTM 6804295.	N	UTM 361797.2	E	Strike Length Exp:	Metallics:	<5	1.8	32	800
	Elevation: 1660	m	Sample Width: 5	m	True Width: 5 m	Secondaries: sGE, sJA, sMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Ferricrete		7	9	<2	70
Comments:	Representative grab across ferricrete zone in gossan # 9 creek.									

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130319	UTM 6820034	N	UTM 345117.2	E	Strike Length Exp:	Metallics: >1%PY, >1%SP?	<5	<0.2	<2	1440
	Elevation: 1510	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		1	3	6	18

Comments: Taken north of Fairbanks mineral occurrence. Above small pond. Possible honey sphalerite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130320	UTM 6819982	N	UTM 345081.3	E	Strike Length Exp:	Metallics: >1%PY	<5	<0.2	4	1600
	Elevation: 1545	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		1	4	8	28

Comments: Quartz-barite float on side hill above 130319.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130321	UTM 6819956	N	UTM 345045.3	E	Strike Length Exp:	Metallics: >1%PY	<5	<0.2	2	2400
	Elevation: 1555	m	Sample Width: 2.5	m	True Width: 2.5 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 065°/65° SE		Bedding		Host : Volcanics		1	4	6	76

Comments: Quartz-barite outcrop. Representative grab over 2.5m. Exposed on top of small ridge. Fairbanks area. Bedded quartz-barite on contact with phyllites.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130322	UTM 6819603.	N	UTM 344848.8	E	Strike Length Exp:	Metallics: 2-3%PY	<5	<0.2	14	100
	Elevation: 1690	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Phyllites		466	<1	<2	10

Comments: Side hill talus just into Fairbanks basin. Siderite-calcite float.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130323	UTM 6804562.	N	UTM 361288.1	E	Strike Length Exp:	Metallics: trPY	<5	<0.2	20	3010
	Elevation: 1620	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		11	9	48	54

Comments: Barite-quartz float. Lower east side draw in first main creek west of gossan # 9 creek. Banded, folded barite, "Barite Basin".

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130324	UTM 6804639.	N	UTM 361366.9	E	Strike Length Exp:	Metallics:	<5	<0.2	6	2800
	Elevation: 1625	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		<1	6	14	<2

Comments: Baritic volcanic float. Lots of this here. East side of "Barite Basin".

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCY, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130325	UTM 6804550	N	UTM 361506.9	E	Strike Length Exp:	Metallics:	<5	<0.2	8	5280
	Elevation: 1725 m		Sample Width: 50 m		True Width: 50 m	Secondaries: wGE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		1	4	10	10

Comments: Representative grab for 50m across subcrop talus. Mixed barite-quartz in volcanics cause weak gossan. East side of "Barite Basin".

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: m-sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130326	UTM 6804746.	N	UTM 361692.6	E	Strike Length Exp:	Metallics:	<5	<0.2	8	1660
	Elevation: 1745 m		Sample Width: 30 m		True Width: 30 m	Secondaries: wGE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		1	4	24	8

Comments:

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCL	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130327	UTM 6804771.	N	UTM 361718.9	E	Strike Length Exp:	Metallics:	<5	1.4	10	2230
	Elevation: 1745 m		Sample Width: 0 cm		True Width: 0 cm	Secondaries: sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		7	7	14	46

Comments: Baritic trachyte talus. CY altered fragments. East side of "Barite Basin".

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130328	UTM 6804986.	N	UTM 361620.6	E	Strike Length Exp:	Metallics: 1%PY	<5	<0.2	22	2070
	Elevation: 1675 m		Sample Width: 0 cm		True Width: 0 cm	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		3	3	162	8

Comments: Baritic tuff float: upper east side gully in Barite Basin.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130329	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	<0.2	<2	1260
	Elevation: 1560 m		Sample Width: 0 cm		True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		2	3	6	20

Comments: Possible barite in silica altered volcanics. Lower west side of Barite Basin at tree line.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCY, sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130330	UTM 6815436	N	UTM 354235.6	E	Strike Length Exp: 30+ m	Metallics: 1-2%PY	<5	<0.2	<2	2010
	Elevation: 1180 m		Sample Width: 4 m		True Width: 4 m	Secondaries: sGE, sJA, sMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 020°/40° NW		Bedding		Host : Volcanic		20	3	8	24

Comments: Strong gossan in first outcrop in lower MB 9704 creek, west of Fluorite basin. Three to four metre volcanic bed with a ferricrete cap.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130331	UTM 6815379.	N	UTM 354273.5	E	Strike Length Exp: 15+ m	Metallics: 1-2%PY	<5	<0.2	2	1280
	Elevation: 1200	m	Sample Width: 7	m	True Width: 7 m	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		44	3	2	50

Comments: Representative grab across outcrop for 7m. Disseminated pyrite throughout. Lower MB 97-04 creek. Ferricrete cap sits on top of exposure.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130332	UTM 6815149.	N	UTM 354403.5	E	Strike Length Exp:	Metallics: trace to >1% PY	<5	<0.2	4	2660
	Elevation: 1310	m	Sample Width: 4	m	True Width: 4 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		3	4	142	<2

Comments: Representative grab over 4m. Shattered volcanics interbedded with black shales. North side of MB 97-04 creek.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130333	UTM 6814650.	N	UTM 354579.9	E	Strike Length Exp:	Metallics: trGL, 1%PY, 2-3%SP	<5	<0.2	60	670
	Elevation: 1445	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sJA, sSM	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		2	231	190	1.32%

Comments: Side hill float from south side of MB 97-04 creek.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCB, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130334	UTM 6814649.	N	UTM 354582.1	E	Strike Length Exp:	Metallics: >1%PY, 2-3%SP	<5	0.2	72	860
	Elevation: 1445	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sJA, sSM	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		4	223	182	1.75%

Comments: Float taken just below 130333.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130335	UTM 6814649	N	UTM 354584.5	E	Strike Length Exp:	Metallics: >1%GL, >1%PY	<5	<0.2	20	1020
	Elevation: 1445	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		30	3	4	116

Comments: Taken right beside 130334. Platy galena, calcite stringers and pods.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130336	UTM 6808167.	N	UTM 359985.1	E	Strike Length Exp:	Metallics: 1-2%PY	<5	<0.2	8	920
	Elevation: 1880	m	Sample Width: 1	m	True Width: 1 m	Secondaries: mGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		2	17	40	66

Comments: Grab across subcrop on west ridge - east S.C. Grid basin.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130337	UTM 6808250.	N	UTM 359956.3	E	Strike Length Exp:	Metallics: 1-2%PY	<5	<0.2	6	2020
	Elevation: 1875	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: wGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		11	6	18	18

Comments: Taken just below ridge line on west side of S.C. grid basin.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130338	UTM 6814497	N	UTM 354612.5	E	Strike Length Exp:	Metallics: 2-3%PY	<5	<0.2	6	320
	Elevation: 1495	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wGE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		3	1	46	10

Comments: Dark crystal tuffs 100m at 140 degrees from 130333 location. Fair amount of this float around.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sQZ, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130339	UTM 6816660	N	UTM 341960.8	E	Strike Length Exp:	Metallics:	<5	<0.2	14	740
	Elevation: 1580	m	Sample Width: 7	m	True Width: 7 m	Secondaries: wGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		<1	5	14	8

Comments: Taken below main basin below gossan # 20.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130340	UTM 6812896	N	UTM 356835.7	E	Strike Length Exp:	Metallics: trGL, tr - 80%PY, 5-7%BA	<5	0.6	10	4650
	Elevation: 1525	m	Sample Width: 10	m	True Width: 10 m	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		4	<1	108	1740

Comments: Representative grab starting at the top end of "Willow" showing exposure in creek bed working down.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130341	UTM 6812907.	N	UTM 356835.1	E	Strike Length Exp:	Metallics: trGL, tr-80%PY, 5-7%BA	<5	0.2	8	650
	Elevation:	m	Sample Width: 10	m	True Width: 10 m	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		2	<1	106	110

Comments: Ten metres below 130340. Willow showing. Representative grab.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130342	UTM 6812919	N	UTM 356835.7	E	Strike Length Exp:	Metallics: 1-95%PY, 2-3%BA	<5	1	36	240
	Elevation:	m	Sample Width: 10	m	True Width: 10 m	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		4	1	478	364

Comments: Representative grab below 130341. Sample through a one metre zone of semi-massive pyrite.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130343	UTM 6812929	N	UTM 356837.1	E	Strike Length Exp:	Metallics: tr-5%PY, 1%BA	<5	<0.2	14	1270
	Elevation:	m	Sample Width: 10	m	True Width: 10 m	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Black shales		2	1	42	18

Comments: Ten metre representative grab below 130342 Willow show

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130344	UTM 6812940	N	UTM 356837.3	E	Strike Length Exp:	Metallics: tr-90%PY, 1%BA	<5	0.8	28	260
	Elevation:	m	Sample Width: 10	m	True Width: 10 m	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Black shale		5	<1	260	90

Comments: Representative grab below 130343. Trace to >1% through most of sample. One high grade pod at very end of sample in fault zone.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130345	UTM 6812950	N	UTM 356835.4	E	Strike Length Exp:	Metallics: trPY	<5	<0.2	10	3230
	Elevation:	m	Sample Width: 10	m	True Width: 10 m	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Black shale		4	1	42	90

Comments: Taken below 130344. Representative grab. Started hitting lost of quartz veins.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130346	UTM 6812960.	N	UTM 356835.9	E	Strike Length Exp:	Metallics: tr-95%PY	<5	1.4	22	220
	Elevation:	m	Sample Width: 10	m	True Width: 10 m	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		14	<1	388	270

Comments: Representative grab taken below 130345 in Willow show. One metre zone of massive pyrite. Lots of quartz veins and stringers.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: m-sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130347	UTM 6812969.	N	UTM 356835.4	E	Strike Length Exp:	Metallics: trGL, 1-95%PY	<5	1.4	20	210
	Elevation:	m	Sample Width: 10	m	True Width: 10 m	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		16	<1	616	178

Comments: Representative grab below 130346. More massive pyrite stringers and pods in quartz veins and in gangue rock.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130348	UTM 6812978	N	UTM 356840.5	E	Strike Length Exp:	Metallics: trGL, 25-95%PY	<5	2	30	180
	Elevation:	m	Sample Width: 10	m	True Width: 10 m	Secondaries: sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		23	<1	696	208

Comments: Representative grab below 130347. This is the highest grade zone for bull quartz veins and some volcanic gangue between massive pyrite pods and stringers. Best GL yet.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:		Grid East:		Type: Grab	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130349	UTM 6812986.	N	UTM 356847.1	E	Strike Length Exp:	Metallics: tr-1%PY	<5	<0.2	2	440
	Elevation:	m	Sample Width: 10	m	True Width: 10 m	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		<1	<1	10	54

Comments: Taken below 130348 - representative grab. A few quartz veins and stringers.

Sample Number:	Grid North:		Grid East:		Type: Grab	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130350	UTM 6812995	N	UTM 356851.8	E	Strike Length Exp:	Metallics: tr-3%PY	<5	0.2	4	730
	Elevation:	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		4	<1	104	88

Comments: Taken below 130349. Just a few pyrite stringers and right at top side quartz vein.

Sample Number:	Grid North:		Grid East:		Type: Grab	Alteration: sMS, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130351	UTM 6813002	N	UTM 356854.6	E	Strike Length Exp:	Metallics: tr-15%PY, 5%BA	<5	0.8	<2	870
	Elevation:	m	Sample Width: 10	m	True Width: 10 m	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Dolomite		4	<1	186	250

Comments: Sample across 4m quartz vein. Quartz, barite and pyrite stringers. Willow showing.

Sample Number:	Grid North:		Grid East:		Type: Grab	Alteration: sMS, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130352	UTM 6813011	N	UTM 356857.7	E	Strike Length Exp:	Metallics: tr-10%PY, 3-5%BA	<5	0.2	14	1500
	Elevation:	m	Sample Width: 10	m	True Width: 10 m	Secondaries: mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Dolomite		1	<1	96	1020

Comments: Quartz, barite and pyrite stringers. Willow showing.

Sample Number:	Grid North:		Grid East:		Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130353	UTM 6813021	N	UTM 356862.9	E	Strike Length Exp:	Metallics: tr-25%PY, 5%BA	<5	0.2	10	1200
	Elevation:	m	Sample Width: 10	m	True Width: 10 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Dolomite		<1	<1	118	324

Comments: Lots of quartz stringers. One 10cm wide massive pyrite zone below falls. Other 1-2cm wide pyrite stringers. Willow showing.

Sample Number:	Grid North:		Grid East:		Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130354	UTM 6813028.	N	UTM 356868.8	E	Strike Length Exp:	Metallics: tr-5%PY	<5	0.2	6	2260
	Elevation:	m	Sample Width: 10	m	True Width: 10 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Dolomites and black shale		<1	<1	54	56

Comments: Taken below 130353. Quartz + barite stringers and a few pyrite stringers.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sMS, mQz	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130355	UTM 6813037	N	UTM 356873.3	E	Strike Length Exp:	Metallics: tr-5%PY	<5	0.2	24	2130
	Elevation:	m	Sample Width: 10	m	True Width: 10 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Black shales		<1	<1	44	186

Comments: Ten cm wide fine-grained pyrite in fault below falls, 5m ferricrete zone. Barite stringers. Taken below 130354. Willow showing.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130356	UTM 6813047	N	UTM 356882.0	E	Strike Length Exp:	Metallics: tr-2%PY	<5	<0.2	8	1620
	Elevation:	m	Sample Width: 10	m	True Width: 10 m	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Black shales		<1	<1	14	38

Comments: Fine-grained pyrite, quartz and calcite stringers. Taken below 130355. Willow showing.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sMS, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130357	UTM 6813019.	N	UTM 356863.0	E	Strike Length Exp: 3 m	Metallics: 75-80%PY	<5	2	32	290
	Elevation: 1430	m	Sample Width: 10	cm	True Width: 10 cm	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 010°/80° SE		Vein		Host : Volcanic		25	<1	734	102

Comments: High-grade grab taken at base of waterfall within #130353 representative grab sample.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130358	UTM 6812982.	N	UTM 356833.7	E	Strike Length Exp:	Metallics: trGL, 80-100%PY	<5	3.4	40	280
	Elevation: 1460	m	Sample Width: 4	m	True Width: 4 m	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		26	<1	1145	160

Comments: High-grade pyrite sample within 130348 representative grab zone. Taken from three spots over 4 metres. This 20 metre area is the highest grade in showing.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130359	UTM 6810806.	N	UTM 358613.6	E	Strike Length Exp:	Metallics: 2-3%PY	<5	<0.2	<2	>10000
	Elevation: 1350	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Barite		<1	<1	72	2

Comments: Barite float in lower west side gully. Second main creek east of camp.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130360	UTM 6810845	N	UTM 358558.1	E	Strike Length Exp:	Metallics: 7-10%PY	<5	<0.2	8	5170
	Elevation: 1370	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Barite-calcite		<1	<1	122	18

Comments: Sample more barite float with calcite and tr PB. Lots of barite in creek float.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130361	UTM 6810867	N	UTM 358559.0	E	Strike Length Exp: 10 m	Metallics: 3-5%PY	<5	<0.2	8	>10000
	Elevation: 1380 m		Sample Width: 4 m		True Width: 4 m	Secondaries: mGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		<1	<1	52	6

Comments: Barite-calcite vein exposed in side hill. Representative grab across vein for 4m. Pyrite in knots and pods.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130362	UTM 6810886.	N	UTM 358563.2	E	Strike Length Exp: 20+ m	Metallics:	<5	<0.2	16	1710
	Elevation: 1390 m		Sample Width: 1 m		True Width: 1 m	Secondaries: sGE, sJA, sMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Bedding		Host : Volcanics		62	1	62	8

Comments: Looks like flaky, sheared up shales full of carbonate minerals. Ten metres above 130361 barite vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB, sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130363	UTM 6810885.	N	UTM 358526.1	E	Strike Length Exp: 20+ m	Metallics: 1-2%PY	<5	<0.2	<2	7980
	Elevation: 1395 m		Sample Width: 1 m		True Width: 1 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Bedding		Host : Volcanic		23	1	28	<2

Comments: Taken 20m up strike from 130362. Lance zone - less weathering, disseminated pyrite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130364	UTM 6810869	N	UTM 358497.0	E	Strike Length Exp:	Metallics: 15-20%PY	<5	0.2	14	7640
	Elevation: 1400 m		Sample Width: 0 cm		True Width: 0 cm	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		9	2	66	6

Comments: Taken 10m above 130363 in subcrop boulder train in side hill on south side of creek.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sCB, sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130365	UTM 6810885.	N	UTM 358497.8	E	Strike Length Exp: 20+ m	Metallics: 3-5%PY	<5	0.2	<2	2600
	Elevation: 1405 m		Sample Width: 1.2 m		True Width: 1.2 m	Secondaries: sGE, sJA, sMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanic		59	<1	40	6

Comments: Taken 15m above 130364. Shattered, sheared, weathered tuffs. Disseminated pyrite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130366	UTM 6810797.	N	UTM 358384.3	E	Strike Length Exp:	Metallics: trGL, 80-90%PY	<5	1.2	14	640
	Elevation: 1435 m		Sample Width: 0 cm		True Width: 0 cm	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Calcite		16	<1	158	1680

Comments: Massive pyrite float at contact between black shale and volcanics.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sCY	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130367	UTM 6810787.	N	UTM 358362.0	E	Strike Length Exp: 3 m	Metallics: 10%PY	<5	0.6	4	740
	Elevation: 1440 m		Sample Width: 2 m		True Width: 2 m	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 040°/60° SE		Fault		Host : Volcanic black shale contack		19	4	28	1150

Comments: Chip sample in contact fault gouge. Black and white clay with a 15cm band of massive pyrite sticking out of side hill.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mEP	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130368	UTM 6813005.	N	UTM 356732.3	E	Strike Length Exp:	Metallics: 20-30%PY	<5	0.6	48	530
	Elevation: 1535 m		Sample Width: 0 cm		True Width: 0 cm	Secondaries: sGE, sJA, sSR	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		12	29	106	64

Comments: Three subcrop boulders on strike with main high-grade zone in Willow showing up hill on west side of notch near ridge top. Pyrite in swirls and pods.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130369	UTM 6812993.	N	UTM 356738.0	E	Strike Length Exp:	Metallics: >1%PY, >1%SP?	<5	<0.2	6	5730
	Elevation: 1535 m		Sample Width: 0 cm		True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		5	8	10	50

Comments: Float upstrike from Willow showing on west side of creek below ridge top. Possible sphalerite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130370	UTM 6813005.	N	UTM 356704.5	E	Strike Length Exp:	Metallics: 2-3%PY	<5	0.4	18	2770
	Elevation: 1545 m		Sample Width: 0 cm		True Width: 0 cm	Secondaries: sGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		26	15	42	80

Comments: Taken near top of ridge on west side of Willow showing. Pyrite in lenses and disseminated boxwork.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130372	UTM 6812975.	N	UTM 356829.5	E	Strike Length Exp:	Metallics: 90-100%PY	<5	2.4	54	240
	Elevation: 1445 m		Sample Width: 13 m		True Width: 13 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		23	<1	732	582

Comments: High grade grab taken through 130347 and last 3m of 130346. Massive pyrite with a little quartz. Willow show.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130373	UTM 6812925	N	UTM 356828.9	E	Strike Length Exp:	Metallics: 90-100%PY	<5	2	52	230
	Elevation: 1460 m		Sample Width: 2 m		True Width: 2 m	Secondaries: sGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		4	<1	976	796

Comments: High-grade grab taken within 130342 zone. Willow showing.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130374	UTM 6812905.	N	UTM 356845.4	E	Strike Length Exp:	Metallics: tr-100%PY	<5	1.8	40	>>10000
	Elevation: 1470	m	Sample Width: 10	m	True Width: 10 m	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		2	<1	318	1460

Comments: High-grade grab within 130341 zone. Twenty-five percent pyrite with barite and quartz.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130375	UTM 6812902	N	UTM 356827.3	E	Strike Length Exp:	Metallics: tr-100%PY	<5	1.6	50	1050
	Elevation:	m	Sample Width: 10	m	True Width: 10 m	Secondaries: sGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		5	<1	324	5150

Comments: High-grade grab within 130340 zone. Thirty percent pyrite with barite and quartz.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sCB, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130376	UTM 6810662.	N	UTM 358277.6	E	Strike Length Exp: 10 m	Metallics: 10-15%PY	<5	0.2	8	480
	Elevation: 1440	m	Sample Width: 1	m	True Width: 1 m	Secondaries: sGE, sJA, sMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation		Vein		Host : Volcanics		3	<1	28	32

Comments: Second creek east of camp. Up west side bank above lower forks.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130377	UTM 6810087.	N	UTM 357992.5	E	Strike Length Exp:	Metallics: 2-3%py	<5	<0.2	12	1370
	Elevation: 1665	m	Sample Width: 5	m	True Width: 5 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		2	7	16	64

Comments: Representative grab across gossan in east wall of basin. Second creek east of camp.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130378	UTM 6810072	N	UTM 357914.3	E	Strike Length Exp:	Metallics: >1%PY, >1%SP	<5	<0.2	2	380
	Elevation: 1660	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		<1	39	46	1430

Comments: Taken in talus 50m south along slope from 130377. Honey sphalerite extremely hard to see. Found three float rocks so far. Twenty metres below 22800E/4900N.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130379	UTM 6810055.	N	UTM 357909.7	E	Strike Length Exp:	Metallics: trGL, trSP	<5	<0.2	10	280
	Elevation: 1665	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		<1	33	252	560

Comments: More float with SP/GL ten metres above 130378. Traces of GL, SP all through this float train. Ten metres below 22800E/4900N.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130401	UTM 6812796	N	UTM 357375.4	E	Strike Length Exp:	Metallics:	<5	<0.2	<2	460
	Elevation: 1430	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Limestone		4	<1	24	<2

Comments: Heavy for limestone. Possibly baritic.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130402	UTM 6812524.	N	UTM 357907.2	E	Strike Length Exp:	Metallics: 25%PY	<5	0.6	8	1310
	Elevation: 1360	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Shale or tuffaceous shale		4	3	32	<2

Comments: Semi-massive pyrite in shale boulder 25x20x10cm. Not much iron oxide on it. Possibly scorodite pyrite as disseminate/laminae and pods.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130403	UTM 6812546.	N	UTM 357892.6	E	Strike Length Exp: 20 m	Metallics: trPY	<5	<0.2	<2	130
	Elevation: 1360	m	Sample Width: 2	m	True Width: 1 m	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Chery ash tuff?		1	<1	16	12

Comments: Very fine-grained grey siliceous rock. Possible welded ash tuff. Very hard, heavily fractured.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: ?QZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130404	UTM 6812504.	N	UTM 357881.7	E	Strike Length Exp:	Metallics: 20%PY	<5	0.2	50	770
	Elevation: 1365	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mHE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Shale / silty shale?		16	16	116	22

Comments: Massive sulphide stringers? or laminae in silty shale. The stringers might be laminae.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: m-sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130405	UTM 6812466.	N	UTM 357877.7	E	Strike Length Exp:	Metallics: 50%PY	<5	<0.2	4	2900
	Elevation: 130405	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mHE, wJA, ?SC	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte tuff		3	10	22	98

Comments: Trachyte tuff boulder 20x30x15cm with medium to strong MS alteration and 5cm "lens" of massive pyrite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wMS, wSI, wAK	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130406	UTM 6811811	N	UTM 357655	E	Strike Length Exp:	Metallics: 1%PY	<5	<0.2	10	520
	Elevation: 1435	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Argillaceous matrix tuff.		9	4	74	14

Comments: Argillaceous matrix with AK altered clasts/crystals to 0.5cm in size. Pyrite disseminated and as laminae with argillaceous matrix.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: w-mMS, mAK	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130407	UTM 6810766.	N	UTM 357380.5	E	Strike Length Exp: 2 m	Metallics: 1%PY	<5	<0.2	2	3320
	Elevation: 1765	m	Sample Width: 25	cm	True Width: 25 cm	Secondaries: trHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Argillaceous tuff.		4	3	10	36

Comments: Argillaceous lapilli tuff. Green-grey (dark) in colour. Schistose. Ankerite alteration of fragments (felsic fragments?).

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: trMS, w-mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130408	UTM 6810739	N	UTM 357318.1	E	Strike Length Exp: 5 m	Metallics: 0.5%PY	<5	<0.2	<2	910
	Elevation: 1760	m	Sample Width: 10	cm	True Width: 10 cm	Secondaries: trHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 105°/20° S		Bedding		Host : Pyritic cherty ash tuff.		3	9	20	14

Comments: Grey pyritic (disseminated) ash tuff interbedded with lapilli (argillaceous) and argillite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: m-sSI, ?BA	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130409	UTM 6810818	N	UTM 357501	E	Strike Length Exp: 15 m	Metallics: 1%PY	<5	<0.2	<2	1350
	Elevation: 1725	m	Sample Width: 10	cm	True Width: 10 cm	Secondaries: trHE, trJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 285°/70° N		Foliation		Host : Trachyte tuff		<1	1	<2	44

Comments: Siliceous nodule 10X15X15 cm. 1% disseminated pyrite. Baritic?

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130410	UTM 6810943.	N	UTM 357773.9	E	Strike Length Exp:	Metallics: 5%PY	<5	<0.2	<2	240
	Elevation: 1675	m	Sample Width:	cm	True Width: cm	Secondaries: sHE, trSC	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Ash tuff, silicified flow?		<1	9	48	54

Comments: Strong hematite coating in float of dark red gossan. Trachyte ash tuff or flow?

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wMS, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130411	UTM 6810994	N	UTM 357822.3	E	Strike Length Exp: 25 m	Metallics: ?GL, 1%PY	<5	<0.2	10	530
	Elevation: 1680	m	Sample Width: 4	m	True Width: 3 m	Secondaries: w-mHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 135°/50° SW		Bedding		Host :		3	1	2	6

Comments: Interbedded tuffs/argillite. Finely laminated with disseminated pyrite and pyrite as stringers. Possible very fine-grained galena.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wMS, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130412	UTM 6811410.	N	UTM 357905.4	E	Strike Length Exp:	Metallics: 3%PY	<5	<0.2	<2	2040
	Elevation: 1500	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sHE, trJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte footwall		1	1	<2	16

Comments: Float in bright red gossan.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130413	UTM 6810723.	N	UTM 359399.3	E	Strike Length Exp: 5 m	Metallics: 3%PY	<5	4.2	80	290
	Elevation: 1415	m	Sample Width: 25	cm	True Width: 25 cm	Secondaries: trHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Shale		72	4	102	80

Comments: Pyrite nodules to 3cm long x 2cm wide in a yellow brown zone 10cm wide of laminated very fine-grained shale siltstone? Possibly laminated sulphide but too dark to see.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: 1%AK	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130414	UTM 6810732.	N	UTM 359369.0	E	Strike Length Exp:	Metallics: 5%PY?	<5	<0.2	6	980
	Elevation: 1425	m	Sample Width: 15	cm	True Width: 15 cm	Secondaries: wHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Shale		8	5	14	14

Comments: Very fine-grained silty shale. Difficult to estimate pyrite content in laminae.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130415	UTM 6810814.	N	UTM 359294.8	E	Strike Length Exp:	Metallics:	<5	<0.2	12	2950
	Elevation: 1485	m	Sample Width: 2	m	True Width: cm	Secondaries: sHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Ferricrete		16	6	<2	486

Comments: Ferricrete boulder at 1485m elevation one creek north of main creek draining gossan #17 cirque. Sampled material = Lithogeo + Altn.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mMS, wSI, wAK	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130416	UTM 6810863.	N	UTM 359244.1	E	Strike Length Exp: 20 m	Metallics: 0.5%PY	<5	<0.2	2	510
	Elevation: 1535	m	Sample Width: 25	cm	True Width: 25 cm	Secondaries: mGE, wHE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte footwall		<1	3	<2	82

Comments: Ferricrete on trachyte footwall. 0.5% disseminated pyrite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wMS, ?BA	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130417	UTM 6810625.	N	UTM 358268.3	E	Strike Length Exp: 3.5 m	Metallics: 0.5%PY	<5	<0.2	2	1090
	Elevation: 1435	m	Sample Width: 80	cm	True Width: 80 cm	Secondaries: wHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 120°/85° SW		Bedding		Host : Ash tuff		10	5	12	18

Comments: Ash tuff lens in sheared shale 3.5m x 0.8m in size. Disseminated pyrite, and possibly baritic.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: trMS, ?SI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130418	UTM 6810593.	N	UTM 358191.6	E	Strike Length Exp: 2 m	Metallics: 1%PY	<5	<0.2	10	210
	Elevation: 1470	m	Sample Width: 1.5	cm	True Width: 1.5 cm	Secondaries: wHE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Tuffaceous argillite.		<1	6	52	<2

Comments: Rusty/ochre tuffaceous argillite.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:		Grid East:		Type:	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130419	UTM 6813106	N	UTM 355873.5	E	Float Strike Length Exp:	wMS, mSI Metallics: 25%PY	<5	<0.2	16	>10000
	Elevation: 1500 m		Sample Width: 10 cm		True Width: 0 cm	Secondaries: mHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Quartz-sericite breccia.		3	3	92	6

Comments: 10x5x5cm boulder of pyrite breccia. Clasts of quartz-sericite in pyrite matrix. Quartz in white, milky and somewhat sugary.

Sample Number:	Grid North:		Grid East:		Type:	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130420	UTM 6813111	N	UTM 355866.9	E	Float Strike Length Exp:	sAK Metallics: 10%PY	<5	<0.2	24	990
	Elevation: 1500 m		Sample Width: 0 cm		True Width: 0 cm	Secondaries: mHE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Ankerite breccia		<1	1	16	16

Comments: Ankerite matrix breccia with nodular pyrite clasts and pyrite disseminated in matrix.

Sample Number:	Grid North:		Grid East:		Type:	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130421	UTM 6813214	N	UTM 355429.5	E	Grab Strike Length Exp: 10 m	sFEC Metallics:	<5	<0.2	48	1390
	Elevation: 1525 m		Sample Width: 5 m		True Width: 5 m	Secondaries: mHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Ferricrete heterolithic breccia		24	29	8	98

Comments: Ferricrete with argillite and trachyte tuff (footwall?) clasts, angular 1-50cm in size.

Sample Number:	Grid North:		Grid East:		Type:	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130422	UTM 6813056.	N	UTM 355372.6	E	Grab Strike Length Exp: 2 m	wSI Metallics: 3-5%PY	<5	<0.2	10	2140
	Elevation: 1575 m		Sample Width: 30 cm		True Width: 30 cm	Secondaries: trHE, trJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Argillaceous matrix heterolithic lapilli tuff.		4	11	22	2

Comments: Heterolithic lapilli tuff + feldspar crystal lithic tuff. Pyrite as clasts to 7mm. Argillaceous matrix. Locally crowded.

Sample Number:	Grid North:		Grid East:		Type:	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130423	UTM 6813012.	N	UTM 355378.9	E	Grab Strike Length Exp: 5 m	wSI Metallics: 3-5%PY	<5	<0.2	<2	1420
	Elevation: 1570 m		Sample Width: 50 cm		True Width: 50 cm	Secondaries: w-mHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte breccia.		1	2	12	2

Comments: Very fine pyrite in matrix to trachyte breccia clasts. Matrix slightly darker grey than clasts – due to pyrite?

Sample Number:	Grid North:		Grid East:		Type:	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130424	UTM 6815048.	N	UTM 350622.7	E	Grab Strike Length Exp: 2 m	wMS, mSI Metallics: 1-2%PY	<5	<0.2	<2	4890
	Elevation: 1120 m		Sample Width: 1.3 m		True Width: 1.3 m	Secondaries: mHE, sJA, ?SR	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Massive trachyte flow		1	3	6	2

Comments: Yellow - rusty weathering trachyte flow. One to two percent pyrite. Possibly scorodite with jarosite. Yellow - green coating on outcrop.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wAK	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130425	UTM 6815066	N	UTM 350604.8	E	Strike Length Exp:	Metallics: 10-15%PY	<5	0.2	<2	1700
	Elevation: 1115	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Argillite matrix, trachyte lapilli tuff		7	5	12	<2

Comments: Tom Bell probably sampled this last year (or something similar). Verification of results.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: wQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130426	UTM 6815071	N	UTM 350597.5	E	Strike Length Exp: 4 m	Metallics: 70%PY	<5	0.2	64	1480
	Elevation: 1130	m	Sample Width: 10	cm	True Width: 10 cm	Secondaries: sHE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 165°/80° W		Vein		Host : Trachyte flow.		14	12	102	10

Comments: Ten centimetre pyrite vein in trachyte flows. Abundant massive pyrite veins - cross cut flow beds.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130427	UTM 6815089	N	UTM 350585.9	E	Strike Length Exp: 25 m	Metallics: 5%PY?	<5	0.2	<2	1220
	Elevation: 1150	m	Sample Width: 2	m	True Width: 2 m	Secondaries: wHE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 120°/05° SW		Bedding		Host : Argillite matrix heterlithic lapilli tuff.		3	1	12	26

Comments: Frothy yellow-white sulphate? coating on outcrop turns royal blue when zinc zapped. Most pyrite leached out. Possibly 5%.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130428	UTM 6815211	N	UTM 350580.6	E	Strike Length Exp: 20 m	Metallics: trPY?	<5	0.2	22	1750
	Elevation: 1155	m	Sample Width: 3	m	True Width: 3 m	Secondaries: sHE, trJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Argillite		4	9	20	16

Comments: Strongly oxidized zone with quartz vein approximately 40cm and rusty envelopes very soft. Possibly pyrite. White sulphate(?) precipitate on outcrop.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130429	UTM 6815282.	N	UTM 350547.7	E	Strike Length Exp: 4 m	Metallics: 60%PY	<5	0.2	40	6510
	Elevation: 1180	m	Sample Width: 3	m	True Width: cm	Secondaries: sHE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Massive pyrite as breccia matrix		12	3	96	30

Comments: Pyrite matrix breccia with argillite and trachyte fragments.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select/Grab	Alteration: m-sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130430	UTM 6815252.	N	UTM 350561.5	E	Strike Length Exp: 25 m	Metallics: 60%PY	<5	0.4	26	850
	Elevation: 1180	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: wHE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host :		8	3	74	10

Comments: Zone of massive pyrite. Sample at trachyte/lapilli tuff contact. Stringers of pyrite into trachyte but cannot tell if concordant or discordant.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: trSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130431	UTM 6810468	N	UTM 357891.2	E	Strike Length Exp: 1 m	Metallics: 1-2%PY	<5	0.8	34	680
	Elevation: 1590 m		Sample Width: 20 cm		True Width: 20 cm	Secondaries: mHE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 110°/70° S		Bedding		Host : Pyrite shale		21	28	44	26

Comments: Pyritic shale with rare pyrite laminae. Horizons of disseminated pyrite look concordant to bedding.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wMS, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130432	UTM 6810363.	N	UTM 357914.0	E	Strike Length Exp:	Metallics: 10-15%PY, original?	<5	<0.2	70	360
	Elevation: 1615 m		Sample Width: 10 cm		True Width: cm	Secondaries: sHE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Trachyte footwall.		<1	1	148	2

Comments: Boxwork limonite altered pyrite in trachyte footwork. One to two percent pyrite remains. Possibly up to 15% when fresh.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mMS, ?SI, m-sAK	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
130433	UTM 6810191	N	UTM 357894.9	E	Strike Length Exp: 10 m	Metallics: 0.5%PY	<5	0.2	6	1360
	Elevation: 1630 m		Sample Width: 50 cm		True Width: 50 cm	Secondaries: sHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Purple-brown sericite + scapolite		3	5	6	48

Comments: Purple-brown weathering sericite schist with ankerite pods and pervasive pyrite as masses (in clasts?). Probably trachyte tuff.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
709643	UTM 6812253	N	UTM 356666.5	E	Strike Length Exp: 10 m	Metallics: 1-2%PY	<5	<0.2	8	1380
	Elevation: 1665 m		Sample Width: 3 m		True Width: 3 m	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation 140°/65° SW		Bedding		Host : Argillite		3	7	20	34

Comments: Representative grab across bedding for 3 metres. Pyrite disseminated and in pods, some boxwork. Lower outcrop on east side of basin above camp.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
709644	UTM 6812199.	N	UTM 356578.7	E	Strike Length Exp:	Metallics: 2-3%PY, trSP	<5	<0.2	8	1160
	Elevation: 1710 m		Sample Width: 0 cm		True Width: 0 cm	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		3	9	38	442

Comments: Float in chute about 100 metres southwest of 643. One speck of honey sphalerite seen.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
709645	UTM 6812176.	N	UTM 356570.1	E	Strike Length Exp: 10 m	Metallics: 2-3%PY	<5	<0.2	4	460
	Elevation: 1720 m		Sample Width: 7 m		True Width: 7 m	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanincs		3	12	24	12

Comments: Representative grab for 7 metres in a trachytic volcanic.

Rock Sample Descriptions

Project Name: Starr **Project:** PTH98-01 **NTS:** 105G/5,6,12; F/8,9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
709646	UTM 6812117	N	UTM 356422.0	E	Strike Length Exp:	Metallics: 2-3%PY	<5	<0.2	12	720
	Elevation: 1735	m	Sample Width: 25	cm	True Width: 25 cm	Secondaries: sGE, sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		2	8	10	40

Comments: Fifteen metre are of good sulfides in outcrop. Some boxwork.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
709647	UTM 6812113.	N	UTM 356406.1	E	Strike Length Exp:	Metallics: 5-7%PY	<5	0.4	20	240
	Elevation: 1750	m	Sample Width: 1	m	True Width: 1 m	Secondaries: sGE, sJA, sMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		12	5	32	18

Comments: Taken on northeast end of main gossan zone. Calcite stringers, pyrite disseminated and in pods and stringers.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
709648	UTM 6812094	N	UTM 356303.5	E	Strike Length Exp:	Metallics: 20-30%PY, >1%FU	<5	0.4	60	>10000
	Elevation: 1725	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		18	15	728	2

Comments: Float at bottom of chute. Lots of fluorite in float.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
709649	UTM 6812107	N	UTM 356300.3	E	Strike Length Exp:	Metallics: 2-3%PY, >1%FU	<5	0.2	44	640
	Elevation: 1715	m	Sample Width: 5	m	True Width: 5 m	Secondaries: wGE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		14	15	42	10

Comments: Taken on southwest side of gully 10 metres below 648 near bottom of gully in main gossan zone.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)
709650	UTM 6812136	N	UTM 356292.7	E	Strike Length Exp:	Metallics: 1-2%AS, 1-2%PY	<5	<0.2	20	440
	Elevation: 1700	m	Sample Width: 3	m	True Width: 3 m	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Starr	Orientation				Host : Volcanics		6	11	34	90

Comments: Taken in lower outcrop on northwest side of gully, 20 metres below 649. AS-PY in needle crystals.

APPENDIX E

CERTIFICATES OF ANALYSIS

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9831791

Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

CERTIFICATE A9831791

(EIA) - EQUITY ENGINEERING LTD.

Project: STARR
P.O. # : PTH98-01

Samples submitted to our lab in Vancouver, BC.
This report was printed on 01-OCT-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	60	Geochem ring to approx 150 mesh
226	60	0-3 Kg crush and split
3202	60	Rock - save entire reject
229	60	ICP - AQ Digestion charge
232	60	Perchloric-nitric-HF digestion

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	60	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	60	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	60	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	60	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	60	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	60	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	60	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	60	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	60	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	60	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	60	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	60	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	60	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	60	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	60	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	60	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	60	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	60	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	60	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	60	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	60	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	60	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	60	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	60	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	60	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	60	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	60	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	60	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	60	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	60	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	60	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	60	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	60	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
25	60	Ba ppm: HClO4-HNO3-HF digestion	AAS	10	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER OR M. BAKNES CC: VIC TANAKA

Certificate Date: 31-AUG-1998
Invoice No. : I9828902
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9828902

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
130051	205	226	< 5	0.4	0.04	70	110	< 0.5	< 2	< 0.01	< 0.5	< 1	5	15	11.00	< 10	< 1	0.16	< 10	< 0.01	5
130052	205	226	< 5	0.4	0.42	56	80	1.0	< 2	1.28	< 0.5	< 1	40	15	3.31	< 10	< 1	0.34	70	0.06	485
130053	205	226	< 5	< 0.2	0.16	12	240	0.5	< 2	11.45	< 0.5	1	16	54	4.67	< 10	< 1	0.11	110	1.04	1790
130054	205	226	< 5	< 0.2	0.37	8	40	< 0.5	< 2	0.07	< 0.5	1	61	4	3.77	< 10	< 1	0.30	< 10	0.03	15
130055	205	226	< 5	< 0.2	1.62	6	20	1.0	< 2	5.18	< 0.5	< 1	41	11	7.47	< 10	< 1	0.44	120	0.09	235
130056	205	226	< 5	< 0.2	0.04	12	< 10	< 0.5	< 2	2.69	< 0.5	1	32	11	>15.00	< 10	< 1	0.01	30	< 0.01	130
130057	205	226	< 5	0.2	0.02	30	< 10	< 0.5	< 2	9.30	2.0	1	22	55	>15.00	< 10	< 1	0.02	10	0.06	1470
130058	205	226	< 5	< 0.2	2.09	20	150	< 0.5	< 2	0.08	< 0.5	< 1	87	6	2.66	< 10	< 1	0.09	10	0.01	20
130059	205	226	< 5	< 0.2	0.06	10	110	< 0.5	< 2	3.60	1.5	1	49	5	1.16	< 10	< 1	0.02	10	1.27	260
130060	205	226	< 5	< 0.2	0.32	2	410	< 0.5	< 2	2.09	3.5	1	111	4	0.93	< 10	< 1	0.12	< 10	1.05	335
130061	205	226	< 5	< 0.2	0.05	8	150	< 0.5	< 2	1.48	3.0	2	24	7	0.74	< 10	< 1	0.01	< 10	0.79	165
130062	205	226	< 5	< 0.2	0.37	6	130	< 0.5	< 2	0.05	< 0.5	< 1	26	3	2.04	< 10	< 1	0.27	70	0.04	25
130063	205	226	< 5	< 0.2	1.44	36	2450	0.5	< 2	1.89	0.5	3	99	50	1.40	< 10	< 1	0.95	120	0.03	140
130064	205	226	< 5	< 0.2	0.62	18	1670	0.5	< 2	0.06	3.5	7	117	66	1.62	< 10	< 1	0.13	10	0.03	370
130065	205	226	< 5	< 0.2	0.50	4	440	< 0.5	< 2	< 0.01	< 0.5	< 1	13	< 1	0.31	< 10	< 1	0.28	20	< 0.01	5
130066	205	226	< 5	< 0.2	0.24	2	170	< 0.5	< 2	0.01	< 0.5	< 1	57	1	1.32	< 10	< 1	0.27	50	< 0.01	5
130067	205	226	< 5	< 0.2	0.26	16	30	< 0.5	< 2	< 0.01	< 0.5	< 1	56	4	7.02	< 10	< 1	1.32	40	< 0.01	5
130068	205	226	< 5	< 0.2	1.70	28	150	1.5	< 2	1.52	< 0.5	< 1	66	7	1.85	10	< 1	0.96	160	0.06	5
130069	205	226	< 5	< 0.2	0.44	34	60	< 0.5	< 2	0.01	< 0.5	1	39	3	2.16	< 10	< 1	0.32	50	0.01	5
130070	205	226	< 5	0.2	0.25	32	60	< 0.5	2	< 0.01	< 0.5	< 1	78	6	2.44	< 10	< 1	0.24	140	< 0.01	10
130071	205	226	< 5	0.4	0.43	106	10	< 0.5	< 2	< 0.01	< 0.5	1	50	3	3.67	< 10	< 1	0.26	20	< 0.01	5
130072	205	226	< 5	< 0.2	0.56	6	40	< 0.5	< 2	2.09	3.0	4	45	6	3.07	< 10	< 1	0.31	40	0.62	315
130073	205	226	< 5	< 0.2	3.77	6	10	< 0.5	< 2	1.80	< 0.5	4	31	4	>15.00	10	< 1	0.04	30	0.84	1655
130074	205	226	< 5	< 0.2	1.11	10	330	0.5	< 2	0.98	< 0.5	1	110	4	0.92	10	1	0.53	190	0.05	100
130075	205	226	10	< 0.2	0.42	6	180	< 0.5	< 2	1.84	< 0.5	1	25	7	1.36	< 10	< 1	0.28	90	0.01	125
130076	205	226	< 5	< 0.2	0.93	10	50	< 0.5	< 2	0.63	< 0.5	4	93	7	5.69	< 10	< 1	0.06	30	0.26	350
130077	205	226	< 5	0.2	0.28	16	30	< 0.5	< 2	< 0.01	< 0.5	1	45	10	9.13	< 10	< 1	0.35	10	< 0.01	5
130078	205	226	< 5	< 0.2	0.19	< 2	430	< 0.5	< 2	0.01	< 0.5	< 1	29	2	0.68	< 10	< 1	0.22	30	< 0.01	5
130079	205	226	< 5	< 0.2	0.26	12	80	< 0.5	< 2	0.01	< 0.5	< 1	47	< 1	2.53	< 10	< 1	0.25	30	< 0.01	5
130080	205	226	< 5	< 0.2	0.27	4	60	< 0.5	< 2	0.03	< 0.5	1	31	3	3.56	< 10	< 1	0.25	10	< 0.01	< 5
130101	205	226	< 5	0.6	0.30	< 2	310	< 0.5	< 2	< 0.01	< 0.5	< 1	107	< 1	0.57	< 10	< 1	0.21	< 10	< 0.01	5
130102	205	226	< 5	< 0.2	0.48	2	130	< 0.5	< 2	< 0.01	< 0.5	< 1	16	< 1	0.22	< 10	< 1	0.30	< 10	< 0.01	< 5
130103	205	226	< 5	0.2	0.76	10	< 10	< 0.5	< 2	< 0.01	< 0.5	1	35	2	14.30	< 10	< 1	0.37	< 10	< 0.01	5
130109	205	226	< 5	< 0.2	0.41	2	280	< 0.5	< 2	< 0.01	< 0.5	< 1	33	< 1	0.39	< 10	< 1	0.31	50	< 0.01	< 5
130110	205	226	< 5	< 0.2	0.33	2	350	< 0.5	< 2	0.04	< 0.5	< 1	85	< 1	0.13	< 10	< 1	0.17	30	0.01	5
130111	205	226	< 5	< 0.2	0.44	20	50	0.5	< 2	0.15	< 0.5	2	19	9	3.99	< 10	< 1	0.32	10	0.03	10
130112	205	226	< 5	< 0.2	0.15	< 2	100	< 0.5	< 2	5.56	< 0.5	1	20	9	7.72	< 10	< 1	< 0.01	80	0.94	3180
130151	205	226	< 5	< 0.2	0.66	4	110	< 0.5	< 2	0.12	0.5	1	67	31	1.81	< 10	< 1	0.25	10	0.01	55
130152	205	226	< 5	< 0.2	0.45	6	70	0.5	< 2	0.06	< 0.5	1	15	1	2.96	< 10	< 1	0.29	50	0.02	5
130153	205	226	< 5	< 0.2	0.13	< 2	110	< 0.5	< 2	3.29	< 0.5	1	118	< 1	4.98	< 10	< 1	0.09	100	0.54	2390

CERTIFICATION: Hawkfield

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER OR M. BAKNES CC: VIC TANAKA

Certificate Date: 31-AUG-1998
Invoice No. :I9828902
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9828902

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
130051	205 226	41	< 0.01	< 1	10	102	2	< 1	110	< 0.01	< 10	< 10	1	< 10	88	>10000
130052	205 226	13	0.01	2	130	82	< 2	< 1	76	< 0.01	< 10	< 10	< 1	< 10	46	1600
130053	205 226	13	< 0.01	< 1	100	56	< 2	< 1	137	< 0.01	< 10	10	< 1	< 10	68	1460
130054	205 226	6	< 0.01	1	20	24	< 2	< 1	4	< 0.01	< 10	< 10	< 1	< 10	< 2	1800
130055	205 226	7	0.01	1	150	16	< 2	1	55	< 0.01	< 10	< 10	< 1	< 10	10	1500
130056	205 226	4	< 0.01	1	10	42	< 2	< 1	45	< 0.01	< 10	30	< 1	< 10	8	100
130057	205 226	7	< 0.01	< 1	< 10	68	< 2	3	146	< 0.01	< 10	10	1	< 10	254	320
130058	205 226	9	< 0.01	12	250	38	< 2	< 1	19	< 0.01	< 10	< 10	10	< 10	14	>10000
130059	205 226	6	< 0.01	12	< 10	10	< 2	1	228	< 0.01	< 10	< 10	1	< 10	296	>10000
130060	205 226	2	0.01	12	460	6	< 2	1	138	< 0.01	< 10	< 10	3	< 10	506	>10000
130061	205 226	2	< 0.01	14	50	2	< 2	1	154	< 0.01	< 10	< 10	2	< 10	904	>10000
130062	205 226	9	< 0.01	3	100	10	< 2	< 1	8	< 0.01	< 10	< 10	5	< 10	92	2700
130063	205 226	13	0.01	10	360	8	< 2	3	22	< 0.01	< 10	< 10	13	< 10	74	9300
130064	205 226	2	< 0.01	27	500	14	< 2	5	16	< 0.01	< 10	< 10	12	< 10	136	5300
130065	205 226	3	< 0.01	< 1	140	20	< 2	< 1	3	< 0.01	< 10	< 10	< 1	< 10	< 2	4000
130066	205 226	5	0.03	< 1	130	16	< 2	< 1	9	< 0.01	< 10	< 10	< 1	< 10	< 2	2500
130067	205 226	10	0.02	1	1010	104	< 2	< 1	99	< 0.01	< 10	< 10	< 1	< 10	< 2	>10000
130068	205 226	8	0.01	1	320	12	< 2	< 1	27	0.01	< 10	< 10	1	< 10	6	7300
130069	205 226	5	0.01	< 1	150	20	< 2	< 1	13	< 0.01	< 10	< 10	< 1	< 10	< 2	5500
130070	205 226	27	0.01	4	160	124	2	< 1	17	< 0.01	< 10	< 10	1	< 10	< 2	7100
130071	205 226	6	0.01	< 1	30	96	2	< 1	8	< 0.01	< 10	< 10	< 1	< 10	< 2	4100
130072	205 226	5	0.01	13	340	20	< 2	< 1	56	< 0.01	< 10	< 10	3	< 10	200	1900
130073	205 226	7	0.02	4	370	134	2	< 1	27	< 0.01	< 10	10	6	< 10	86	700
130074	205 226	9	0.01	1	230	10	< 2	< 1	33	0.01	< 10	< 10	5	< 10	8	2600
130075	205 226	2	0.01	< 1	540	28	< 2	< 1	107	< 0.01	< 10	< 10	< 1	< 10	8	3000
130076	205 226	5	0.03	7	440	58	< 2	< 1	23	< 0.01	< 10	< 10	3	< 10	26	740
130077	205 226	15	< 0.01	3	90	142	< 2	< 1	5	< 0.01	< 10	< 10	< 1	< 10	< 2	1140
130078	205 226	6	0.03	1	70	8	< 2	< 1	14	< 0.01	< 10	< 10	3	< 10	< 2	6700
130079	205 226	6	0.02	2	60	34	< 2	< 1	6	< 0.01	< 10	< 10	2	< 10	< 2	4400
130080	205 226	9	0.02	1	80	12	< 2	< 1	9	< 0.01	< 10	< 10	< 1	< 10	< 2	5800
130101	205 226	11	< 0.01	1	40	50	< 2	< 1	9	< 0.01	< 10	< 10	11	< 10	2	1100
130102	205 226	1	< 0.01	< 1	30	22	< 2	< 1	6	< 0.01	< 10	< 10	< 1	< 10	< 2	1400
130103	205 226	1	0.01	1	40	24	< 2	< 1	< 1	< 0.01	< 10	< 10	< 1	< 10	< 2	2500
130109	205 226	4	0.01	< 1	80	10	< 2	< 1	6	< 0.01	< 10	< 10	< 1	< 10	< 2	740
130110	205 226	1	0.01	1	40	20	< 2	< 1	12	< 0.01	< 10	< 10	1	< 10	< 2	2800
130111	205 226	1	< 0.01	1	410	90	< 2	< 1	26	< 0.01	< 10	< 10	< 1	< 10	2	4000
130112	205 226	3	0.04	< 1	100	10	< 2	< 1	135	< 0.01	< 10	10	2	< 10	34	440
130151	205 226	3	< 0.01	11	780	8	< 2	< 1	11	< 0.01	< 10	< 10	10	< 10	196	560
130152	205 226	6	< 0.01	< 1	220	10	< 2	< 1	6	< 0.01	< 10	< 10	< 1	< 10	< 2	1440
130153	205 226	5	< 0.01	1	190	2	< 2	1	20	< 0.01	< 10	< 10	1	< 10	18	440

CERTIFICATION: Hartfuehler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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To: EQUITY ENGINEERING LTD.

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V6B 1N2

Project : STARR
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Certificate Date: 31-AUG-1998
Invoice No. : I9828902
P.O. Number : PTH98-01
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CERTIFICATE OF ANALYSIS A9828902

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
130154	205 226	< 5	< 0.2	0.31	8	120	1.0	< 2	1.44	< 0.5	1	11	3	4.07	< 10	< 1	0.20	140	0.51	1795
130155	205 226	< 5	2.2	0.34	8	580	< 0.5	< 2	0.01	< 0.5	< 1	95	14	0.94	< 10	< 1	0.12	< 10	0.03	10
130156	205 226	< 5	< 0.2	0.73	< 2	720	< 0.5	< 2	0.02	0.5	7	88	8	6.69	< 10	< 1	0.21	< 10	0.05	180
130157	205 226	< 5	< 0.2	0.17	< 2	200	< 0.5	< 2	0.22	< 0.5	< 1	206	1	0.28	< 10	< 1	0.08	< 10	0.01	85
130158	205 226	< 5	< 0.2	0.37	2	610	< 0.5	< 2	< 0.01	< 0.5	< 1	91	1	3.85	< 10	< 1	0.29	< 10	0.03	205
130159	205 226	10	0.2	0.32	92	220	< 0.5	< 2	< 0.01	< 0.5	< 1	42	17	5.31	< 10	< 1	0.60	10	< 0.01	15
130160	205 226	5	< 0.2	0.37	6	100	< 0.5	< 2	0.03	< 0.5	3	61	4	4.10	< 10	< 1	0.32	80	0.03	70
130161	205 226	< 5	< 0.2	0.38	42	440	< 0.5	< 2	0.28	< 0.5	5	37	27	2.93	< 10	< 1	0.21	220	0.03	1745
130162	205 226	< 5	< 0.2	0.09	< 2	40	< 0.5	< 2	9.59	< 0.5	< 1	87	< 1	2.81	< 10	< 1	0.05	10	0.56	1305
130163	205 226	< 5	< 0.2	1.27	12	90	0.5	< 2	0.72	< 0.5	12	63	28	4.80	< 10	< 1	0.71	20	0.27	55
130164	205 226	15	< 0.2	0.69	20	60	< 0.5	< 2	12.55	< 0.5	57	40	45	4.59	< 10	< 1	0.23	10	0.31	1485
130165	205 226	10	0.8	0.60	146	680	0.5	< 2	0.04	< 0.5	3	25	45	>15.00	< 10	< 1	0.16	30	0.01	45
130166	205 226	< 5	< 0.2	0.29	< 2	270	< 0.5	< 2	0.08	< 0.5	1	28	5	1.65	< 10	< 1	0.21	40	0.01	15
130201	205 226	< 5	< 0.2	3.01	14	170	1.0	< 2	6.35	< 0.5	< 1	14	1	3.22	10	< 1	2.39	90	0.25	25
130202	205 226	< 5	< 0.2	0.49	38	130	< 0.5	< 2	2.76	< 0.5	1	47	1	3.59	< 10	< 1	0.26	80	1.12	645
130203	205 226	< 5	0.2	1.28	40	150	0.5	< 2	3.22	< 0.5	1	36	1	3.63	< 10	< 1	0.84	80	0.65	185
130251	205 226	< 5	< 0.2	0.86	12	410	0.5	< 2	4.54	< 0.5	< 1	12	3	2.35	< 10	< 1	0.40	120	0.04	330
130252	205 226	5	< 0.2	1.55	84	90	0.5	< 2	3.25	< 0.5	< 1	37	6	3.77	< 10	< 1	0.68	20	0.09	30
130253	205 226	< 5	< 0.2	0.33	2	170	< 0.5	< 2	0.03	< 0.5	< 1	27	< 1	1.39	< 10	< 1	0.27	140	< 0.01	5
130254	205 226	< 5	1.2	0.49	40	240	0.5	< 2	0.01	< 0.5	< 1	36	1	2.21	< 10	< 1	0.67	10	0.02	5
130255	205 226	10	< 0.2	0.85	8	160	0.5	< 2	0.13	< 0.5	< 1	43	1	1.89	< 10	< 1	0.49	30	0.03	20
130256	205 226	< 5	< 0.2	0.38	4	520	< 0.5	< 2	0.03	< 0.5	4	51	2	0.50	< 10	< 1	0.33	< 10	0.03	10
130257	205 226	< 5	< 0.2	0.49	10	70	0.5	< 2	< 0.01	< 0.5	< 1	23	2	2.87	< 10	< 1	0.41	30	0.02	< 5
130258	205 226	< 5	< 0.2	0.49	2	80	< 0.5	< 2	2.99	< 0.5	1	11	1	3.02	< 10	< 1	0.31	80	0.03	300
130259	205 226	< 5	< 0.2	0.38	< 2	740	< 0.5	< 2	< 0.01	< 0.5	< 1	51	1	0.50	< 10	< 1	0.31	10	< 0.01	< 5
130260	205 226	< 5	0.2	0.64	6	40	< 0.5	< 2	0.01	< 0.5	< 1	14	4	3.09	< 10	1	0.34	< 10	0.02	5
130261	205 226	< 5	< 0.2	0.28	24	10	0.5	2	< 0.01	< 0.5	3	34	17	11.45	< 10	< 1	0.30	< 10	0.01	< 5
130262	205 226	< 5	< 0.2	0.57	6	60	< 0.5	< 2	< 0.01	< 0.5	< 1	11	3	2.33	< 10	< 1	0.33	30	0.01	< 5
130263	205 226	< 5	< 0.2	0.28	22	10	< 0.5	< 2	< 0.01	< 0.5	1	79	3	11.85	< 10	< 1	0.22	30	0.01	10
130264	205 226	< 5	0.2	0.82	26	10	< 0.5	< 2	1.99	< 0.5	1	48	3	10.95	< 10	< 1	0.11	10	0.18	440
709643	205 226	< 5	< 0.2	0.58	8	130	< 0.5	< 2	1.49	< 0.5	4	22	3	1.38	< 10	< 1	0.39	40	0.54	145
709644	205 226	< 5	< 0.2	0.69	8	100	0.5	< 2	0.87	1.5	1	49	3	2.43	< 10	< 1	0.38	50	0.33	1120
709645	205 226	< 5	< 0.2	0.32	4	50	0.5	< 2	0.53	< 0.5	1	40	3	2.87	< 10	< 1	0.22	90	0.20	100
709646	205 226	< 5	< 0.2	0.56	12	130	0.5	< 2	0.04	< 0.5	< 1	55	2	1.88	< 10	< 1	0.48	70	0.02	85
709647	205 226	< 5	0.4	0.70	20	40	< 0.5	< 2	1.39	< 0.5	1	35	12	5.15	< 10	< 1	0.38	30	0.35	235
709648	205 226	< 5	0.4	1.59	60	50	1.0	< 2	1.16	< 0.5	2	74	18	13.60	10	< 1	1.36	30	0.05	10
709649	205 226	< 5	0.2	1.61	44	40	2.0	< 2	2.44	< 0.5	4	36	14	2.79	10	< 1	0.98	200	0.54	70
709650	205 226	< 5	< 0.2	0.84	20	60	1.0	< 2	1.72	< 0.5	1	18	6	3.64	< 10	< 1	0.38	70	0.62	540

CERTIFICATION: Hawthiehler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER OR M. BAKNES CC: VIC TANAKA

Certificate Date: 31-AUG-1998
Invoice No. : I9828902
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9828902

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
130154	205	226	5	< 0.01	< 1	310	10	2	< 1	12	< 0.01	< 10	< 10	1	< 10	14	1800
130155	205	226	< 1	< 0.01	9	330	8	< 2	2	13	< 0.01	< 10	< 10	39	< 10	32	2200
130156	205	226	8	0.01	9	410	10	< 2	1	14	< 0.01	< 10	10	30	< 10	334	2700
130157	205	226	3	< 0.01	2	10	< 2	< 2	< 1	12	< 0.01	< 10	< 10	< 1	< 10	8	690
130158	205	226	3	0.01	3	190	18	< 2	< 1	83	< 0.01	< 10	10	2	< 10	< 2	5000
130159	205	226	63	< 0.01	3	600	42	4	< 1	155	< 0.01	< 10	10	158	< 10	94	1700
130160	205	226	10	< 0.01	4	250	20	12	< 1	7	< 0.01	< 10	< 10	1	< 10	< 2	760
130161	205	226	10	< 0.01	4	300	44	< 2	< 1	30	< 0.01	< 10	< 10	< 1	< 10	14	2300
130162	205	226	2	< 0.01	< 1	50	16	14	< 1	142	< 0.01	< 10	10	< 1	< 10	22	300
130163	205	226	1	< 0.01	56	2920	2	< 2	6	39	0.14	< 10	10	20	< 10	16	1080
130164	205	226	1	< 0.01	107	2140	14	< 2	7	135	0.17	< 10	30	33	< 10	30	620
130165	205	226	14	< 0.01	19	390	156	4	< 1	33	< 0.01	< 10	50	42	< 10	388	3600
130166	205	226	3	0.02	1	120	26	< 2	< 1	32	< 0.01	< 10	< 10	1	< 10	2	1000
130201	205	226	3	0.03	< 1	170	22	< 2	< 1	43	0.02	< 10	< 10	1	< 10	6	660
130202	205	226	4	< 0.01	4	140	24	< 2	1	120	< 0.01	< 10	< 10	1	< 10	6	340
130203	205	226	3	< 0.01	1	320	48	< 2	< 1	56	0.01	< 10	< 10	< 1	< 10	< 2	520
130251	205	226	13	< 0.01	< 1	350	70	< 2	< 1	157	< 0.01	< 10	< 10	< 1	< 10	10	360
130252	205	226	14	< 0.01	< 1	220	84	< 2	< 1	94	0.01	< 10	< 10	< 1	< 10	54	2100
130253	205	226	9	< 0.01	< 1	120	6	< 2	< 1	9	< 0.01	< 10	< 10	< 1	< 10	< 2	1160
130254	205	226	26	< 0.01	7	100	36	8	< 1	12	0.01	< 10	< 10	88	< 10	< 2	1500
130255	205	226	10	< 0.01	1	120	34	< 2	< 1	5	< 0.01	< 10	< 10	1	< 10	4	900
130256	205	226	1	0.03	3	350	10	< 2	1	17	0.01	< 10	< 10	32	< 10	< 2	>10000
130257	205	226	3	< 0.01	< 1	150	30	< 2	< 1	10	< 0.01	< 10	< 10	< 1	< 10	< 2	2100
130258	205	226	2	< 0.01	1	420	14	< 2	< 1	21	< 0.01	< 10	< 10	< 1	< 10	112	1700
130259	205	226	1	< 0.01	< 1	40	16	< 2	< 1	6	< 0.01	< 10	< 10	< 1	< 10	< 2	4300
130260	205	226	7	< 0.01	< 1	30	28	4	< 1	1	< 0.01	< 10	< 10	< 1	< 10	< 2	1200
130261	205	226	16	0.02	< 1	20	30	< 2	< 1	< 1	< 0.01	< 10	< 10	< 1	< 10	6	980
130262	205	226	8	< 0.01	1	100	22	< 2	< 1	4	< 0.01	< 10	< 10	< 1	< 10	< 2	1600
130263	205	226	5	< 0.01	1	100	22	< 2	< 1	1	< 0.01	< 10	< 10	< 1	< 10	< 2	1680
130264	205	226	15	0.02	3	150	330	< 2	< 1	39	< 0.01	< 10	< 10	1	< 10	40	200
709643	205	226	7	< 0.01	12	600	20	< 2	< 1	55	< 0.01	< 10	< 10	4	< 10	34	1380
709644	205	226	9	< 0.01	2	130	38	< 2	< 1	11	< 0.01	< 10	< 10	1	< 10	442	1160
709645	205	226	12	0.05	1	200	24	< 2	< 1	8	< 0.01	< 10	< 10	< 1	< 10	12	460
709646	205	226	8	< 0.01	1	160	10	< 2	< 1	5	< 0.01	< 10	< 10	< 1	< 10	40	720
709647	205	226	5	< 0.01	4	280	32	< 2	< 1	24	< 0.01	< 10	< 10	4	< 10	18	240
709648	205	226	15	0.01	< 1	200	728	2	< 1	17	< 0.01	< 10	< 10	< 1	< 10	2	>10000
709649	205	226	15	0.01	3	200	42	< 2	< 1	28	0.01	< 10	< 10	3	< 10	10	640
709650	205	226	11	< 0.01	2	270	34	< 2	< 1	31	< 0.01	< 10	< 10	< 1	< 10	90	440

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Page Number :1-A
Total Pages :2
Certificate Date: 20-SEP-1998
Invoice No. :I9830650
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9830650

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
130081	205	226	< 5	1940	0.2	0.87	10	10	0.5	< 2	0.01	< 0.5	< 1	40	5	6.34	< 10	1	0.37	< 10	0.02
130082	205	226	< 5	7500	0.2	2.15	42	20	1.0	< 2	2.41	< 0.5	< 1	43	9	3.99	10	< 1	1.60	110	0.09
130083	205	226	< 5	1640	1.2	0.71	28	20	< 0.5	< 2	< 0.01	< 0.5	< 1	28	8	4.05	< 10	< 1	0.36	< 10	< 0.01
130084	205	226	< 5	3400	< 0.2	0.49	12	10	< 0.5	< 2	0.01	< 0.5	< 1	22	7	4.61	< 10	1	0.28	< 10	0.01
130085	205	226	< 5	6600	0.2	2.87	66	130	3.5	< 2	4.27	< 0.5	< 1	31	10	1.47	30	< 1	1.85	250	0.36
130086	205	226	< 5	8200	< 0.2	2.46	22	100	0.5	< 2	2.67	< 0.5	< 1	20	7	1.69	10	< 1	1.23	30	0.07
130087	205	226	< 5	>10000	0.4	0.19	8	< 10	0.5	6	10.45	< 0.5	4	15	16	7.47	< 10	4	0.10	10	4.05
130088	205	226	< 5	2700	< 0.2	0.28	6	140	< 0.5	2	6.33	< 0.5	< 1	17	8	2.71	< 10	3	0.17	80	0.01
130089	205	226	< 5	4700	< 0.2	0.51	6	1030	0.5	< 2	0.11	< 0.5	1	7	7	1.47	< 10	1	0.26	30	0.03
130090	205	226	< 5	4600	< 0.2	0.34	< 2	430	0.5	< 2	7.49	< 0.5	1	6	6	2.10	< 10	< 1	0.19	80	0.04
130091	205	226	< 5	2700	0.2	0.45	12	90	1.0	< 2	0.03	< 0.5	< 1	10	1	4.11	< 10	1	1.15	10	0.04
130092	205	226	< 5	2100	< 0.2	0.32	6	110	< 0.5	< 2	1.05	0.5	2	14	1	1.99	< 10	< 1	0.26	40	0.39
130093	205	226	< 5	2300	< 0.2	0.36	8	120	< 0.5	< 2	0.01	< 0.5	< 1	51	1	2.09	< 10	2	0.34	60	0.02
130094	205	226	< 5	1500	0.2	0.60	18	50	< 0.5	< 2	0.05	< 0.5	< 1	11	5	3.72	< 10	3	0.33	110	0.02
130095	205	226	< 5	220	< 0.2	0.16	4	30	< 0.5	6	>15.00	2.0	4	14	22	14.45	< 10	2	0.07	10	0.08
130096	205	226	< 5	1640	< 0.2	1.19	< 2	90	0.5	2	5.67	< 0.5	< 1	13	5	3.22	< 10	2	0.56	90	0.04
130097	205	226	< 5	2000	0.2	1.31	6	50	0.5	2	7.32	< 0.5	< 1	14	7	4.31	< 10	< 1	0.54	130	0.06
130098	205	226	< 5	700	< 0.2	0.99	4	40	0.5	< 2	>15.00	32.5	12	27	34	7.95	< 10	6	0.34	30	0.51
130099	205	226	< 5	1540	0.2	0.35	28	220	< 0.5	< 2	0.08	< 0.5	< 1	30	6	1.89	< 10	< 1	0.54	160	0.02
130100	205	226	< 5	6200	< 0.2	0.33	12	180	< 0.5	< 2	2.57	1.0	< 1	49	3	2.48	< 10	1	0.34	50	0.89
130113	205	226	< 5	>10000	0.2	2.69	10	760	0.5	2	3.55	< 0.5	< 1	38	3	0.80	10	< 1	3.10	170	0.01
130114	205	226	< 5	2200	< 0.2	0.52	8	270	< 0.5	2	>15.00	< 0.5	35	31	56	1.04	< 10	1	0.32	40	0.09
130115	205	226	< 5	1000	< 0.2	0.43	< 2	150	0.5	2	0.02	< 0.5	< 1	6	< 1	1.61	< 10	1	0.39	< 10	0.02
130116	205	226	< 5	640	< 0.2	0.18	14	120	< 0.5	< 2	0.07	< 0.5	1	187	3	0.70	< 10	< 1	0.09	< 10	0.01
130117	205	226	< 5	700	< 0.2	0.60	2	360	< 0.5	< 2	0.10	< 0.5	< 1	56	1	0.54	< 10	< 1	0.15	< 10	0.36
130118	205	226	< 5	>10000	0.6	0.95	12	220	< 0.5	< 2	12.25	6.5	< 1	26	4	2.35	< 10	4	0.01	< 10	6.77
130119	205	226	< 5	3500	< 0.2	1.12	2	390	< 0.5	2	10.55	2.5	21	84	47	3.53	< 10	< 1	0.28	30	0.37
130120	205	226	< 5	2600	< 0.2	0.47	4	500	< 0.5	< 2	14.00	5.0	25	25	38	1.33	< 10	< 1	0.12	30	0.22
130121	205	226	< 5	740	< 0.2	0.25	6	100	< 0.5	2	0.11	< 0.5	< 1	58	1	0.64	< 10	< 1	0.28	40	0.01
130122	205	226	< 5	1240	< 0.2	0.44	< 2	150	< 0.5	< 2	0.14	< 0.5	< 1	27	< 1	0.89	< 10	< 1	0.45	40	0.04
130123	205	226	< 5	1420	< 0.2	0.28	2	70	< 0.5	< 2	1.74	< 0.5	< 1	38	2	1.75	< 10	< 1	0.25	30	0.58
130124	205	226	< 5	4000	< 0.2	0.42	2	360	< 0.5	< 2	0.01	< 0.5	< 1	33	1	0.65	< 10	1	0.33	50	0.03
130125	205	226	< 5	1540	< 0.2	0.23	< 2	180	< 0.5	2	0.01	< 0.5	< 1	24	< 1	1.98	< 10	< 1	0.34	70	0.01
130126	205	226	< 5	140	< 0.2	0.44	2	40	< 0.5	2	0.03	< 0.5	< 1	42	< 1	3.57	< 10	1	0.46	70	0.03
130167	205	226	< 5	440	< 0.2	0.44	4	30	2.0	2	1.03	< 0.5	< 1	27	3	5.56	< 10	3	0.21	220	0.22
130168	205	226	< 5	3000	< 0.2	0.33	2	600	10.0	4	>15.00	0.5	< 1	7	1	1.30	< 10	< 1	0.18	50	0.12
130169	205	226	< 5	2500	< 0.2	0.25	4	160	< 0.5	2	0.51	< 0.5	1	23	1	1.38	< 10	1	0.19	50	0.08
130170	205	226	< 5	300	< 0.2	0.19	< 2	30	< 0.5	< 2	0.05	< 0.5	< 1	35	1	4.99	< 10	1	0.23	30	< 0.01
130171	205	226	< 5	660	< 0.2	0.21	6	100	< 0.5	< 2	0.01	< 0.5	< 1	55	< 1	1.25	< 10	< 1	0.38	< 10	< 0.01
130172	205	226	< 5	1220	< 0.2	0.33	8	210	< 0.5	< 2	< 0.01	< 0.5	< 1	50	< 1	2.38	< 10	1	0.49	10	0.03

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

CERTIFICATE OF ANALYSIS A9830650

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
130081	205 226	5	9	0.03	2	< 10	42	< 2	< 1	2	< 0.01	< 10	< 10	1	< 10	4
130082	205 226	5	13	0.01	1	400	254	6	< 1	37	0.01	< 10	< 10	1	< 10	8
130083	205 226	10	20	< 0.01	3	40	74	2	< 1	3	< 0.01	< 10	< 10	< 1	< 10	< 2
130084	205 226	5	7	< 0.01	1	70	80	2	< 1	8	< 0.01	< 10	< 10	< 1	< 10	< 2
130085	205 226	20	10	0.03	< 1	300	16	< 2	< 1	54	0.01	< 10	< 10	< 1	< 10	14
130086	205 226	5	6	0.01	1	270	28	< 2	< 1	42	0.02	< 10	< 10	< 1	< 10	8
130087	205 226	2340	11	< 0.01	6	920	38	2	< 1	209	< 0.01	< 10	< 10	1	< 10	62
130088	205 226	360	4	< 0.01	1	430	24	< 2	< 1	343	< 0.01	< 10	< 10	< 1	< 10	14
130089	205 226	20	42	0.01	< 1	500	10	< 2	< 1	14	< 0.01	< 10	< 10	< 1	< 10	96
130090	205 226	910	11	< 0.01	1	370	12	< 2	< 1	41	< 0.01	< 10	< 10	< 1	< 10	194
130091	205 226	5	4	< 0.01	< 1	150	32	< 2	< 1	3	< 0.01	< 10	< 10	< 1	< 10	8
130092	205 226	255	5	< 0.01	1	310	14	< 2	< 1	14	< 0.01	< 10	< 10	< 1	< 10	58
130093	205 226	5	13	0.04	< 1	80	16	2	< 1	7	< 0.01	< 10	< 10	< 1	< 10	< 2
130094	205 226	5	8	< 0.01	4	390	30	< 2	< 1	23	< 0.01	< 10	< 10	< 1	< 10	8
130095	205 226	1115	3	< 0.01	42	20	12	< 2	3	131	< 0.01	< 10	< 10	10	< 10	184
130096	205 226	185	6	< 0.01	1	340	18	< 2	< 1	177	< 0.01	< 10	< 10	< 1	< 10	4
130097	205 226	330	6	0.01	< 1	360	32	4	< 1	433	0.01	< 10	< 10	< 1	< 10	10
130098	205 226	1245	4	< 0.01	41	270	138	< 2	1	414	< 0.01	< 10	< 10	6	< 10	4620
130099	205 226	5	22	< 0.01	< 1	300	36	< 2	< 1	23	< 0.01	< 10	< 10	1	< 10	10
130100	205 226	150	8	0.01	2	150	44	2	< 1	79	< 0.01	< 10	< 10	3	< 10	86
130113	205 226	5	15	0.06	1	330	8	2	< 1	33	< 0.01	< 10	< 10	< 1	< 10	8
130114	205 226	790	5	0.01	62	1350	8	< 2	7	595	< 0.01	< 10	< 10	14	< 10	18
130115	205 226	< 5	< 1	0.04	1	10	54	< 2	< 1	3	< 0.01	< 10	< 10	< 1	< 10	< 2
130116	205 226	15	2	< 0.01	9	120	12	< 2	< 1	9	< 0.01	< 10	< 10	13	< 10	78
130117	205 226	10	1	0.03	1	510	8	< 2	< 1	11	< 0.01	< 10	< 10	< 1	< 10	8
130118	205 226	905	4	< 0.01	8	110	38	< 2	1	403	< 0.01	< 10	< 10	12	< 10	1770
130119	205 226	1200	5	0.02	73	1730	2	2	6	325	0.01	< 10	< 10	25	< 10	198
130120	205 226	960	4	0.03	64	1320	12	< 2	10	219	< 0.01	< 10	< 10	21	< 10	100
130121	205 226	20	5	< 0.01	2	220	8	< 2	< 1	9	< 0.01	< 10	< 10	< 1	< 10	10
130122	205 226	5	5	< 0.01	< 1	400	24	< 2	< 1	13	< 0.01	< 10	< 10	< 1	< 10	4
130123	205 226	395	6	< 0.01	4	330	2	< 2	< 1	24	< 0.01	< 10	< 10	1	< 10	8
130124	205 226	< 5	1	< 0.01	< 1	120	10	< 2	< 1	9	< 0.01	< 10	< 10	< 1	< 10	< 2
130125	205 226	5	3	< 0.01	< 1	170	10	< 2	< 1	22	< 0.01	< 10	< 10	< 1	< 10	2
130126	205 226	< 5	18	< 0.01	1	100	36	< 2	< 1	5	< 0.01	< 10	< 10	< 1	< 10	12
130167	205 226	2130	13	0.07	< 1	190	16	< 2	< 1	38	0.03	< 10	< 10	< 1	< 10	216
130168	205 226	1415	8	< 0.01	1	580	10	< 2	< 1	235	< 0.01	< 10	< 10	< 1	< 10	202
130169	205 226	120	7	0.01	1	390	6	< 2	< 1	25	< 0.01	< 10	< 10	< 1	< 10	6
130170	205 226	5	14	0.06	1	60	28	< 2	< 1	3	< 0.01	< 10	< 10	< 1	< 10	4
130171	205 226	< 5	6	< 0.01	< 1	90	14	< 2	< 1	4	< 0.01	< 10	< 10	< 1	< 10	< 2
130172	205 226	5	6	< 0.01	1	10	10	< 2	< 1	4	< 0.01	< 10	< 10	< 1	< 10	6

CERTIFICATION:

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CERTIFICATE OF ANALYSIS A9830650

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
130173	205	226	< 5	380	0.4	0.54	12	60	0.5	< 2	< 0.01	< 0.5	< 1	18	3	1.09	< 10	< 1	0.41	130	0.03
130174	205	226	< 5	1140	< 0.2	0.29	12	100	< 0.5	< 2	1.59	< 0.5	< 1	37	5	4.00	< 10	< 1	0.25	40	0.39
130175	205	226	< 5	2800	< 0.2	0.51	8	190	0.5	< 2	2.13	< 0.5	1	10	2	1.65	< 10	< 1	0.36	90	0.04
130176	205	226	< 5	3700	< 0.2	0.08	4	1940	< 0.5	< 2	0.16	< 0.5	2	217	4	0.52	< 10	< 1	0.02	< 10	0.05
130177	205	226	< 5	4700	< 0.2	0.35	< 2	1200	< 0.5	< 2	0.21	< 0.5	5	146	13	0.80	< 10	< 1	0.05	< 10	0.12
130178	205	226	< 5	3700	< 0.2	0.67	8	1910	< 0.5	< 2	1.35	< 0.5	11	153	40	1.82	< 10	< 1	0.12	10	0.45
130179	205	226	< 5	200	0.2	0.05	6	20	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.42	< 10	< 1	0.01	< 10	10.30
130180	205	226	< 5	220	0.8	0.17	132	180	< 0.5	< 2	2.31	< 0.5	< 1	4	< 1	>15.00	10	< 1	0.01	< 10	1.41
130181	205	226	< 5	>10000	1.2	0.02	10	1790	< 0.5	< 2	0.53	< 0.5	< 1	44	47	0.15	< 10	< 1	< 0.01	< 10	0.28
130182	205	226	< 5	>10000	9.6	< 0.01	52	1550	< 0.5	< 2	0.17	4.5	< 1	9	181	0.57	< 10	< 1	< 0.01	< 10	0.07
130183	205	226	< 5	3100	0.2	0.09	2	2580	< 0.5	< 2	2.87	< 0.5	< 1	137	4	0.63	< 10	< 1	0.05	< 10	1.56
130204	205	226	< 5	2000	< 0.2	0.44	14	< 10	< 0.5	< 2	0.01	< 0.5	1	36	2	14.75	< 10	< 1	0.29	50	0.01
130301	205	226	< 5	2500	< 0.2	0.40	10	380	< 0.5	< 2	0.32	< 0.5	1	27	6	2.91	< 10	< 1	0.38	140	0.10
130302	205	226	< 5	580	< 0.2	0.23	6	230	< 0.5	< 2	2.17	< 0.5	26	25	17	1.70	< 10	< 1	0.05	20	0.05
130303	205	226	< 5	>10000	< 0.2	0.17	12	60	< 0.5	< 2	0.14	< 0.5	< 1	37	3	3.58	< 10	< 1	0.25	20	0.05
130304	205	226	< 5	500	0.2	0.07	6	190	< 0.5	< 2	>15.00	182.0	< 1	26	4	0.64	< 10	3	0.04	50	0.05
130305	205	226	< 5	>10000	< 0.2	0.26	6	540	< 0.5	< 2	0.03	< 0.5	2	42	3	1.40	< 10	< 1	0.34	10	0.01
130306	205	226	< 5	2000	< 0.2	0.31	2	1320	0.5	< 2	0.46	2.5	< 1	67	1	0.80	< 10	< 1	0.23	280	0.07
130307	205	226	< 5	1840	< 0.2	0.28	2	960	< 0.5	< 2	0.03	< 0.5	1	83	3	0.80	< 10	< 1	0.21	200	0.03
130308	205	226	< 5	>10000	< 0.2	1.32	6	100	0.5	< 2	0.77	< 0.5	1	36	5	2.11	10	< 1	0.82	70	0.03
130309	205	226	< 5	>10000	< 0.2	3.99	12	80	1.5	< 2	5.08	< 0.5	< 1	23	6	2.25	20	< 1	4.06	60	0.03
130310	205	226	< 5	2900	< 0.2	0.32	12	130	< 0.5	< 2	0.26	< 0.5	2	37	11	4.55	< 10	< 1	0.28	50	0.01
130311	205	226	< 5	900	1.2	0.28	14	420	< 0.5	< 2	0.03	< 0.5	15	122	41	4.90	< 10	< 1	0.08	10	0.02
130312	205	226	< 5	500	1.8	0.10	6	360	< 0.5	< 2	< 0.01	< 0.5	1	182	22	1.09	< 10	< 1	0.04	< 10	< 0.01
130313	205	226	< 5	3000	< 0.2	0.31	8	690	< 0.5	< 2	< 0.01	< 0.5	< 1	24	3	1.04	< 10	< 1	0.32	40	< 0.01
130314	205	226	< 5	1000	< 0.2	0.39	38	160	2.0	< 2	0.16	1.5	7	70	3	>15.00	< 10	< 1	0.24	50	0.02
130315	205	226	< 5	7500	< 0.2	0.71	16	850	< 0.5	< 2	0.15	< 0.5	< 1	40	4	1.06	< 10	< 1	0.52	80	0.01
130316	205	226	< 5	280	0.2	0.52	16	40	0.5	< 2	0.01	< 0.5	1	< 1	1	>15.00	10	< 1	0.07	60	< 0.01
130317	205	226	< 5	440	< 0.2	0.42	46	70	1.0	< 2	< 0.01	0.5	< 1	19	2	7.73	< 10	< 1	0.32	30	0.01
130318	205	226	< 5	800	1.8	0.68	32	110	0.5	2	0.01	< 0.5	< 1	16	7	>15.00	< 10	< 1	0.18	40	0.02
130319	205	226	< 5	1440	< 0.2	0.43	< 2	490	< 0.5	< 2	0.11	< 0.5	< 1	49	1	0.57	< 10	< 1	0.21	60	< 0.01
130320	205	226	< 5	1600	< 0.2	0.42	4	370	< 0.5	< 2	0.11	< 0.5	< 1	38	1	0.86	< 10	< 1	0.22	50	< 0.01
130321	205	226	< 5	2400	< 0.2	0.42	2	620	< 0.5	< 2	0.26	1.0	< 1	27	1	0.73	< 10	< 1	0.22	50	0.01
130322	205	226	< 5	100	< 0.2	1.31	14	10	< 0.5	< 2	10.75	< 0.5	17	54	466	>15.00	10	1	< 0.01	10	1.75

CERTIFICATION: Vic Tanaka

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Certificate Date: 20-SEP-1998
Invoice No. : I9830650
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9830650

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
130173	205 226	< 5	9	< 0.01	< 1	160	26	< 2	< 1	8	< 0.01	< 10	< 10	< 1	< 10	< 2
130174	205 226	440	6	0.04	< 1	120	16	< 2	< 1	72	< 0.01	< 10	< 10	< 1	< 10	28
130175	205 226	190	4	< 0.01	< 1	510	12	2	< 1	32	< 0.01	< 10	< 10	< 1	< 10	52
130176	205 226	150	1	< 0.01	5	40	6	< 2	1	24	< 0.01	< 10	< 10	1	< 10	2
130177	205 226	175	1	< 0.01	14	140	2	< 2	3	21	< 0.01	< 10	< 10	7	< 10	18
130178	205 226	750	2	0.01	22	150	< 2	2	4	105	< 0.01	< 10	< 10	8	< 10	40
130179	205 226	455	1	0.02	< 1	30	< 2	< 2	< 1	112	< 0.01	< 10	30	3	< 10	16
130180	205 226	340	5	< 0.01	1	60	98	12	< 1	18	< 0.01	< 10	< 10	3	< 10	2
130181	205 226	30	1	< 0.01	< 1	< 10	2200	10	< 1	551	< 0.01	< 10	< 10	< 1	< 10	80
130182	205 226	20	< 1	< 0.01	1	< 10	9650	20	< 1	1035	< 0.01	< 10	< 10	< 1	< 10	1770
130183	205 226	260	1	< 0.01	2	50	1835	< 2	< 1	267	< 0.01	< 10	< 10	< 1	< 10	52
130204	205 226	5	8	< 0.01	1	60	60	< 2	< 1	12	< 0.01	< 10	< 10	< 1	< 10	2
130301	205 226	110	6	< 0.01	1	520	98	2	< 1	52	< 0.01	< 10	< 10	< 1	< 10	16
130302	205 226	195	5	0.07	4	4770	12	< 2	3	243	< 0.01	< 10	< 10	4	< 10	6
130303	205 226	45	13	< 0.01	1	170	170	2	< 1	24	< 0.01	< 10	< 10	< 1	< 10	< 2
130304	205 226	1600	18	0.01	< 1	70	< 2	< 2	< 1	151	< 0.01	< 10	< 10	< 1	< 10	7220
130305	205 226	5	3	0.01	1	1140	30	< 2	1	30	< 0.01	< 10	< 10	14	< 10	10
130306	205 226	55	4	0.02	2	70	< 2	< 2	< 1	28	< 0.01	< 10	< 10	< 1	< 10	106
130307	205 226	75	3	0.03	6	60	4	< 2	< 1	11	< 0.01	< 10	< 10	< 1	< 10	14
130308	205 226	5	4	< 0.01	< 1	260	26	< 2	< 1	34	0.01	< 10	< 10	< 1	< 10	2
130309	205 226	10	4	0.06	< 1	430	22	< 2	< 1	85	0.01	< 10	< 10	< 1	< 10	2
130310	205 226	40	49	0.02	7	1150	38	< 2	< 1	21	< 0.01	< 10	< 10	< 1	< 10	2
130311	205 226	145	3	< 0.01	100	320	< 2	< 2	7	9	< 0.01	< 10	< 10	39	< 10	672
130312	205 226	30	2	< 0.01	11	40	< 2	< 2	2	< 1	< 0.01	< 10	< 10	37	< 10	60
130313	205 226	20	5	< 0.01	1	140	18	< 2	< 1	18	< 0.01	< 10	< 10	< 1	< 10	12
130314	205 226	2300	15	< 0.01	64	320	< 2	< 2	1	26	< 0.01	< 10	< 10	1	< 10	834
130315	205 226	15	10	< 0.01	< 1	190	10	< 2	< 1	28	< 0.01	< 10	< 10	< 1	< 10	4
130316	205 226	380	7	< 0.01	5	80	< 2	< 2	< 1	5	< 0.01	< 10	< 10	< 1	< 10	374
130317	205 226	990	12	< 0.01	2	370	10	< 2	1	1	< 0.01	< 10	< 10	< 1	< 10	552
130318	205 226	75	9	< 0.01	2	370	< 2	2	< 1	15	< 0.01	< 10	< 10	9	< 10	70
130319	205 226	15	3	0.05	1	380	6	< 2	< 1	40	< 0.01	< 10	< 10	2	< 10	18
130320	205 226	15	4	0.04	1	510	8	< 2	< 1	35	< 0.01	< 10	< 10	2	< 10	28
130321	205 226	25	4	0.03	3	450	6	< 2	< 1	86	< 0.01	< 10	< 10	3	< 10	76
130322	205 226	6630	< 1	< 0.01	61	240	< 2	< 2	4	538	< 0.01	< 10	< 10	28	< 10	10

CERTIFICATION: Hawthorn

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.)
852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Pathfinder Resources Ltd. File # 9803845
1500 - 409 Granville St., Vancouver BC V6C 1T2 Submitted by: Vic Tanaka

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
W1	1	6	80	33	.7	9	2	487	3.86	10	<8	<2	<2	144	.4	<3	<3	14	15.39	.005	1	9	8.39	380	<.01	<3	.67	.02	.01	<2	<1	550
W2	1	32	1220	346	3.3	25	2	169	31.97	29	<8	<2	4	107	.4	14	<3	9	1.25	.003	1	6	1.89	89	<.01	<3	.04	.01	.02	<2	<1	4375
W3	3	13	370	9	2.0	13	<1	257	25.65	21	13	<2	2	474	.2	<3	<3	14	5.42	.003	<1	2	5.20	27	<.01	<3	.01	.01	.01	<2	<1	435
W4	1	5	1127	880	3.0	10	<1	243	27.38	64	10	<2	3	40	3.3	<3	<3	9	3.55	.003	<1	4	4.06	15	<.01	<3	.02	<.01	.02	<2	<1	6410
W5	1	37	347	29	2.9	13	<1	228	26.99	32	9	<2	3	71	<.2	6	<3	9	2.84	.002	1	2	3.94	13	<.01	<3	.01	<.01	.01	<2	<1	2360
RE W5	1	36	339	27	3.3	13	<1	224	26.15	29	<8	<2	3	67	<.2	7	<3	8	2.83	.002	1	3	3.80	14	<.01	<3	.01	<.01	.01	<2	<1	2780

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM) HG ANALYSIS BY FLAMELESS AA.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 2 1998 DATE REPORT MAILED: Sept 9/98 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Jason Peter Lawless Team

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

Data ___ FA ___

SEP-28-1998 10:48 PATHFINDER RESOURCES LTD. 604 669 8336 P.01/01
TOTAL P.01

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J. WEBER CC:VIC TANAKA/P. LE COUTEUR

Certificate Date: 25-SEP-1998
Invoice No. :I9831072
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831072

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
130127	205 226	< 5	< 0.2	1.74	8	300	1.0	< 2	1.87	< 0.5	1	30	4	3.02	< 10	< 1	0.30	130	0.88	910
130128	205 226	< 5	< 0.2	0.46	12	100	1.5	< 2	5.80	< 0.5	3	18	7	6.76	< 10	< 1	0.40	50	0.36	2420
130129	205 226	< 5	0.2	0.51	6	140	< 0.5	< 2	0.07	< 0.5	< 1	123	10	0.42	< 10	< 1	0.32	80	0.01	30
130130	205 226	< 5	< 0.2	0.14	< 2	30	< 0.5	< 2	>15.00	< 0.5	< 1	3	2	0.87	< 10	< 1	0.07	< 10	0.27	405
130131	205 226	< 5	< 0.2	0.51	2	70	< 0.5	< 2	0.52	< 0.5	< 1	79	4	1.36	< 10	< 1	0.30	70	0.01	80
130132	205 226	< 5	< 0.2	0.50	32	240	< 0.5	< 2	0.29	< 0.5	< 1	48	1	2.94	< 10	< 1	0.76	10	< 0.01	15
130133	205 226	< 5	< 0.2	1.13	< 2	180	< 0.5	< 2	0.40	< 0.5	< 1	37	< 1	0.44	< 10	< 1	0.57	40	0.01	5
130134	205 226	< 5	< 0.2	3.47	28	2780	1.0	< 2	4.00	< 0.5	1	64	9	1.16	10	< 1	3.30	130	0.10	15
130135	205 226	< 5	< 0.2	0.63	14	720	0.5	< 2	0.12	< 0.5	1	40	5	2.00	< 10	< 1	0.34	40	0.05	40
130184	205 226	< 5	< 0.2	0.56	6	120	0.5	2	1.80	< 0.5	2	111	3	2.67	< 10	< 1	0.32	80	0.18	680
130185	205 226	< 5	< 0.2	0.65	8	110	< 0.5	< 2	< 0.01	< 0.5	< 1	48	2	0.72	< 10	< 1	0.43	150	0.03	5
130186	205 226	< 5	0.2	0.49	8	110	0.5	< 2	2.44	< 0.5	4	128	19	3.24	< 10	< 1	0.35	10	0.07	580
130187	205 226	< 5	< 0.2	0.53	8	140	< 0.5	< 2	< 0.01	< 0.5	< 1	58	1	1.83	< 10	< 1	0.34	30	0.02	5
130188	205 226	< 5	< 0.2	0.52	2	120	< 0.5	< 2	< 0.01	< 0.5	< 1	116	1	0.79	< 10	< 1	0.34	60	0.01	5
130189	205 226	< 5	< 0.2	0.59	4	580	< 0.5	< 2	< 0.01	< 0.5	< 1	68	1	0.81	< 10	< 1	0.33	50	< 0.01	< 5
130190	205 226	< 5	0.6	0.39	50	50	< 0.5	< 2	0.58	1.5	< 1	122	66	2.08	< 10	< 1	0.17	10	0.02	55
130191	205 226	< 5	< 0.2	0.44	14	60	< 0.5	< 2	1.37	< 0.5	1	81	10	0.87	< 10	< 1	0.33	330	0.50	200
130192	205 226	< 5	0.2	0.92	8	60	0.5	< 2	0.01	< 0.5	1	47	1	3.72	< 10	< 1	0.54	50	0.04	5
130193	205 226	< 5	< 0.2	0.04	6	10	< 0.5	< 2	1.94	< 0.5	< 1	179	2	1.06	< 10	< 1	0.01	10	0.53	280
130194	205 226	< 5	< 0.2	0.76	18	90	0.5	2	6.51	< 0.5	33	42	44	4.03	< 10	< 1	0.55	30	0.14	555
130195	205 226	< 5	< 0.2	0.59	2	40	0.5	< 2	4.10	< 0.5	16	50	22	4.69	< 10	< 1	0.36	10	1.22	730
130196	205 226	< 5	0.8	0.15	8	40	< 0.5	< 2	1.60	< 0.5	18	146	27	5.34	< 10	< 1	0.09	< 10	0.80	145
130197	205 226	< 5	0.6	0.80	22	320	1.5	< 2	0.12	< 0.5	< 1	54	5	1.24	< 10	< 1	0.46	40	0.08	30
130198	205 226	< 5	< 0.2	0.67	10	150	0.5	< 2	0.67	< 0.5	< 1	49	4	2.70	< 10	< 1	0.42	110	0.13	195
130199	205 226	< 5	0.6	0.45	26	10	0.5	< 2	0.06	< 0.5	< 1	57	3	10.40	< 10	< 1	0.36	40	0.01	20
130200	205 226	< 5	< 0.2	1.01	12	310	< 0.5	< 2	5.60	< 0.5	28	19	30	4.71	< 10	< 1	0.56	20	0.91	600
130205	205 226	< 5	< 0.2	0.77	10	20	0.5	< 2	< 0.01	< 0.5	3	55	3	10.90	< 10	< 1	0.45	20	0.03	5
130206	205 226	< 5	< 0.2	0.42	2	90	2.0	< 2	11.25	< 0.5	< 1	12	4	6.00	< 10	< 1	0.26	20	3.79	2230
130207	205 226	< 5	< 0.2	0.47	24	10	0.5	< 2	0.07	< 0.5	3	88	14	8.63	< 10	< 1	0.37	10	0.05	15
130323	205 226	< 5	< 0.2	0.71	20	330	0.5	< 2	0.11	< 0.5	2	41	11	3.16	< 10	< 1	0.46	80	0.05	110
130324	205 226	< 5	< 0.2	0.64	6	310	< 0.5	< 2	0.03	< 0.5	< 1	38	< 1	0.38	< 10	< 1	0.35	30	0.02	5
130325	205 226	< 5	< 0.2	0.65	8	1190	< 0.5	< 2	0.45	< 0.5	< 1	68	1	1.57	< 10	< 1	0.37	30	0.03	295
130326	205 226	< 5	< 0.2	0.61	8	390	< 0.5	< 2	0.10	< 0.5	< 1	54	1	1.26	< 10	< 1	0.38	30	0.01	180
130327	205 226	< 5	1.4	0.98	10	510	0.5	< 2	0.02	< 0.5	< 1	22	7	2.79	< 10	< 1	0.35	60	0.04	45
130328	205 226	< 5	< 0.2	0.78	22	330	0.5	2	0.02	< 0.5	< 1	9	3	2.33	< 10	< 1	0.72	90	0.05	5
130329	205 226	< 5	< 0.2	0.61	< 2	190	0.5	2	0.42	< 0.5	< 1	76	2	0.79	< 10	< 1	0.36	80	0.05	205
130330	205 226	< 5	< 0.2	0.90	< 2	290	< 0.5	< 2	1.25	< 0.5	4	24	20	4.78	< 10	< 1	0.35	10	0.09	85
130331	205 226	< 5	< 0.2	0.88	2	60	< 0.5	< 2	3.79	< 0.5	31	37	44	5.53	< 10	< 1	0.42	10	0.12	255
130332	205 226	< 5	< 0.2	0.72	4	310	< 0.5	< 2	0.01	< 0.5	< 1	33	3	1.11	< 10	< 1	0.34	20	0.01	< 5
130333	205 226	< 5	< 0.2	0.63	60	450	0.5	< 2	7.66	299	< 1	48	2	3.50	< 10	1	0.17	80	1.46	1865

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J. WEBER CC:VIC TANAKA/P. LE COUTEUR

Certificate Date: 25-SEP-1998
Invoice No. :I9831072
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831072

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
130127	205 226	3	0.04	1	250	< 2	< 2	< 1	36	< 0.01	< 10	< 10	< 1	< 10	42	2830
130128	205 226	7	< 0.01	2	500	< 2	< 2	< 1	68	< 0.01	< 10	< 10	< 1	< 10	44	1020
130129	205 226	7	< 0.01	1	60	8	< 2	< 1	12	< 0.01	< 10	< 10	< 1	< 10	4	790
130130	205 226	1	< 0.01	2	40	6	2	< 1	116	< 0.01	< 10	< 10	< 1	< 10	24	240
130131	205 226	9	< 0.01	3	50	< 2	< 2	< 1	13	< 0.01	< 10	< 10	< 1	< 10	20	780
130132	205 226	4	< 0.01	1	960	34	< 2	1	56	< 0.01	< 10	< 10	1	< 10	2	1780
130133	205 226	3	< 0.01	< 1	70	10	2	< 1	9	< 0.01	< 10	< 10	< 1	< 10	2	1300
130134	205 226	17	0.05	3	350	12	< 2	< 1	61	< 0.01	< 10	< 10	1	< 10	6	>10000
130135	205 226	< 1	< 0.01	2	500	10	< 2	< 1	16	< 0.01	< 10	< 10	< 1	< 10	14	6710
130184	205 226	6	< 0.01	9	540	6	< 2	1	44	< 0.01	< 10	< 10	4	< 10	80	1270
130185	205 226	10	< 0.01	1	130	30	2	< 1	8	< 0.01	< 10	< 10	< 1	< 10	< 2	850
130186	205 226	10	< 0.01	12	200	250	2	< 1	45	< 0.01	< 10	< 10	1	< 10	10	690
130187	205 226	7	< 0.01	1	30	12	< 2	< 1	2	< 0.01	< 10	< 10	< 1	< 10	2	1810
130188	205 226	3	< 0.01	1	40	8	< 2	< 1	3	< 0.01	< 10	< 10	< 1	< 10	< 2	820
130189	205 226	1	< 0.01	1	40	14	< 2	< 1	5	< 0.01	< 10	< 10	< 1	< 10	< 2	1070
130190	205 226	21	< 0.01	34	4210	30	12	1	51	< 0.01	< 10	< 10	339	< 10	198	160
130191	205 226	14	< 0.01	5	220	4	< 2	< 1	22	< 0.01	< 10	< 10	2	< 10	14	1000
130192	205 226	4	< 0.01	1	70	28	< 2	< 1	4	< 0.01	< 10	< 10	< 1	< 10	2	590
130193	205 226	6	< 0.01	3	10	2	< 2	< 1	17	< 0.01	< 10	10	1	< 10	8	20
130194	205 226	6	0.01	60	1690	14	< 2	3	346	< 0.01	< 10	< 10	8	< 10	40	490
130195	205 226	4	< 0.01	23	1680	16	< 2	8	37	< 0.01	< 10	< 10	21	< 10	10	680
130196	205 226	12	< 0.01	17	250	40	8	< 1	18	< 0.01	< 10	< 10	17	< 10	14	130
130197	205 226	6	< 0.01	2	20	24	4	< 1	8	< 0.01	< 10	< 10	1	< 10	10	1770
130198	205 226	10	< 0.01	3	270	22	< 2	< 1	24	< 0.01	< 10	< 10	< 1	< 10	18	2200
130199	205 226	34	< 0.01	5	40	38	< 2	< 1	3	< 0.01	< 10	< 10	< 1	< 10	24	700
130200	205 226	4	< 0.01	11	3100	< 2	< 2	7	272	< 0.01	< 10	< 10	29	< 10	24	1030
130205	205 226	1	< 0.01	4	140	30	< 2	< 1	5	< 0.01	< 10	< 10	< 1	< 10	< 2	590
130206	205 226	5	< 0.01	< 1	60	10	< 2	< 1	150	< 0.01	< 10	< 10	1	< 10	12	580
130207	205 226	14	< 0.01	5	70	42	2	< 1	6	< 0.01	< 10	< 10	< 1	< 10	2	2250
130323	205 226	9	< 0.01	5	370	48	< 2	< 1	17	< 0.01	< 10	< 10	11	< 10	54	3010
130324	205 226	6	< 0.01	< 1	50	14	< 2	< 1	6	< 0.01	< 10	< 10	< 1	< 10	< 2	2800
130325	205 226	4	< 0.01	1	150	10	< 2	< 1	22	< 0.01	< 10	< 10	1	< 10	10	5280
130326	205 226	4	< 0.01	1	200	24	< 2	< 1	22	< 0.01	< 10	< 10	< 1	< 10	8	1660
130327	205 226	7	0.01	3	370	14	< 2	< 1	26	< 0.01	< 10	< 10	3	< 10	46	2230
130328	205 226	3	< 0.01	1	640	162	2	< 1	139	< 0.01	< 10	< 10	< 1	< 10	8	2070
130329	205 226	3	0.02	1	170	6	6	1	21	< 0.01	< 10	< 10	< 1	< 10	20	1260
130330	205 226	3	0.01	7	2460	8	4	4	214	< 0.01	< 10	< 10	45	< 10	24	2010
130331	205 226	3	< 0.01	38	2630	2	< 2	5	377	< 0.01	< 10	< 10	44	< 10	50	1280
130332	205 226	4	< 0.01	1	780	142	< 2	1	52	< 0.01	< 10	< 10	20	< 10	< 2	2660
130333	205 226	231	0.08	9	150	190	< 2	1	128	< 0.01	< 10	< 10	1	< 10	>10000	670

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J. WEBER CC:VIC TANAKA/P. LE COUTEUR

Page Number :2-A
Total Pages :2
Certificate Date: 25-SEP-1998
Invoice No. :I9831072
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831072

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
130334	205	226	< 5	0.2	0.56	72	110	0.5	< 2	9.21	374	1	29	4	4.53	< 10	< 1	0.12	80	1.23	1875
130335	205	226	< 5	< 0.2	1.09	20	190	0.5	< 2	8.89	1.5	17	41	30	4.99	< 10	< 1	0.12	20	0.82	1165
130336	205	226	< 5	< 0.2	0.61	8	80	< 0.5	< 2	0.38	1.5	1	62	2	4.82	< 10	< 1	0.48	200	0.07	60
130337	205	226	< 5	< 0.2	0.44	6	240	< 0.5	< 2	0.04	< 0.5	< 1	98	11	1.88	< 10	< 1	0.44	80	0.01	15
130338	205	226	< 5	< 0.2	0.57	6	60	< 0.5	< 2	< 0.01	< 0.5	< 1	178	3	3.44	< 10	< 1	0.25	10	< 0.01	10
130339	205	226	< 5	< 0.2	0.33	14	110	< 0.5	< 2	0.02	< 0.5	< 1	129	< 1	0.58	< 10	< 1	0.29	70	0.01	25
130340	205	226	< 5	0.6	0.42	10	620	< 0.5	< 2	11.30	2.0	1	23	4	5.84	< 10	3	0.03	< 10	6.68	330
130341	205	226	< 5	0.2	0.16	8	80	< 0.5	< 2	13.45	< 0.5	< 1	17	2	4.38	< 10	< 1	0.01	< 10	7.99	640
130342	205	226	< 5	1.0	0.09	36	10	< 0.5	< 2	8.24	1.5	< 1	18	4	10.25	< 10	< 1	0.02	< 10	5.64	355
130343	205	226	< 5	< 0.2	0.21	14	270	< 0.5	< 2	13.25	< 0.5	< 1	14	2	1.11	< 10	< 1	0.06	< 10	8.11	510
130344	205	226	< 5	0.8	0.18	28	40	< 0.5	< 2	9.27	0.5	2	23	5	7.23	< 10	< 1	0.05	< 10	5.39	340
130345	205	226	< 5	< 0.2	0.23	10	360	< 0.5	< 2	11.70	< 0.5	1	58	4	1.19	< 10	< 1	0.05	< 10	7.20	300
130346	205	226	< 5	1.4	0.04	22	20	< 0.5	< 2	5.99	1.0	2	40	14	13.20	< 10	5	< 0.01	< 10	5.42	270
130347	205	226	< 5	1.4	0.12	20	10	< 0.5	< 2	6.66	0.5	2	63	16	14.20	10	1	0.05	10	3.60	215
130348	205	226	< 5	2.0	0.03	30	< 10	< 0.5	< 2	5.83	1.5	3	37	23	>15.00	10	4	< 0.01	< 10	4.10	280
130349	205	226	< 5	< 0.2	0.05	2	110	< 0.5	2	>15.00	< 0.5	< 1	28	< 1	0.43	< 10	< 1	< 0.01	< 10	10.45	310
130350	205	226	< 5	0.2	0.05	4	140	< 0.5	< 2	>15.00	< 0.5	< 1	31	4	2.88	< 10	< 1	< 0.01	< 10	9.43	315
130401	205	226	< 5	< 0.2	0.17	< 2	160	< 0.5	2	>15.00	< 0.5	1	19	4	0.73	< 10	< 1	0.08	< 10	1.51	735
130402	205	226	< 5	0.6	0.47	8	30	< 0.5	< 2	0.18	< 0.5	1	56	4	4.96	< 10	< 1	0.31	30	0.09	10
130403	205	226	< 5	< 0.2	0.07	< 2	10	0.5	< 2	>15.00	< 0.5	< 1	5	1	0.25	< 10	< 1	0.01	< 10	11.10	430
130404	205	226	< 5	0.2	1.03	50	30	0.5	< 2	0.95	< 0.5	3	77	16	6.67	< 10	< 1	0.56	190	0.07	40
130405	205	226	< 5	< 0.2	0.75	4	80	1.0	< 2	0.39	0.5	1	23	3	2.69	< 10	< 1	0.41	100	0.10	15
130406	205	226	< 5	< 0.2	0.49	10	80	0.5	< 2	8.35	< 0.5	< 1	34	9	7.35	< 10	< 1	0.27	20	2.52	1045

CERTIFICATION: Ken Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J. WEBER CC:VIC TANAKA/P. LE COUTEUR

Certificate Date: 25-SEP-1998
Invoice No. : I9831072
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831072

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
130334	205	226	223	0.10	12	150	182	< 2	< 1	148	< 0.01	< 10	< 10	< 1	< 10	>10000	860
130335	205	226	3	0.05	16	1280	4	< 2	11	325	< 0.01	< 10	< 10	35	< 10	116	1020
130336	205	226	17	< 0.01	1	180	40	< 2	< 1	11	< 0.01	< 10	< 10	< 1	< 10	66	920
130337	205	226	6	< 0.01	1	80	18	< 2	< 1	11	< 0.01	< 10	< 10	< 1	< 10	18	2020
130338	205	226	1	0.01	4	380	46	< 2	< 1	27	< 0.01	< 10	< 10	1	< 10	10	320
130339	205	226	5	< 0.01	1	200	14	< 2	< 1	9	< 0.01	< 10	< 10	< 1	< 10	8	740
130340	205	226	< 1	< 0.01	9	60	108	< 2	1	306	< 0.01	< 10	< 10	11	< 10	1740	4650
130341	205	226	< 1	< 0.01	8	50	106	< 2	1	261	< 0.01	< 10	< 10	10	< 10	110	850
130342	205	226	1	< 0.01	6	20	478	< 2	1	95	< 0.01	< 10	< 10	10	< 10	364	240
130343	205	226	1	0.01	5	50	42	< 2	1	237	< 0.01	< 10	< 10	11	< 10	18	1270
130344	205	226	< 1	0.01	9	150	260	< 2	1	217	< 0.01	< 10	< 10	9	< 10	90	260
130345	205	226	1	< 0.01	9	190	42	< 2	1	475	< 0.01	< 10	< 10	8	< 10	90	3230
130346	205	226	< 1	< 0.01	12	50	388	2	< 1	255	< 0.01	< 10	< 10	9	< 10	270	220
130347	205	226	< 1	< 0.01	9	50	616	4	< 1	295	< 0.01	< 10	< 10	9	< 10	178	210
130348	205	226	< 1	< 0.01	12	40	696	10	< 1	231	< 0.01	< 10	< 10	8	< 10	208	180
130349	205	226	< 1	< 0.01	3	30	10	< 2	< 1	284	< 0.01	< 10	< 10	5	< 10	54	440
130350	205	226	< 1	< 0.01	4	40	104	< 2	< 1	529	< 0.01	< 10	< 10	9	< 10	88	730
130401	205	226	< 1	< 0.01	3	250	24	< 2	1	552	< 0.01	< 10	< 10	9	10	< 2	460
130402	205	226	3	< 0.01	4	150	32	2	< 1	8	< 0.01	< 10	< 10	< 1	< 10	< 2	1310
130403	205	226	< 1	< 0.01	5	100	16	< 2	< 1	95	< 0.01	< 10	< 10	3	< 10	12	130
130404	205	226	16	< 0.01	5	270	116	4	< 1	25	< 0.01	< 10	< 10	1	< 10	22	770
130405	205	226	10	0.01	2	180	22	< 2	< 1	17	< 0.01	< 10	< 10	< 1	< 10	98	2900
130406	205	226	4	< 0.01	10	480	74	< 2	< 1	157	< 0.01	< 10	< 10	1	< 10	14	520

CERTIFICATION: Stuart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J. WEBER CC:VIC TANAKA / P. LECOUTEUR

Page Number :1-A
Total Pages :1
Certificate Date: 25-SEP-1998
Invoice No. :I9831056
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831056

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
130140	205	226	< 5	4810	1.6	0.46	44	300	0.5	< 2	0.01	< 0.5	< 1	28	15	4.09	< 10	< 1	0.60	40	0.03
130141	205	226	< 5	1880	< 0.2	0.94	< 2	740	2.0	< 2	0.04	< 0.5	2	25	24	6.55	< 10	< 1	0.31	30	0.08
130142	205	226	< 5	1510	< 0.2	0.37	10	200	< 0.5	< 2	0.01	< 0.5	< 1	25	< 1	1.94	< 10	< 1	0.58	80	0.02
130143	205	226	< 5	2220	0.2	0.38	14	10	< 0.5	< 2	< 0.01	< 0.5	< 1	29	13	10.75	< 10	2	0.29	20	0.01
130144	205	226	< 5	560	1.0	0.40	22	< 10	0.5	< 2	0.02	< 0.5	2	56	23	14.40	< 10	< 1	0.34	< 10	0.03
130145	205	226	< 5	2500	< 0.2	0.23	10	50	< 0.5	< 2	0.12	< 0.5	1	93	5	3.91	< 10	< 1	0.33	70	< 0.01

CERTIFICATION: _____

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J. WEBER CC:VIC TANAKA / P. LECOUTEUR

Page Number : 1-B
Total Pages : 1
Certificate Date: 25-SEP-1998
Invoice No. : I9831056
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831056

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
130140	205	226	55	10	0.01	1	150	36	< 2	< 1	23	< 0.01	< 10	< 10	< 1	20	64
130141	205	226	680	8	< 0.01	8	170	26	< 2	< 1	30	< 0.01	< 10	< 10	1	< 10	222
130142	205	226	15	4	< 0.01	< 1	110	16	< 2	< 1	14	< 0.01	< 10	< 10	< 1	< 10	4
130143	205	226	10	10	< 0.01	3	110	44	< 2	< 1	2	< 0.01	< 10	< 10	1	< 10	12
130144	205	226	20	12	< 0.01	4	110	596	6	< 1	5	< 0.01	< 10	< 10	2	< 10	134
130145	205	226	5	10	< 0.01	3	200	22	< 2	< 1	19	< 0.01	< 10	< 10	< 1	< 10	2

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Certificate Date: 01-OCT-1998
Invoice No. : I9831791
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831791

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
130136	205 226	< 5	< 0.2	0.29	10	100	< 0.5	< 2	< 0.01	< 0.5	< 1	40	5	6.32	< 10	2	0.27	10	0.02	35
130137	205 226	< 5	< 0.2	1.32	8	190	1.5	< 2	2.43	< 0.5	1	33	4	2.41	10	< 1	0.69	240	0.28	585
130138	205 226	< 5	0.2	0.84	< 2	50	1.0	< 2	0.01	< 0.5	1	8	4	7.66	< 10	< 1	0.49	170	0.04	< 5
130139	205 226	< 5	< 0.2	0.74	< 2	70	0.5	< 2	0.01	< 0.5	< 1	7	3	3.58	< 10	< 1	0.59	120	0.03	60
130351	205 226	< 5	0.8	0.10	< 2	120	< 0.5	< 2	11.65	< 0.5	< 1	27	4	5.36	< 10	< 1	0.03	< 10	7.02	285
130352	205 226	< 5	0.2	0.09	14	210	< 0.5	< 2	14.20	2.0	< 1	19	1	2.41	< 10	4	0.03	< 10	8.67	315
130353	205 226	< 5	0.2	0.06	10	130	< 0.5	2	13.10	0.5	< 1	25	< 1	3.17	< 10	< 1	0.01	< 10	7.92	285
130354	205 226	< 5	0.2	0.05	6	370	< 0.5	< 2	14.70	< 0.5	2	11	< 1	1.78	< 10	< 1	< 0.01	< 10	8.91	415
130355	205 226	< 5	0.2	0.32	24	850	< 0.5	< 2	12.25	< 0.5	1	19	< 1	4.62	< 10	2	0.09	< 10	7.26	430
130356	205 226	< 5	< 0.2	0.14	8	490	< 0.5	< 2	14.05	< 0.5	< 1	9	< 1	0.55	< 10	< 1	0.05	< 10	8.54	275
130357	205 226	< 5	2.0	0.03	32	< 10	< 0.5	< 2	4.87	< 0.5	< 1	17	25	>15.00	< 10	4	< 0.01	< 10	3.34	160
130358	205 226	< 5	3.4	0.04	40	10	< 0.5	< 2	3.04	< 0.5	1	22	26	>15.00	< 10	2	0.01	< 10	1.60	155
130359	205 226	< 5	< 0.2	0.03	< 2	50	< 0.5	< 2	5.85	< 0.5	< 1	7	< 1	2.59	< 10	< 1	< 0.01	< 10	3.57	240
130360	205 226	< 5	< 0.2	0.21	8	700	< 0.5	2	>15.00	< 0.5	< 1	12	< 1	5.08	< 10	< 1	< 0.01	< 10	5.82	395
130361	205 226	< 5	< 0.2	0.17	8	90	< 0.5	< 2	11.00	< 0.5	< 1	10	< 1	3.57	< 10	< 1	< 0.01	< 10	6.26	430
130362	205 226	< 5	< 0.2	1.11	16	200	< 0.5	< 2	5.63	< 0.5	62	9	62	8.53	< 10	1	0.16	30	1.51	380
130363	205 226	< 5	< 0.2	0.81	< 2	80	< 0.5	< 2	3.25	< 0.5	35	12	23	3.14	< 10	< 1	0.26	20	1.03	180
130364	205 226	< 5	0.2	0.57	14	40	< 0.5	< 2	4.64	< 0.5	27	15	9	11.60	< 10	< 1	0.16	< 10	2.38	190
130365	205 226	< 5	0.2	0.68	< 2	10	< 0.5	< 2	2.64	< 0.5	51	22	59	12.85	< 10	2	0.16	10	1.13	130
130366	205 226	< 5	1.2	0.05	14	< 10	< 0.5	< 2	7.09	5.0	< 1	27	16	>15.00	< 10	4	0.02	< 10	0.37	250
130367	205 226	< 5	0.6	0.54	4	50	< 0.5	< 2	2.68	2.5	3	30	19	6.61	< 10	< 1	0.23	20	0.77	235
130368	205 226	< 5	0.6	0.47	48	50	0.5	< 2	0.47	< 0.5	2	25	12	6.35	< 10	< 1	0.36	70	0.05	50
130369	205 226	< 5	< 0.2	0.91	6	510	0.5	< 2	2.48	1.0	2	29	5	1.56	10	< 1	0.80	390	0.82	355
130370	205 226	< 5	0.4	3.10	18	910	1.0	< 2	3.37	0.5	20	140	26	4.92	< 10	< 1	0.17	40	2.16	790
130371	205 226	< 5	< 0.2	0.44	20	140	1.5	< 2	0.18	< 0.5	15	15	80	5.80	< 10	3	0.33	50	0.05	525
130372	205 226	< 5	2.4	0.03	54	10	< 0.5	< 2	1.76	1.5	< 1	34	23	>15.00	< 10	7	< 0.01	< 10	0.90	95
130373	205 226	< 5	2.0	0.03	52	< 10	< 0.5	< 2	3.07	1.5	< 1	35	4	>15.00	< 10	8	< 0.01	< 10	1.61	115
130374	205 226	< 5	1.8	0.07	40	90	< 0.5	< 2	5.38	2.0	< 1	35	2	>15.00	< 10	8	0.01	< 10	2.93	270
130375	205 226	< 5	1.6	0.16	50	20	< 0.5	< 2	6.48	4.5	< 1	27	5	>15.00	< 10	20	0.02	< 10	3.84	240
130376	205 226	< 5	0.2	0.17	8	40	< 0.5	< 2	9.30	< 0.5	< 1	29	3	10.45	< 10	2	0.11	< 10	1.99	1045
130377	205 226	< 5	< 0.2	0.28	12	140	< 0.5	< 2	0.48	< 0.5	< 1	26	2	2.60	< 10	< 1	0.41	20	0.06	60
130378	205 226	< 5	< 0.2	0.97	2	130	0.5	< 2	12.55	4.5	< 1	32	< 1	4.23	< 10	2	0.09	60	2.04	2590
130379	205 226	< 5	< 0.2	1.24	10	100	0.5	< 2	8.14	1.5	< 1	36	< 1	4.22	< 10	< 1	0.01	50	2.25	2270
130407	205 226	< 5	< 0.2	0.87	2	350	1.5	< 2	2.15	< 0.5	1	11	4	2.21	< 10	1	0.45	180	0.61	640
130408	205 226	< 5	< 0.2	0.29	< 2	100	< 0.5	< 2	2.25	< 0.5	< 1	36	3	0.68	< 10	< 1	0.14	80	0.10	160
130409	205 226	< 5	< 0.2	0.76	< 2	210	0.5	< 2	10.30	< 0.5	< 1	7	< 1	8.03	< 10	< 1	0.26	50	1.29	2990
130410	205 226	< 5	< 0.2	0.29	< 2	70	0.5	< 2	0.15	< 0.5	< 1	41	< 1	6.43	< 10	< 1	0.47	10	0.09	40
130411	205 226	< 5	< 0.2	0.43	10	70	1.0	< 2	0.10	< 0.5	< 1	36	3	1.04	< 10	< 1	0.37	100	0.04	50
130412	205 226	< 5	< 0.2	0.36	< 2	240	< 0.5	< 2	0.88	< 0.5	< 1	69	1	0.84	< 10	< 1	0.26	150	0.43	200
130413	205 226	< 5	4.2	0.32	80	10	< 0.5	< 2	1.02	< 0.5	21	70	72	12.10	< 10	< 1	0.19	< 10	0.31	100

CERTIFICATION: Ian Fuchlen

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Certificate Date: 01-OCT-1998
Invoice No. :I9831791
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831791

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
130136	205 226	5	< 0.01	2	170	20	< 2	< 1	5	< 0.01	< 10	< 10	1	< 10	10	1310
130137	205 226	7	0.01	1	270	2	2	1	38	< 0.01	< 10	< 10	< 1	< 10	14	1360
130138	205 226	20	< 0.01	3	200	38	< 2	< 1	7	< 0.01	< 10	< 10	2	< 10	6	1290
130139	205 226	4	< 0.01	2	110	18	< 2	< 1	6	< 0.01	< 10	< 10	2	< 10	6	670
130351	205 226	< 1	< 0.01	6	70	186	2	1	703	< 0.01	< 10	< 10	18	< 10	250	870
130352	205 226	< 1	< 0.01	5	40	96	< 2	< 1	512	< 0.01	< 10	< 10	15	< 10	1020	1500
130353	205 226	< 1	< 0.01	3	< 10	118	< 2	< 1	400	< 0.01	< 10	< 10	13	< 10	324	1200
130354	205 226	< 1	< 0.01	6	30	54	< 2	< 1	543	< 0.01	< 10	< 10	15	< 10	56	2260
130355	205 226	< 1	0.01	9	40	44	6	1	349	< 0.01	< 10	< 10	20	< 10	186	2130
130356	205 226	< 1	< 0.01	4	20	14	< 2	1	146	< 0.01	< 10	< 10	14	< 10	38	1620
130357	205 226	< 1	< 0.01	16	< 10	734	8	< 1	148	< 0.01	< 10	10	12	< 10	102	290
130358	205 226	< 1	< 0.01	18	20	1145	14	< 1	132	< 0.01	< 10	30	9	< 10	160	280
130359	205 226	< 1	< 0.01	2	< 10	72	2	< 1	158	< 0.01	< 10	7	< 10	2	>10000	
130360	205 226	< 1	< 0.01	2	< 10	122	< 2	< 1	2240	< 0.01	< 10	< 10	15	< 10	18	5170
130361	205 226	< 1	< 0.01	3	< 10	52	< 2	< 1	398	< 0.01	< 10	< 10	13	< 10	6	>10000
130362	205 226	1	0.08	52	5170	62	< 2	14	144	< 0.01	< 10	< 10	77	< 10	8	1710
130363	205 226	1	0.05	17	3640	28	< 2	6	71	< 0.01	< 10	< 10	40	< 10	< 2	7980
130364	205 226	2	0.03	15	1720	66	2	7	127	< 0.01	< 10	< 10	37	< 10	6	7640
130365	205 226	< 1	0.05	35	3320	40	2	13	54	< 0.01	< 10	< 10	48	< 10	6	2600
130366	205 226	< 1	< 0.01	9	10	158	2	< 1	2050	< 0.01	< 10	10	4	< 10	1680	640
130367	205 226	4	< 0.01	18	360	28	< 2	1	364	< 0.01	< 10	< 10	16	< 10	1150	740
130368	205 226	29	< 0.01	10	220	106	4	< 1	111	< 0.01	< 10	< 10	< 1	< 10	64	530
130369	205 226	8	0.01	6	230	10	< 2	1	65	< 0.01	< 10	< 10	3	< 10	50	5730
130370	205 226	15	0.01	62	1550	42	2	4	197	0.35	< 10	< 10	62	< 10	80	2770
130371	205 226	21	0.04	23	200	36	< 2	< 1	16	0.02	< 10	< 10	1	< 10	18	2040
130372	205 226	< 1	< 0.01	13	10	732	4	< 1	139	< 0.01	< 10	20	9	< 10	582	240
130373	205 226	< 1	< 0.01	11	10	976	2	< 1	37	< 0.01	< 10	10	11	< 10	796	230
130374	205 226	< 1	< 0.01	12	10	318	< 2	< 1	101	< 0.01	< 10	10	13	< 10	1460	>10000
130375	205 226	< 1	< 0.01	14	40	324	4	1	203	< 0.01	< 10	10	14	< 10	5150	1050
130376	205 226	< 1	< 0.01	4	< 10	28	< 2	< 1	125	< 0.01	< 10	< 10	7	< 10	32	480
130377	205 226	7	< 0.01	< 1	400	16	< 2	< 1	22	< 0.01	< 10	< 10	< 1	< 10	64	1370
130378	205 226	39	0.03	< 1	10	46	2	< 1	210	< 0.01	< 10	< 10	3	< 10	1430	380
130379	205 226	33	< 0.01	1	30	252	2	< 1	141	< 0.01	< 10	< 10	3	< 10	560	280
130407	205 226	3	< 0.01	4	240	10	< 2	< 1	34	< 0.01	< 10	< 10	1	< 10	36	3320
130408	205 226	9	0.03	5	150	20	< 2	< 1	69	< 0.01	< 10	< 10	< 1	< 10	14	910
130409	205 226	1	0.04	1	220	< 2	< 2	< 1	119	< 0.01	< 10	< 10	3	< 10	44	1350
130410	205 226	9	< 0.01	< 1	160	48	6	< 1	5	< 0.01	< 10	< 10	1	< 10	54	240
130411	205 226	1	< 0.01	< 1	90	2	< 2	< 1	6	< 0.01	< 10	< 10	< 1	< 10	6	530
130412	205 226	1	< 0.01	4	20	< 2	< 2	< 1	63	< 0.01	< 10	< 10	1	< 10	16	2040
130413	205 226	4	< 0.01	299	750	102	14	2	63	< 0.01	< 10	< 10	33	< 10	80	290

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Certificate Date: 01-OCT-1998
Invoice No. : I9831791
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831791

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
130414	205	226	< 5	< 0.2	0.64	6	120	1.5	< 2	0.33	< 0.5	< 1	10	8	1.58	< 10	< 1	0.42	110	0.10	280
130415	205	226	< 5	< 0.2	1.59	12	410	1.5	< 2	0.16	5.0	9	26	16	3.91	< 10	< 1	0.32	120	0.22	430
130416	205	226	< 5	< 0.2	0.40	2	40	0.5	< 2	1.87	10.0	< 1	28	< 1	0.92	< 10	< 1	0.31	100	1.01	330
130417	205	226	< 5	< 0.2	0.47	2	100	< 0.5	< 2	4.23	< 0.5	1	11	10	2.18	< 10	< 1	0.35	30	0.90	595
130418	205	226	< 5	< 0.2	0.55	10	40	< 0.5	< 2	0.15	< 0.5	< 1	19	< 1	1.12	< 10	< 1	0.41	30	0.03	20
130419	205	226	< 5	< 0.2	0.39	16	10	0.5	< 2	< 0.01	< 0.5	< 1	67	3	7.29	< 10	< 1	0.19	< 10	0.03	5
130420	205	226	< 5	< 0.2	0.17	24	150	< 0.5	< 2	7.80	< 0.5	< 1	25	< 1	3.07	< 10	< 1	0.10	20	3.25	400
130421	205	226	< 5	< 0.2	0.65	48	330	0.5	< 2	0.08	< 0.5	4	58	24	9.88	< 10	< 1	0.39	40	0.09	585
130422	205	226	< 5	< 0.2	0.56	10	240	< 0.5	< 2	0.06	< 0.5	< 1	9	4	2.06	< 10	< 1	0.42	60	0.02	15
130423	205	226	< 5	< 0.2	0.52	< 2	220	< 0.5	< 2	0.04	< 0.5	< 1	22	1	1.56	< 10	< 1	0.38	60	0.01	5
130424	205	226	< 5	< 0.2	0.43	< 2	210	< 0.5	< 2	0.01	< 0.5	< 1	21	1	1.18	< 10	< 1	0.36	120	0.01	< 5
130425	205	226	< 5	0.2	0.64	< 2	50	< 0.5	< 2	< 0.01	< 0.5	< 1	13	7	3.75	< 10	< 1	0.39	< 10	0.01	< 5
130426	205	226	< 5	0.2	0.22	64	20	< 0.5	< 2	< 0.01	< 0.5	< 1	63	14	>15.00	< 10	1	0.17	< 10	< 0.01	5
130427	205	226	< 5	0.2	0.48	< 2	100	< 0.5	< 2	1.68	< 0.5	< 1	23	3	1.73	< 10	< 1	0.28	40	< 0.01	85
130428	205	226	< 5	0.2	0.63	22	300	< 0.5	< 2	0.21	< 0.5	< 1	96	4	2.04	< 10	< 1	0.30	20	0.01	25
130429	205	226	< 5	0.2	0.09	40	10	< 0.5	< 2	0.03	< 0.5	< 1	17	12	>15.00	< 10	2	0.08	< 10	< 0.01	15
130430	205	226	< 5	0.4	0.36	26	< 10	< 0.5	< 2	0.01	< 0.5	< 1	71	8	>15.00	< 10	3	0.20	< 10	0.01	5
130431	205	226	< 5	0.8	0.66	34	50	0.5	< 2	1.00	< 0.5	2	21	21	5.76	< 10	< 1	0.37	290	0.05	130
130432	205	226	< 5	< 0.2	0.24	70	130	< 0.5	< 2	0.01	< 0.5	< 1	71	< 1	2.39	< 10	< 1	0.01	30	< 0.01	5
130433	205	226	< 5	0.2	0.89	6	280	1.5	< 2	3.95	< 0.5	< 1	9	3	5.56	< 10	1	0.15	60	0.21	2210

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Page Number :2-B
Total Pages :2
Certificate Date: 01-OCT-1998
Invoice No. :I9831791
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831791

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
130414	205	226	5	< 0.01	8	210	14	< 2	< 1	28	< 0.01	< 10	< 10	2	< 10	14	980
130415	205	226	6	< 0.01	56	440	< 2	< 2	2	17	< 0.01	< 10	< 10	8	< 10	486	2950
130416	205	226	3	< 0.01	4	120	< 2	2	< 1	25	< 0.01	< 10	< 10	1	< 10	82	510
130417	205	226	5	< 0.01	15	60	12	< 2	< 1	282	< 0.01	< 10	< 10	7	< 10	18	1090
130418	205	226	6	< 0.01	< 1	30	52	2	< 1	7	< 0.01	10	< 10	< 1	< 10	< 2	210
130419	205	226	3	< 0.01	3	10	92	< 2	< 1	3	< 0.01	< 10	< 10	4	< 10	6	>10000
130420	205	226	1	< 0.01	2	10	16	2	< 1	143	< 0.01	< 10	< 10	9	< 10	16	990
130421	205	226	29	0.01	13	1030	8	4	1	57	0.05	< 10	< 10	99	< 10	98	1390
130422	205	226	11	< 0.01	4	290	22	2	< 1	20	< 0.01	< 10	< 10	10	< 10	2	2140
130423	205	226	2	< 0.01	< 1	80	12	< 2	< 1	11	< 0.01	< 10	< 10	< 1	< 10	2	1420
130424	205	226	3	0.04	< 1	210	6	2	< 1	16	< 0.01	< 10	< 10	< 1	< 10	2	4890
130425	205	226	5	< 0.01	5	< 10	12	< 2	< 1	5	< 0.01	< 10	< 10	6	< 10	< 2	1700
130426	205	226	12	0.01	2	< 10	102	< 2	< 1	2	< 0.01	< 10	10	3	< 10	10	1480
130427	205	226	1	< 0.01	3	240	12	< 2	< 1	210	< 0.01	< 10	< 10	1	< 10	26	1220
130428	205	226	9	< 0.01	3	840	20	2	< 1	48	< 0.01	< 10	< 10	26	< 10	16	1750
130429	205	226	3	< 0.01	1	70	96	2	< 1	6	< 0.01	< 10	10	2	< 10	30	6510
130430	205	226	3	< 0.01	4	< 10	74	2	< 1	2	< 0.01	< 10	10	6	< 10	10	850
130431	205	226	28	< 0.01	10	380	44	4	< 1	26	< 0.01	< 10	< 10	4	< 10	26	680
130432	205	226	1	0.16	< 1	80	148	< 2	< 1	11	< 0.01	< 10	< 10	< 1	< 10	2	360
130433	205	226	5	0.08	1	10	6	< 2	< 1	27	< 0.01	< 10	< 10	1	< 10	48	1360

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9831831

Comments: ATTN:J. WEBER CC:VIC TANAKA/P. LE COUTEUR

CERTIFICATE A9831831

(EIA) - EQUITY ENGINEERING LTD.

Project: STARR
P.O. # : PTH98-01

Samples submitted to our lab in Vancouver, BC.
This report was printed on 28-SEP-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	2	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
316	2	Zn %; Conc. Nitric-HCL dig'n	AAS	0.01	100.0

Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS A9831831

SAMPLE	PREP CODE	Zn %
130333	244 --	1.32
130334	244 --	1.75

OVERLIMITS from A9831072

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9831820

Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

CERTIFICATE A9831820

(EIA) - EQUITY ENGINEERING LTD.

Project: STARR
P.O. # : PTH98-01

Samples submitted to our lab in Vancouver, BC.
This report was printed on 01-OCT-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	127	Dry, sieve to -80 mesh
202	127	save reject
229	127	ICP - AQ Digestion charge
232	127	Perchloric-nitric-HF digestion

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	127	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	127	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	127	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	127	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	127	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	127	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	127	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	127	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	127	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	127	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	127	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	127	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	127	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	127	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	127	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	127	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	127	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	127	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	127	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	127	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	127	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	127	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	127	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	127	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	127	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	127	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	127	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	127	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	127	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	127	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	127	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	127	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	127	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
25	127	Ba ppm: HClO4-HNO3-HF digestion	AAS	10	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER OR M. BAKNES CC: VIC TANAKA

Certificate Date: 31-AUG-1998
Invoice No. :I9828908
P.O. Number :PTH 98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9828908

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
CL1524 0000E	201	202	< 5	< 0.2	1.76	10	70	0.5	< 2	0.58	< 0.5	12	27	23	2.92	< 10	< 1	0.03	20	1.07	305
CL1524 0100E	201	202	< 5	< 0.2	0.40	26	190	< 0.5	< 2	0.03	< 0.5	10	8	60	2.98	< 10	< 1	0.12	10	0.04	325
CL1524 0200E	201	202	< 5	< 0.2	2.03	48	130	0.5	< 2	0.11	< 0.5	33	78	47	4.80	< 10	< 1	0.06	20	1.07	1155
CL1524 0300E	201	202	< 5	< 0.2	1.01	64	550	< 0.5	< 2	0.17	0.5	18	27	66	3.47	< 10	< 1	0.09	10	0.43	1030
CL1524 0400E	201	202	< 5	< 0.2	1.17	72	260	< 0.5	< 2	0.11	< 0.5	9	43	27	2.78	< 10	< 1	0.10	20	0.48	335
CL1524 0500E	201	202	< 5	< 0.2	1.10	8	320	< 0.5	< 2	1.11	< 0.5	14	25	47	3.31	< 10	< 1	0.09	20	0.61	665
CL1524 0600E	201	202	< 5	< 0.2	1.44	12	110	0.5	< 2	1.31	< 0.5	14	54	32	2.78	< 10	< 1	0.13	20	1.11	475
CL1524 0700E	201	202	< 5	< 0.2	0.83	106	680	< 0.5	< 2	1.44	0.5	11	19	41	1.98	< 10	< 1	0.10	10	0.42	580
CL1524 0800E	201	202	< 5	0.8	0.35	30	460	< 0.5	< 2	0.11	0.5	15	15	34	5.29	< 10	< 1	0.05	20	0.07	315
CL1524 0890E	201	202	< 5	0.4	0.88	22	310	< 0.5	< 2	0.15	< 0.5	6	32	28	2.47	< 10	< 1	0.08	10	0.20	115
CL1524 1000E	201	202	< 5	0.4	0.27	20	210	< 0.5	< 2	0.10	< 0.5	3	5	24	2.01	< 10	< 1	0.11	40	0.05	105
CL1524 1100E	201	202	< 5	< 0.2	0.34	6	10	< 0.5	< 2	0.03	< 0.5	< 1	1	4	0.58	< 10	< 1	0.03	< 10	0.05	30
CL1524 1200E	201	202	< 5	< 0.2	0.63	10	30	< 0.5	< 2	0.06	< 0.5	5	5	23	1.83	< 10	< 1	0.04	30	0.12	130
CL1524 1300E	201	202	< 5	< 0.2	0.67	28	50	< 0.5	< 2	0.03	< 0.5	7	9	19	2.55	< 10	< 1	0.04	40	0.12	295
CL1524 1400E	201	202	< 5	< 0.2	0.46	14	30	< 0.5	< 2	< 0.01	< 0.5	3	4	9	2.83	< 10	< 1	0.04	50	0.04	115
CL1524 1500E	201	202	< 5	< 0.2	0.34	20	50	< 0.5	< 2	0.01	< 0.5	3	4	9	2.94	< 10	< 1	0.03	80	0.03	360
CL1524 1600E	201	202	< 5	< 0.2	1.64	10	280	< 0.5	< 2	0.45	0.5	17	60	41	4.53	< 10	< 1	0.07	40	1.25	585
CL1524 1700E	201	202	< 5	< 0.2	0.99	26	650	< 0.5	< 2	0.16	0.5	9	23	21	4.87	< 10	< 1	0.05	60	0.36	720
CL1524 1800E	201	202	< 5	< 0.2	0.68	22	580	< 0.5	< 2	0.07	0.5	5	10	13	4.52	< 10	1	0.04	70	0.16	420
CL1524 1900E	201	202	< 5	< 0.2	0.82	24	700	< 0.5	< 2	0.14	< 0.5	5	12	11	3.38	< 10	< 1	0.06	30	0.13	190
CL1600 0000E	201	202	< 5	< 0.2	1.74	16	400	0.5	< 2	0.73	0.5	17	102	34	3.04	< 10	< 1	0.07	50	0.93	380
CL1600 0050E	201	202	< 5	< 0.2	2.47	< 2	960	0.5	< 2	1.09	< 0.5	41	221	67	4.82	10	< 1	0.08	10	2.65	1760
CL1600 0100E	201	202	< 5	< 0.2	0.50	< 2	660	< 0.5	< 2	2.03	1.0	11	37	25	0.96	< 10	< 1	0.09	< 10	0.45	1775
CL1600 0150E	201	202	< 5	< 0.2	2.20	10	550	0.5	< 2	0.63	< 0.5	20	119	52	4.64	< 10	< 1	0.09	70	1.43	725
CL1600 0200E	201	202	< 5	< 0.2	0.53	8	140	< 0.5	< 2	0.05	< 0.5	5	11	7	2.46	< 10	< 1	0.06	60	0.07	560
CL1600 0250E	201	202	< 5	0.2	0.52	20	430	< 0.5	< 2	0.12	< 0.5	17	20	23	4.44	< 10	< 1	0.22	60	0.15	610
CL1600 0300E	201	202	< 5	< 0.2	0.37	8	60	< 0.5	< 2	0.01	< 0.5	4	4	7	1.59	< 10	< 1	0.04	40	0.02	95
CL1600 0350E	201	202	< 5	< 0.2	0.33	26	130	< 0.5	< 2	0.06	< 0.5	5	17	22	5.77	< 10	< 1	0.06	30	0.03	200
CL1600 0400E	201	202	< 5	0.4	0.37	10	150	< 0.5	< 2	0.09	< 0.5	6	17	12	2.37	< 10	< 1	0.06	40	0.09	485
CL1600 0450E	201	202	< 5	0.6	0.71	18	290	< 0.5	< 2	0.06	< 0.5	11	79	22	4.14	< 10	< 1	0.17	40	0.39	265
CL1600 0500E	201	202	< 5	< 0.2	0.50	6	60	< 0.5	< 2	0.01	< 0.5	3	5	8	2.43	< 10	< 1	0.04	40	0.03	395
CL1600 0550E	201	202	< 5	< 0.2	0.45	20	50	< 0.5	< 2	0.02	< 0.5	3	7	7	3.90	< 10	< 1	0.05	60	0.04	245
CL1600 0600E	201	202	< 5	< 0.2	0.68	22	290	< 0.5	< 2	0.09	< 0.5	8	9	18	4.29	< 10	< 1	0.15	60	0.08	340
CL1600 0650E	201	202	< 5	0.2	0.60	30	190	< 0.5	< 2	0.23	0.5	19	13	42	7.88	< 10	< 1	0.36	70	0.08	540
CL1600 0700E	201	202	< 5	0.6	0.59	26	360	< 0.5	< 2	0.12	0.5	12	8	19	4.35	< 10	< 1	0.15	30	0.06	500
CL1600 0750E	201	202	< 5	0.4	0.50	22	420	< 0.5	< 2	0.43	< 0.5	13	11	31	5.48	< 10	< 1	0.25	70	0.09	410
CL1600 0800E	201	202	< 5	0.2	0.47	24	480	< 0.5	< 2	0.05	< 0.5	5	8	19	5.19	< 10	< 1	0.25	60	0.05	270
CL1600 0850E	201	202	< 5	0.2	0.52	8	220	< 0.5	< 2	0.06	< 0.5	4	5	14	2.63	< 10	< 1	0.10	50	0.05	90
CL1600 0900E	201	202	< 5	0.2	0.29	32	200	< 0.5	< 2	< 0.01	< 0.5	1	3	8	3.49	< 10	< 1	0.18	110	0.01	115
CL1600 0950E	201	202	< 5	< 0.2	1.30	28	80	0.5	< 2	0.08	3.0	10	14	20	3.50	< 10	< 1	0.08	120	0.14	460

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SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
CL1524 0000E	201 202	3	0.01	23	840	16	< 2	4	25	0.01	< 10	< 10	17	< 10	72	600
CL1524 0100E	201 202	10	< 0.01	28	860	48	2	< 1	69	< 0.01	< 10	< 10	21	< 10	166	1360
CL1524 0200E	201 202	5	< 0.01	68	600	22	6	3	10	0.07	< 10	< 10	51	< 10	138	840
CL1524 0300E	201 202	10	0.01	51	830	34	2	4	21	0.03	< 10	< 10	25	< 10	140	1360
CL1524 0400E	201 202	11	< 0.01	28	510	16	2	1	16	0.03	< 10	< 10	38	< 10	68	1000
CL1524 0500E	201 202	5	< 0.01	35	840	18	< 2	4	37	< 0.01	< 10	< 10	16	< 10	162	1080
CL1524 0600E	201 202	3	< 0.01	35	830	6	4	3	49	0.01	< 10	< 10	28	< 10	102	580
CL1524 0700E	201 202	9	< 0.01	23	1070	22	10	3	62	< 0.01	< 10	< 10	19	< 10	114	1460
CL1524 0800E	201 202	9	< 0.01	48	780	72	2	4	39	< 0.01	< 10	< 10	40	< 10	72	5500
CL1524 0890E	201 202	4	0.01	28	1080	18	2	< 1	67	0.01	< 10	< 10	29	< 10	122	2300
CL1524 1000E	201 202	5	< 0.01	14	470	38	2	2	132	< 0.01	< 10	< 10	16	< 10	94	4100
CL1524 1100E	201 202	1	0.05	2	390	2	< 2	< 1	5	< 0.01	< 10	< 10	10	< 10	8	840
CL1524 1200E	201 202	5	0.03	13	650	12	< 2	< 1	10	0.01	< 10	< 10	17	< 10	52	1220
CL1524 1300E	201 202	7	0.01	19	580	22	< 2	< 1	8	< 0.01	< 10	< 10	22	< 10	38	1300
CL1524 1400E	201 202	8	< 0.01	9	420	12	< 2	< 1	7	< 0.01	< 10	< 10	15	< 10	24	1280
CL1524 1500E	201 202	11	< 0.01	12	560	18	< 2	< 1	7	< 0.01	< 10	< 10	21	< 10	54	3700
CL1524 1600E	201 202	6	< 0.01	58	830	30	< 2	4	26	0.04	< 10	< 10	33	< 10	206	2600
CL1524 1700E	201 202	9	< 0.01	28	600	42	< 2	3	18	0.01	< 10	< 10	29	< 10	198	5200
CL1524 1800E	201 202	8	< 0.01	18	550	28	2	3	12	0.01	< 10	< 10	22	< 10	238	5200
CL1524 1900E	201 202	7	0.02	13	550	30	< 2	1	21	0.01	< 10	< 10	35	< 10	158	4300
CL1600 0000E	201 202	3	0.01	79	1000	16	2	4	34	0.04	< 10	< 10	41	< 10	106	2450
CL1600 0050E	201 202	2	< 0.01	143	1270	10	< 2	5	26	0.37	< 10	< 10	80	< 10	122	1730
CL1600 0100E	201 202	3	< 0.01	23	1470	< 2	< 2	< 1	56	0.05	< 10	< 10	12	< 10	80	1000
CL1600 0150E	201 202	6	< 0.01	76	1090	18	< 2	4	35	0.10	< 10	< 10	51	< 10	98	2100
CL1600 0200E	201 202	6	0.01	6	840	16	2	< 1	13	0.01	< 10	< 10	15	< 10	34	1740
CL1600 0250E	201 202	9	< 0.01	29	1020	104	6	1	88	0.01	< 10	< 10	17	< 10	90	3600
CL1600 0300E	201 202	5	0.01	4	920	10	< 2	< 1	7	< 0.01	< 10	< 10	10	< 10	18	1420
CL1600 0350E	201 202	13	< 0.01	9	1680	24	2	< 1	13	< 0.01	< 10	< 10	14	< 10	50	2100
CL1600 0400E	201 202	7	< 0.01	12	760	24	2	< 1	16	< 0.01	< 10	< 10	14	< 10	30	1960
CL1600 0450E	201 202	5	< 0.01	43	1030	56	2	< 1	42	0.01	< 10	< 10	31	< 10	54	2900
CL1600 0500E	201 202	6	0.01	3	680	22	< 2	< 1	7	< 0.01	< 10	< 10	10	< 10	22	1520
CL1600 0550E	201 202	8	< 0.01	4	760	28	2	< 1	8	< 0.01	< 10	< 10	14	< 10	46	1400
CL1600 0600E	201 202	11	< 0.01	15	690	56	< 2	1	20	< 0.01	< 10	< 10	11	< 10	80	2300
CL1600 0650E	201 202	8	0.03	29	1170	316	< 2	4	70	< 0.01	< 10	< 10	16	< 10	120	2900
CL1600 0700E	201 202	6	0.02	16	1060	188	< 2	< 1	27	< 0.01	< 10	< 10	16	< 10	72	3700
CL1600 0750E	201 202	7	0.01	26	1100	154	6	3	62	< 0.01	< 10	< 10	14	< 10	74	4900
CL1600 0800E	201 202	12	0.01	12	1060	92	2	< 1	36	< 0.01	< 10	< 10	15	< 10	50	3800
CL1600 0850E	201 202	7	0.02	8	700	72	< 2	< 1	22	< 0.01	< 10	< 10	13	< 10	20	2900
CL1600 0900E	201 202	23	< 0.01	3	680	50	6	< 1	39	< 0.01	< 10	< 10	26	< 10	30	1660
CL1600 0950E	201 202	8	< 0.01	34	1280	40	2	1	38	< 0.01	< 10	< 10	67	< 10	378	1180

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CL1600 1000E	201	202	< 5	< 0.2	0.81	< 2	190	< 0.5	< 2	0.13	0.5	3	14	7	1.50	< 10	< 1	0.05	10	0.20	65
CL1600 1050E	201	202	< 5	< 0.2	0.72	< 2	270	< 0.5	< 2	1.14	< 0.5	11	6	8	4.98	< 10	< 1	0.06	30	0.16	490
CL1600 1100E	201	202	< 5	0.4	0.75	10	200	< 0.5	< 2	0.53	< 0.5	15	19	35	4.41	< 10	< 1	0.05	30	0.32	655
CL1600 1150E	201	202	< 5	0.4	0.40	8	60	< 0.5	< 2	0.01	< 0.5	4	7	19	2.38	< 10	< 1	0.04	10	0.05	105
CL1600 1200E	201	202	< 5	0.2	0.79	14	280	0.5	< 2	0.26	< 0.5	6	12	19	2.87	< 10	2	0.09	50	0.21	335
CL1600 1250E	201	202	< 5	0.2	0.71	8	80	< 0.5	< 2	0.13	< 0.5	2	8	7	1.46	< 10	< 1	0.05	20	0.11	80
CL1600 1300E	201	202	< 5	0.8	0.76	22	250	0.5	< 2	0.48	0.5	9	15	33	2.98	< 10	1	0.11	30	0.39	205
CL1600 1350E	201	202	< 5	< 0.2	0.56	8	190	< 0.5	< 2	0.38	0.5	4	6	16	1.92	< 10	1	0.04	10	0.11	60
CL1600 1400E	201	202	< 5	< 0.2	0.82	20	200	0.5	< 2	0.32	0.5	13	18	25	4.39	< 10	< 1	0.04	30	0.38	515
CL1600 1500E	201	202	< 5	< 0.2	0.55	22	180	< 0.5	< 2	0.15	< 0.5	6	10	9	2.61	< 10	< 1	0.10	30	0.18	345
CL1600 1600E	201	202	< 5	0.2	0.49	30	350	< 0.5	< 2	< 0.01	< 0.5	1	3	11	5.64	< 10	< 1	0.39	130	0.05	220
CL1600 1700E	201	202	< 5	0.2	0.43	32	170	< 0.5	< 2	0.06	< 0.5	3	4	10	3.15	< 10	< 1	0.09	90	0.06	315
CL1600 1800E	201	202	< 5	< 0.2	1.36	10	470	0.5	< 2	1.18	< 0.5	17	21	21	6.30	< 10	< 1	0.12	60	0.79	815
CL1600 1900E	201	202	< 5	< 0.2	1.61	22	640	1.0	< 2	0.78	< 0.5	16	11	17	7.10	< 10	< 1	0.11	90	0.78	570
CL1600 2000E	201	202	< 5	< 0.2	2.40	26	400	1.0	< 2	0.89	< 0.5	25	69	47	5.85	< 10	1	0.12	100	1.88	955
CL1600 2100E	201	202	< 5	< 0.2	1.42	< 2	240	< 0.5	< 2	0.76	< 0.5	16	40	19	2.80	< 10	< 1	0.08	20	1.06	685
CL1600 2200E	201	202	< 5	< 0.2	1.24	22	550	0.5	< 2	0.88	< 0.5	19	36	33	5.06	< 10	< 1	0.10	140	0.61	1905
CL1600 2300E	201	202	< 5	< 0.2	0.80	22	660	0.5	< 2	0.44	< 0.5	35	26	43	8.23	< 10	2	0.07	170	0.27	1475
CL1600 2400E	201	202	< 5	< 0.2	1.02	8	370	1.5	< 2	0.24	< 0.5	9	9	17	4.03	< 10	< 1	0.07	150	0.38	1295
CL1600 2500E	201	202	< 5	< 0.2	0.99	6	490	1.5	< 2	0.51	< 0.5	13	16	20	3.94	< 10	2	0.10	140	0.23	830
CL1600 2600E	201	202	< 5	< 0.2	0.72	8	160	0.5	< 2	0.13	< 0.5	6	19	11	1.99	< 10	1	0.08	50	0.08	570
CL1600 2700E	201	202	< 5	< 0.2	1.31	10	120	0.5	< 2	0.05	< 0.5	7	50	14	3.38	< 10	< 1	0.05	90	0.40	490
CL1600 2800E	201	202	< 5	< 0.2	0.78	10	150	0.5	< 2	< 0.01	< 0.5	1	5	7	3.86	< 10	< 1	0.05	210	0.13	490
CL1600 2900E	201	202	< 5	< 0.2	1.26	10	1890	1.0	< 2	0.64	< 0.5	22	36	41	4.58	< 10	1	0.06	30	0.11	800
CL1600 3000E	201	202	< 5	< 0.2	1.89	28	4170	1.5	< 2	0.37	< 0.5	24	67	29	4.35	< 10	3	0.09	50	0.34	635
CL1600 3100E	201	202	< 5	< 0.2	1.61	< 2	460	0.5	< 2	0.04	< 0.5	8	33	15	4.27	< 10	1	0.06	40	0.17	450
CL1600 3200E	201	202	< 5	< 0.2	1.26	2	680	0.5	< 2	0.12	< 0.5	9	47	25	4.12	< 10	1	0.09	50	0.18	540
CL1604 0000E	201	202	< 5	1.4	0.40	30	290	< 0.5	< 2	0.03	< 0.5	< 1	6	10	2.51	< 10	1	0.23	60	0.04	35
CL1604 0098E	201	202	< 5	0.6	1.24	20	290	< 0.5	< 2	0.12	< 0.5	8	32	17	4.43	< 10	2	0.25	70	0.56	285
CL1604 0325E	201	202	< 5	0.4	0.78	28	230	0.5	< 2	0.03	4.0	4	4	15	5.75	< 10	< 1	0.16	110	0.04	925
CL1604 0373E	201	202	< 5	1.0	1.14	88	240	0.5	< 2	0.05	1.5	5	8	34	7.01	< 10	1	0.19	110	0.05	925
CL1604 0509E	201	202	< 5	< 0.2	3.34	10	330	1.0	< 2	1.41	< 0.5	37	87	69	6.35	< 10	1	0.51	80	2.55	1290
CL1604 0600E	201	202	< 5	< 0.2	1.23	28	360	0.5	< 2	0.47	< 0.5	21	26	28	6.71	< 10	1	0.25	160	0.64	955
CL1604 0709E	201	202	< 5	0.8	0.67	48	190	0.5	< 2	0.21	1.5	11	8	27	7.03	< 10	1	0.23	150	0.11	1030
CL1604 0800E	201	202	< 5	0.2	1.58	20	190	0.5	< 2	0.64	0.5	31	6	29	8.52	< 10	< 1	0.41	100	0.75	1265
CL1604 0900E	201	202	< 5	2.6	0.48	242	390	0.5	< 2	0.23	12.5	17	9	127	7.65	< 10	< 1	0.18	50	0.04	640
CL1604 1000E	201	202	10	0.8	0.56	60	420	0.5	< 2	0.54	0.5	14	5	25	4.35	< 10	1	0.12	50	0.05	1025
CL1604 1100E	201	202	< 5	0.2	0.48	36	320	0.5	< 2	0.18	2.5	12	5	22	6.81	< 10	< 1	0.11	100	0.04	990
CL1604 1200E	201	202	< 5	0.4	0.58	38	350	0.5	< 2	0.84	4.0	36	9	43	7.46	< 10	< 1	0.15	70	0.10	1280
CL1604 1304E	201	202	< 5	0.8	1.41	32	670	0.5	< 2	0.46	3.0	34	50	62	6.62	< 10	3	0.10	120	0.54	1140

CERTIFICATION: Ivan Winkler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER OR M. BAKNES CC: VIC TANAKA

Certificate Date: 31-AUG-1998
Invoice No. :I9828908
P.O. Number :PTH 98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9828908

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
CL1600 1000E	201 202	3	0.01	9	1070	12	2	< 1	14	< 0.01	< 10	< 10	15	< 10	56	1660
CL1600 1050E	201 202	4	< 0.01	5	5060	10	< 2	3	75	< 0.01	< 10	< 10	12	< 10	48	2400
CL1600 1100E	201 202	7	< 0.01	36	1610	24	4	5	39	< 0.01	< 10	< 10	28	< 10	102	1220
CL1600 1150E	201 202	5	< 0.01	17	1030	16	2	< 1	6	< 0.01	< 10	< 10	22	< 10	88	1580
CL1600 1200E	201 202	7	< 0.01	21	830	26	< 2	1	22	< 0.01	< 10	< 10	23	< 10	118	1600
CL1600 1250E	201 202	2	0.04	6	610	6	< 2	< 1	9	0.01	< 10	< 10	25	< 10	34	980
CL1600 1300E	201 202	7	< 0.01	33	840	38	< 2	4	26	< 0.01	< 10	< 10	35	< 10	248	1340
CL1600 1350E	201 202	5	0.03	20	870	16	< 2	< 1	29	< 0.01	< 10	< 10	17	< 10	120	1320
CL1600 1400E	201 202	8	< 0.01	36	1540	26	< 2	3	26	< 0.01	< 10	< 10	28	< 10	146	1600
CL1600 1500E	201 202	11	< 0.01	13	900	46	4	< 1	33	0.01	< 10	< 10	29	< 10	88	960
CL1600 1600E	201 202	20	0.01	3	750	84	< 2	1	56	< 0.01	< 10	< 10	15	< 10	50	1960
CL1600 1700E	201 202	19	0.01	6	680	74	4	< 1	27	0.01	< 10	< 10	25	< 10	34	1330
CL1600 1800E	201 202	8	< 0.01	25	1680	80	< 2	4	75	0.01	< 10	< 10	30	< 10	58	2000
CL1600 1900E	201 202	6	< 0.01	13	2610	50	< 2	7	40	0.01	< 10	< 10	65	< 10	114	2250
CL1600 2000E	201 202	8	< 0.01	76	960	34	< 2	7	57	0.11	< 10	< 10	46	< 10	74	2550
CL1600 2100E	201 202	2	0.01	38	1090	14	< 2	3	41	0.10	< 10	< 10	33	< 10	50	1100
CL1600 2200E	201 202	8	< 0.01	41	1420	52	< 2	5	41	0.03	< 10	< 10	29	< 10	114	1740
CL1600 2300E	201 202	11	< 0.01	64	1440	174	2	10	29	< 0.01	< 10	< 10	21	< 10	54	3700
CL1600 2400E	201 202	8	< 0.01	12	830	26	4	1	17	< 0.01	< 10	< 10	7	< 10	44	2000
CL1600 2500E	201 202	10	< 0.01	17	1410	34	< 2	2	27	< 0.01	< 10	< 10	12	< 10	44	2200
CL1600 2600E	201 202	4	0.01	10	1500	14	< 2	< 1	9	< 0.01	< 10	< 10	18	< 10	26	1260
CL1600 2700E	201 202	8	0.01	24	780	38	< 2	< 1	8	< 0.01	< 10	< 10	27	< 10	56	1420
CL1600 2800E	201 202	14	< 0.01	2	530	10	< 2	< 1	8	< 0.01	< 10	< 10	6	< 10	288	2400
CL1600 2900E	201 202	1	< 0.01	45	1490	12	2	4	22	< 0.01	< 10	< 10	25	< 10	32	2900
CL1600 3000E	201 202	2	< 0.01	68	2020	16	< 2	2	19	< 0.01	< 10	< 10	29	< 10	42	4750
CL1600 3100E	201 202	2	< 0.01	21	1940	8	< 2	< 1	9	< 0.01	< 10	< 10	31	< 10	48	2200
CL1600 3200E	201 202	3	< 0.01	27	1620	10	< 2	< 1	11	< 0.01	< 10	< 10	29	< 10	56	1960
CL1604 0000E	201 202	76	0.01	4	480	96	20	< 1	43	0.01	< 10	< 10	104	< 10	14	1200
CL1604 0098E	201 202	31	< 0.01	24	810	62	8	2	51	0.10	< 10	< 10	73	< 10	54	1300
CL1604 0325E	201 202	26	< 0.01	18	1220	66	8	2	62	< 0.01	< 10	< 10	34	< 10	254	1200
CL1604 0373E	201 202	49	< 0.01	19	2250	76	16	3	74	< 0.01	< 10	< 10	64	< 10	330	980
CL1604 0509E	201 202	5	< 0.01	91	1640	10	< 2	6	107	0.35	< 10	< 10	70	< 10	128	1160
CL1604 0600E	201 202	14	0.03	31	1790	92	2	4	99	0.07	< 10	< 10	25	< 10	122	3300
CL1604 0709E	201 202	29	0.01	20	1450	86	10	2	52	< 0.01	< 10	< 10	49	< 10	164	2800
CL1604 0800E	201 202	11	0.03	25	2780	122	< 2	6	138	0.13	< 10	< 10	67	< 10	134	1220
CL1604 0900E	201 202	127	< 0.01	54	3190	136	58	3	77	< 0.01	< 10	< 10	150	< 10	1010	1820
CL1604 1000E	201 202	36	< 0.01	25	1510	56	14	1	72	< 0.01	< 10	< 10	65	< 10	248	1220
CL1604 1100E	201 202	18	< 0.01	29	1150	60	4	3	42	< 0.01	< 10	< 10	15	< 10	356	1220
CL1604 1200E	201 202	12	< 0.01	36	4210	76	8	6	66	< 0.01	< 10	< 10	76	< 10	344	2250
CL1604 1304E	201 202	11	0.01	112	1100	62	< 2	5	46	0.04	< 10	< 10	29	< 10	528	2800

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: EQUITY ENGINEERING LTD.

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VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER OR M. BAKNES CC: VIC TANAKA

Certificate Date: 31-AUG-1998
Invoice No. : I9828908
P.O. Number : PTH 98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9828908

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
CL1604 1400E	201	202	< 5	0.4	1.03	18	580	0.5	< 2	0.54	0.5	29	46	48	4.93	< 10	< 1	0.13	100	0.44	885
CL1604 1500E	201	202	< 5	0.2	1.94	36	570	0.5	< 2	0.72	< 0.5	39	112	56	4.93	< 10	< 1	0.11	120	1.16	1050
CL1604 1600E	201	202	< 5	0.2	1.66	34	720	0.5	< 2	0.63	1.5	33	73	47	4.77	< 10	< 1	0.07	110	0.79	1090
CL1604 1700E	201	202	< 5	0.4	0.98	18	480	0.5	< 2	0.44	0.5	21	6	25	6.35	< 10	< 1	0.14	150	0.22	1520
CL1604 1820E	201	202	< 5	0.8	2.05	10	380	0.5	< 2	0.77	2.0	30	76	85	4.47	< 10	< 1	0.06	130	1.02	700
CL1604 1900E	201	202	< 5	0.4	0.82	38	370	0.5	< 2	0.12	1.0	9	11	29	6.08	< 10	< 1	0.09	110	0.15	550
CL1604 2000E	201	202	< 5	0.8	1.72	22	560	1.0	< 2	0.61	8.0	77	86	111	5.55	< 10	< 1	0.12	120	0.79	1230
CL1604 2100E	201	202	< 5	< 0.2	1.31	32	350	1.0	< 2	0.21	1.5	22	21	51	8.53	< 10	1	0.12	180	0.26	1700
CL1604 2200E	201	202	< 5	< 0.2	1.02	14	180	1.0	< 2	0.11	< 0.5	6	13	17	4.65	< 10	< 1	0.06	230	0.23	1140
CL1605 0000E	201	202	< 5	< 0.2	1.07	8	120	< 0.5	< 2	0.08	< 0.5	7	16	12	3.16	< 10	< 1	0.08	30	0.27	420
CL1605 0090E	201	202	< 5	1.0	>15.00	< 2	10	5.5	< 2	0.02	1.0	2	12	59	0.62	< 10	< 1	0.01	10	0.12	45
CL1605 0100E	201	202	< 5	< 0.2	2.13	16	130	0.5	< 2	0.39	< 0.5	18	34	27	3.86	< 10	< 1	0.07	40	1.55	205
CL1605 0200E	201	202	< 5	< 0.2	0.35	8	320	< 0.5	< 2	0.26	< 0.5	8	4	20	2.27	< 10	< 1	0.07	< 10	0.07	785
CL1605 0300E	201	202	< 5	< 0.2	0.30	10	90	< 0.5	< 2	0.10	< 0.5	5	4	17	2.30	< 10	< 1	0.04	< 10	0.03	325
CL1605 0400E	201	202	< 5	0.2	0.72	14	180	< 0.5	< 2	0.47	0.5	6	10	22	2.13	< 10	1	0.07	20	0.18	125
CL1605 0500E	201	202	< 5	< 0.2	0.39	38	220	< 0.5	< 2	0.24	< 0.5	7	7	19	2.25	< 10	< 1	0.09	20	0.14	335
CL1605 0600E	201	202	< 5	< 0.2	0.66	14	330	< 0.5	< 2	0.02	< 0.5	3	10	8	3.64	< 10	< 1	0.14	30	0.08	85
CL1605 0700E	201	202	< 5	< 0.2	0.68	< 2	20	< 0.5	< 2	0.06	< 0.5	1	3	5	0.79	< 10	< 1	0.02	< 10	0.05	40
CL1605 0800E	201	202	< 5	< 0.2	0.68	10	310	< 0.5	< 2	0.07	< 0.5	17	16	17	2.32	< 10	< 1	0.10	20	0.04	1815
CL1605 0900E	201	202	< 5	< 0.2	0.61	10	190	< 0.5	< 2	0.08	< 0.5	6	17	12	2.25	< 10	< 1	0.10	10	0.05	660
CL1605 1000E	201	202	< 5	0.2	0.39	38	340	< 0.5	< 2	0.03	< 0.5	1	8	8	2.77	< 10	< 1	0.26	50	0.06	65
CL1605 1100E	201	202	< 5	< 0.2	0.52	38	300	< 0.5	< 2	0.03	< 0.5	2	11	12	3.87	< 10	< 1	0.33	50	0.08	65
CL1605 1200E	201	202	< 5	< 0.2	0.48	38	140	< 0.5	< 2	0.04	< 0.5	3	15	15	6.41	< 10	< 1	0.55	50	0.13	110
CL1605 1316E	201	202	< 5	0.4	0.30	54	170	< 0.5	< 2	0.01	< 0.5	< 1	6	9	7.05	< 10	1	0.56	60	0.05	45
CL1605 1410E	201	202	< 5	0.6	0.74	28	640	< 0.5	< 2	0.03	< 0.5	< 1	5	10	2.27	< 10	< 1	0.25	80	0.05	30
CL1605 1500E	201	202	< 5	< 0.2	1.00	20	380	< 0.5	< 2	0.08	< 0.5	5	15	14	2.84	< 10	< 1	0.17	50	0.16	225
CL1605 1600E	201	202	< 5	0.2	1.13	16	260	< 0.5	< 2	0.07	< 0.5	5	26	14	4.16	< 10	< 1	0.21	40	0.17	235
CL1605 1700E	201	202	< 5	0.4	1.24	24	190	< 0.5	< 2	0.14	< 0.5	6	30	18	3.59	< 10	< 1	0.12	30	0.24	215
CL1605 1800E	201	202	< 5	0.8	1.00	14	100	< 0.5	< 2	0.09	< 0.5	4	15	15	1.77	< 10	< 1	0.07	10	0.18	135
CL1605 1900E	201	202	< 5	0.8	0.40	50	190	< 0.5	< 2	0.03	0.5	7	8	24	2.29	< 10	< 1	0.08	10	0.03	225
CL1605 2000E	201	202	< 5	< 0.2	0.66	10	100	< 0.5	< 2	0.02	< 0.5	6	12	28	2.34	< 10	< 1	0.08	< 10	0.04	60
CL1605 2100E	201	202	< 5	0.2	0.43	10	110	< 0.5	< 2	0.02	0.5	6	6	13	3.12	< 10	< 1	0.05	10	0.02	140
CL1605 2200E	201	202	< 5	0.2	0.36	22	140	< 0.5	< 2	0.02	< 0.5	4	4	10	1.63	< 10	< 1	0.07	20	< 0.01	100
CL1605 2300E	201	202	< 5	< 0.2	0.53	16	80	< 0.5	< 2	0.01	< 0.5	5	11	27	2.76	< 10	< 1	0.05	< 10	0.06	60
CL1605 2400E	201	202	< 5	1.0	0.96	20	100	0.5	< 2	0.06	1.5	13	13	46	5.39	< 10	1	0.05	< 10	0.27	325
CL1605 2500E	201	202	< 5	< 0.2	0.53	8	80	< 0.5	< 2	0.03	< 0.5	4	9	27	2.34	< 10	1	0.07	< 10	0.07	70
CL1606 0000S	201	202	< 5	< 0.2	1.10	2	290	0.5	< 2	0.10	< 0.5	4	9	8	2.78	< 10	< 1	0.06	60	0.10	255
CL1606 0050S	201	202	< 5	< 0.2	1.21	10	570	0.5	< 2	0.54	2.5	10	17	27	3.46	< 10	< 1	0.13	50	0.21	695
CL1606 0100S	201	202	< 5	< 0.2	1.03	16	390	1.0	< 2	0.14	< 0.5	1	7	5	3.08	< 10	< 1	0.06	90	0.09	240
CL1606 0150S	201	202	< 5	< 0.2	1.15	10	310	1.5	< 2	0.42	0.5	5	16	11	3.92	< 10	1	0.09	110	0.18	1250

CERTIFICATION: Hawk Fuller

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CERTIFICATE OF ANALYSIS A9828908

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
CL1604 1400E	201	202	10	< 0.01	88	930	96	2	4	53	0.02	< 10	< 10	24	< 10	180	2900
CL1604 1500E	201	202	7	< 0.01	126	1270	42	< 2	6	41	0.03	< 10	< 10	41	< 10	146	3700
CL1604 1600E	201	202	8	0.01	102	1350	46	2	5	43	< 0.01	< 10	< 10	27	< 10	272	3800
CL1604 1700E	201	202	14	0.05	17	1620	180	2	3	85	< 0.01	< 10	< 10	11	< 10	140	3800
CL1604 1820E	201	202	7	< 0.01	124	1400	38	2	9	40	0.06	< 10	< 10	42	< 10	466	3100
CL1604 1900E	201	202	20	0.02	28	1080	92	2	1	39	< 0.01	< 10	< 10	20	< 10	206	2600
CL1604 2000E	201	202	14	0.01	203	1390	44	4	6	46	0.06	< 10	< 10	46	< 10	830	3450
CL1604 2100E	201	202	16	0.02	51	1380	90	2	5	51	< 0.01	< 10	< 10	15	< 10	264	2800
CL1604 2200E	201	202	20	0.01	19	580	46	< 2	1	14	< 0.01	< 10	< 10	8	< 10	74	2400
CL1605 0000E	201	202	6	0.01	13	880	30	< 2	1	21	0.01	< 10	< 10	31	< 10	46	1160
CL1605 0090E	201	202	9	< 0.01	15	380	< 2	6	1	5	< 0.01	< 10	40	4	10	72	50
CL1605 0100E	201	202	2	< 0.01	41	650	16	< 2	4	27	< 0.01	< 10	< 10	19	< 10	98	1220
CL1605 0200E	201	202	14	0.01	50	960	28	< 2	3	32	< 0.01	< 10	< 10	24	< 10	90	1200
CL1605 0300E	201	202	4	< 0.01	23	670	24	2	2	16	< 0.01	< 10	< 10	17	< 10	72	1120
CL1605 0400E	201	202	5	0.01	29	1160	24	< 2	3	60	< 0.01	< 10	< 10	21	< 10	166	1680
CL1605 0500E	201	202	5	< 0.01	25	1060	26	< 2	1	55	< 0.01	< 10	< 10	20	< 10	160	1420
CL1605 0600E	201	202	10	0.05	7	700	158	< 2	< 1	60	< 0.01	< 10	< 10	13	< 10	22	2800
CL1605 0700E	201	202	< 1	0.05	1	400	< 2	< 2	< 1	5	0.03	< 10	< 10	19	< 10	10	800
CL1605 0800E	201	202	10	< 0.01	11	990	36	< 2	< 1	32	< 0.01	< 10	< 10	48	< 10	80	1520
CL1605 0900E	201	202	6	< 0.01	10	1240	22	< 2	< 1	23	< 0.01	< 10	< 10	41	< 10	66	1340
CL1605 1000E	201	202	22	< 0.01	6	660	52	4	< 1	39	0.01	< 10	< 10	48	< 10	34	2400
CL1605 1100E	201	202	19	< 0.01	9	790	40	6	< 1	72	0.03	< 10	< 10	48	< 10	52	1560
CL1605 1200E	201	202	19	0.01	13	1000	34	6	1	64	0.03	< 10	< 10	35	< 10	54	1400
CL1605 1316E	201	202	19	0.01	4	630	64	8	< 1	68	0.01	< 10	< 10	17	< 10	24	2400
CL1605 1410E	201	202	11	0.06	1	810	42	< 2	< 1	70	< 0.01	< 10	< 10	13	< 10	10	2200
CL1605 1500E	201	202	7	0.03	10	910	42	< 2	< 1	40	0.02	< 10	< 10	29	< 10	38	2700
CL1605 1600E	201	202	8	0.01	12	780	30	< 2	< 1	44	0.04	< 10	< 10	40	< 10	46	1720
CL1605 1700E	201	202	5	< 0.01	18	810	22	4	< 1	32	0.02	< 10	< 10	42	< 10	78	1400
CL1605 1800E	201	202	3	0.02	12	1010	12	2	< 1	19	< 0.01	< 10	< 10	28	< 10	60	1160
CL1605 1900E	201	202	12	< 0.01	24	1110	28	2	< 1	27	< 0.01	< 10	< 10	37	< 10	176	1860
CL1605 2000E	201	202	4	< 0.01	25	1520	18	< 2	< 1	27	< 0.01	< 10	< 10	42	< 10	206	1760
CL1605 2100E	201	202	5	0.01	24	1160	40	< 2	< 1	22	< 0.01	< 10	< 10	33	< 10	178	2900
CL1605 2200E	201	202	7	< 0.01	15	1100	48	< 2	< 1	58	< 0.01	< 10	< 10	11	< 10	66	2400
CL1605 2300E	201	202	4	< 0.01	21	1070	20	< 2	< 1	55	< 0.01	< 10	< 10	31	< 10	162	1960
CL1605 2400E	201	202	5	< 0.01	81	1200	26	< 2	3	36	< 0.01	< 10	< 10	44	< 10	780	1700
CL1605 2500E	201	202	3	< 0.01	20	1010	18	2	< 1	18	< 0.01	< 10	< 10	31	< 10	156	1620
CL1606 0000S	201	202	6	0.01	9	760	24	2	< 1	14	< 0.01	< 10	< 10	15	< 10	100	1830
CL1606 0050S	201	202	7	0.01	19	5070	30	< 2	1	34	< 0.01	< 10	< 10	20	< 10	184	2000
CL1606 0100S	201	202	6	< 0.01	6	580	14	< 2	1	14	< 0.01	< 10	< 10	8	< 10	74	1800
CL1606 0150S	201	202	5	< 0.01	13	910	18	2	3	23	< 0.01	< 10	< 10	14	< 10	342	1680

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER OR M. BAKNES CC: VIC TANAKA

Certificate Date: 31-AUG-1998
Invoice No. : I9828908
P.O. Number : PTH 98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9828908

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
CL1606 0200S	201	202	< 5	< 0.2	1.46	22	120	1.0	< 2	0.08	< 0.5	4	9	11	4.51	< 10	< 1	0.06	230	0.33	1465
CL1606 0250S	201	202	< 5	< 0.2	0.66	< 2	110	0.5	< 2	0.17	< 0.5	1	2	3	1.14	< 10	1	0.04	30	0.05	415
CL1606 0300S	201	202	< 5	< 0.2	0.49	48	310	1.0	< 2	0.21	< 0.5	10	6	24	3.87	< 10	< 1	0.06	80	0.04	400
CL1606 0350S	201	202	< 5	0.4	0.45	34	360	1.0	< 2	0.60	< 0.5	15	7	35	3.27	< 10	< 1	0.07	70	0.05	370
CL1606 0400S	201	202	< 5	0.8	0.39	34	520	1.0	< 2	0.24	2.0	24	6	52	5.00	< 10	< 1	0.12	60	0.05	805
CL1606 0450S	201	202	< 5	1.4	0.21	8	180	1.5	< 2	0.24	< 0.5	8	1	33	6.48	< 10	1	0.11	100	0.04	915
CL1606 0500S	201	202	< 5	< 0.2	0.74	26	320	0.5	< 2	0.31	< 0.5	19	10	33	4.64	< 10	1	0.10	50	0.09	835
CL1606 0550S	201	202	< 5	< 0.2	0.88	< 2	320	0.5	< 2	0.23	< 0.5	5	6	12	1.98	< 10	< 1	0.10	30	0.07	320
CL1606 0600S	201	202	< 5	0.2	0.68	12	230	0.5	< 2	0.10	1.5	6	5	14	2.69	< 10	< 1	0.12	50	0.05	465
CL1606 0650S	201	202	< 5	0.2	0.64	24	260	0.5	< 2	0.15	0.5	11	5	21	3.62	< 10	< 1	0.11	70	0.05	585
CL1606 0700S	201	202	< 5	2.0	0.52	114	270	1.5	< 2	0.37	1.5	55	5	89	9.97	< 10	1	0.17	50	0.05	1080
CL1606 0750S	201	202	< 5	0.8	0.40	102	130	0.5	< 2	0.07	0.5	21	7	44	6.67	< 10	< 1	0.10	50	0.04	500
CL1606 0800S	201	202	< 5	1.0	0.41	34	230	0.5	< 2	0.40	< 0.5	23	5	43	3.67	< 10	< 1	0.12	60	0.05	650
CL1606 0850S	201	202	< 5	0.8	0.28	26	180	0.5	< 2	0.15	1.0	22	5	40	4.80	< 10	< 1	0.11	70	0.04	805
CL1606 0900S	201	202	< 5	< 0.2	0.33	6	170	1.5	< 2	0.04	< 0.5	3	2	14	3.69	< 10	1	0.11	350	0.07	1360
CL1606 0950S	201	202	< 5	< 0.2	0.52	18	210	0.5	< 2	0.07	< 0.5	7	3	19	4.83	< 10	1	0.09	140	0.05	1760
CL1606 1000S	201	202	< 5	< 0.2	0.76	30	100	0.5	< 2	0.03	< 0.5	3	8	11	5.94	< 10	< 1	0.07	90	0.12	1120
CL1606 1179S	201	202	< 5	< 0.2	0.82	18	250	0.5	< 2	0.22	< 0.5	3	3	9	4.89	< 10	< 1	0.12	200	0.09	1010
CL1606 1200S	201	202	< 5	< 0.2	0.65	22	390	0.5	< 2	0.16	< 0.5	3	4	10	6.77	< 10	< 1	0.19	360	0.12	1960
CL1606 1250S	201	202	< 5	0.2	0.74	66	210	0.5	< 2	0.05	< 0.5	4	< 1	19	9.45	< 10	1	0.46	130	0.04	845
CL1606 1300S	201	202	15	< 0.2	0.60	52	100	0.5	< 2	0.10	< 0.5	4	2	13	6.71	< 10	< 1	0.37	180	0.06	1355
CL1606 1350S	201	202	< 5	< 0.2	0.71	36	470	0.5	< 2	0.07	< 0.5	1	2	6	6.12	< 10	< 1	0.22	160	0.05	820
CL1606 1400S	201	202	< 5	< 0.2	0.37	22	250	< 0.5	< 2	0.02	< 0.5	1	1	7	4.62	< 10	< 1	0.14	110	0.03	635
CL1606 1450S	201	202	< 5	< 0.2	0.35	12	570	0.5	< 2	0.14	< 0.5	1	< 1	9	5.93	< 10	1	0.12	160	0.05	1090
CL1606 1500S	201	202	< 5	< 0.2	0.24	10	220	0.5	< 2	0.29	< 0.5	3	< 1	13	5.45	< 10	< 1	0.10	140	0.12	1635
CL1606 1550S	201	202	< 5	< 0.2	0.63	30	140	0.5	< 2	0.02	< 0.5	< 1	4	9	6.79	< 10	< 1	0.13	210	0.07	1225
CL1606 1600S	201	202	< 5	0.2	0.70	74	260	< 0.5	< 2	0.02	< 0.5	1	1	10	6.77	< 10	< 1	0.37	220	0.05	575
CL1606 1626S	201	202	< 5	< 0.2	0.42	100	200	< 0.5	< 2	0.01	< 0.5	< 1	2	8	7.72	< 10	< 1	0.17	90	0.03	340
CL1606 1650S	201	202	< 5	< 0.2	0.72	28	230	1.0	< 2	0.16	< 0.5	4	8	10	7.44	< 10	2	0.07	200	0.15	2740
CL1606 1700S	201	202	< 5	< 0.2	0.63	34	230	1.5	< 2	0.14	< 0.5	1	6	9	7.29	< 10	< 1	0.05	240	0.09	2110
CL1606 1750S	201	202	< 5	< 0.2	0.50	16	80	0.5	< 2	0.06	< 0.5	1	3	7	4.16	< 10	< 1	0.04	170	0.06	1600
CL1606 1800S	201	202	< 5	< 0.2	0.34	18	80	0.5	< 2	0.08	< 0.5	1	3	5	5.99	< 10	< 1	0.05	80	0.05	2330
CL1606 1850S	201	202	< 5	< 0.2	0.46	22	390	1.0	< 2	0.39	< 0.5	1	3	8	6.22	< 10	< 1	0.05	110	0.10	2160
L20000E 5000N	201	202	< 5	< 0.2	1.58	12	90	0.5	< 2	0.39	0.5	16	84	28	4.57	< 10	< 1	0.05	30	0.68	865
L20000E 5050N	201	202	< 5	< 0.2	1.66	32	430	1.5	< 2	0.39	0.5	12	29	28	5.86	< 10	1	0.15	90	0.45	795
L20000E 5100N	201	202	< 5	< 0.2	0.71	26	110	1.0	< 2	0.05	< 0.5	4	7	22	7.16	< 10	< 1	0.07	220	0.11	720
L20000E 5150N	201	202	< 5	< 0.2	0.62	22	100	< 0.5	< 2	0.05	0.5	6	15	13	2.94	< 10	< 1	0.08	30	0.10	475
L20000E 5200N	201	202	< 5	0.6	1.15	58	170	1.5	< 2	0.23	2.5	12	25	46	6.29	< 10	< 1	0.08	90	0.25	650
L20000E 5250N	201	202	< 5	0.6	1.46	40	380	2.0	< 2	0.80	3.5	12	39	33	6.14	< 10	1	0.14	150	0.49	1105
L20000E 5300N	201	202	< 5	0.2	0.87	22	410	0.5	< 2	0.13	1.5	8	17	30	3.90	< 10	< 1	0.11	60	0.15	730

CERTIFICATION: Hawthickler

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To: EQUITY ENGINEERING LTD.

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VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER OR M. BAKNES CC: VIC TANAKA

Certificate Date: 31-AUG-1998
Invoice No. :19828908
P.O. Number :PTH 98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9828908

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
CL1606 0200S	201	202	9	< 0.01	10	680	22	< 2	< 1	12	< 0.01	< 10	< 10	10	< 10	92	1700
CL1606 0250S	201	202	3	0.06	1	450	12	2	< 1	14	0.01	< 10	< 10	12	< 10	32	980
CL1606 0300S	201	202	10	< 0.01	35	750	50	4	2	21	< 0.01	< 10	< 10	10	< 10	138	2400
CL1606 0350S	201	202	5	< 0.01	46	1270	44	2	5	23	< 0.01	< 10	< 10	12	< 10	112	2950
CL1606 0400S	201	202	8	< 0.01	67	920	90	< 2	5	13	< 0.01	< 10	< 10	12	< 10	334	2850
CL1606 0450S	201	202	5	< 0.01	24	1360	32	< 2	4	16	< 0.01	< 10	< 10	7	< 10	12	1450
CL1606 0500S	201	202	6	< 0.01	34	1410	68	2	< 1	24	< 0.01	< 10	< 10	29	< 10	94	1920
CL1606 0550S	201	202	3	0.04	13	1100	16	< 2	< 1	12	< 0.01	< 10	< 10	14	< 10	96	1700
CL1606 0600S	201	202	5	0.02	15	1440	26	< 2	< 1	12	< 0.01	< 10	< 10	15	< 10	148	1700
CL1606 0650S	201	202	7	< 0.01	30	1100	72	2	< 1	31	< 0.01	< 10	< 10	13	< 10	162	1660
CL1606 0700S	201	202	21	< 0.01	119	2120	624	6	8	47	< 0.01	< 10	< 10	32	< 10	336	860
CL1606 0750S	201	202	22	< 0.01	88	1200	294	8	1	25	< 0.01	< 10	< 10	25	< 10	204	870
CL1606 0800S	201	202	10	< 0.01	45	1200	64	2	3	61	< 0.01	< 10	< 10	31	< 10	70	760
CL1606 0850S	201	202	11	< 0.01	62	1040	138	2	1	29	< 0.01	< 10	< 10	14	< 10	168	1900
CL1606 0900S	201	202	8	< 0.01	5	490	12	2	< 1	15	< 0.01	< 10	< 10	4	< 10	14	1260
CL1606 0950S	201	202	7	0.01	9	950	40	< 2	< 1	12	< 0.01	< 10	< 10	8	< 10	32	2100
CL1606 1000S	201	202	10	< 0.01	10	620	36	< 2	< 1	10	< 0.01	< 10	< 10	10	< 10	40	2000
CL1606 1179S	201	202	6	0.04	4	710	44	< 2	1	22	0.01	< 10	< 10	12	< 10	30	1390
CL1606 1200S	201	202	9	< 0.01	7	800	54	< 2	2	35	< 0.01	< 10	< 10	7	< 10	40	2600
CL1606 1250S	201	202	25	< 0.01	4	1040	138	4	1	39	< 0.01	< 10	< 10	5	< 10	18	1200
CL1606 1300S	201	202	12	0.01	7	930	138	4	1	39	< 0.01	< 10	< 10	6	< 10	24	3300
CL1606 1350S	201	202	7	< 0.01	6	620	84	< 2	3	26	< 0.01	< 10	< 10	4	< 10	24	4900
CL1606 1400S	201	202	11	< 0.01	2	720	30	< 2	< 1	12	< 0.01	< 10	< 10	3	< 10	20	2000
CL1606 1450S	201	202	11	< 0.01	2	460	34	< 2	1	14	< 0.01	< 10	< 10	1	< 10	24	2500
CL1606 1500S	201	202	26	< 0.01	5	600	46	< 2	< 1	19	< 0.01	< 10	< 10	1	< 10	16	1200
CL1606 1550S	201	202	14	< 0.01	5	920	38	< 2	1	24	< 0.01	< 10	< 10	6	< 10	40	1280
CL1606 1600S	201	202	27	0.04	3	880	106	< 2	1	29	< 0.01	< 10	< 10	4	< 10	18	1260
CL1606 1626S	201	202	22	< 0.01	3	710	130	4	< 1	16	0.01	< 10	< 10	8	< 10	20	1160
CL1606 1650S	201	202	10	< 0.01	8	830	26	< 2	2	15	0.01	< 10	< 10	13	< 10	58	1000
CL1606 1700S	201	202	13	< 0.01	7	620	24	2	1	13	0.01	< 10	< 10	11	< 10	50	960
CL1606 1750S	201	202	7	0.01	4	430	8	< 2	< 1	9	0.01	< 10	< 10	11	< 10	32	620
CL1606 1800S	201	202	22	< 0.01	5	560	16	4	< 1	6	< 0.01	< 10	< 10	7	< 10	36	400
CL1606 1850S	201	202	14	< 0.01	6	630	22	< 2	1	14	< 0.01	< 10	< 10	8	< 10	50	920
L20000E 5000N	201	202	17	< 0.01	31	1250	28	< 2	3	33	0.20	< 10	< 10	84	< 10	150	780
L20000E 5050N	201	202	12	0.04	35	780	112	< 2	1	46	0.01	< 10	< 10	20	< 10	416	2150
L20000E 5100N	201	202	32	< 0.01	15	810	50	< 2	1	19	< 0.01	< 10	< 10	17	< 10	202	1230
L20000E 5150N	201	202	13	0.01	14	460	24	2	< 1	12	0.03	< 10	< 10	34	< 10	100	1560
L20000E 5200N	201	202	29	< 0.01	63	820	78	10	2	24	0.01	< 10	< 10	63	< 10	534	1340
L20000E 5250N	201	202	20	< 0.01	53	1030	76	2	3	51	0.08	< 10	< 10	51	< 10	592	2000
L20000E 5300N	201	202	11	< 0.01	25	1400	32	< 2	< 1	22	< 0.01	< 10	< 10	37	< 10	306	1930

CERTIFICATION: Hawthichler

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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L20000E 5350N	201 202	< 5	< 0.2	1.13	16	110	< 0.5	< 2	0.05	< 0.5	6	25	17	4.43	< 10	< 1	0.08	40	0.22	460
L20000E 5400N	201 202	< 5	< 0.2	1.17	22	300	0.5	< 2	0.12	1.5	9	30	20	4.49	< 10	< 1	0.11	90	0.24	1020
L20000E 5450N	201 202	< 5	< 0.2	1.10	24	690	1.0	< 2	0.26	0.5	8	25	23	5.33	< 10	1	0.09	150	0.30	625
L20000E 5500N	201 202	< 5	< 0.2	1.09	10	290	0.5	< 2	0.10	0.5	7	22	16	4.36	< 10	2	0.08	70	0.23	755
LJK01 0100SE	201 202	< 5	< 0.2	0.76	8	420	< 0.5	< 2	1.61	2.5	6	8	17	1.84	< 10	< 1	0.04	30	0.12	370
LJK01 0200SE	201 202	< 5	< 0.2	0.85	6	400	0.5	< 2	0.75	1.0	10	16	30	3.45	< 10	< 1	0.06	60	0.23	555
LJK01 0300SE	201 202	< 5	< 0.2	1.23	4	830	0.5	< 2	1.39	< 0.5	10	34	19	3.22	< 10	< 1	0.07	60	0.31	1025
LJK01 0400SE	201 202	< 5	< 0.2	1.33	8	310	0.5	< 2	0.65	< 0.5	14	39	25	4.19	< 10	< 1	0.14	130	0.48	430
LJK01 0500SE	201 202	< 5	< 0.2	1.33	16	360	0.5	< 2	0.75	< 0.5	23	37	54	5.71	< 10	< 1	0.07	70	0.47	710
LJK01 0600SE	201 202	< 5	< 0.2	0.98	< 2	500	< 0.5	< 2	1.51	0.5	12	16	30	2.28	< 10	< 1	0.06	40	0.22	485
LJK01 0700SE	201 202	< 5	< 0.2	1.27	20	350	0.5	< 2	0.54	1.0	18	31	46	4.67	< 10	< 1	0.08	90	0.42	410
LJK01 0800SE	201 202	< 5	< 0.2	1.19	12	100	< 0.5	< 2	0.12	< 0.5	7	20	13	3.48	< 10	1	0.06	60	0.28	440
LJK01 0900SE	201 202	< 5	< 0.2	0.85	40	360	0.5	< 2	0.59	0.5	15	17	29	4.45	< 10	1	0.10	110	0.27	1755
LJK01 1000SE	201 202	< 5	< 0.2	1.22	6	480	0.5	< 2	0.93	< 0.5	6	15	19	2.53	< 10	1	0.06	60	0.26	365
LJK01 1100SE	201 202	< 5	< 0.2	1.22	26	400	0.5	< 2	0.39	< 0.5	13	26	24	4.23	< 10	1	0.11	90	0.28	785
LJK01 1200SE	201 202	< 5	0.2	0.73	10	410	< 0.5	< 2	0.40	< 0.5	4	19	11	1.25	< 10	< 1	0.09	40	0.17	170
LJK01 1300SE	201 202	< 5	0.2	1.03	10	540	0.5	< 2	0.53	< 0.5	7	29	16	1.97	< 10	< 1	0.13	60	0.27	265
LJK01 1400SE	201 202	< 5	< 0.2	1.22	10	520	0.5	< 2	1.70	0.5	19	64	36	2.69	< 10	< 1	0.07	40	0.54	920
LJK01 1500SE	201 202	< 5	< 0.2	1.79	8	400	0.5	< 2	0.66	< 0.5	21	88	29	3.58	< 10	1	0.08	40	0.86	845
LJK01 1600SE	201 202	< 5	< 0.2	2.75	16	430	0.5	< 2	0.83	< 0.5	40	182	76	5.42	< 10	< 1	0.12	70	1.88	2260
LJK01 1700SE	201 202	< 5	< 0.2	2.33	12	510	1.0	< 2	0.54	< 0.5	37	100	69	4.04	< 10	< 1	0.10	50	0.84	1135
LJK01 1800SE	201 202	< 5	< 0.2	2.43	< 2	460	0.5	< 2	0.59	< 0.5	35	119	54	4.14	< 10	< 1	0.07	50	1.21	1155
LJK01 1900SE	201 202	< 5	< 0.2	2.13	2	980	0.5	< 2	0.67	< 0.5	27	102	48	3.92	< 10	< 1	0.09	50	0.93	980
LJK01 2000SE	201 202	< 5	< 0.2	2.74	< 2	430	0.5	< 2	0.60	< 0.5	44	138	91	4.60	< 10	1	0.09	40	1.41	1660
LJK01 2100SE	201 202	< 5	< 0.2	1.25	4	100	< 0.5	< 2	0.09	< 0.5	6	37	13	1.63	< 10	< 1	0.04	10	0.32	125
LJK01 2200SE	201 202	< 5	< 0.2	4.81	12	780	1.0	< 2	0.71	1.5	104	295	172	7.02	10	2	0.04	30	3.92	3800
LJK01 2300SE	201 202	< 5	< 0.2	2.28	20	1050	0.5	< 2	1.37	0.5	27	145	43	3.68	< 10	1	0.07	30	1.44	695
LJK01 2400SE	201 202	< 5	< 0.2	1.43	12	260	< 0.5	< 2	0.36	< 0.5	17	42	17	2.63	< 10	< 1	0.10	20	0.36	1040
LJK01 2500SE	201 202	< 5	< 0.2	1.55	6	310	0.5	< 2	0.36	< 0.5	18	44	17	2.82	< 10	1	0.11	20	0.36	1155
LJK01 2600SE	201 202	< 5	< 0.2	1.09	8	240	< 0.5	< 2	0.23	< 0.5	9	44	14	1.79	< 10	1	0.08	10	0.40	215
GSJW 98-1	201 202	< 5	2.4	0.81	10	140	0.5	< 2	0.40	1.5	18	18	86	3.50	< 10	< 1	0.09	20	0.43	465
GSJW 98-2	201 202	< 5	0.8	0.24	20	180	< 0.5	< 2	0.14	< 0.5	7	6	40	2.36	< 10	< 1	0.12	< 10	0.05	55
GSMB 98-1	201 202	< 5	0.2	0.46	22	170	< 0.5	< 2	0.01	< 0.5	< 1	3	9	7.76	< 10	1	0.22	70	0.05	205
JK 98-1	201 202	< 5	< 0.2	1.94	32	440	3.5	< 2	0.41	10.0	583	26	441	>15.00	< 10	3	0.06	50	0.13	3080
JP 98-1	201 202	< 5	< 0.2	1.18	10	430	0.5	< 2	0.35	0.5	17	31	36	3.08	< 10	< 1	0.13	40	0.51	825
JP 98-2	201 202	< 5	< 0.2	2.51	< 2	190	0.5	< 2	0.74	< 0.5	22	112	58	4.56	< 10	< 1	0.08	30	2.10	550
JP 98-3	201 202	< 5	0.6	0.45	12	160	< 0.5	< 2	3.91	5.0	13	8	36	3.71	< 10	< 1	0.08	10	2.27	755
JP 98-4	201 202	< 5	0.2	0.50	32	440	< 0.5	< 2	0.16	< 0.5	13	15	31	3.52	< 10	< 1	0.08	20	0.18	205
JP 98-5	201 202	< 5	< 0.2	1.25	24	610	1.5	< 2	0.68	18.5	49	30	76	4.77	< 10	< 1	0.07	60	0.61	965
JP 98-6	201 202	< 5	< 0.2	0.24	12	160	< 0.5	< 2	10.90	< 0.5	8	4	17	2.47	< 10	< 1	0.05	< 10	6.34	515

CERTIFICATION: Hans Krueger

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER OR M. BAKNES CC: VIC TANAKA

Page Number :5-B
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Certificate Date: 31-AUG-1998
Invoice No. :I9828908
P.O. Number :PTH 98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9828908

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
L20000E 5350N	201	202	7	< 0.01	23	670	26	< 2	< 1	14	0.01	< 10	< 10	37	< 10	158	1520
L20000E 5400N	201	202	12	< 0.01	24	900	38	< 2	< 1	20	0.02	< 10	< 10	37	< 10	246	1940
L20000E 5450N	201	202	14	< 0.01	27	680	46	< 2	2	33	0.04	< 10	< 10	26	< 10	320	2600
L20000E 5500N	201	202	10	< 0.01	21	770	28	< 2	< 1	14	0.01	< 10	< 10	29	< 10	196	1660
LJK01 0100SE	201	202	3	0.03	17	680	14	< 2	< 1	53	0.01	< 10	< 10	12	< 10	162	1340
LJK01 0200SE	201	202	6	0.01	27	820	22	< 2	3	41	0.01	< 10	< 10	17	< 10	168	2000
LJK01 0300SE	201	202	4	< 0.01	24	1250	14	< 2	3	56	0.02	< 10	< 10	27	< 10	92	2000
LJK01 0400SE	201	202	5	< 0.01	38	930	28	< 2	4	31	0.03	< 10	< 10	26	< 10	160	2100
LJK01 0500SE	201	202	7	< 0.01	47	1030	182	< 2	8	38	0.04	< 10	< 10	32	< 10	146	1700
LJK01 0600SE	201	202	3	0.03	23	830	18	< 2	3	62	0.03	< 10	< 10	18	< 10	102	1320
LJK01 0700SE	201	202	9	< 0.01	45	1010	34	< 2	8	33	0.02	< 10	< 10	28	< 10	326	1960
LJK01 0800SE	201	202	5	0.01	17	640	22	< 2	1	13	0.01	< 10	< 10	24	< 10	80	1180
LJK01 0900SE	201	202	7	< 0.01	29	910	50	< 2	4	34	0.01	< 10	< 10	16	< 10	184	1740
LJK01 1000SE	201	202	4	0.03	16	700	14	< 2	3	50	0.01	< 10	< 10	16	< 10	94	1800
LJK01 1100SE	201	202	7	< 0.01	27	990	28	< 2	4	25	0.01	< 10	< 10	21	< 10	116	1760
LJK01 1200SE	201	202	1	0.04	15	520	8	< 2	< 1	20	0.01	< 10	< 10	15	< 10	48	1300
LJK01 1300SE	201	202	3	0.03	22	630	12	< 2	1	28	0.01	< 10	< 10	19	< 10	74	1520
LJK01 1400SE	201	202	3	0.01	59	1170	22	< 2	4	64	0.02	< 10	< 10	27	< 10	126	2100
LJK01 1500SE	201	202	1	0.01	66	790	14	< 2	5	25	0.05	< 10	< 10	42	< 10	86	1560
LJK01 1600SE	201	202	1	< 0.01	114	1530	12	4	16	33	0.11	< 10	< 10	52	< 10	116	1600
LJK01 1700SE	201	202	3	< 0.01	97	1130	18	< 2	7	31	0.14	< 10	< 10	47	< 10	116	2000
LJK01 1800SE	201	202	2	< 0.01	103	1030	48	< 2	6	43	0.15	< 10	< 10	57	< 10	112	1880
LJK01 1900SE	201	202	3	< 0.01	89	1080	20	2	8	36	0.11	< 10	< 10	51	< 10	104	2200
LJK01 2000SE	201	202	2	< 0.01	133	1240	30	< 2	9	32	0.15	< 10	< 10	61	< 10	132	1780
LJK01 2100SE	201	202	1	0.03	19	500	10	< 2	< 1	10	0.02	< 10	< 10	31	< 10	38	1880
LJK01 2200SE	201	202	3	< 0.01	257	1010	34	< 2	10	53	0.31	< 10	< 10	115	< 10	414	1560
LJK01 2300SE	201	202	3	0.01	102	1110	12	< 2	7	57	0.08	< 10	< 10	55	< 10	210	2400
LJK01 2400SE	201	202	1	0.02	35	1020	10	< 2	1	17	0.02	< 10	< 10	31	< 10	68	980
LJK01 2500SE	201	202	1	0.02	35	1050	10	< 2	1	17	0.02	< 10	< 10	33	< 10	66	980
LJK01 2600SE	201	202	< 1	0.03	27	590	8	< 2	1	16	0.04	< 10	< 10	30	< 10	44	1060
GSJW 98-1	201	202	11	< 0.01	59	930	20	2	5	20	< 0.01	< 10	< 10	17	< 10	224	1240
GSJW 98-2	201	202	7	< 0.01	42	710	34	2	3	183	< 0.01	< 10	< 10	25	< 10	74	2900
GSMB 98-1	201	202	27	< 0.01	3	830	48	2	1	30	< 0.01	< 10	< 10	11	< 10	28	1440
JK 98-1	201	202	12	< 0.01	492	1520	16	4	8	129	< 0.01	< 10	10	35	< 10	2040	2700
JP 98-1	201	202	10	< 0.01	76	650	20	< 2	3	25	0.03	< 10	< 10	29	< 10	252	1340
JP 98-2	201	202	3	< 0.01	77	850	14	2	6	32	0.12	< 10	< 10	48	< 10	122	780
JP 98-3	201	202	18	< 0.01	58	610	64	< 2	3	80	< 0.01	< 10	< 10	38	< 10	510	1220
JP 98-4	201	202	10	0.01	31	1240	34	2	2	53	< 0.01	< 10	< 10	35	< 10	184	4700
JP 98-5	201	202	6	< 0.01	150	990	22	< 2	3	70	0.03	< 10	< 10	35	< 10	1545	2900
JP 98-6	201	202	3	< 0.01	26	390	36	6	1	103	< 0.01	< 10	< 10	11	< 10	260	1540

CERTIFICATION: Hawthorne

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER OR M. BAKNES CC: VIC TANAKA

Page Number :6-A
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Certificate Date: 31-AUG-1998
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P.O. Number : PTH 98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9828908

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
JW 98-10	201 202	< 5	< 0.2	2.40	16	260	0.5	< 2	2.06	17.0	17	28	25	3.76	< 10	1	0.06	150	2.04	3390
JW 98-11	201 202	< 5	1.0	0.89	12	360	0.5	< 2	2.01	2.5	16	40	57	2.99	< 10	< 1	0.12	20	1.11	415
JW 98-12	201 202	< 5	1.0	0.90	2	390	0.5	< 2	2.31	2.0	16	43	53	3.01	< 10	< 1	0.13	20	1.18	390
MB 98-1	201 202	< 5	< 0.2	0.43	28	1960	0.5	< 2	1.02	< 0.5	1	16	10	>15.00	< 10	2	0.03	60	0.15	>10000
MB 98-2	201 202	< 5	< 0.2	1.19	18	390	0.5	< 2	0.74	2.0	21	37	28	4.60	< 10	1	0.08	80	0.64	1380
MB 98-3	201 202	< 5	< 0.2	1.04	10	560	0.5	< 2	0.72	1.0	20	34	29	4.64	< 10	< 1	0.10	100	0.54	1430
MB 98-4	201 202	< 5	< 0.2	0.71	10	280	0.5	< 2	0.35	3.5	11	13	34	3.33	< 10	< 1	0.18	50	0.28	805
MB 98-5	201 202	< 5	0.6	0.64	20	320	< 0.5	< 2	0.46	< 0.5	12	16	57	3.36	< 10	< 1	0.14	40	0.15	495
MB 98-6	201 202	10	0.6	0.69	10	340	< 0.5	< 2	0.48	< 0.5	11	19	44	2.92	< 10	< 1	0.13	40	0.17	385
MB 98-7	201 202	< 5	0.2	0.87	16	380	< 0.5	< 2	0.67	1.0	12	32	35	3.03	< 10	< 1	0.13	40	0.34	530
MB 98-8	201 202	15	0.2	0.90	18	1120	< 0.5	< 2	0.64	0.5	14	39	33	3.34	< 10	< 1	0.13	50	0.41	650
MT 98-1	201 202	< 5	< 0.2	0.31	34	110	1.0	< 2	0.38	124.0	23	< 1	11	>15.00	< 10	4	0.09	30	0.02	985
MT 98-2	201 202	< 5	< 0.2	0.12	56	140	< 0.5	< 2	7.18	< 0.5	6	7	13	2.43	< 10	< 1	0.04	< 10	3.31	745
MT 98-3	201 202	< 5	< 0.2	0.09	8	60	< 0.5	< 2	12.90	< 0.5	2	2	5	1.20	< 10	< 1	0.01	< 10	7.46	435
MT 98-4	201 202	< 5	< 0.2	2.73	< 2	70	< 0.5	< 2	2.50	< 0.5	18	58	26	4.03	< 10	4	0.08	30	2.47	510
MT 98-5	201 202	< 5	< 0.2	0.54	26	140	0.5	< 2	2.27	2.0	10	12	32	3.20	< 10	1	0.19	30	0.95	580
MT 98-6	201 202	< 5	0.6	3.20	46	150	5.0	< 2	0.12	3.0	67	24	263	4.53	< 10	< 1	0.18	10	0.03	905
SD 98-1	201 202	< 5	< 0.2	0.27	10	150	< 0.5	< 2	0.35	1.5	9	4	18	2.15	< 10	< 1	0.06	< 10	0.10	500
SD 98-2	201 202	< 5	< 0.2	0.81	24	220	0.5	< 2	0.33	4.0	8	17	18	4.55	< 10	< 1	0.08	110	0.26	1060
SD 98-3	201 202	< 5	< 0.2	0.71	10	310	1.5	< 2	0.51	52.0	306	5	96	3.34	< 10	3	0.09	30	0.21	4870
SD 98-4	201 202	10	0.6	0.50	40	520	0.5	< 2	0.28	5.5	7	8	26	4.15	< 10	< 1	0.12	30	0.05	300
RH 98-1	201 202	5	< 0.2	2.75	4	50	0.5	< 2	1.34	< 0.5	16	30	23	3.73	< 10	< 1	0.06	40	2.47	310
RH 98-2	201 202	< 5	< 0.2	1.21	12	80	< 0.5	< 2	2.66	< 0.5	9	31	24	2.99	< 10	< 1	0.04	20	2.03	295

CERTIFICATION: Hartfuchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
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CERTIFICATE OF ANALYSIS A9828908

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
JW 98-10	201	202	1	< 0.01	126	580	14	< 2	3	74	0.01	< 10	< 10	19	< 10	864	1060
JW 98-11	201	202	5	< 0.01	60	860	12	< 2	4	56	0.06	< 10	< 10	30	< 10	276	2400
JW 98-12	201	202	5	< 0.01	57	1000	10	< 2	4	65	0.07	< 10	< 10	33	< 10	240	2800
MB 98-1	201	202	5	< 0.01	15	440	8	2	1	55	0.01	< 10	< 10	11	< 10	68	2900
MB 98-2	201	202	6	< 0.01	50	1240	32	< 2	3	37	0.03	< 10	< 10	30	< 10	206	2600
MB 98-3	201	202	6	< 0.01	42	1070	34	< 2	4	44	0.05	< 10	< 10	25	< 10	178	2900
MB 98-4	201	202	14	< 0.01	56	650	34	< 2	2	22	0.01	< 10	< 10	40	< 10	370	1600
MB 98-5	201	202	2	< 0.01	52	580	20	4	2	24	< 0.01	< 10	< 10	19	< 10	150	4200
MB 98-6	201	202	2	< 0.01	44	570	20	< 2	2	27	0.01	< 10	< 10	21	< 10	134	3800
MB 98-7	201	202	3	< 0.01	48	690	18	< 2	2	34	0.04	< 10	< 10	24	< 10	174	3150
MB 98-8	201	202	4	< 0.01	51	720	18	< 2	2	37	0.06	< 10	< 10	27	< 10	184	6000
MT 98-1	201	202	21	< 0.01	98	410	24	8	< 1	51	< 0.01	< 10	< 10	24	< 10	6720	800
MT 98-2	201	202	1	< 0.01	23	470	20	6	3	111	< 0.01	< 10	< 10	17	< 10	100	1070
MT 98-3	201	202	1	0.01	8	260	12	2	< 1	110	< 0.01	< 10	< 10	6	< 10	48	680
MT 98-4	201	202	< 1	< 0.01	49	540	12	< 2	3	76	0.04	< 10	< 10	23	< 10	90	440
MT 98-5	201	202	13	< 0.01	56	970	26	2	3	74	< 0.01	< 10	< 10	36	< 10	358	1240
MT 98-6	201	202	21	< 0.01	62	1560	44	6	11	157	< 0.01	< 10	20	230	< 10	232	2800
SD 98-1	201	202	4	< 0.01	43	760	22	< 2	2	26	< 0.01	< 10	< 10	16	< 10	198	1340
SD 98-2	201	202	9	< 0.01	39	690	46	< 2	1	25	< 0.01	< 10	< 10	15	< 10	342	2200
SD 98-3	201	202	13	< 0.01	350	740	20	2	7	97	< 0.01	< 10	< 10	85	< 10	1335	4400
SD 98-4	201	202	11	0.01	57	980	36	6	1	83	< 0.01	< 10	< 10	88	< 10	550	3750
RH 98-1	201	202	1	< 0.01	29	520	12	< 2	3	45	< 0.01	< 10	< 10	17	< 10	82	500
RH 98-2	201	202	2	0.01	34	840	24	2	3	40	0.02	< 10	< 10	24	< 10	176	1640

CERTIFICATION:

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SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
BL5000N 20025E	201	202	< 5	< 0.2	0.31	< 2	30	< 0.5	< 2	0.03	< 0.5	1	4	4	0.61	< 10	< 1	0.02	< 10	0.03	25
BL5000N 20050E	201	202	< 5	< 0.2	2.71	20	830	0.5	< 2	0.88	1.0	25	80	52	7.16	< 10	< 1	0.29	150	1.72	1115
BL5000N 20075E	201	202	< 5	< 0.2	1.48	46	740	0.5	< 2	0.22	1.5	20	42	52	8.35	< 10	1	0.19	210	0.56	1150
BL5000N 20100E	201	202	< 5	< 0.2	2.08	40	550	1.0	< 2	0.37	2.0	24	52	64	8.53	< 10	< 1	0.21	250	0.80	1105
BL5000N 20125E	201	202	< 5	0.2	0.80	62	350	0.5	< 2	0.12	< 0.5	4	7	24	8.08	< 10	< 1	0.32	220	0.13	630
BL5000N 20150E	201	202	< 5	0.2	0.70	56	290	0.5	< 2	0.30	< 0.5	5	4	22	7.17	< 10	< 1	0.26	290	0.15	750
BL5000N 20175E	201	202	< 5	0.2	0.64	52	380	0.5	< 2	0.18	0.5	5	5	21	7.64	< 10	1	0.24	270	0.13	805
BL5000N 20200E	201	202	< 5	0.4	0.69	54	410	1.0	< 2	0.12	1.0	4	2	19	8.59	< 10	< 1	0.27	280	0.09	980
BL5000N 20225E	201	202	< 5	0.2	0.64	50	340	1.0	< 2	0.13	1.5	5	1	18	8.08	< 10	< 1	0.25	260	0.09	960
BL5000N 20250E	201	202	< 5	0.2	0.85	52	400	1.0	< 2	0.12	1.5	5	2	19	8.94	< 10	< 1	0.29	270	0.09	1020
BL5000N 20275E	201	202	< 5	< 0.2	0.83	28	110	1.5	< 2	0.06	1.0	4	3	14	5.33	< 10	< 1	0.11	150	0.09	1295
BL5000N 20300E	201	202	< 5	< 0.2	0.69	44	70	1.0	< 2	0.01	0.5	2	2	12	7.86	< 10	< 1	0.11	200	0.05	1445
BL5000N 20325E	201	202	< 5	0.4	0.81	52	220	1.0	< 2	0.32	1.5	5	3	21	8.54	< 10	1	0.48	240	0.16	1365
BL5000N 20350E	201	202	< 5	0.4	0.95	64	150	2.5	< 2	0.15	2.5	22	7	37	10.60	< 10	< 1	0.17	90	0.16	1570
BL5000N 20375E	201	202	< 5	0.2	0.65	34	190	1.0	< 2	0.06	1.5	3	1	9	6.01	< 10	1	0.28	110	0.06	1605
BL5000N 20400E	201	202	< 5	< 0.2	0.66	36	150	1.0	< 2	0.05	0.5	2	1	10	9.45	< 10	< 1	0.47	100	0.06	1195
BL5000N 20425E	201	202	< 5	0.4	0.58	44	100	0.5	< 2	< 0.01	< 0.5	1	1	11	8.34	< 10	< 1	0.38	140	0.05	465
CL1302 0000E	201	202	< 5	< 0.2	0.35	24	190	0.5	< 2	4.76	< 0.5	6	8	19	2.22	< 10	< 1	0.05	10	2.69	490
CL1302 0100E	201	202	< 5	< 0.2	0.74	30	50	< 0.5	< 2	0.03	< 0.5	8	15	12	5.07	< 10	< 1	0.05	90	0.16	815
CL1302 0200E	201	202	< 5	< 0.2	0.79	16	280	< 0.5	< 2	0.78	< 0.5	4	12	11	2.14	< 10	< 1	0.05	50	0.31	295
CL1302 0300E	201	202	< 5	< 0.2	0.97	10	120	< 0.5	< 2	1.61	0.5	6	20	14	2.58	< 10	< 1	0.04	20	0.82	445
CL1302 0400E	201	202	< 5	< 0.2	0.91	18	140	< 0.5	< 2	0.51	0.5	7	19	16	2.68	< 10	< 1	0.06	50	0.45	275
CL1302 0500E	201	202	< 5	0.4	1.35	34	170	0.5	< 2	0.69	1.0	11	26	39	4.28	< 10	< 1	0.06	40	0.92	810
CL1302 0600E	201	202	< 5	< 0.2	1.01	26	170	< 0.5	< 2	0.71	0.5	8	19	24	2.74	< 10	< 1	0.06	20	0.72	410
CL1302 0700E	201	202	< 5	< 0.2	0.40	2	150	< 0.5	< 2	2.01	< 0.5	2	1	10	0.41	< 10	< 1	0.01	< 10	0.33	100
CL1302 0800E	201	202	< 5	0.2	0.68	14	180	< 0.5	< 2	0.38	< 0.5	7	9	13	1.86	< 10	< 1	0.04	10	0.20	345
CL1302 0900E	201	202	< 5	0.2	0.58	28	110	< 0.5	< 2	1.66	0.5	9	9	32	2.89	< 10	< 1	0.04	10	0.46	550
CL1302 1000E	201	202	< 5	< 0.2	1.13	24	100	< 0.5	< 2	1.47	1.0	12	19	27	4.62	< 10	< 1	0.04	20	1.17	1280
CL1302 1100E	201	202	< 5	0.2	1.11	30	120	0.5	< 2	1.35	0.5	11	20	25	4.06	< 10	< 1	0.05	30	0.97	790
CL1302 1200E	201	202	< 5	0.2	0.90	30	170	< 0.5	< 2	1.79	1.5	14	17	42	4.45	< 10	< 1	0.04	10	0.94	1160
CL1302 1300E	201	202	< 5	< 0.2	0.92	26	100	0.5	< 2	3.76	0.5	9	21	22	3.05	< 10	< 1	0.04	20	2.33	655
CL1302 1400E	201	202	< 5	< 0.2	1.05	22	170	< 0.5	< 2	2.15	0.5	9	17	19	3.18	< 10	< 1	0.04	10	1.03	1055
CL1302 1500E	201	202	< 5	< 0.2	1.15	8	160	< 0.5	< 2	1.77	0.5	7	23	17	2.58	< 10	< 1	0.05	10	0.53	515
CL1302 1600E	201	202	< 5	< 0.2	1.30	24	110	0.5	< 2	2.71	0.5	10	32	28	3.56	< 10	< 1	0.05	30	1.97	675
CL1302 1700E	201	202	< 5	< 0.2	1.66	18	340	0.5	< 2	0.77	0.5	9	35	22	3.49	< 10	< 1	0.04	30	0.55	905
CL1302 1800E	201	202	< 5	< 0.2	1.92	74	110	0.5	< 2	0.99	2.0	17	45	18	6.82	< 10	< 1	0.03	20	0.91	2060
CL1302 1900E	201	202	< 5	< 0.2	1.78	18	120	0.5	< 2	0.14	0.5	11	41	14	4.90	< 10	< 1	0.03	30	0.43	570
CL1302 2000E	201	202	< 5	< 0.2	1.41	8	120	< 0.5	< 2	0.24	< 0.5	7	32	7	2.81	< 10	< 1	0.03	20	0.55	335
CL1302 2100E	201	202	< 5	< 0.2	0.90	10	60	< 0.5	< 2	0.20	< 0.5	5	18	7	1.94	< 10	< 1	0.03	10	0.34	260
CL1302 2200E	201	202	< 5	< 0.2	1.66	10	50	< 0.5	< 2	0.09	< 0.5	8	37	8	3.81	< 10	< 1	0.02	20	0.81	305

CERTIFICATION: Ian Fuller

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Certificate Date: 31-AUG-1998
Invoice No. :I9828903
P.O. Number :PTH 98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9828903

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
BL5000N 20025E	201	202	1	0.05	1	250	< 2	< 2	< 1	4	0.01	< 10	< 10	11	< 10	10	860
BL5000N 20050E	201	202	14	< 0.01	55	1530	60	< 2	8	76	0.32	< 10	< 10	71	< 10	262	3300
BL5000N 20075E	201	202	17	0.01	46	1390	136	2	4	67	0.07	< 10	< 10	28	< 10	418	3900
BL5000N 20100E	201	202	19	0.02	54	1480	126	< 2	6	73	0.13	< 10	< 10	41	< 10	498	3200
BL5000N 20125E	201	202	30	0.01	10	1110	98	< 2	1	65	< 0.01	< 10	< 10	9	< 10	150	2400
BL5000N 20150E	201	202	29	0.01	9	830	90	2	1	50	< 0.01	< 10	< 10	7	< 10	156	3300
BL5000N 20175E	201	202	29	0.01	11	890	86	< 2	1	45	< 0.01	< 10	< 10	8	< 10	212	3200
BL5000N 20200E	201	202	34	< 0.01	10	730	80	2	1	41	< 0.01	< 10	< 10	8	< 10	250	2100
BL5000N 20225E	201	202	31	< 0.01	9	670	70	< 2	1	40	< 0.01	< 10	< 10	7	< 10	232	2250
BL5000N 20250E	201	202	32	0.01	8	750	78	< 2	1	43	< 0.01	< 10	< 10	9	< 10	280	2000
BL5000N 20275E	201	202	19	0.02	9	610	54	< 2	< 1	17	< 0.01	< 10	< 10	11	< 10	228	1450
BL5000N 20300E	201	202	27	< 0.01	7	650	74	2	< 1	13	< 0.01	< 10	< 10	9	< 10	234	1240
BL5000N 20325E	201	202	40	0.01	11	800	94	< 2	< 1	77	< 0.01	< 10	< 10	12	< 10	248	1180
BL5000N 20350E	201	202	42	< 0.01	72	1120	104	2	3	31	< 0.01	< 10	< 10	61	< 10	352	1200
BL5000N 20375E	201	202	20	< 0.01	7	400	66	2	< 1	29	< 0.01	< 10	< 10	5	< 10	260	1260
BL5000N 20400E	201	202	23	0.01	5	430	74	2	< 1	47	< 0.01	< 10	< 10	3	< 10	184	940
BL5000N 20425E	201	202	28	< 0.01	5	660	80	2	< 1	23	< 0.01	< 10	< 10	6	< 10	86	760
CL1302 0000E	201	202	3	< 0.01	23	680	20	2	1	50	< 0.01	< 10	< 10	11	< 10	164	1780
CL1302 0100E	201	202	12	< 0.01	14	440	46	< 2	< 1	8	0.01	< 10	< 10	16	< 10	78	1800
CL1302 0200E	201	202	7	0.01	13	800	14	< 2	1	25	< 0.01	< 10	< 10	15	< 10	76	1340
CL1302 0300E	201	202	3	0.01	19	730	44	6	1	29	< 0.01	< 10	< 10	20	< 10	142	1180
CL1302 0400E	201	202	3	< 0.01	22	830	22	< 2	1	26	0.01	< 10	< 10	19	< 10	148	1820
CL1302 0500E	201	202	3	< 0.01	43	1020	40	6	4	32	< 0.01	< 10	< 10	22	< 10	258	2100
CL1302 0600E	201	202	3	< 0.01	29	930	30	2	2	28	< 0.01	< 10	< 10	18	< 10	198	2000
CL1302 0700E	201	202	1	0.03	4	660	< 2	< 2	< 1	37	0.01	< 10	< 10	8	< 10	18	820
CL1302 0800E	201	202	1	0.01	14	830	16	< 2	1	20	< 0.01	< 10	< 10	16	< 10	122	1800
CL1302 0900E	201	202	4	< 0.01	33	1070	28	2	1	35	< 0.01	< 10	< 10	14	< 10	240	1880
CL1302 1000E	201	202	4	< 0.01	34	740	36	4	3	27	< 0.01	< 10	< 10	22	< 10	254	1100
CL1302 1100E	201	202	5	< 0.01	33	760	38	< 2	3	30	< 0.01	< 10	< 10	24	< 10	258	1420
CL1302 1200E	201	202	5	< 0.01	40	920	38	2	1	43	< 0.01	< 10	< 10	24	< 10	234	2050
CL1302 1300E	201	202	4	0.01	26	740	38	2	3	44	< 0.01	< 10	< 10	22	< 10	194	1480
CL1302 1400E	201	202	4	0.01	23	670	40	2	3	42	< 0.01	< 10	< 10	29	< 10	210	1600
CL1302 1500E	201	202	4	< 0.01	17	790	18	< 2	2	49	0.01	< 10	< 10	25	< 10	192	1140
CL1302 1600E	201	202	4	< 0.01	36	860	36	2	4	46	0.01	< 10	< 10	25	< 10	216	1420
CL1302 1700E	201	202	3	< 0.01	26	1250	24	< 2	3	37	0.01	< 10	< 10	31	< 10	96	1160
CL1302 1800E	201	202	4	< 0.01	32	1380	70	2	3	25	< 0.01	< 10	< 10	33	< 10	256	1100
CL1302 1900E	201	202	4	< 0.01	28	790	28	< 2	2	16	0.01	< 10	< 10	41	< 10	146	1360
CL1302 2000E	201	202	3	< 0.01	19	420	18	< 2	1	16	0.02	< 10	< 10	36	< 10	118	1160
CL1302 2100E	201	202	1	0.04	13	580	16	< 2	1	11	0.01	< 10	< 10	20	< 10	86	940
CL1302 2200E	201	202	1	< 0.01	23	410	30	< 2	1	8	0.01	< 10	< 10	34	< 10	108	800

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Certificate Date: 31-AUG-1998
Invoice No. : I9828903
P.O. Number : PTH 98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9828903

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
CL1302 2300E	201 202	< 5	< 0.2	1.36	34	120	0.5	< 2	2.76	2.0	10	22	16	5.14	< 10	< 1	0.02	20	1.74	1725
CL1400 0000E	201 202	< 5	0.2	0.67	< 2	40	< 0.5	< 2	0.11	< 0.5	1	2	3	0.79	< 10	< 1	0.02	10	0.05	55
CL1400 0100E	201 202	< 5	< 0.2	0.53	< 2	50	< 0.5	< 2	0.03	< 0.5	1	10	3	0.44	< 10	< 1	0.04	30	0.04	20
CL1400 0200E	201 202	< 5	0.2	1.28	10	600	< 0.5	< 2	0.19	0.5	10	39	19	3.20	< 10	< 1	0.08	30	0.34	400
CL1400 0300E	201 202	< 5	< 0.2	1.03	16	100	< 0.5	< 2	0.06	< 0.5	9	32	21	3.87	< 10	< 1	0.07	30	0.26	250
CL1400 0400E	201 202	< 5	0.2	0.81	16	70	< 0.5	< 2	0.03	< 0.5	6	25	21	3.95	< 10	< 1	0.06	10	0.16	170
CL1400 0500E	201 202	< 5	< 0.2	0.90	12	90	< 0.5	< 2	0.03	< 0.5	6	19	23	2.66	< 10	< 1	0.06	10	0.21	105
CL1400 0600E	201 202	< 5	0.2	0.67	20	70	< 0.5	< 2	0.04	< 0.5	8	15	34	4.82	< 10	< 1	0.04	10	0.10	195
CL1400 0700E	201 202	< 5	0.2	0.53	8	70	< 0.5	< 2	0.03	< 0.5	5	7	26	2.53	< 10	< 1	0.06	10	0.11	100
CL1400 0800E	201 202	< 5	0.2	0.56	4	80	< 0.5	< 2	0.05	< 0.5	5	7	26	1.96	< 10	< 1	0.05	< 10	0.13	80
CL1400 0900E	201 202	< 5	0.8	0.19	< 2	10	< 0.5	< 2	0.01	< 0.5	< 1	< 1	1	0.28	< 10	< 1	0.01	< 10	0.01	10
CL1400 1000E	201 202	< 5	0.2	0.55	12	90	< 0.5	< 2	0.01	< 0.5	6	8	27	2.46	< 10	< 1	0.06	30	0.07	90
CL1400 1100E	201 202	< 5	< 0.2	0.31	12	60	< 0.5	< 2	0.01	< 0.5	6	5	26	2.23	< 10	< 1	0.04	20	0.05	75
CL1400 1200E	201 202	< 5	0.4	0.66	10	100	< 0.5	< 2	0.10	< 0.5	7	13	27	2.61	< 10	< 1	0.06	20	0.18	135
CL1400 1300E	201 202	< 5	0.8	0.51	10	80	< 0.5	< 2	0.01	< 0.5	4	7	19	2.15	< 10	< 1	0.05	30	0.08	55
CL1400 1400E	201 202	< 5	0.2	0.40	12	100	< 0.5	< 2	0.02	< 0.5	5	5	27	2.13	< 10	< 1	0.05	20	0.06	75
CL1400 1500E	201 202	< 5	0.6	0.59	22	970	< 0.5	< 2	0.17	3.0	5	10	28	3.37	< 10	< 1	0.05	60	0.10	530
CL1400 1600E	201 202	< 5	0.2	0.71	22	160	< 0.5	< 2	0.09	0.5	6	14	13	3.44	< 10	< 1	0.07	40	0.09	435
CL1400 1700E	201 202	< 5	0.2	1.08	14	210	0.5	< 2	1.05	3.5	9	17	23	3.42	< 10	< 1	0.05	80	0.23	595
CL1400 1800E	201 202	< 5	< 0.2	0.83	22	110	< 0.5	< 2	0.17	< 0.5	9	21	18	2.87	< 10	< 1	0.09	40	0.26	345
CL1400 1900E	201 202	< 5	< 0.2	0.39	10	100	< 0.5	< 2	0.03	< 0.5	4	12	12	1.75	< 10	< 1	0.07	30	0.04	95
CL1400 2000E	201 202	< 5	< 0.2	0.90	24	210	0.5	< 2	0.14	2.5	6	17	15	4.51	< 10	< 1	0.15	550	0.17	720
CL1400 2100E	201 202	< 5	0.2	0.61	42	110	< 0.5	< 2	0.08	< 0.5	10	13	23	3.66	< 10	< 1	0.05	20	0.07	575
CL1400 2200E	201 202	< 5	< 0.2	0.71	28	120	< 0.5	< 2	0.05	< 0.5	4	11	14	3.25	< 10	< 1	0.11	50	0.09	210
CL1400 2300E	201 202	< 5	< 0.2	0.78	40	90	< 0.5	< 2	0.04	< 0.5	8	23	19	3.65	< 10	< 1	0.06	10	0.11	635
CL1400 2400E	201 202	< 5	< 0.2	0.91	22	90	< 0.5	< 2	0.03	< 0.5	9	28	25	4.03	< 10	< 1	0.08	10	0.27	360
CL1400 2500E	201 202	< 5	0.2	0.56	30	100	< 0.5	< 2	0.03	< 0.5	6	16	30	2.66	< 10	< 1	0.06	10	0.13	180
CL1400 2600E	201 202	< 5	0.4	0.79	22	100	< 0.5	< 2	0.04	< 0.5	8	19	30	2.45	< 10	< 1	0.07	10	0.22	140
CL1400 2700E	201 202	< 5	< 0.2	0.30	26	90	< 0.5	< 2	< 0.01	< 0.5	8	9	31	1.94	< 10	< 1	0.06	10	0.03	170
CL1400 2800E	201 202	< 5	1.0	0.75	26	370	< 0.5	< 2	0.14	0.5	12	20	42	2.77	< 10	< 1	0.10	20	0.30	305
CL1400 2900E	201 202	< 5	0.2	1.18	18	340	< 0.5	< 2	0.16	0.5	9	15	24	5.06	< 10	< 1	0.10	40	0.15	460
CL1400 3000E	201 202	< 5	< 0.2	0.71	32	150	< 0.5	< 2	0.01	< 0.5	5	12	28	4.19	< 10	< 1	0.08	20	0.04	85
CL1400 3100E	201 202	< 5	0.2	1.00	22	290	< 0.5	< 2	0.01	< 0.5	19	27	47	6.14	< 10	< 1	0.15	40	0.13	400
CL1400 3200E	201 202	< 5	< 0.2	1.03	10	210	< 0.5	< 2	0.11	< 0.5	17	11	35	5.47	< 10	< 1	0.11	30	0.08	370
CL1400 3300E	201 202	< 5	< 0.2	2.33	12	470	1.0	< 2	0.30	< 0.5	23	47	52	4.87	< 10	< 1	0.08	40	0.94	935
CL1400 3400E	201 202	< 5	< 0.2	0.71	8	190	< 0.5	< 2	0.04	< 0.5	4	14	15	2.26	< 10	< 1	0.07	20	0.09	140
CL1400 3500E	201 202	< 5	< 0.2	1.10	20	390	< 0.5	< 2	0.03	< 0.5	8	24	18	6.27	< 10	< 1	0.37	10	0.08	175
CL1400 3600E	201 202	< 5	< 0.2	1.38	12	450	< 0.5	< 2	0.24	1.0	16	33	33	6.38	< 10	< 1	0.16	20	0.15	265
CL1400 3700E	201 202	< 5	< 0.2	1.27	22	180	< 0.5	< 2	0.09	< 0.5	10	34	20	3.89	< 10	< 1	0.10	30	0.40	230
CL1400 3800E	201 202	< 5	1.8	0.83	28	110	< 0.5	< 2	0.05	< 0.5	6	20	25	2.87	< 10	< 1	0.07	20	0.11	120

CERTIFICATION: Ian Fichler

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V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Certificate Date: 31-AUG-1998
Invoice No. : I9828903
P.O. Number : PTH 98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9828903

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
CL1302 2300E	201	202	2	< 0.01	23	870	100	6	4	27	< 0.01	< 10	< 10	27	< 10	320	1240
CL1400 0000E	201	202	1	0.05	3	540	4	< 2	< 1	8	0.02	< 10	< 10	10	< 10	14	890
CL1400 0100E	201	202	3	0.01	4	270	2	< 2	< 1	8	< 0.01	< 10	< 10	17	< 10	18	1600
CL1400 0200E	201	202	5	< 0.01	34	770	22	< 2	< 1	25	0.02	< 10	< 10	41	< 10	128	2600
CL1400 0300E	201	202	7	< 0.01	30	1260	26	< 2	1	18	0.01	< 10	< 10	44	< 10	126	1760
CL1400 0400E	201	202	4	< 0.01	26	1660	18	< 2	< 1	12	< 0.01	< 10	< 10	37	< 10	118	1640
CL1400 0500E	201	202	4	< 0.01	30	820	26	< 2	< 1	18	< 0.01	< 10	< 10	28	< 10	128	2200
CL1400 0600E	201	202	5	< 0.01	32	3020	26	< 2	1	17	< 0.01	< 10	< 10	36	< 10	154	2000
CL1400 0700E	201	202	5	< 0.01	27	780	22	2	< 1	25	< 0.01	< 10	< 10	20	< 10	112	2150
CL1400 0800E	201	202	3	0.01	25	910	18	< 2	< 1	38	< 0.01	< 10	< 10	21	< 10	134	2100
CL1400 0900E	201	202	< 1	0.05	< 1	140	< 2	< 2	< 1	3	< 0.01	< 10	< 10	6	< 10	2	900
CL1400 1000E	201	202	4	< 0.01	27	810	28	< 2	< 1	9	< 0.01	< 10	< 10	25	< 10	172	2600
CL1400 1100E	201	202	4	< 0.01	27	580	22	2	< 1	8	< 0.01	< 10	< 10	22	< 10	196	2700
CL1400 1200E	201	202	4	< 0.01	33	910	42	2	1	21	< 0.01	< 10	< 10	25	< 10	192	3000
CL1400 1300E	201	202	6	< 0.01	22	810	18	2	< 1	10	< 0.01	< 10	< 10	22	< 10	104	3100
CL1400 1400E	201	202	5	< 0.01	29	620	14	4	< 1	12	< 0.01	< 10	< 10	21	< 10	124	2950
CL1400 1500E	201	202	8	< 0.01	37	750	36	8	2	54	< 0.01	< 10	< 10	24	< 10	358	5400
CL1400 1600E	201	202	11	0.01	19	950	32	< 2	< 1	28	< 0.01	< 10	< 10	34	< 10	156	2300
CL1400 1700E	201	202	10	0.02	43	820	44	< 2	2	43	< 0.01	< 10	< 10	21	< 10	316	1820
CL1400 1800E	201	202	7	< 0.01	28	990	22	6	1	28	0.03	< 10	< 10	29	< 10	108	1720
CL1400 1900E	201	202	6	< 0.01	13	390	22	< 2	< 1	12	0.02	< 10	< 10	35	< 10	62	1700
CL1400 2000E	201	202	14	0.02	27	1460	74	< 2	< 1	44	< 0.01	< 10	< 10	23	< 10	138	1900
CL1400 2100E	201	202	6	< 0.01	23	1320	30	< 2	1	14	< 0.01	< 10	< 10	21	< 10	110	1820
CL1400 2200E	201	202	6	< 0.01	17	910	40	< 2	< 1	24	< 0.01	< 10	< 10	21	< 10	108	1700
CL1400 2300E	201	202	7	< 0.01	22	890	32	< 2	< 1	11	0.01	< 10	< 10	35	< 10	84	1720
CL1400 2400E	201	202	4	< 0.01	27	590	20	2	1	10	0.02	< 10	< 10	30	< 10	86	1360
CL1400 2500E	201	202	4	< 0.01	33	850	20	< 2	1	21	< 0.01	< 10	< 10	20	< 10	118	2200
CL1400 2600E	201	202	3	< 0.01	29	600	16	< 2	< 1	11	0.01	< 10	< 10	24	< 10	90	1400
CL1400 2700E	201	202	4	< 0.01	39	350	10	< 2	1	5	< 0.01	< 10	< 10	24	< 10	132	1540
CL1400 2800E	201	202	4	< 0.01	44	930	12	< 2	3	25	0.02	< 10	< 10	19	< 10	144	2600
CL1400 2900E	201	202	8	0.01	25	1240	20	< 2	1	34	< 0.01	< 10	< 10	29	< 10	126	2450
CL1400 3000E	201	202	9	< 0.01	24	830	106	2	< 1	19	0.01	< 10	< 10	35	< 10	100	2600
CL1400 3100E	201	202	5	< 0.01	36	1610	22	< 2	1	38	0.01	< 10	< 10	28	< 10	108	2500
CL1400 3200E	201	202	5	0.03	23	1470	18	< 2	< 1	41	< 0.01	< 10	< 10	15	< 10	30	1400
CL1400 3300E	201	202	6	< 0.01	55	880	22	< 2	3	38	0.06	< 10	< 10	45	< 10	120	1900
CL1400 3400E	201	202	4	< 0.01	20	860	12	< 2	< 1	15	< 0.01	< 10	< 10	25	< 10	74	2100
CL1400 3500E	201	202	3	< 0.01	31	1230	10	2	1	54	< 0.01	< 10	< 10	26	< 10	104	2200
CL1400 3600E	201	202	4	< 0.01	34	1270	10	< 2	2	33	0.01	< 10	< 10	28	< 10	120	2400
CL1400 3700E	201	202	3	< 0.01	34	490	18	4	< 1	10	0.02	< 10	< 10	34	< 10	116	1980
CL1400 3800E	201	202	7	< 0.01	35	1380	14	4	< 1	13	0.03	< 10	< 10	41	< 10	132	1700

CERTIFICATION: Hawthichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Certificate Date: 31-AUG-1998
Invoice No. : 19828903
P.O. Number : PTH 98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9828903

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
CL1400 3900E	201	202	< 5	< 0.2	0.31	42	60	< 0.5	< 2	0.01	< 0.5	3	6	22	2.74	< 10	< 1	0.06	10	0.01	30
CL1400 4000E	201	202	< 5	< 0.2	2.62	6	140	0.5	< 2	0.20	< 0.5	16	89	32	4.78	< 10	< 1	0.07	30	1.58	370
CL1400 4100E	201	202	< 5	< 0.2	1.66	8	80	< 0.5	< 2	0.06	< 0.5	9	52	11	3.71	< 10	< 1	0.07	30	0.76	385
CL1400 4200E	201	202	< 5	< 0.2	2.02	6	280	0.5	< 2	1.04	< 0.5	16	52	52	3.72	< 10	< 1	0.12	40	1.10	410
CL1400 4300E	201	202	< 5	< 0.2	3.21	6	240	1.0	< 2	0.40	< 0.5	15	40	24	3.02	< 10	< 1	0.10	50	0.77	820
CL1400 4400E	201	202	< 5	< 0.2	1.78	14	120	< 0.5	< 2	0.03	< 0.5	8	28	18	4.52	< 10	< 1	0.08	40	0.62	290
CL1400 4500E	201	202	< 5	< 0.2	0.73	14	80	< 0.5	< 2	0.04	< 0.5	5	14	19	2.48	< 10	< 1	0.07	30	0.09	105
CL1401 0000N	201	202	< 5	< 0.2	0.58	14	80	< 0.5	< 2	0.02	< 0.5	3	7	17	2.06	< 10	< 1	0.05	30	0.04	50
CL1401 0100N	201	202	< 5	< 0.2	0.89	8	230	< 0.5	< 2	0.32	< 0.5	2	8	5	1.25	< 10	< 1	0.05	10	0.18	90
CL1401 0200N	201	202	< 5	< 0.2	0.86	2	120	< 0.5	< 2	0.20	< 0.5	2	3	5	0.80	< 10	< 1	0.03	< 10	0.08	70
CL1401 0300N	201	202	< 5	< 0.2	0.79	10	150	< 0.5	< 2	0.59	< 0.5	3	5	14	1.52	< 10	< 1	0.05	10	0.18	350
CL1401 0400N	201	202	< 5	0.2	0.63	8	40	< 0.5	< 2	0.05	< 0.5	1	3	4	0.58	< 10	< 1	0.03	< 10	0.04	30
CL1401 0500N	201	202	< 5	< 0.2	0.72	20	170	< 0.5	< 2	0.43	0.5	7	13	23	4.17	< 10	< 1	0.03	30	0.18	640
CL1401 0600N	201	202	< 5	< 0.2	0.61	16	90	< 0.5	< 2	0.60	< 0.5	5	8	17	2.00	< 10	< 1	0.03	10	0.22	250
CL1401 0700N	201	202	< 5	< 0.2	0.30	18	80	< 0.5	< 2	0.13	0.5	7	7	16	3.87	< 10	1	0.01	30	0.06	1475
CL1401 0800N	201	202	< 5	< 0.2	0.49	24	230	0.5	< 2	7.71	< 0.5	7	8	8	1.78	< 10	< 1	0.02	< 10	4.54	425
CL1401 0900N	201	202	< 5	< 0.2	0.40	8	120	< 0.5	< 2	3.97	0.5	5	12	20	2.47	< 10	< 1	0.03	10	2.23	750
CL1401 1000N	201	202	< 5	0.6	0.22	8	50	< 0.5	< 2	0.04	< 0.5	2	2	11	0.99	< 10	< 1	0.04	< 10	0.02	80
CL1401 1100N	201	202	< 5	0.2	0.29	34	110	< 0.5	< 2	0.05	0.5	9	5	58	4.25	< 10	< 1	0.05	20	0.03	525
CL1401 1200N	201	202	< 5	0.2	0.47	24	70	< 0.5	< 2	< 0.01	< 0.5	5	4	44	2.58	< 10	< 1	0.04	30	0.02	95
CL1401 1300N	201	202	< 5	< 0.2	0.32	26	70	< 0.5	< 2	< 0.01	< 0.5	4	4	31	2.37	< 10	< 1	0.04	20	0.01	65
CL1401 1500N	201	202	< 5	< 0.2	0.52	8	80	< 0.5	< 2	0.05	< 0.5	3	7	6	1.84	< 10	< 1	0.06	30	0.06	465
CL1401 1600N	201	202	< 5	< 0.2	0.59	20	200	0.5	< 2	0.02	< 0.5	4	4	15	4.97	< 10	< 1	0.22	50	0.05	640
CL1401 1700N	201	202	< 5	< 0.2	0.29	18	70	< 0.5	< 2	0.01	< 0.5	4	4	19	2.67	< 10	< 1	0.06	50	0.01	190
CL1401 1800N	201	202	< 5	< 0.2	0.71	10	60	< 0.5	< 2	< 0.01	< 0.5	5	4	16	2.87	< 10	< 1	0.07	50	0.04	225
CL1401 1900N	201	202	< 5	0.6	0.82	8	230	< 0.5	< 2	0.09	< 0.5	4	5	21	1.85	< 10	< 1	0.05	10	0.04	210
CL1401 2000N	201	202	< 5	0.2	0.32	10	120	< 0.5	< 2	0.04	< 0.5	3	4	20	1.57	< 10	< 1	0.06	10	0.02	45
CL1401 2100N	201	202	< 5	0.2	0.52	16	150	< 0.5	< 2	0.12	< 0.5	5	5	25	1.80	< 10	< 1	0.06	30	0.16	185
CL1401 2200N	201	202	< 5	< 0.2	2.86	10	30	0.5	< 2	0.15	< 0.5	24	43	43	4.46	< 10	< 1	0.05	40	2.18	1280
CL1401 2300N	201	202	< 5	< 0.2	1.91	10	80	< 0.5	< 2	0.09	< 0.5	14	38	18	3.17	< 10	< 1	0.05	30	1.14	680
CL1401 2400N	201	202	< 5	< 0.2	2.47	6	50	< 0.5	< 2	0.09	0.5	21	43	22	4.26	< 10	< 1	0.06	30	1.46	1285
CL1401 2500N	201	202	< 5	< 0.2	3.18	8	150	< 0.5	< 2	0.74	< 0.5	51	97	157	7.57	< 10	< 1	0.08	40	2.14	1675
CL1401 2600N	201	202	< 5	1.2	0.49	54	90	< 0.5	< 2	0.13	4.0	17	14	88	5.36	< 10	< 1	0.09	50	0.15	225
CL1401 2700N	201	202	< 5	< 0.2	2.02	12	130	< 0.5	< 2	0.45	< 0.5	24	103	104	4.72	< 10	< 1	0.08	20	1.50	575
CL1401 2800N	201	202	< 5	0.2	0.61	38	60	< 0.5	< 2	0.01	1.0	6	11	53	2.99	< 10	< 1	0.13	30	0.13	65
CL1401 2900N	201	202	< 5	0.4	0.94	10	110	< 0.5	< 2	0.45	0.5	10	20	30	2.48	< 10	< 1	0.13	30	0.36	310
CL1401 3000N	201	202	< 5	< 0.2	2.39	10	80	0.5	< 2	0.38	0.5	13	57	22	3.42	< 10	< 1	0.06	30	1.70	595
CL1401 3100N	201	202	70	< 0.2	1.26	20	140	0.5	< 2	0.24	1.5	14	30	33	3.69	< 10	< 1	0.13	60	0.63	675
CL1401 3200N	201	202	< 5	< 0.2	0.51	12	50	< 0.5	< 2	0.03	< 0.5	3	7	7	1.67	< 10	< 1	0.06	40	0.04	135
CL1401 3300N	201	202	< 5	< 0.2	0.65	22	60	< 0.5	< 2	0.04	< 0.5	6	8	16	3.41	< 10	< 1	0.06	40	0.06	400

CERTIFICATION: Hawthornthwaite

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SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
CL1400 3900E	201	202	11	< 0.01	20	490	2	4	< 1	5	< 0.01	< 10	< 10	42	< 10	78	1320
CL1400 4000E	201	202	2	< 0.01	50	620	18	< 2	4	11	0.09	< 10	< 10	67	< 10	102	860
CL1400 4100E	201	202	3	< 0.01	21	660	10	< 2	1	6	0.06	< 10	< 10	73	< 10	64	780
CL1400 4200E	201	202	5	< 0.01	55	890	26	< 2	5	40	0.06	< 10	< 10	34	< 10	144	1200
CL1400 4300E	201	202	3	< 0.01	33	740	16	< 2	3	26	0.03	< 10	< 10	35	< 10	240	1040
CL1400 4400E	201	202	3	< 0.01	21	470	26	4	1	7	0.02	< 10	< 10	41	< 10	88	980
CL1400 4500E	201	202	4	< 0.01	19	620	16	2	< 1	8	0.01	< 10	< 10	33	< 10	122	1820
CL1401 0000N	201	202	4	< 0.01	15	1030	28	2	< 1	14	< 0.01	< 10	< 10	24	< 10	104	2600
CL1401 0100N	201	202	1	0.04	7	980	12	2	< 1	28	< 0.01	< 10	< 10	16	< 10	78	1660
CL1401 0200N	201	202	1	0.06	5	620	2	< 2	< 1	16	0.01	< 10	< 10	12	< 10	36	1120
CL1401 0300N	201	202	2	0.04	10	790	8	< 2	< 1	18	0.01	< 10	< 10	15	< 10	66	1320
CL1401 0400N	201	202	1	0.05	1	380	4	< 2	< 1	5	0.01	< 10	< 10	13	< 10	14	1080
CL1401 0500N	201	202	5	< 0.01	28	770	30	< 2	3	26	< 0.01	< 10	< 10	23	< 10	230	2600
CL1401 0600N	201	202	4	0.01	20	560	16	< 2	3	27	< 0.01	< 10	< 10	14	< 10	94	1580
CL1401 0700N	201	202	4	< 0.01	29	510	30	2	4	7	< 0.01	< 10	< 10	15	< 10	176	1320
CL1401 0800N	201	202	3	0.02	12	560	24	8	1	53	< 0.01	< 10	< 10	18	< 10	48	1300
CL1401 0900N	201	202	4	< 0.01	20	530	14	< 2	1	40	< 0.01	< 10	< 10	13	< 10	160	2000
CL1401 1000N	201	202	2	0.04	9	450	8	< 2	< 1	6	< 0.01	< 10	< 10	11	< 10	44	1540
CL1401 1100N	201	202	9	< 0.01	49	1300	32	4	< 1	18	< 0.01	< 10	< 10	19	< 10	262	3500
CL1401 1200N	201	202	7	0.01	32	570	14	< 2	< 1	6	< 0.01	< 10	< 10	29	< 10	182	2800
CL1401 1300N	201	202	7	< 0.01	29	620	18	2	< 1	7	< 0.01	< 10	< 10	27	< 10	166	3200
CL1401 1500N	201	202	4	< 0.01	6	370	6	2	< 1	7	0.01	< 10	< 10	17	< 10	50	1480
CL1401 1600N	201	202	16	0.01	8	630	26	< 2	< 1	27	< 0.01	< 10	< 10	7	< 10	76	1520
CL1401 1700N	201	202	7	< 0.01	13	550	18	2	< 1	14	< 0.01	< 10	< 10	23	< 10	114	2900
CL1401 1800N	201	202	5	< 0.01	11	740	16	2	< 1	14	< 0.01	< 10	< 10	22	< 10	94	1480
CL1401 1900N	201	202	5	0.03	14	1060	18	< 2	< 1	89	< 0.01	< 10	< 10	24	< 10	118	1600
CL1401 2000N	201	202	6	0.01	15	540	22	2	< 1	89	< 0.01	< 10	< 10	20	< 10	110	1660
CL1401 2100N	201	202	5	< 0.01	18	810	18	< 2	< 1	71	< 0.01	< 10	< 10	18	< 10	148	1940
CL1401 2200N	201	202	1	< 0.01	44	660	24	< 2	3	10	0.01	< 10	< 10	18	< 10	82	420
CL1401 2300N	201	202	3	< 0.01	26	420	20	< 2	1	9	0.05	< 10	< 10	34	< 10	72	580
CL1401 2400N	201	202	2	< 0.01	31	700	20	< 2	1	10	0.03	< 10	< 10	29	< 10	92	620
CL1401 2500N	201	202	6	< 0.01	175	2350	12	< 2	11	24	< 0.01	< 10	< 10	88	< 10	112	800
CL1401 2600N	201	202	47	< 0.01	133	970	60	12	4	13	< 0.01	< 10	< 10	84	< 10	924	1960
CL1401 2700N	201	202	7	< 0.01	60	920	32	< 2	3	23	0.29	< 10	< 10	117	< 10	164	640
CL1401 2800N	201	202	19	0.01	55	630	16	4	< 1	4	< 0.01	< 10	< 10	66	< 10	536	920
CL1401 2900N	201	202	10	0.01	45	790	16	2	1	23	0.01	< 10	< 10	43	< 10	266	1000
CL1401 3000N	201	202	2	< 0.01	35	1060	12	2	1	22	0.01	< 10	< 10	30	< 10	114	500
CL1401 3100N	201	202	9	< 0.01	50	920	26	4	3	22	< 0.01	< 10	< 10	35	< 10	252	1020
CL1401 3200N	201	202	4	0.02	8	570	8	< 2	< 1	6	< 0.01	< 10	< 10	23	< 10	56	1040
CL1401 3300N	201	202	7	< 0.01	13	800	20	< 2	< 1	8	< 0.01	< 10	< 10	22	< 10	114	1180

CERTIFICATION: Hart Fiddler

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SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
CL1401 3400N	201	202	< 5	1.2	0.68	68	160	0.5	< 2	0.12	2.0	28	8	71	10.60	< 10	< 1	0.07	80	0.06	1405
CL1401 3500N	201	202	< 5	< 0.2	0.51	14	50	< 0.5	< 2	0.02	< 0.5	3	5	10	1.91	< 10	< 1	0.05	30	0.05	175
CL1502 0000S	201	202	< 5	< 0.2	0.47	10	120	0.5	< 2	0.19	< 0.5	8	11	21	4.89	< 10	< 1	0.07	200	0.15	1310
CL1502 0050S	201	202	< 5	< 0.2	0.27	8	160	0.5	< 2	0.11	< 0.5	5	2	18	5.48	< 10	1	0.06	370	0.10	2370
CL1502 0100S	201	202	< 5	< 0.2	0.18	16	140	0.5	< 2	1.43	< 0.5	4	1	18	5.19	< 10	< 1	0.05	220	0.48	1435
CL1502 0150S	201	202	< 5	< 0.2	0.23	28	150	0.5	2	0.15	1.0	5	1	20	5.50	< 10	< 1	0.06	310	0.06	1575
CL1502 0200S	201	202	< 5	< 0.2	0.46	30	200	0.5	< 2	1.02	0.5	6	5	14	4.53	< 10	< 1	0.07	230	0.15	1970
CL1502 0250S	201	202	< 5	< 0.2	0.24	194	190	0.5	< 2	0.43	0.5	11	3	23	6.48	< 10	< 1	0.06	210	0.12	2190
CL1502 0300S	201	202	< 5	< 0.2	0.76	20	240	0.5	< 2	0.25	< 0.5	6	3	19	7.25	< 10	< 1	0.05	230	0.13	1560
CL1502 0350S	201	202	< 5	< 0.2	0.74	10	70	< 0.5	< 2	0.56	< 0.5	3	4	7	2.90	< 10	< 1	0.03	50	0.10	725
CL1502 0400S	201	202	< 5	< 0.2	0.42	22	150	0.5	< 2	0.46	< 0.5	6	3	18	7.77	< 10	< 1	0.05	160	0.22	2780
CL1502 0450S	201	202	< 5	< 0.2	0.25	4	210	< 0.5	< 2	0.26	< 0.5	4	2	9	7.01	< 10	< 1	0.05	160	0.11	2830
CL1502 0500S	201	202	< 5	0.2	0.53	14	190	0.5	< 2	0.28	< 0.5	6	2	19	7.14	< 10	< 1	0.05	300	0.11	3010
CL1502 0550S	201	202	< 5	< 0.2	0.20	188	350	0.5	< 2	0.27	0.5	6	3	21	6.22	< 10	1	0.05	250	0.11	3110
CL1502 0600S	201	202	< 5	< 0.2	0.44	14	420	0.5	< 2	0.34	< 0.5	5	4	10	7.42	< 10	< 1	0.10	80	0.16	4100
CL1502 0650S	201	202	< 5	< 0.2	0.41	24	200	0.5	< 2	0.18	< 0.5	6	4	17	7.56	< 10	< 1	0.06	320	0.12	3250
CL1502 0700S	201	202	< 5	< 0.2	0.51	20	240	0.5	< 2	0.53	< 0.5	6	6	16	6.23	< 10	< 1	0.05	260	0.14	3180
CL1502 0750S	201	202	< 5	< 0.2	0.45	18	570	0.5	< 2	0.57	< 0.5	6	4	11	6.82	< 10	< 1	0.10	150	0.19	3240
CL1502 0800S	201	202	< 5	< 0.2	0.63	38	300	1.0	< 2	0.42	0.5	7	8	12	6.42	< 10	< 1	0.09	130	0.13	2410
CL1502 0850S	201	202	< 5	< 0.2	0.28	68	270	0.5	< 2	0.15	< 0.5	3	1	11	5.24	< 10	< 1	0.07	190	0.06	2000
CL1502 0900S	201	202	< 5	< 0.2	0.28	12	170	0.5	< 2	0.19	< 0.5	4	3	11	4.83	< 10	< 1	0.07	210	0.07	1565
CL1502 0950S	201	202	< 5	< 0.2	0.44	24	200	0.5	< 2	0.29	< 0.5	4	5	8	5.34	< 10	< 1	0.06	120	0.10	1780
CL1502 1000S	201	202	< 5	< 0.2	0.66	22	150	0.5	< 2	0.05	< 0.5	7	9	13	4.32	< 10	< 1	0.05	100	0.12	1745
CL1502 1050S	201	202	< 5	< 0.2	0.37	8	140	0.5	< 2	0.11	< 0.5	6	3	10	4.69	< 10	< 1	0.06	140	0.06	1365
CL1502 1100S	201	202	< 5	< 0.2	0.55	8	90	< 0.5	< 2	0.04	< 0.5	6	4	11	3.53	< 10	< 1	0.05	90	0.06	1185
CL1502 1150S	201	202	< 5	< 0.2	0.68	10	170	0.5	< 2	0.20	< 0.5	6	7	10	5.32	< 10	< 1	0.07	240	0.11	1820
CL1502 1200S	201	202	< 5	< 0.2	0.53	18	180	< 0.5	< 2	0.04	< 0.5	6	5	11	4.33	< 10	< 1	0.08	40	0.06	3690
CL1502 1250S	201	202	< 5	< 0.2	0.46	8	70	< 0.5	< 2	< 0.01	< 0.5	4	3	8	2.92	< 10	< 1	0.04	60	0.02	555
CL1502 1300S	201	202	< 5	< 0.2	0.69	18	80	< 0.5	< 2	0.06	< 0.5	6	9	14	4.30	< 10	< 1	0.08	60	0.12	835
CL1502 1350S	201	202	< 5	< 0.2	0.51	8	80	< 0.5	< 2	0.03	< 0.5	6	8	11	3.31	< 10	< 1	0.08	60	0.07	900
CL1502 1400S	201	202	< 5	< 0.2	0.28	2	50	< 0.5	< 2	0.02	< 0.5	< 1	1	1	0.41	< 10	< 1	0.03	10	0.03	30
CL1502 1450S	201	202	< 5	< 0.2	0.66	8	70	< 0.5	< 2	< 0.01	< 0.5	4	4	9	3.15	< 10	< 1	0.04	100	0.04	585
CL1502 1500S	201	202	< 5	< 0.2	0.33	6	30	< 0.5	< 2	0.01	< 0.5	2	3	4	1.65	< 10	< 1	0.04	30	0.02	270
CL1502 1550S	201	202	< 5	< 0.2	0.65	10	150	0.5	< 2	0.02	< 0.5	4	5	6	2.92	< 10	< 1	0.06	110	0.06	835
CL1502 1600S	201	202	< 5	< 0.2	0.64	16	80	0.5	< 2	0.02	< 0.5	4	5	7	3.13	< 10	< 1	0.06	100	0.05	390
CL1503A 0000SE	201	202	< 5	0.2	0.61	10	190	< 0.5	< 2	0.07	< 0.5	4	12	11	1.50	< 10	< 1	0.07	40	0.14	150
CL1503A 0100SE	201	202	< 5	0.8	1.13	10	100	< 0.5	< 2	0.06	0.5	7	8	23	2.20	< 10	< 1	0.03	40	0.13	320
CL1503A 0200SE	201	202	< 5	< 0.2	0.79	16	170	< 0.5	< 2	0.01	0.5	4	13	20	2.19	< 10	< 1	0.05	20	0.08	140
CL1503A 0300SE	201	202	< 5	0.2	0.85	22	160	< 0.5	< 2	0.02	< 0.5	6	20	31	3.33	< 10	< 1	0.05	20	0.17	365
CL1503A 0400SE	201	202	< 5	0.2	0.68	28	190	< 0.5	< 2	0.05	0.5	7	11	23	2.79	< 10	< 1	0.04	30	0.15	270

CERTIFICATION: Ian Fichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Certificate Date: 31-AUG-1998
Invoice No. : I9828903
P.O. Number : PTH 98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9828903

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
CL1401 3400N	201 202	14	< 0.01	39	1510	110	6	4	26	< 0.01	< 10	< 10	18	< 10	236	1280
CL1401 3500N	201 202	4	0.02	7	580	14	< 2	< 1	8	< 0.01	< 10	< 10	15	< 10	60	1060
CL1502 0000S	201 202	12	0.01	19	490	38	2	1	19	< 0.01	< 10	< 10	8	< 10	80	1240
CL1502 0050S	201 202	20	< 0.01	4	380	16	< 2	< 1	20	< 0.01	< 10	< 10	3	< 10	44	800
CL1502 0100S	201 202	20	< 0.01	4	300	32	6	< 1	30	< 0.01	< 10	< 10	< 1	< 10	76	1220
CL1502 0150S	201 202	29	< 0.01	7	400	64	2	< 1	19	< 0.01	< 10	< 10	1	< 10	146	920
CL1502 0200S	201 202	17	< 0.01	9	1080	52	2	1	22	< 0.01	< 10	< 10	6	< 10	112	800
CL1502 0250S	201 202	27	< 0.01	14	610	68	2	1	21	< 0.01	< 10	< 10	3	< 10	146	980
CL1502 0300S	201 202	44	0.01	6	520	26	2	1	15	< 0.01	< 10	< 10	6	< 10	132	660
CL1502 0350S	201 202	9	0.05	3	610	8	< 2	< 1	11	0.02	< 10	< 10	13	< 10	54	640
CL1502 0400S	201 202	29	< 0.01	6	400	30	< 2	1	12	< 0.01	< 10	< 10	5	< 10	40	520
CL1502 0450S	201 202	22	< 0.01	4	410	26	< 2	1	11	< 0.01	< 10	< 10	2	< 10	28	620
CL1502 0500S	201 202	31	0.01	4	600	26	< 2	1	16	< 0.01	< 10	< 10	6	< 10	54	570
CL1502 0550S	201 202	32	< 0.01	5	290	32	4	< 1	16	< 0.01	< 10	< 10	3	< 10	84	900
CL1502 0600S	201 202	17	< 0.01	6	510	12	< 2	1	15	< 0.01	< 10	< 10	7	< 10	50	900
CL1502 0650S	201 202	31	< 0.01	6	490	34	< 2	1	17	< 0.01	< 10	< 10	6	< 10	104	830
CL1502 0700S	201 202	28	< 0.01	7	510	30	2	1	18	0.01	< 10	< 10	10	< 10	56	750
CL1502 0750S	201 202	20	< 0.01	6	520	20	2	1	15	< 0.01	< 10	< 10	6	< 10	74	1020
CL1502 0800S	201 202	16	< 0.01	9	510	30	2	2	16	< 0.01	< 10	< 10	10	< 10	180	1040
CL1502 0850S	201 202	20	< 0.01	4	400	50	2	1	14	< 0.01	< 10	< 10	3	< 10	66	1340
CL1502 0900S	201 202	21	< 0.01	5	360	26	2	1	13	< 0.01	< 10	< 10	4	< 10	58	1000
CL1502 0950S	201 202	16	< 0.01	9	380	98	< 2	1	10	< 0.01	< 10	< 10	7	< 10	132	1140
CL1502 1000S	201 202	13	< 0.01	11	310	56	< 2	1	10	0.01	< 10	< 10	10	< 10	72	1060
CL1502 1050S	201 202	12	< 0.01	9	560	70	2	1	11	< 0.01	< 10	< 10	5	< 10	42	1220
CL1502 1100S	201 202	12	< 0.01	6	470	32	< 2	< 1	8	< 0.01	< 10	< 10	9	< 10	40	1200
CL1502 1150S	201 202	13	< 0.01	10	670	46	< 2	2	15	< 0.01	< 10	< 10	7	< 10	62	1140
CL1502 1200S	201 202	10	0.01	6	550	28	2	< 1	6	< 0.01	< 10	< 10	13	< 10	56	1150
CL1502 1250S	201 202	11	0.01	6	320	8	< 2	< 1	5	< 0.01	< 10	< 10	15	< 10	54	1080
CL1502 1300S	201 202	12	< 0.01	11	730	22	< 2	< 1	8	< 0.01	< 10	< 10	12	< 10	98	1300
CL1502 1350S	201 202	8	< 0.01	10	900	14	< 2	< 1	6	< 0.01	< 10	< 10	15	< 10	94	1500
CL1502 1400S	201 202	< 1	0.05	1	320	2	2	< 1	3	< 0.01	< 10	< 10	7	< 10	6	920
CL1502 1450S	201 202	9	0.01	7	520	14	< 2	< 1	6	< 0.01	< 10	< 10	11	< 10	62	1040
CL1502 1500S	201 202	5	0.03	4	360	2	< 2	< 1	3	< 0.01	< 10	< 10	14	< 10	46	1160
CL1502 1550S	201 202	7	0.01	5	680	14	2	< 1	8	< 0.01	< 10	< 10	10	< 10	74	1300
CL1502 1600S	201 202	11	< 0.01	7	630	20	< 2	< 1	8	< 0.01	< 10	< 10	9	< 10	198	1400
CL1503A 0000SE	201 202	7	0.02	10	870	28	< 2	< 1	44	< 0.01	< 10	< 10	20	< 10	60	3600
CL1503A 0100SE	201 202	4	0.03	13	890	18	< 2	< 1	11	< 0.01	< 10	< 10	19	< 10	76	1500
CL1503A 0200SE	201 202	6	0.01	16	710	12	< 2	< 1	8	< 0.01	< 10	< 10	39	< 10	150	2000
CL1503A 0300SE	201 202	8	< 0.01	27	1410	24	< 2	< 1	11	< 0.01	< 10	< 10	33	< 10	130	2500
CL1503A 0400SE	201 202	4	< 0.01	24	800	22	2	< 1	18	< 0.01	< 10	< 10	22	< 10	138	2800

CERTIFICATION: Hawkfuller

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Certificate Date: 31-AUG-1998
Invoice No. : 19828903
P.O. Number : PTH 98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9828903

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
CL1503A 0500SE	201	202	< 5	0.2	0.82	46	100	< 0.5	< 2	0.01	< 0.5	9	19	34	4.08	< 10	< 1	0.04	20	0.16	550
CL1503A 0600SE	201	202	< 5	0.2	0.98	48	130	< 0.5	< 2	0.02	0.5	12	17	38	4.53	< 10	< 1	0.03	20	0.14	800
CL1503A 0700SE	201	202	< 5	< 0.2	0.52	60	60	< 0.5	< 2	0.01	0.5	27	12	20	12.50	< 10	< 1	0.02	10	0.06	1125
CL1503A 0800SE	201	202	< 5	< 0.2	0.65	8	60	< 0.5	< 2	0.02	< 0.5	1	8	6	0.94	< 10	< 1	0.05	20	0.04	95
CL1503A 0900SE	201	202	< 5	0.6	1.25	20	310	< 0.5	< 2	0.76	0.5	10	27	38	3.81	< 10	< 1	0.09	50	0.50	185
CL1503A 1000SE	201	202	< 5	0.2	0.89	50	140	< 0.5	< 2	0.02	< 0.5	6	13	30	2.55	< 10	< 1	0.06	20	0.12	280
CL1503A 1100SE	201	202	< 5	< 0.2	0.85	72	120	< 0.5	< 2	0.07	< 0.5	12	33	25	2.69	< 10	< 1	0.08	10	0.31	755
CL1503A 1200SE	201	202	< 5	< 0.2	0.79	102	110	< 0.5	< 2	0.01	< 0.5	8	9	45	2.55	< 10	< 1	0.06	20	0.07	145
CL1503A 1300SE	201	202	< 5	< 0.2	1.25	10	480	< 0.5	< 2	0.45	< 0.5	11	43	15	1.62	< 10	< 1	0.06	10	0.77	85
CL1503A 1400SE	201	202	< 5	< 0.2	0.70	34	120	< 0.5	< 2	0.02	< 0.5	5	14	25	2.31	< 10	< 1	0.05	10	0.08	85
CL1503A 1500SE	201	202	< 5	< 0.2	0.88	46	90	< 0.5	< 2	0.06	< 0.5	8	21	25	3.45	< 10	< 1	0.06	10	0.17	315
CL1503A 1600SE	201	202	< 5	0.4	0.74	44	190	< 0.5	< 2	0.01	0.5	5	20	33	3.49	< 10	< 1	0.06	10	0.15	185
CL1503A 1700SE	201	202	< 5	< 0.2	0.81	74	120	< 0.5	< 2	0.03	< 0.5	12	20	29	3.87	< 10	< 1	0.06	10	0.18	820
CL1503A 1800SE	201	202	< 5	0.8	0.71	36	130	< 0.5	< 2	0.06	0.5	7	7	22	3.66	< 10	< 1	0.05	40	0.08	300
CL1503A 1900SE	201	202	< 5	0.4	0.50	20	70	< 0.5	< 2	0.02	< 0.5	4	5	14	1.62	< 10	< 1	0.03	20	0.05	190
CL1503A 2000SE	201	202	< 5	0.2	1.18	20	290	< 0.5	< 2	0.36	1.0	14	39	39	3.13	< 10	< 1	0.05	20	0.94	435
CL1503A 2100SE	201	202	< 5	0.2	0.50	48	340	< 0.5	< 2	0.28	1.0	10	12	48	2.50	< 10	< 1	0.05	10	0.26	300
CL1503B 0000E	201	202	< 5	< 0.2	2.12	10	40	0.5	< 2	3.65	< 0.5	19	41	30	3.42	< 10	< 1	0.04	10	1.61	490
CL1503B 0100E	201	202	< 5	< 0.2	1.13	< 2	50	< 0.5	< 2	0.31	< 0.5	16	17	28	3.45	< 10	< 1	0.04	30	0.50	405
CL1503B 0200E	201	202	< 5	< 0.2	2.02	8	100	0.5	< 2	0.54	< 0.5	17	71	26	3.85	< 10	< 1	0.04	30	1.33	505
CL1503B 0300E	201	202	< 5	< 0.2	2.33	6	70	0.5	< 2	0.25	< 0.5	16	60	28	4.13	< 10	< 1	0.05	40	1.31	855
CL1503B 0400E	201	202	< 5	< 0.2	2.44	8	60	0.5	< 2	0.22	< 0.5	21	33	28	4.83	< 10	< 1	0.05	40	1.32	1055
CL1503B 0500E	201	202	< 5	< 0.2	2.59	20	120	0.5	< 2	0.83	< 0.5	20	30	28	3.78	< 10	< 1	0.07	40	1.23	930
CL1503B 0600E	201	202	< 5	< 0.2	2.96	8	60	0.5	< 2	0.46	< 0.5	25	33	32	4.46	< 10	< 1	0.04	60	1.83	985
CL1503B 0700E	201	202	< 5	< 0.2	2.29	8	120	< 0.5	< 2	0.55	< 0.5	24	28	22	4.66	< 10	< 1	0.04	30	0.77	1115
CL1503B 0800E	201	202	< 5	< 0.2	1.25	6	130	< 0.5	< 2	0.09	< 0.5	11	21	24	2.96	< 10	< 1	0.06	30	0.49	345
CL1503B 0900E	201	202	< 5	0.2	0.90	218	300	< 0.5	< 2	0.03	< 0.5	11	13	41	2.41	< 10	< 1	0.06	10	0.21	565
CL1503B 1000E	201	202	< 5	< 0.2	1.25	20	90	< 0.5	< 2	0.06	0.5	13	22	40	3.02	< 10	< 1	0.04	10	0.52	520
CL1503B 1100E	201	202	< 5	0.2	0.53	366	140	< 0.5	< 2	0.01	0.5	12	5	68	3.28	< 10	< 1	0.06	< 10	0.03	455
CL1503B 1200E	201	202	< 5	0.2	1.04	54	290	< 0.5	< 2	0.05	< 0.5	9	16	32	2.86	< 10	< 1	0.06	10	0.23	215
CL1503B 1300E	201	202	< 5	< 0.2	0.77	66	150	< 0.5	< 2	0.01	< 0.5	37	7	133	4.21	< 10	< 1	0.04	< 10	0.11	1075
CL1503B 1400E	201	202	< 5	< 0.2	1.02	28	310	< 0.5	< 2	0.16	0.5	9	22	31	3.75	< 10	< 1	0.05	10	0.26	320
CL1503B 1500E	201	202	< 5	2.6	0.69	18	1310	< 0.5	2	0.07	< 0.5	2	6	32	3.35	< 10	< 1	0.05	10	0.05	90
CL1503B 1600E	201	202	< 5	< 0.2	0.99	82	130	< 0.5	< 2	0.05	< 0.5	9	15	27	2.55	< 10	< 1	0.06	10	0.24	400
CL1503B 1700E	201	202	< 5	1.4	0.36	32	470	< 0.5	< 2	0.03	< 0.5	< 1	6	10	1.30	< 10	< 1	0.18	20	0.01	10
CL1503B 1800E	201	202	< 5	2.2	0.27	48	130	< 0.5	< 2	< 0.01	< 0.5	1	7	7	3.37	< 10	< 1	0.45	40	0.01	15
CL1503B 1900E	201	202	< 5	1.4	0.40	32	450	< 0.5	< 2	0.01	< 0.5	1	5	5	2.12	< 10	< 1	0.14	20	0.02	20
CL1503B 1965E	201	202	< 5	0.2	0.50	34	230	< 0.5	< 2	0.01	< 0.5	1	8	23	5.32	< 10	< 1	0.23	30	0.03	40
CL1503B 2000E	201	202	< 5	< 0.2	0.89	40	190	2.0	< 2	0.01	23.0	89	7	11	>15.00	< 10	< 1	0.03	10	0.03	3020
CL1503B 2100E	201	202	30	< 0.2	0.39	6	60	< 0.5	< 2	0.02	< 0.5	2	4	7	0.92	< 10	< 1	0.04	10	0.04	60

CERTIFICATION: Hawkinchuk

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Certificate Date: 31-AUG-1998
Invoice No. : I9828903
P.O. Number : PTH 98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9828903

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
CL1503A 0500SE	201	202	5	< 0.01	25	1210	30	4	< 1	11	< 0.01	< 10	< 10	30	< 10	140	2580
CL1503A 0600SE	201	202	6	< 0.01	28	1220	44	4	1	16	< 0.01	< 10	< 10	26	< 10	198	2700
CL1503A 0700SE	201	202	7	< 0.01	204	1130	22	< 2	< 1	6	< 0.01	< 10	< 10	26	< 10	630	1600
CL1503A 0800SE	201	202	1	< 0.01	4	650	12	< 2	< 1	8	< 0.01	< 10	< 10	20	< 10	26	1560
CL1503A 0900SE	201	202	3	0.01	35	1080	32	< 2	4	62	0.01	< 10	< 10	26	< 10	156	2700
CL1503A 1000SE	201	202	5	0.01	20	810	22	< 2	< 1	15	< 0.01	< 10	< 10	36	< 10	94	2000
CL1503A 1100SE	201	202	8	0.01	26	660	14	< 2	1	12	0.05	< 10	< 10	48	< 10	76	920
CL1503A 1200SE	201	202	6	< 0.01	23	680	24	2	< 1	19	< 0.01	< 10	< 10	40	< 10	104	1920
CL1503A 1300SE	201	202	3	< 0.01	29	620	4	< 2	4	24	0.09	< 10	< 10	50	< 10	78	2050
CL1503A 1400SE	201	202	5	0.01	18	970	22	< 2	< 1	14	< 0.01	< 10	< 10	42	< 10	92	2100
CL1503A 1500SE	201	202	5	< 0.01	22	750	28	< 2	< 1	12	0.01	< 10	< 10	47	< 10	96	1960
CL1503A 1600SE	201	202	12	0.01	30	840	32	2	< 1	25	< 0.01	< 10	< 10	60	< 10	180	2600
CL1503A 1700SE	201	202	6	< 0.01	23	1640	36	< 2	< 1	18	< 0.01	< 10	< 10	41	< 10	116	2500
CL1503A 1800SE	201	202	5	0.02	21	980	28	< 2	1	17	< 0.01	< 10	< 10	14	< 10	134	2900
CL1503A 1900SE	201	202	3	0.03	11	550	14	2	< 1	11	< 0.01	< 10	< 10	19	< 10	72	1920
CL1503A 2000SE	201	202	8	< 0.01	42	820	18	2	4	32	0.04	< 10	< 10	31	< 10	160	2200
CL1503A 2100SE	201	202	6	< 0.01	35	890	30	< 2	3	35	< 0.01	< 10	< 10	26	< 10	206	3300
CL1503B 0000E	201	202	2	< 0.01	28	710	8	2	3	100	< 0.01	< 10	< 10	19	< 10	68	600
CL1503B 0100E	201	202	2	0.01	28	770	14	< 2	4	21	< 0.01	< 10	< 10	12	< 10	82	720
CL1503B 0200E	201	202	1	< 0.01	38	500	8	< 2	5	39	0.02	< 10	< 10	48	< 10	62	720
CL1503B 0300E	201	202	4	0.01	33	640	12	< 2	3	19	0.01	< 10	< 10	41	< 10	64	740
CL1503B 0400E	201	202	2	< 0.01	27	750	18	< 2	3	14	< 0.01	< 10	< 10	20	< 10	62	760
CL1503B 0500E	201	202	3	< 0.01	27	960	24	< 2	7	41	< 0.01	< 10	< 10	15	< 10	86	800
CL1503B 0600E	201	202	1	< 0.01	32	850	22	< 2	5	26	< 0.01	< 10	< 10	14	< 10	84	760
CL1503B 0700E	201	202	3	< 0.01	17	1210	36	2	1	37	0.01	< 10	< 10	24	< 10	78	660
CL1503B 0800E	201	202	3	0.01	22	900	10	< 2	1	8	< 0.01	< 10	< 10	20	< 10	84	1490
CL1503B 0900E	201	202	1	0.03	35	720	36	< 2	< 1	9	< 0.01	< 10	< 10	21	< 10	156	1260
CL1503B 1000E	201	202	2	< 0.01	27	710	28	< 2	1	8	0.01	< 10	< 10	21	< 10	106	980
CL1503B 1100E	201	202	24	< 0.01	34	580	28	2	1	16	< 0.01	< 10	< 10	13	< 10	190	1020
CL1503B 1200E	201	202	5	< 0.01	22	510	18	< 2	2	23	< 0.01	< 10	< 10	25	< 10	104	1840
CL1503B 1300E	201	202	3	< 0.01	86	580	26	10	5	6	< 0.01	< 10	< 10	9	< 10	518	960
CL1503B 1400E	201	202	9	< 0.01	56	1230	22	< 2	< 1	19	< 0.01	< 10	< 10	24	< 10	220	3200
CL1503B 1500E	201	202	5	0.03	11	1060	14	< 2	< 1	43	< 0.01	< 10	< 10	23	< 10	96	5000
CL1503B 1600E	201	202	1	0.02	18	550	12	< 2	< 1	7	0.01	< 10	< 10	28	< 10	94	1220
CL1503B 1700E	201	202	33	0.01	4	750	68	6	< 1	65	< 0.01	< 10	< 10	104	< 10	16	4800
CL1503B 1800E	201	202	62	0.06	3	710	120	14	< 1	84	< 0.01	< 10	< 10	144	< 10	24	880
CL1503B 1900E	201	202	21	0.11	1	1020	44	2	< 1	76	< 0.01	< 10	< 10	69	< 10	12	3200
CL1503B 1965E	201	202	6	0.02	7	1610	36	< 2	< 1	146	< 0.01	< 10	< 10	317	< 10	66	3700
CL1503B 2000E	201	202	28	< 0.01	121	1740	18	2	1	25	< 0.01	< 10	50	59	10	2490	1800
CL1503B 2100E	201	202	2	0.04	4	570	10	< 2	< 1	10	< 0.01	< 10	< 10	21	< 10	34	1460

CERTIFICATION: Hawkfriddles

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Certificate Date: 31-AUG-1998
Invoice No. : I9828903
P.O. Number : PTH 98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9828903

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
CL1503B 2200E	201	202	< 5	0.4	0.53	28	390	< 0.5	< 2	0.11	0.5	7	6	24	3.11	< 10	< 1	0.05	30	0.06	145
CL1503B 2300E	201	202	< 5	1.4	0.54	20	270	< 0.5	< 2	0.04	1.0	12	8	55	2.90	< 10	< 1	0.06	10	0.06	510

CERTIFICATION: Hawfridden

Chemex Labs Ltd.

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British Columbia, Canada V7J 2C1
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CERTIFICATE OF ANALYSIS A9828903

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
CL1503B 2200E	201	202	7	0.01	23	800	30	< 2	< 1	34	< 0.01	< 10	< 10	21	< 10	168	4200
CL1503B 2300E	201	202	7	0.01	52	890	10	2	1	32	< 0.01	< 10	< 10	15	< 10	238	3150

CERTIFICATION: Hawthornthwaite

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-01
Comments: ATTN: STEWART HARRIS

Page Number :1-A
Total Pages :7
Certificate Date: 16-SEP-1998
Invoice No. :19830643
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9830643

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
CL1320-0	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
CL1320-100	201	202	< 5	2000	0.6	1.03	24	180	< 0.5	< 2	0.57	0.5	7	30	34	2.77	< 10	< 1	0.06	20	0.28
CL1320-220	201	202	< 5	840	< 0.2	0.67	8	140	< 0.5	< 2	0.59	< 0.5	1	2	3	0.95	< 10	< 1	0.01	< 10	0.09
CL1320-300	201	202	< 5	1210	< 0.2	1.97	14	260	0.5	< 2	1.00	0.5	20	80	72	4.79	10	< 1	0.09	40	1.55
CL1320-400	201	202	< 5	3490	0.6	0.82	18	950	< 0.5	< 2	0.20	< 0.5	11	29	40	2.98	< 10	< 1	0.10	10	0.29
CL1320-500	201	202	< 5	1030	0.2	0.95	10	390	< 0.5	< 2	0.35	0.5	7	37	50	2.42	< 10	< 1	0.04	< 10	0.37
CL1320-600	201	202	< 5	1700	< 0.2	2.06	14	570	0.5	< 2	0.97	1.0	22	94	66	5.86	10	< 1	0.07	50	1.65
CL1320-700	201	202	< 5	1710	< 0.2	1.21	6	660	< 0.5	< 2	1.28	0.5	6	25	20	3.03	< 10	< 1	0.05	20	0.41
CL1320-800	201	202	< 5	1390	< 0.2	1.46	18	270	< 0.5	< 2	0.53	0.5	17	76	43	3.97	< 10	< 1	0.07	30	1.08
CL1320-900	201	202	< 5	1070	< 0.2	1.86	8	320	< 0.5	< 2	0.74	0.5	17	90	36	3.84	< 10	< 1	0.07	20	1.29
CL1320-1000	201	202	20	1410	< 0.2	1.47	10	270	0.5	< 2	0.83	0.5	10	51	28	5.33	< 10	< 1	0.07	30	0.68
CL1320-1100	201	202	< 5	1270	< 0.2	1.63	12	370	< 0.5	< 2	0.41	< 0.5	15	73	34	3.48	< 10	< 1	0.08	30	0.98
CL1320-1200	201	202	< 5	1310	< 0.2	1.07	2	250	0.5	< 2	7.68	0.5	14	53	41	3.45	< 10	< 1	0.07	10	1.71
CL1320-1300	201	202	< 5	1330	0.2	1.41	6	340	0.5	< 2	0.87	0.5	11	52	33	3.07	< 10	< 1	0.08	30	0.94
CL1320-1400	201	202	10	1070	< 0.2	0.98	6	210	< 0.5	< 2	0.17	0.5	9	41	29	3.31	< 10	< 1	0.05	20	0.53
CL1320-1500	201	202	< 5	1200	< 0.2	0.97	14	120	< 0.5	< 2	0.21	0.5	7	39	23	3.01	< 10	1	0.04	20	0.46
CL1320-1600	201	202	< 5	1420	< 0.2	0.93	6	440	< 0.5	< 2	0.23	0.5	12	26	34	3.55	< 10	< 1	0.06	20	0.43
CL1320-1700	201	202	< 5	1180	< 0.2	3.58	2	570	0.5	< 2	1.12	< 0.5	41	219	107	6.75	20	1	0.07	10	3.33
CL1320-1800	201	202	< 5	1380	< 0.2	1.63	10	220	0.5	< 2	0.26	0.5	15	64	52	3.83	< 10	< 1	0.07	30	0.99
CL1320-1900	201	202	< 5	1170	0.2	1.83	8	160	< 0.5	< 2	0.71	0.5	16	59	44	3.91	< 10	1	0.09	30	1.27
CL1320-2000	201	202	< 5	670	< 0.2	0.60	< 2	110	< 0.5	< 2	1.27	< 0.5	3	6	13	0.66	< 10	< 1	0.03	< 10	0.15
CL1325-00SE	201	202	< 5	930	0.2	0.98	30	110	0.5	< 2	0.06	0.5	6	21	25	6.42	< 10	< 1	0.07	140	0.23
CL1325-100SE	201	202	< 5	520	< 0.2	0.31	38	50	< 0.5	< 2	0.05	< 0.5	< 1	2	5	4.27	< 10	1	0.06	100	0.02
CL1325-200SE	201	202	< 5	1000	< 0.2	0.81	16	90	< 0.5	< 2	0.07	< 0.5	3	17	9	4.36	< 10	< 1	0.06	60	0.20
CL1325-300SE	201	202	< 5	1500	< 0.2	0.55	38	290	< 0.5	< 2	< 0.01	< 0.5	< 1	7	4	7.43	< 10	< 1	0.48	40	0.02
CL1325-400SE	201	202	< 5	1760	< 0.2	0.42	14	250	< 0.5	< 2	0.09	0.5	4	3	13	3.44	< 10	< 1	0.06	60	0.06
CL1325-500SE	201	202	< 5	1100	< 0.2	0.38	18	60	< 0.5	< 2	0.08	< 0.5	2	3	5	3.12	< 10	< 1	0.04	60	0.06
CL1325-600SE	201	202	< 5	1790	< 0.2	0.86	24	90	< 0.5	< 2	0.03	< 0.5	5	24	17	5.26	< 10	< 1	0.04	60	0.27
CL1325-700SE	201	202	< 5	840	< 0.2	0.93	6	60	< 0.5	< 2	0.32	< 0.5	1	2	4	1.02	< 10	< 1	0.03	10	0.07
CL1325-800SE	201	202	< 5	2350	0.2	1.13	30	350	1.0	< 2	0.28	0.5	1	3	9	5.83	< 10	< 1	0.11	110	0.25
CL1325-900SE	201	202	< 5	2820	0.4	1.14	28	350	1.0	< 2	0.23	1.5	3	4	12	6.03	< 10	< 1	0.13	130	0.28
CL1370-00E	201	202	50	1210	< 0.2	0.80	12	60	< 0.5	< 2	0.09	< 0.5	5	12	13	5.71	< 10	< 1	0.09	130	0.23
CL1370-100E	201	202	< 5	1410	< 0.2	1.53	20	180	0.5	< 2	0.49	2.0	12	36	47	5.09	< 10	< 1	0.10	50	0.86
CL1370-200E	201	202	< 5	1270	0.4	1.66	14	270	< 0.5	< 2	1.14	1.0	13	36	34	4.02	< 10	< 1	0.09	30	0.84
CL1370-300E	201	202	< 5	1500	< 0.2	1.70	12	310	< 0.5	< 2	0.88	0.5	12	37	34	3.65	< 10	< 1	0.11	30	0.80
CL1370-400E	201	202	< 5	1460	< 0.2	1.88	18	350	< 0.5	< 2	0.82	0.5	16	40	48	4.07	< 10	< 1	0.14	30	1.01
CL1370-500E	201	202	< 5	1610	< 0.2	2.22	< 2	200	< 0.5	< 2	0.84	0.5	18	49	90	5.57	10	1	0.14	30	1.39
CL1370-600E	201	202	< 5	650	< 0.2	0.41	6	80	< 0.5	< 2	1.33	< 0.5	1	3	18	0.43	< 10	< 1	0.02	< 10	0.11
CL1370-700E	201	202	< 5	1400	< 0.2	1.89	14	190	< 0.5	< 2	1.09	1.0	11	43	35	3.47	< 10	< 1	0.18	30	1.34
CL1370-800E	201	202	< 5	1500	0.8	1.45	6	170	< 0.5	< 2	1.64	2.0	11	32	37	2.85	< 10	< 1	0.09	40	1.06

CERTIFICATION: Ian Fichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-01
Comments: ATTN: STEWART HARRIS

Page Number : 1-B
Total Pages : 7
Certificate Date: 16-SEP-1998
Invoice No. : I9830643
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9830643

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
CL1320-0	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
CL1320-100	201	202	140	11	0.01	52	620	18	< 2	1	17	0.03	< 10	< 10	106	< 10	198
CL1320-220	201	202	695	6	0.08	3	530	< 2	2	< 1	27	0.03	< 10	< 10	10	< 10	16
CL1320-300	201	202	615	7	< 0.01	63	900	12	2	5	45	0.22	< 10	< 10	67	< 10	166
CL1320-400	201	202	395	3	< 0.01	39	650	10	4	3	19	0.03	< 10	< 10	41	< 10	120
CL1320-500	201	202	170	3	0.02	25	870	< 2	2	2	19	0.06	< 10	< 10	45	< 10	52
CL1320-600	201	202	680	7	< 0.01	95	1210	14	< 2	6	44	0.21	< 10	< 10	77	< 10	216
CL1320-700	201	202	760	4	< 0.01	25	860	22	8	1	56	0.01	< 10	< 10	37	< 10	160
CL1320-800	201	202	400	7	< 0.01	72	980	12	2	5	23	0.15	< 10	< 10	76	< 10	106
CL1320-900	201	202	575	5	< 0.01	59	880	8	< 2	5	32	0.16	< 10	< 10	72	< 10	126
CL1320-1000	201	202	960	7	< 0.01	43	990	28	6	4	39	0.06	< 10	< 10	47	< 10	172
CL1320-1100	201	202	400	3	< 0.01	53	540	6	2	5	22	0.11	< 10	< 10	60	< 10	122
CL1320-1200	201	202	450	5	< 0.01	57	1080	12	4	4	119	0.13	< 10	< 10	52	< 10	128
CL1320-1300	201	202	385	6	< 0.01	49	980	12	< 2	4	35	0.06	< 10	< 10	57	< 10	122
CL1320-1400	201	202	330	9	< 0.01	45	730	12	2	3	9	0.04	< 10	< 10	76	< 10	82
CL1320-1500	201	202	210	8	< 0.01	36	490	8	2	1	12	0.05	< 10	< 10	70	< 10	82
CL1320-1600	201	202	645	13	< 0.01	49	760	14	2	3	16	0.01	< 10	< 10	75	< 10	86
CL1320-1700	201	202	900	5	< 0.01	135	1280	< 2	< 2	8	38	0.48	< 10	< 10	134	10	136
CL1320-1800	201	202	275	12	< 0.01	79	940	16	6	4	12	0.09	< 10	< 10	75	< 10	134
CL1320-1900	201	202	400	7	< 0.01	60	940	18	< 2	5	33	0.07	< 10	< 10	60	< 10	144
CL1320-2000	201	202	150	< 1	0.06	6	600	< 2	4	< 1	44	0.01	< 10	< 10	11	< 10	22
CL1325-00SE	201	202	575	12	< 0.01	21	730	52	< 2	1	15	0.02	< 10	< 10	26	< 10	180
CL1325-100SE	201	202	280	21	< 0.01	1	410	32	< 2	< 1	6	< 0.01	< 10	< 10	5	< 10	26
CL1325-200SE	201	202	405	11	< 0.01	12	330	28	2	< 1	8	0.02	< 10	< 10	21	< 10	98
CL1325-300SE	201	202	30	27	0.01	3	1180	188	4	< 1	79	< 0.01	< 10	< 10	13	< 10	14
CL1325-400SE	201	202	2040	13	0.01	3	630	42	2	< 1	13	< 0.01	< 10	< 10	9	< 10	168
CL1325-500SE	201	202	570	10	0.01	3	450	44	< 2	< 1	9	< 0.01	< 10	< 10	9	< 10	72
CL1325-600SE	201	202	330	14	< 0.01	14	400	52	< 2	1	6	0.02	< 10	< 10	22	< 10	94
CL1325-700SE	201	202	155	1	0.06	1	510	6	2	< 1	12	0.03	< 10	< 10	16	< 10	40
CL1325-800SE	201	202	1150	16	< 0.01	9	610	82	2	< 1	23	< 0.01	< 10	< 10	8	< 10	316
CL1325-900SE	201	202	1730	16	< 0.01	11	640	76	2	1	29	< 0.01	< 10	< 10	10	< 10	340
CL1370-00E	201	202	580	10	< 0.01	10	520	28	8	1	14	0.01	< 10	< 10	12	< 10	164
CL1370-100E	201	202	690	6	< 0.01	51	1740	22	< 2	4	24	0.01	< 10	< 10	55	< 10	272
CL1370-200E	201	202	1235	4	< 0.01	39	1800	24	< 2	4	62	0.01	< 10	< 10	49	< 10	180
CL1370-300E	201	202	465	4	< 0.01	36	1520	16	< 2	3	36	0.02	< 10	< 10	66	< 10	88
CL1370-400E	201	202	555	5	< 0.01	48	1970	24	< 2	5	34	0.01	< 10	< 10	54	< 10	156
CL1370-500E	201	202	480	3	< 0.01	53	2080	18	2	6	32	0.01	< 10	< 10	65	< 10	110
CL1370-600E	201	202	120	3	0.05	5	360	< 2	< 2	< 1	40	0.01	< 10	< 10	9	< 10	10
CL1370-700E	201	202	380	2	< 0.01	37	1720	12	< 2	4	41	0.02	< 10	< 10	51	< 10	166
CL1370-800E	201	202	915	4	< 0.01	39	2120	22	< 2	4	60	< 0.01	< 10	< 10	42	< 10	164

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-01
Comments: ATTN: STEWART HARRIS

Page Number :2-A
Total Pages :7
Certificate Date: 16-SEP-1998
Invoice No. :I9830643
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9830643

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
CL1370-900E	201	202	< 5	1250	0.4	1.25	12	110	< 0.5	< 2	0.38	< 0.5	9	25	13	2.65	< 10	< 1	0.09	50	0.75
CL1370-1000E	201	202	< 5	1420	< 0.2	2.43	18	420	0.5	< 2	0.60	0.5	8	48	33	5.44	10	< 1	0.16	50	1.22
CL1370-1075E	201	202	< 5	440	< 0.2	0.75	48	170	1.0	< 2	1.73	1.5	11	7	11	>15.00	< 10	< 1	0.04	20	0.17
CL1370-1100E	201	202	< 5	360	< 0.2	0.43	28	180	1.5	< 2	8.36	0.5	11	1	4	>15.00	< 10	1	0.01	< 10	0.11
CL1370-1125E	201	202	< 5	300	< 0.2	0.36	76	170	2.0	< 2	1.76	1.5	15	1	< 1	>15.00	< 10	< 1	0.01	10	0.06
CL1370-1200E	201	202	< 5	1330	0.2	1.65	10	140	< 0.5	< 2	0.88	< 0.5	11	31	12	3.62	< 10	< 1	0.18	60	0.87
CL1370-1300E	201	202	< 5	1180	< 0.2	0.77	42	280	4.5	< 2	1.24	1.5	12	12	20	11.00	< 10	< 1	0.08	70	0.23
CL1370-1400E	201	202	< 5	1580	0.4	1.57	4	150	0.5	< 2	0.81	0.5	11	42	27	3.02	< 10	< 1	0.13	60	1.15
CL1370-1500E	201	202	< 5	1100	< 0.2	1.61	12	190	< 0.5	< 2	0.44	< 0.5	10	36	19	3.30	< 10	1	0.13	40	0.76
CL1370-1600E	201	202	< 5	900	< 0.2	1.40	12	160	< 0.5	< 2	1.26	< 0.5	6	22	20	2.72	< 10	1	0.11	30	0.48
CL1457-0S	201	202	< 5	1210	< 0.2	1.76	18	410	0.5	< 2	0.91	< 0.5	6	25	14	3.25	< 10	< 1	0.07	30	1.10
CL1457-100S	201	202	< 5	1180	< 0.2	0.56	16	210	0.5	< 2	9.12	< 0.5	6	14	12	1.63	< 10	1	0.02	10	5.64
CL1457-200S	201	202	< 5	790	< 0.2	2.00	14	160	0.5	< 2	1.48	< 0.5	5	23	13	4.08	< 10	< 1	0.09	30	1.99
CL1457-300S	201	202	< 5	1270	< 0.2	1.91	18	450	1.0	< 2	2.09	0.5	6	22	12	3.42	< 10	< 1	0.09	30	1.44
CL1457-400S	201	202	< 5	1220	< 0.2	1.40	14	180	0.5	< 2	3.21	< 0.5	4	17	11	2.57	< 10	< 1	0.08	40	2.41
CL1457-500S	201	202	< 5	1300	< 0.2	2.17	22	250	1.5	< 2	0.60	0.5	6	19	10	3.11	< 10	< 1	0.20	70	1.56
CL1457-600S	201	202	< 5	990	< 0.2	2.58	28	200	1.5	< 2	0.48	0.5	8	34	13	4.61	10	< 1	0.14	40	1.61
CL1457-700S	201	202	< 5	760	< 0.2	2.67	14	190	1.5	< 2	0.53	< 0.5	5	20	16	3.10	10	< 1	0.21	40	2.56
CL1457-800S	201	202	< 5	980	< 0.2	3.22	8	310	1.5	< 2	0.51	< 0.5	14	24	21	4.17	10	< 1	0.28	50	3.63
CL1457-900S	201	202	< 5	750	< 0.2	2.88	12	140	1.0	< 2	0.16	< 0.5	10	18	30	3.93	10	1	0.18	60	2.67
CL1457-1000S	201	202	< 5	970	< 0.2	2.60	14	190	0.5	< 2	0.71	0.5	8	24	19	3.25	10	< 1	0.17	40	2.53
CL1457-1100S	201	202	< 5	840	< 0.2	2.88	14	190	0.5	< 2	0.34	< 0.5	5	31	12	3.69	10	< 1	0.25	20	2.22
CL1457-1200S	201	202	< 5	660	< 0.2	1.66	6	150	0.5	< 2	0.33	< 0.5	4	14	8	1.74	< 10	< 1	0.05	30	0.68
CL1457-1300S	201	202	< 5	990	< 0.2	1.98	68	200	1.5	< 2	0.86	1.0	17	23	20	4.06	< 10	1	0.09	30	1.10
CL1457-1400S	201	202	< 5	430	< 0.2	2.52	24	60	1.5	< 2	0.19	1.5	94	53	160	9.45	10	< 1	0.06	30	1.55
CL1457-1500S	201	202	< 5	640	< 0.2	0.77	6	10	< 0.5	< 2	0.07	< 0.5	2	4	11	1.08	< 10	< 1	0.02	< 10	0.07
CL1457-1600S	201	202	< 5	1520	< 0.2	2.40	22	320	< 0.5	< 2	0.20	< 0.5	9	46	10	4.15	10	< 1	0.11	20	0.97
#1@ME ON CL1460	201	202	< 5	1320	< 0.2	1.07	16	160	1.0	< 2	0.19	2.0	5	24	11	3.68	< 10	< 1	0.23	150	0.11
CL1460-0E	201	202	< 5	1680	0.2	1.82	20	220	1.0	< 2	0.41	1.5	16	45	53	5.02	< 10	< 1	0.16	120	0.98
CL1460-100E	201	202	< 5	1450	< 0.2	2.64	14	180	< 0.5	< 2	0.40	< 0.5	42	35	77	7.26	10	< 1	0.20	50	1.29
CL1460-200E	201	202	< 5	1370	< 0.2	2.72	8	120	0.5	< 2	0.18	< 0.5	24	50	48	5.69	10	< 1	0.16	30	1.37
CL1460-300E	201	202	< 5	1570	< 0.2	1.60	8	140	< 0.5	< 2	0.03	< 0.5	8	30	27	3.62	< 10	< 1	0.14	20	0.62
CL1460-400E	201	202	< 5	1590	< 0.2	1.07	10	100	< 0.5	< 2	0.05	< 0.5	7	20	24	2.74	< 10	< 1	0.08	10	0.33
CL1460-500E	201	202	< 5	1170	0.2	2.32	10	150	< 0.5	< 2	0.26	< 0.5	22	93	49	4.39	10	< 1	0.08	10	1.70
CL1460-600E	201	202	< 5	1200	< 0.2	2.10	12	110	< 0.5	< 2	0.13	< 0.5	18	99	36	5.56	10	< 1	0.08	20	1.05
CL1460-700E	201	202	< 5	1200	< 0.2	1.32	12	180	< 0.5	< 2	0.33	< 0.5	10	46	27	2.69	< 10	< 1	0.08	20	0.81
CL1460-800E	201	202	< 5	680	< 0.2	3.03	2	230	0.5	< 2	0.96	< 0.5	20	173	38	4.68	10	< 1	0.11	30	2.39
CL1460-900E	201	202	< 5	610	0.2	1.55	6	60	< 0.5	< 2	0.09	< 0.5	7	60	12	2.19	< 10	< 1	0.08	10	0.65
CL1460-1000E	201	202	< 5	2400	0.4	1.87	22	220	0.5	< 2	0.94	0.5	20	95	61	4.09	< 10	< 1	0.18	40	1.52
CL1460-1100E	201	202	< 5	630	< 0.2	1.60	6	50	< 0.5	< 2	0.29	< 0.5	8	58	19	2.44	< 10	1	0.06	10	0.93

CERTIFICATION: Hawthichler.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-01
Comments: ATTN: STEWART HARRIS

Certificate Date: 16-SEP-1998
Invoice No. : I9830643
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9830643

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
CL1370-900E	201	202	425	5	0.01	21	1520	26	4	1	28	0.01	< 10	< 10	37	< 10	96
CL1370-1000E	201	202	220	4	< 0.01	43	1240	18	2	4	29	< 0.01	< 10	< 10	83	< 10	224
CL1370-1075E	201	202	5340	13	< 0.01	77	630	4	< 2	1	76	0.01	< 10	< 10	12	< 10	422
CL1370-1100E	201	202	7610	15	< 0.01	100	330	< 2	< 2	< 1	92	< 0.01	< 10	< 10	5	< 10	482
CL1370-1125E	201	202	>10000	34	< 0.01	156	150	6	< 2	1	43	< 0.01	< 10	10	4	< 10	588
CL1370-1200E	201	202	515	4	< 0.01	27	1510	12	4	4	49	0.03	< 10	< 10	42	< 10	142
CL1370-1300E	201	202	6870	13	< 0.01	113	1080	20	2	1	67	0.01	< 10	< 10	16	< 10	240
CL1370-1400E	201	202	270	3	< 0.01	45	1670	20	2	4	48	0.03	< 10	< 10	37	< 10	198
CL1370-1500E	201	202	475	< 1	< 0.01	31	990	10	< 2	3	26	0.05	< 10	< 10	40	< 10	74
CL1370-1600E	201	202	325	5	0.03	18	940	16	< 2	2	59	0.02	< 10	< 10	25	< 10	56
CL1457-0S	201	202	480	1	0.01	18	990	46	< 2	3	19	0.03	< 10	< 10	37	< 10	210
CL1457-100S	201	202	575	3	< 0.01	18	560	44	4	1	54	< 0.01	< 10	< 10	27	< 10	192
CL1457-200S	201	202	905	1	0.04	10	1100	18	< 2	3	21	0.01	< 10	< 10	31	< 10	86
CL1457-300S	201	202	925	2	< 0.01	17	1810	62	6	2	20	< 0.01	< 10	< 10	37	< 10	268
CL1457-400S	201	202	460	3	0.01	12	860	60	< 2	2	24	0.01	< 10	< 10	30	< 10	250
CL1457-500S	201	202	910	3	< 0.01	19	810	58	6	3	17	0.02	< 10	< 10	43	< 10	240
CL1457-600S	201	202	1105	4	< 0.01	26	990	36	< 2	3	15	0.03	< 10	< 10	86	< 10	238
CL1457-700S	201	202	220	1	0.01	15	650	10	2	2	16	0.05	< 10	< 10	43	< 10	78
CL1457-800S	201	202	440	1	< 0.01	25	640	104	< 2	1	20	0.06	< 10	< 10	38	< 10	248
CL1457-900S	201	202	305	3	< 0.01	21	740	12	2	1	12	0.04	< 10	< 10	40	< 10	94
CL1457-1000S	201	202	585	< 1	0.01	20	690	22	6	2	17	0.06	< 10	< 10	43	< 10	126
CL1457-1100S	201	202	205	3	< 0.01	25	470	14	2	1	16	0.06	< 10	< 10	99	< 10	134
CL1457-1200S	201	202	735	5	0.03	10	1610	6	2	< 1	16	0.02	< 10	< 10	47	< 10	58
CL1457-1300S	201	202	975	10	< 0.01	31	1060	54	< 2	2	24	0.04	< 10	< 10	61	< 10	380
CL1457-1400S	201	202	1225	59	< 0.01	196	1250	50	< 2	5	10	0.08	< 10	< 10	185	< 10	368
CL1457-1500S	201	202	35	< 1	0.05	4	420	< 2	4	< 1	6	0.04	< 10	< 10	24	< 10	12
CL1457-1600S	201	202	350	3	< 0.01	31	500	70	2	3	9	0.01	< 10	< 10	119	< 10	274
#1@OME ON CL1460	201	202	1490	9	< 0.01	20	490	22	< 2	1	30	< 0.01	< 10	< 10	8	< 10	230
CL1460-0E	201	202	1085	7	< 0.01	59	1390	44	< 2	6	60	< 0.01	< 10	< 10	35	< 10	232
CL1460-100E	201	202	1370	3	< 0.01	60	2000	26	2	7	20	< 0.01	< 10	< 10	57	< 10	136
CL1460-200E	201	202	930	4	< 0.01	55	1490	18	< 2	4	15	< 0.01	< 10	< 10	62	< 10	134
CL1460-300E	201	202	235	4	< 0.01	30	1030	24	2	2	54	< 0.01	< 10	< 10	52	< 10	130
CL1460-400E	201	202	240	11	< 0.01	35	1120	12	2	< 1	8	< 0.01	< 10	< 10	53	< 10	88
CL1460-500E	201	202	655	9	< 0.01	89	1200	6	6	5	13	0.05	< 10	< 10	89	< 10	114
CL1460-600E	201	202	500	17	< 0.01	83	1120	22	< 2	4	8	0.09	< 10	< 10	143	< 10	98
CL1460-700E	201	202	250	10	0.02	53	670	6	2	3	16	0.07	< 10	< 10	67	< 10	96
CL1460-800E	201	202	545	1	< 0.01	99	680	6	< 2	7	33	0.34	< 10	< 10	82	< 10	90
CL1460-900E	201	202	310	< 1	0.03	24	650	8	2	1	8	0.10	< 10	< 10	40	< 10	34
CL1460-1000E	201	202	510	12	< 0.01	90	1570	28	< 2	6	34	0.12	< 10	< 10	78	< 10	152
CL1460-1100E	201	202	305	1	0.02	34	550	6	< 2	2	19	0.15	< 10	< 10	40	< 10	42

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

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CERTIFICATE OF ANALYSIS A9830643

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
CL1460-1200E	201	202	< 5	520	< 0.2	1.98	< 2	90	< 0.5	< 2	0.29	< 0.5	10	57	16	3.24	< 10	< 1	0.06	10	1.07
CL1460-1300E	201	202	< 5	510	< 0.2	3.15	< 2	120	< 0.5	< 2	0.63	< 0.5	18	105	29	5.17	10	< 1	0.15	20	1.74
CL1460-1400E	201	202	< 5	570	< 0.2	2.46	4	100	0.5	< 2	1.28	< 0.5	15	87	36	3.29	10	< 1	0.09	10	1.47
CL1460-1500E	201	202	< 5	410	< 0.2	2.70	< 2	120	< 0.5	< 2	0.39	0.5	12	104	18	4.16	10	< 1	0.10	20	1.89
CL1460-1600E	201	202	< 5	340	< 0.2	2.75	6	110	< 0.5	< 2	0.39	< 0.5	6	37	10	3.18	10	1	0.11	20	1.39
CL1500-0S	201	202	< 5	1630	< 0.2	1.56	6	260	0.5	< 2	0.41	< 0.5	5	26	11	3.20	< 10	1	0.06	150	0.43
CL1500-100S	201	202	< 5	1810	< 0.2	1.03	22	610	0.5	2	0.30	1.5	9	18	26	5.25	< 10	< 1	0.08	140	0.30
CL1500-200S	201	202	< 5	2220	< 0.2	1.22	26	520	0.5	< 2	0.30	2.0	19	28	36	5.35	< 10	< 1	0.10	140	0.37
CL1500-300S	201	202	< 5	1670	< 0.2	1.64	6	310	0.5	< 2	0.23	0.5	9	40	13	3.96	< 10	< 1	0.07	70	0.36
CL1500-400S	201	202	< 5	770	< 0.2	1.05	2	90	< 0.5	< 2	0.38	< 0.5	1	1	4	1.36	< 10	< 1	0.01	< 10	0.06
CL1500-500S	201	202	< 5	1190	< 0.2	0.45	< 2	360	< 0.5	< 2	0.94	0.5	1	7	12	0.25	< 10	< 1	0.01	< 10	0.05
CL1500-600S	201	202	< 5	740	< 0.2	0.89	2	210	< 0.5	< 2	0.88	0.5	2	4	8	1.31	< 10	< 1	0.03	< 10	0.08
CL1500-700S	201	202	< 5	1860	< 0.2	1.40	8	700	0.5	< 2	0.93	< 0.5	16	24	25	3.93	< 10	< 1	0.11	60	0.35
CL1500-800S	201	202	< 5	1660	< 0.2	1.31	12	540	0.5	< 2	0.47	1.5	21	21	35	5.04	< 10	< 1	0.09	110	0.31
CL1500-900S	201	202	< 5	1440	< 0.2	1.30	20	250	0.5	< 2	0.14	0.5	9	26	22	3.75	< 10	< 1	0.07	90	0.32
CL1500-1000S	201	202	< 5	1700	< 0.2	1.09	12	300	0.5	< 2	0.29	0.5	17	31	36	5.27	< 10	< 1	0.07	190	0.38
CL1500-1100S	201	202	< 5	1270	< 0.2	1.48	4	120	0.5	< 2	0.19	< 0.5	9	41	18	4.60	< 10	< 1	0.07	160	0.51
CL1500-1200S	201	202	< 5	1870	< 0.2	1.20	26	360	0.5	< 2	2.94	< 0.5	16	50	35	5.35	< 10	< 1	0.14	180	0.82
CL1500-1300S	201	202	< 5	1320	< 0.2	1.47	16	320	0.5	< 2	1.43	0.5	12	39	22	4.80	< 10	1	0.10	90	0.52
CL1500-1400S	201	202	< 5	1130	< 0.2	1.04	12	130	< 0.5	< 2	0.45	< 0.5	11	33	16	3.45	< 10	< 1	0.08	80	0.50
CL1500-1500S	201	202	< 5	1310	< 0.2	1.88	10	340	0.5	< 2	1.00	< 0.5	13	69	19	4.44	< 10	< 1	0.09	90	0.99
CL1500-1600S	201	202	< 5	810	< 0.2	0.46	10	80	< 0.5	< 2	0.43	< 0.5	1	3	3	0.38	< 10	< 1	0.03	< 10	0.07
CL1500-1700S	201	202	< 5	1680	< 0.2	1.07	12	460	< 0.5	< 2	1.11	2.0	10	32	21	3.55	< 10	2	0.09	90	0.47
CL1500-1800S	201	202	< 5	1250	< 0.2	1.35	4	480	0.5	< 2	1.13	0.5	10	25	14	3.19	< 10	< 1	0.06	60	0.30
CL1500-1900S	201	202	< 5	1500	0.2	1.01	< 2	360	< 0.5	< 2	1.16	2.0	8	15	25	2.57	< 10	< 1	0.04	40	0.21
CL1501-0S	201	202	< 5	1740	< 0.2	1.35	12	470	0.5	< 2	0.59	1.0	10	28	23	2.84	< 10	< 1	0.08	100	0.43
CL1501-50S	201	202	< 5	1250	< 0.2	1.63	22	150	0.5	< 2	0.12	1.5	12	26	24	4.57	< 10	1	0.09	100	0.53
CL1501-100S	201	202	< 5	2200	< 0.2	1.38	8	460	0.5	2	0.18	1.0	14	42	18	4.14	< 10	< 1	0.09	80	0.37
CL1501-150S	201	202	< 5	1530	< 0.2	1.40	2	200	0.5	< 2	0.14	< 0.5	6	21	13	2.57	< 10	< 1	0.07	80	0.31
CL1501-200S	201	202	< 5	1850	< 0.2	1.20	14	450	0.5	< 2	0.32	0.5	11	27	22	4.41	< 10	1	0.06	130	0.34
CL1501-250S	201	202	< 5	2390	< 0.2	1.90	8	810	0.5	2	0.59	0.5	19	53	34	4.56	< 10	5	0.05	50	0.51
CL1501-300S	201	202	< 5	920	< 0.2	0.95	2	150	< 0.5	< 2	0.36	< 0.5	1	5	8	0.99	< 10	< 1	0.02	< 10	0.09
CL1501-350S	201	202	< 5	3580	< 0.2	1.95	16	880	0.5	< 2	0.55	1.5	20	73	25	3.99	< 10	< 1	0.07	60	0.60
CL1501-400S	201	202	< 5	5040	< 0.2	2.03	14	940	0.5	< 2	0.87	0.5	31	85	63	4.35	< 10	< 1	0.07	70	0.93
CL1501-450S	201	202	< 5	4440	< 0.2	2.08	18	320	0.5	< 2	0.68	< 0.5	21	105	40	4.48	10	< 1	0.08	90	1.47
CL1501-500S	201	202	< 5	1670	< 0.2	1.04	< 2	550	< 0.5	< 2	0.43	< 0.5	3	10	6	0.80	< 10	< 1	0.03	10	0.14
CL1501-550S	201	202	< 5	1360	< 0.2	1.65	24	1550	0.5	< 2	0.81	0.5	26	66	56	6.26	< 10	< 1	0.09	110	0.80
CL1501-600S	201	202	< 5	5790	< 0.2	1.69	14	250	0.5	< 2	0.18	< 0.5	19	81	17	4.47	< 10	< 1	0.07	50	0.71
CL1501-650S	201	202	< 5	1550	< 0.2	1.64	6	570	< 0.5	< 2	0.84	< 0.5	9	43	12	2.73	< 10	< 1	0.05	40	0.67
CL1503B-2400E	201	202	< 5	1370	4.4	1.16	20	2430	< 0.5	< 2	0.63	0.5	9	15	76	3.41	< 10	< 1	0.10	30	0.15

CERTIFICATION: Hawthwhite

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-01
Comments: ATTN: STEWART HARRIS

Certificate Date: 16-SEP-1998
Invoice No. :I9830643
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9830643

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
CL1460-1200E	201	202	430	1	< 0.01	35	500	8	6	2	20	0.13	< 10	< 10	51	< 10	66
CL1460-1300E	201	202	925	< 1	< 0.01	64	690	8	< 2	4	26	0.16	< 10	< 10	69	< 10	106
CL1460-1400E	201	202	485	3	0.01	53	1070	18	< 2	5	55	0.16	< 10	< 10	52	< 10	164
CL1460-1500E	201	202	420	1	< 0.01	55	610	6	< 2	4	19	0.22	< 10	< 10	62	< 10	94
CL1460-1600E	201	202	300	< 1	< 0.01	19	360	14	< 2	1	22	0.05	< 10	< 10	31	< 10	84
CL1500-0S	201	202	385	6	0.01	23	870	2	2	1	25	< 0.01	< 10	< 10	12	< 10	84
CL1500-100S	201	202	990	11	< 0.01	27	720	52	< 2	2	32	< 0.01	< 10	< 10	12	< 10	280
CL1500-200S	201	202	1850	13	< 0.01	55	870	48	< 2	4	27	0.01	< 10	< 10	18	< 10	428
CL1500-300S	201	202	1025	9	0.01	32	1180	14	< 2	2	17	0.01	< 10	< 10	22	< 10	134
CL1500-400S	201	202	40	4	0.08	3	540	< 2	2	< 1	19	0.04	< 10	< 10	13	< 10	22
CL1500-500S	201	202	60	3	0.01	4	470	4	2	2	45	0.01	< 10	< 10	5	< 10	10
CL1500-600S	201	202	285	< 1	0.05	5	840	< 2	2	< 1	61	0.05	< 10	< 10	23	< 10	46
CL1500-700S	201	202	620	6	< 0.01	24	970	24	< 2	5	43	0.01	< 10	< 10	24	< 10	120
CL1500-800S	201	202	985	8	< 0.01	27	530	26	< 2	6	26	0.01	< 10	< 10	17	< 10	212
CL1500-900S	201	202	495	5	< 0.01	22	770	24	6	3	16	0.02	< 10	< 10	25	< 10	140
CL1500-1000S	201	202	990	7	< 0.01	36	910	30	2	5	25	0.07	< 10	< 10	25	< 10	222
CL1500-1100S	201	202	755	8	< 0.01	25	770	24	< 2	4	25	0.08	< 10	< 10	36	< 10	94
CL1500-1200S	201	202	1615	9	< 0.01	41	970	42	< 2	4	51	0.06	< 10	< 10	26	< 10	108
CL1500-1300S	201	202	1035	5	0.01	27	1650	40	< 2	3	70	0.06	< 10	< 10	25	< 10	118
CL1500-1400S	201	202	665	4	< 0.01	27	940	16	2	3	32	0.09	< 10	< 10	32	< 10	84
CL1500-1500S	201	202	865	4	0.01	43	1170	24	< 2	4	54	0.11	< 10	< 10	38	< 10	160
CL1500-1600S	201	202	55	< 1	0.09	2	400	< 2	2	< 1	18	0.01	< 10	< 10	8	< 10	12
CL1500-1700S	201	202	650	5	< 0.01	29	1080	20	2	3	49	0.05	< 10	< 10	22	< 10	182
CL1500-1800S	201	202	790	6	0.01	18	1430	18	4	2	52	0.01	< 10	< 10	24	< 10	126
CL1500-1900S	201	202	370	5	0.03	25	1100	22	2	1	42	0.01	< 10	< 10	15	< 10	134
CL1501-0S	201	202	180	4	< 0.01	35	990	32	< 2	3	34	0.01	< 10	< 10	17	< 10	180
CL1501-50S	201	202	1135	7	< 0.01	28	840	32	< 2	1	18	0.01	< 10	< 10	27	< 10	204
CL1501-100S	201	202	815	6	0.01	51	1130	26	4	3	16	< 0.01	< 10	< 10	20	< 10	240
CL1501-150S	201	202	320	5	0.02	21	850	12	< 2	< 1	13	< 0.01	< 10	< 10	16	< 10	116
CL1501-200S	201	202	780	9	< 0.01	36	740	28	2	4	27	0.01	< 10	< 10	14	< 10	184
CL1501-250S	201	202	340	16	0.03	57	930	14	2	4	36	0.03	< 10	< 10	23	< 10	102
CL1501-300S	201	202	85	4	0.09	6	510	< 2	< 2	< 1	41	0.03	< 10	< 10	13	< 10	18
CL1501-350S	201	202	935	4	< 0.01	64	1530	24	2	4	41	0.02	< 10	< 10	33	< 10	212
CL1501-400S	201	202	1435	4	< 0.01	97	1290	34	4	9	60	0.04	< 10	< 10	37	< 10	156
CL1501-450S	201	202	780	5	< 0.01	73	1040	16	< 2	6	44	0.18	< 10	< 10	58	< 10	128
CL1501-500S	201	202	125	1	0.07	7	470	< 2	< 2	< 1	28	0.04	< 10	< 10	15	< 10	18
CL1501-550S	201	202	850	10	< 0.01	75	1480	64	2	8	62	0.09	< 10	< 10	36	< 10	206
CL1501-600S	201	202	1095	4	< 0.01	43	970	24	2	4	25	0.12	< 10	< 10	53	< 10	104
CL1501-650S	201	202	355	3	0.02	28	1180	10	4	4	44	0.11	< 10	< 10	38	< 10	82
CL1503B-2400E	201	202	310	8	< 0.01	67	1240	22	2	4	76	< 0.01	< 10	< 10	23	< 10	256

CERTIFICATION: Ian Fiddler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-01
Comments: ATTN: STEWART HARRIS

Page Number :4-A
Total Pages :7
Certificate Date: 16-SEP-1998
Invoice No. :19830643
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9830643

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
CL1503B-2500E	201	202	< 5	2850	3.6	0.66	24	560	< 0.5	< 2	0.18	0.5	10	13	56	3.49	< 10	1	0.12	10	0.15
CL1503B-2618E	201	202	< 5	2430	0.2	0.96	24	520	< 0.5	2	0.12	0.5	12	17	39	3.65	< 10	< 1	0.10	20	0.27
CL1503B-2700E	201	202	< 5	1050	< 0.2	1.47	44	500	< 0.5	< 2	0.10	< 0.5	41	25	37	3.51	< 10	< 1	0.10	20	0.14
CL1503B-2800E	201	202	< 5	1820	< 0.2	1.02	870	210	< 0.5	< 2	< 0.01	< 0.5	19	13	253	4.60	< 10	< 1	0.13	40	0.12
CL1503B-2900E	201	202	< 5	1010	< 0.2	0.74	164	200	< 0.5	< 2	0.03	< 0.5	17	8	122	3.51	< 10	< 1	0.08	10	0.05
CL1503B-3000E	201	202	< 5	910	< 0.2	0.62	14	110	< 0.5	< 2	0.01	< 0.5	5	5	34	1.46	< 10	< 1	0.05	10	0.04
CL1503B-3100E	201	202	< 5	1930	< 0.2	0.97	18	470	< 0.5	< 2	0.14	1.0	29	9	89	3.71	< 10	< 1	0.10	40	0.13
CL1503B-3200E	201	202	< 5	1100	< 0.2	0.97	178	180	< 0.5	< 2	0.03	0.5	39	11	220	4.39	< 10	< 1	0.08	10	0.10
CL1524-2000E	201	202	< 5	8730	< 0.2	0.84	12	930	< 0.5	< 2	0.15	0.5	4	9	12	5.44	< 10	< 1	0.05	80	0.12
CL1524-2100E	201	202	< 5	7530	< 0.2	0.74	22	1170	< 0.5	< 2	0.04	< 0.5	6	9	14	3.69	< 10	< 1	0.06	50	0.07
CL1524-2200E	201	202	< 5	2930	0.6	0.57	26	140	< 0.5	< 2	0.04	< 0.5	10	8	32	2.86	< 10	< 1	0.05	20	0.11
CL1524-2300E	201	202	< 5	2360	1.2	0.48	50	260	< 0.5	< 2	0.16	0.5	10	11	42	2.42	< 10	< 1	0.09	10	0.15
CL1524-2400E	201	202	< 5	1710	0.2	0.66	22	390	< 0.5	2	0.20	< 0.5	3	15	14	1.47	< 10	< 1	0.10	10	0.15
CL1524-2500E	201	202	< 5	1350	0.4	1.33	18	430	0.5	< 2	0.55	0.5	15	25	50	3.37	< 10	< 1	0.13	30	0.55
CL1524-2600E	201	202	< 5	6660	0.2	0.63	26	450	< 0.5	< 2	0.08	1.0	2	2	7	4.02	< 10	1	0.29	50	0.05
CL1524-2700E	201	202	< 5	1330	< 0.2	0.55	8	270	< 0.5	< 2	0.20	< 0.5	1	3	4	0.80	< 10	< 1	0.04	< 10	0.07
CL1524-2800E	201	202	< 5	2730	0.2	1.08	32	190	< 0.5	2	0.05	< 0.5	7	15	22	2.98	< 10	< 1	0.08	40	0.11
CL1524-2900E	201	202	< 5	2240	0.4	0.42	2	190	< 0.5	< 2	0.39	2.0	3	5	16	2.64	< 10	< 1	0.13	30	0.06
CL1524-3000E	201	202	< 5	2180	< 0.2	0.39	< 2	290	< 0.5	< 2	0.21	< 0.5	4	3	7	1.21	< 10	< 1	0.04	10	0.06
CL1524-3100E	201	202	< 5	2440	0.2	0.35	12	210	< 0.5	< 2	0.32	< 0.5	11	6	20	1.71	< 10	< 1	0.09	< 10	0.04
CL1524-3200E	201	202	< 5	2430	0.2	0.44	6	80	< 0.5	< 2	0.04	< 0.5	6	8	22	2.06	< 10	< 1	0.06	< 10	0.06
CL1524-3300E	201	202	< 5	2300	0.2	0.81	18	190	< 0.5	2	0.25	< 0.5	5	13	20	1.99	< 10	< 1	0.07	10	0.23
CL1524-3400E	201	202	< 5	2680	0.2	0.65	6	240	< 0.5	< 2	0.36	< 0.5	7	9	24	1.86	< 10	< 1	0.06	10	0.23
CL1524-3500E	201	202	< 5	1130	0.6	0.50	10	50	< 0.5	< 2	0.02	< 0.5	4	4	14	1.11	< 10	< 1	0.04	< 10	0.09
CL1524-3600E	201	202	< 5	3170	0.4	0.53	12	340	< 0.5	< 2	0.19	< 0.5	3	7	19	1.49	< 10	< 1	0.06	10	0.12
CL1524-3700E	201	202	< 5	3180	0.2	0.52	8	490	< 0.5	< 2	0.60	2.5	10	7	40	2.37	< 10	< 1	0.09	< 10	0.12
CL1570-0SE	201	202	< 5	4130	0.6	0.83	16	1370	< 0.5	< 2	0.13	0.5	14	21	53	3.63	< 10	< 1	0.10	30	0.24
CL1570-100SE	201	202	< 5	1190	0.6	1.20	44	310	0.5	< 2	0.05	0.5	11	41	29	4.03	< 10	< 1	0.09	10	0.19
CL1570-200SE	201	202	< 5	870	< 0.2	2.66	< 2	240	< 0.5	< 2	0.47	0.5	18	139	56	6.64	10	< 1	0.04	< 10	1.67
CL1570-300SE	201	202	< 5	640	< 0.2	0.78	6	160	< 0.5	< 2	0.19	< 0.5	9	57	27	3.71	< 10	< 1	0.05	< 10	0.26
CL1570-400SE	201	202	< 5	1140	< 0.2	1.55	12	180	< 0.5	< 2	0.11	0.5	12	124	28	5.09	10	< 1	0.09	10	0.78
CL1570-500SE	201	202	< 5	1380	< 0.2	0.55	4	500	< 0.5	< 2	0.01	< 0.5	5	8	18	1.30	< 10	< 1	0.05	< 10	0.05
CL1570-600SE	201	202	< 5	1530	0.2	1.37	12	240	0.5	< 2	0.04	1.5	7	11	17	4.56	< 10	< 1	0.03	40	0.17
CL1570-700SE	201	202	< 5	820	1.2	0.39	< 2	60	< 0.5	< 2	0.04	< 0.5	1	4	5	0.81	< 10	< 1	0.03	< 10	0.04
CL1570-800SE	201	202	< 5	2200	0.6	0.40	38	160	< 0.5	< 2	< 0.01	0.5	4	6	26	2.34	< 10	< 1	0.09	40	0.02
CL1570-900SE	201	202	< 5	4370	0.6	0.49	42	270	< 0.5	< 2	< 0.01	< 0.5	15	11	66	4.37	< 10	< 1	0.09	10	0.03
CL1570-1000SE	201	202	< 5	3740	1.4	0.70	24	820	< 0.5	< 2	0.01	< 0.5	9	13	47	2.71	< 10	< 1	0.12	10	0.14
CL1570-1100SE	201	202	< 5	2980	1.2	0.55	10	530	< 0.5	< 2	0.01	< 0.5	15	8	84	4.72	< 10	< 1	0.09	10	0.04
CL1570-1200SE	201	202	< 5	850	0.2	0.66	14	60	< 0.5	2	0.06	< 0.5	1	4	5	1.07	< 10	< 1	0.04	< 10	0.05
CL1570-1300SE	201	202	< 5	1530	< 0.2	1.20	12	240	< 0.5	< 2	0.02	< 0.5	5	14	13	7.59	< 10	< 1	0.07	60	0.20

CERTIFICATION: Hart Fuchlen

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CERTIFICATE OF ANALYSIS A9830643

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
CL1503B-2500E	201	202	180	8	< 0.01	70	1040	14	2	4	61	< 0.01	< 10	< 10	12	< 10	274
CL1503B-2618E	201	202	320	6	< 0.01	47	590	26	2	1	25	< 0.01	< 10	< 10	26	< 10	242
CL1503B-2700E	201	202	4230	4	< 0.01	34	990	20	10	3	14	0.01	< 10	< 10	32	< 10	148
CL1503B-2800E	201	202	1040	6	< 0.01	58	400	58	8	4	24	< 0.01	< 10	< 10	13	< 10	222
CL1503B-2900E	201	202	1840	1	< 0.01	44	1130	46	8	< 1	8	< 0.01	< 10	< 10	17	< 10	158
CL1503B-3000E	201	202	435	2	0.04	13	520	10	< 2	< 1	8	< 0.01	< 10	< 10	16	< 10	54
CL1503B-3100E	201	202	3290	8	< 0.01	56	640	42	2	4	20	< 0.01	< 10	< 10	12	< 10	168
CL1503B-3200E	201	202	3270	1	< 0.01	44	1270	28	6	3	14	< 0.01	< 10	< 10	12	< 10	224
CL1524-2000E	201	202	780	10	< 0.01	22	570	52	2	3	23	< 0.01	< 10	< 10	19	< 10	228
CL1524-2100E	201	202	740	10	< 0.01	20	1030	30	< 2	< 1	18	< 0.01	< 10	< 10	31	< 10	226
CL1524-2200E	201	202	295	4	< 0.01	25	750	18	2	< 1	17	< 0.01	< 10	< 10	17	< 10	106
CL1524-2300E	201	202	360	5	< 0.01	49	990	10	8	< 1	25	< 0.01	< 10	< 10	14	< 10	188
CL1524-2400E	201	202	145	4	0.03	17	1020	8	2	< 1	25	< 0.01	< 10	< 10	25	< 10	86
CL1524-2500E	201	202	195	12	0.01	47	990	26	2	4	50	< 0.01	< 10	< 10	29	< 10	212
CL1524-2600E	201	202	170	12	0.02	16	800	94	2	1	90	< 0.01	< 10	< 10	21	< 10	246
CL1524-2700E	201	202	40	1	0.05	3	960	2	< 2	< 1	20	< 0.01	< 10	< 10	14	< 10	16
CL1524-2800E	201	202	300	6	< 0.01	22	610	18	< 2	1	17	0.01	< 10	< 10	34	< 10	106
CL1524-2900E	201	202	60	7	< 0.01	13	1800	38	6	2	68	< 0.01	< 10	< 10	17	< 10	202
CL1524-3000E	201	202	130	3	0.06	10	530	6	2	1	45	0.01	< 10	< 10	14	< 10	64
CL1524-3100E	201	202	125	3	< 0.01	18	1020	18	2	2	101	< 0.01	< 10	< 10	23	< 10	84
CL1524-3200E	201	202	50	4	< 0.01	23	1410	12	< 2	< 1	23	< 0.01	< 10	< 10	28	< 10	166
CL1524-3300E	201	202	125	3	< 0.01	23	790	14	2	< 1	67	< 0.01	< 10	< 10	27	< 10	124
CL1524-3400E	201	202	80	3	< 0.01	32	780	14	< 2	1	83	< 0.01	< 10	< 10	26	< 10	170
CL1524-3500E	201	202	140	1	0.05	11	560	10	4	< 1	11	< 0.01	< 10	< 10	18	< 10	48
CL1524-3600E	201	202	45	3	< 0.01	21	750	18	2	1	61	< 0.01	< 10	< 10	26	< 10	62
CL1524-3700E	201	202	1005	4	< 0.01	58	1230	40	< 2	1	87	< 0.01	< 10	< 10	25	< 10	212
CL1570-0SE	201	202	760	5	< 0.01	53	680	14	2	4	17	0.01	< 10	< 10	27	< 10	170
CL1570-100SE	201	202	640	17	< 0.01	55	1410	32	8	< 1	16	< 0.01	< 10	< 10	119	< 10	438
CL1570-200SE	201	202	700	4	< 0.01	74	600	8	< 2	4	24	0.63	< 10	< 10	163	< 10	112
CL1570-300SE	201	202	1000	5	< 0.01	22	1130	10	< 2	1	15	0.32	< 10	< 10	125	< 10	64
CL1570-400SE	201	202	945	6	< 0.01	49	1350	18	< 2	1	12	0.08	< 10	< 10	93	< 10	148
CL1570-500SE	201	202	1745	1	0.05	10	450	12	2	< 1	6	< 0.01	< 10	< 10	21	< 10	44
CL1570-600SE	201	202	1350	11	< 0.01	31	560	18	< 2	< 1	11	< 0.01	< 10	< 10	20	< 10	232
CL1570-700SE	201	202	30	1	0.06	2	270	2	< 2	< 1	5	0.03	< 10	< 10	22	< 10	14
CL1570-800SE	201	202	80	25	< 0.01	55	570	22	8	< 1	24	< 0.01	< 10	< 10	70	< 10	386
CL1570-900SE	201	202	270	7	< 0.01	86	540	14	12	3	10	< 0.01	< 10	< 10	43	< 10	222
CL1570-1000SE	201	202	275	3	< 0.01	45	570	12	4	2	19	< 0.01	< 10	< 10	30	< 10	130
CL1570-1100SE	201	202	335	5	< 0.01	81	590	16	8	3	13	< 0.01	< 10	< 10	27	< 10	300
CL1570-1200SE	201	202	510	2	0.06	4	360	< 2	< 2	< 1	6	0.01	< 10	< 10	15	< 10	28
CL1570-1300SE	201	202	5120	8	< 0.01	15	780	20	< 2	1	11	0.01	< 10	< 10	25	< 10	166

CERTIFICATION: Hawthickler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-01
Comments: ATTN: STEWART HARRIS

Certificate Date: 16-SEP-1998
Invoice No. : I9830643
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9830643

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
CL1570-1400SE	201	202	< 5	1100	< 0.2	0.66	18	150	< 0.5	< 2	0.06	0.5	3	5	8	3.16	< 10	< 1	0.05	10	0.08
CL1570-1500SE	201	202	< 5	1050	< 0.2	1.00	12	160	< 0.5	< 2	0.08	2.0	4	15	9	1.95	< 10	< 1	0.06	30	0.15
CL1570-1600SE	201	202	< 5	4570	< 0.2	1.22	24	1870	< 0.5	< 2	0.01	< 0.5	< 1	1	7	3.53	< 10	< 1	0.01	40	0.10
CL1570-1700SE	201	202	< 5	2380	0.8	1.45	40	330	1.5	< 2	0.06	11.5	4	6	19	7.80	< 10	< 1	0.04	10	0.13
CL1570-1800SE	201	202	< 5	1570	< 0.2	1.20	14	100	< 0.5	< 2	0.02	0.5	1	8	10	6.30	< 10	< 1	0.03	40	0.11
CL1570-1900SE	201	202	490	410	< 0.2	1.35	12	130	0.5	< 2	0.17	< 0.5	4	2	16	7.06	< 10	< 1	0.02	10	0.11
CL1570-2000SE	201	202	10	2250	0.2	0.52	8	230	< 0.5	< 2	0.01	< 0.5	3	6	21	2.24	< 10	< 1	0.13	50	0.02
CL1570-2100SE	201	202	< 5	1610	< 0.2	0.94	14	220	1.0	< 2	1.73	4.5	9	23	7	4.01	< 10	< 1	0.03	20	0.78
CL1570-2200SE	201	202	< 5	1900	< 0.2	1.20	4	180	0.5	< 2	0.20	2.0	3	6	10	6.06	< 10	< 1	0.07	90	0.34
CL1570-2300SE	201	202	< 5	1210	< 0.2	1.32	14	210	0.5	< 2	0.12	1.5	6	30	15	4.79	< 10	< 1	0.08	30	0.33
CL1570-2400SE	201	202	< 5	1840	< 0.2	1.42	16	150	0.5	< 2	0.27	< 0.5	3	8	8	4.19	< 10	< 1	0.04	140	0.41
CL1570-2500SE	201	202	< 5	1720	< 0.2	1.74	42	280	1.5	< 2	0.35	6.5	4	2	10	7.44	< 10	< 1	0.06	180	0.33
CL1570-2600SE	201	202	< 5	1250	< 0.2	2.29	10	290	1.5	< 2	0.67	2.5	1	1	4	7.39	10	< 1	0.09	190	0.47
CL1570-2700SE	201	202	< 5	3380	0.2	1.27	8	250	0.5	< 2	0.15	1.5	5	9	21	4.50	< 10	< 1	0.06	120	0.33
CL1570-2800SE	201	202	< 5	1550	< 0.2	1.24	12	350	0.5	< 2	0.03	< 0.5	2	9	13	4.16	< 10	< 1	0.05	70	0.13
CL1570-2900SE	201	202	< 5	1680	0.8	0.88	18	170	0.5	< 2	0.04	2.0	9	10	27	5.31	< 10	< 1	0.08	50	0.16
CL1570-3000SE	201	202	< 5	960	0.2	0.53	8	60	< 0.5	< 2	0.02	< 0.5	< 1	3	9	1.26	< 10	< 1	0.04	10	0.04
CL1570-3100SE	201	202	< 5	1720	< 0.2	0.70	24	130	< 0.5	< 2	0.03	0.5	3	7	16	3.89	< 10	1	0.05	40	0.05
CL1570-3200SE	201	202	< 5	800	0.6	0.90	4	140	< 0.5	< 2	0.24	< 0.5	2	4	4	0.87	< 10	< 1	0.03	< 10	0.06
CL1570-3300SE	201	202	< 5	1370	< 0.2	1.30	12	290	< 0.5	< 2	0.03	< 0.5	6	18	18	3.74	< 10	< 1	0.06	40	0.10
CL1570-3400SE	201	202	< 5	2830	0.8	1.09	6	1130	0.5	< 2	0.32	1.5	15	20	39	3.81	< 10	< 1	0.13	10	0.12
CL1570-3500SE	201	202	< 5	2660	0.6	0.94	8	740	< 0.5	2	0.26	1.5	8	16	29	3.22	< 10	< 1	0.14	10	0.08
CL1601-0E	201	202	< 5	610	< 0.2	0.46	38	100	1.5	< 2	0.12	0.5	63	8	130	6.31	< 10	< 1	0.17	60	0.04
CL1601-100E	201	202	< 5	680	0.2	0.40	24	80	0.5	< 2	0.11	< 0.5	1	3	9	3.60	< 10	< 1	0.11	120	0.05
CL1601-200E	201	202	< 5	820	< 0.2	0.64	16	220	0.5	< 2	0.04	< 0.5	1	5	11	6.17	< 10	< 1	0.16	210	0.05
CL1601-300E	201	202	< 5	780	< 0.2	0.78	42	130	0.5	< 2	0.05	< 0.5	< 1	8	10	5.93	< 10	< 1	0.15	120	0.05
CL1601-400E	201	202	< 5	1580	< 0.2	0.74	12	160	< 0.5	< 2	0.02	< 0.5	4	8	11	4.06	< 10	< 1	0.13	50	0.07
CL1601-500E	201	202	< 5	2270	0.4	0.38	22	260	0.5	< 2	0.16	0.5	8	5	32	2.38	< 10	< 1	0.14	30	0.02
CL1601-600E	201	202	< 5	2550	0.6	2.24	14	240	< 0.5	< 2	2.00	3.0	16	41	50	4.22	< 10	< 1	0.19	40	1.68
CL1601-700E	201	202	< 5	1270	< 0.2	1.88	8	370	< 0.5	< 2	0.18	0.5	14	28	40	4.44	< 10	< 1	0.16	10	0.40
CL1601-800E	201	202	15	1040	< 0.2	1.57	6	320	< 0.5	< 2	0.20	< 0.5	11	19	18	3.28	< 10	< 1	0.11	20	0.30
CL1601-900E	201	202	< 5	2030	0.2	0.76	10	390	0.5	< 2	0.45	3.0	6	10	16	2.32	< 10	< 1	0.14	30	0.11
CL1601-1000E	201	202	< 5	790	< 0.2	1.03	6	90	< 0.5	< 2	0.23	< 0.5	1	13	6	0.97	< 10	< 1	0.03	< 10	0.25
CL1601-1100E	201	202	< 5	1250	0.2	0.98	14	130	< 0.5	< 2	0.22	< 0.5	8	20	28	2.00	< 10	< 1	0.07	10	0.45
CL1601-1200E	201	202	< 5	1170	1.2	0.56	30	130	< 0.5	< 2	0.33	< 0.5	16	16	71	4.99	< 10	< 1	0.16	40	0.21
CL1601-1300E	201	202	< 5	7730	0.8	1.06	32	770	< 0.5	< 2	1.00	< 0.5	18	34	71	3.99	< 10	< 1	0.13	30	0.58
CL1601-1400E	201	202	< 5	1250	< 0.2	1.09	12	290	< 0.5	< 2	1.06	< 0.5	17	51	44	3.78	< 10	< 1	0.15	20	0.60
CL1601-1500E	201	202	< 5	580	< 0.2	2.70	8	160	0.5	< 2	0.30	< 0.5	18	113	24	3.70	10	< 1	0.12	30	1.61
CL1601-1600E	201	202	< 5	430	< 0.2	2.91	18	220	0.5	< 2	1.33	< 0.5	18	143	57	3.97	10	< 1	0.15	30	1.60
CL1601-1700E	201	202	< 5	180	< 0.2	0.73	4	130	< 0.5	< 2	2.61	< 0.5	6	26	14	1.03	< 10	< 1	0.07	< 10	0.36

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-01
Comments: ATTN: STEWART HARRIS

Certificate Date: 16-SEP-1998
Invoice No. :I9830643
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9830643

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
CL1570-1400SE	201	202	1950	8	0.04	8	440	184	2	< 1	8	0.03	< 10	< 10	26	< 10	220
CL1570-1500SE	201	202	540	4	0.03	23	990	10	< 2	< 1	15	0.01	< 10	< 10	21	< 10	164
CL1570-1600SE	201	202	150	9	< 0.01	7	640	30	6	< 1	13	< 0.01	< 10	< 10	4	< 10	200
CL1570-1700SE	201	202	6260	18	< 0.01	24	1020	62	2	1	10	< 0.01	< 10	< 10	18	< 10	1510
CL1570-1800SE	201	202	1380	12	< 0.01	8	650	32	2	< 1	8	< 0.01	< 10	< 10	17	< 10	332
CL1570-1900SE	201	202	1760	10	< 0.01	5	1450	30	2	1	13	< 0.01	< 10	< 10	5	< 10	116
CL1570-2000SE	201	202	45	8	< 0.01	16	840	26	< 2	< 1	122	< 0.01	< 10	< 10	24	< 10	152
CL1570-2100SE	201	202	2100	1	< 0.01	34	1540	10	6	2	32	0.01	< 10	< 10	24	< 10	526
CL1570-2200SE	201	202	2820	8	< 0.01	11	760	36	2	< 1	18	< 0.01	< 10	< 10	5	< 10	148
CL1570-2300SE	201	202	1350	12	< 0.01	23	940	30	6	< 1	11	0.02	< 10	< 10	35	< 10	278
CL1570-2400SE	201	202	1065	6	< 0.01	8	430	26	< 2	1	16	< 0.01	< 10	< 10	7	< 10	42
CL1570-2500SE	201	202	3760	17	< 0.01	11	440	72	2	< 1	24	< 0.01	< 10	< 10	3	< 10	1015
CL1570-2600SE	201	202	3580	11	< 0.01	3	200	118	< 2	< 1	29	< 0.01	< 10	< 10	1	< 10	574
CL1570-2700SE	201	202	1480	14	< 0.01	27	370	42	8	1	14	< 0.01	< 10	< 10	12	< 10	320
CL1570-2800SE	201	202	400	12	< 0.01	11	690	32	< 2	< 1	10	< 0.01	< 10	< 10	23	< 10	224
CL1570-2900SE	201	202	1625	9	< 0.01	27	890	64	2	1	20	< 0.01	< 10	< 10	17	< 10	294
CL1570-3000SE	201	202	70	3	0.05	4	420	6	< 2	< 1	6	< 0.01	< 10	< 10	12	< 10	48
CL1570-3100SE	201	202	450	9	< 0.01	14	1190	34	4	< 1	9	< 0.01	< 10	< 10	18	< 10	194
CL1570-3200SE	201	202	60	< 1	0.07	4	650	< 2	< 2	< 1	11	0.03	< 10	< 10	17	< 10	26
CL1570-3300SE	201	202	815	8	< 0.01	23	750	26	6	< 1	9	< 0.01	< 10	< 10	40	< 10	168
CL1570-3400SE	201	202	1365	3	< 0.01	60	1500	12	2	5	22	< 0.01	< 10	< 10	24	< 10	180
CL1570-3500SE	201	202	765	5	< 0.01	41	2140	18	4	< 1	32	< 0.01	< 10	< 10	29	< 10	226
CL1601-0E	201	202	1990	9	< 0.01	97	1620	46	8	7	20	< 0.01	< 10	< 10	14	< 10	132
CL1601-100E	201	202	910	14	< 0.01	6	410	44	6	< 1	48	< 0.01	< 10	< 10	10	< 10	106
CL1601-200E	201	202	745	17	< 0.01	9	630	58	6	1	54	< 0.01	< 10	< 10	9	< 10	90
CL1601-300E	201	202	410	23	< 0.01	7	1000	50	< 2	< 1	63	< 0.01	< 10	< 10	13	< 10	80
CL1601-400E	201	202	220	7	0.01	11	960	72	2	< 1	69	0.01	< 10	< 10	23	< 10	80
CL1601-500E	201	202	515	7	< 0.01	25	1030	40	< 2	1	178	< 0.01	< 10	< 10	14	< 10	226
CL1601-600E	201	202	650	5	< 0.01	57	1960	20	2	5	65	< 0.01	< 10	< 10	86	< 10	268
CL1601-700E	201	202	1065	1	< 0.01	16	1880	14	2	1	11	< 0.01	< 10	< 10	86	< 10	58
CL1601-800E	201	202	555	2	< 0.01	13	1560	16	6	< 1	14	< 0.01	< 10	< 10	68	< 10	58
CL1601-900E	201	202	535	5	< 0.01	18	1480	30	4	1	120	< 0.01	< 10	< 10	22	< 10	212
CL1601-1000E	201	202	70	1	0.06	8	740	< 2	2	< 1	15	0.04	< 10	< 10	20	< 10	16
CL1601-1100E	201	202	210	19	0.05	58	610	6	8	3	12	0.02	< 10	< 10	56	< 10	48
CL1601-1200E	201	202	320	48	< 0.01	99	1020	22	12	8	13	< 0.01	< 10	< 10	59	< 10	42
CL1601-1300E	201	202	515	26	< 0.01	85	2010	32	4	5	43	0.03	< 10	< 10	121	< 10	78
CL1601-1400E	201	202	430	21	< 0.01	86	1010	12	2	6	31	0.02	< 10	< 10	61	< 10	60
CL1601-1500E	201	202	515	< 1	< 0.01	55	840	10	< 2	5	15	0.14	< 10	< 10	45	< 10	66
CL1601-1600E	201	202	575	< 1	< 0.01	61	1970	6	4	7	64	0.12	< 10	< 10	53	< 10	66
CL1601-1700E	201	202	320	1	< 0.01	16	1220	< 2	< 2	1	76	0.03	< 10	< 10	12	< 10	58

CERTIFICATION: Hawthorne

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CERTIFICATE OF ANALYSIS A9830643

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
CL1601-1800E	201	202	< 5	340	0.4	4.02	26	120	0.5	< 2	1.34	< 0.5	38	371	58	6.62	10	< 1	0.15	10	4.82
CL1601-1900E	201	202	< 5	290	< 0.2	2.01	< 2	80	0.5	< 2	2.13	< 0.5	10	47	18	2.77	< 10	< 1	0.09	20	1.46
CL1601-2000E	201	202	< 5	420	< 0.2	2.56	2	100	< 0.5	2	0.25	< 0.5	13	52	13	3.70	< 10	< 1	0.09	10	1.88
CL1601-2100E	201	202	< 5	440	< 0.2	3.19	16	140	0.5	< 2	0.85	< 0.5	20	101	28	4.73	10	< 1	0.06	10	1.56
CL1601-2200E	201	202	< 5	670	< 0.2	0.94	< 2	40	< 0.5	< 2	0.08	< 0.5	3	23	8	0.83	< 10	< 1	0.03	< 10	0.13
CL1601-2300E	201	202	< 5	680	< 0.2	0.88	< 2	60	< 0.5	< 2	0.22	< 0.5	3	13	5	0.93	< 10	< 1	0.04	< 10	0.26
CL1601-2400E	201	202	< 5	450	< 0.2	2.75	6	80	0.5	< 2	0.35	< 0.5	25	177	36	4.51	< 10	< 1	0.09	30	2.24
CL1601-2500E	201	202	< 5	520	< 0.2	2.08	10	100	< 0.5	< 2	0.29	< 0.5	15	136	22	3.25	< 10	< 1	0.08	10	1.46
CL1601-2600E	201	202	< 5	780	< 0.2	1.79	10	130	0.5	< 2	0.98	< 0.5	18	105	42	5.02	< 10	< 1	0.07	20	1.28
CL1660-0000E	201	202	< 5	410	< 0.2	3.18	4	90	1.0	< 2	0.74	< 0.5	17	37	34	4.38	< 10	1	0.04	40	2.27
CL1660-0100E	201	202	< 5	390	< 0.2	2.59	8	50	0.5	< 2	1.67	< 0.5	21	38	35	4.31	< 10	< 1	0.09	40	1.70
CL1660-0200E	201	202	< 5	490	< 0.2	2.26	10	100	0.5	< 2	1.30	< 0.5	23	76	47	4.26	< 10	< 1	0.10	40	1.38
CL1660-0300E	201	202	< 5	490	< 0.2	3.25	10	180	1.0	< 2	1.25	< 0.5	44	164	85	7.25	10	< 1	0.10	50	2.60
CL1660-0400E	201	202	< 5	870	< 0.2	1.36	12	230	0.5	2	2.36	< 0.5	19	53	30	4.09	< 10	< 1	0.09	30	0.89
CL1660-0500E	201	202	< 5	590	< 0.2	2.25	4	180	0.5	2	0.26	< 0.5	14	65	22	3.95	< 10	< 1	0.08	30	1.11
CL1660-0600E	201	202	< 5	660	< 0.2	1.41	14	170	0.5	< 2	0.62	< 0.5	23	24	28	5.79	< 10	< 1	0.09	40	0.51
CL1660-0700E	201	202	< 5	1300	0.2	0.81	156	220	< 0.5	< 2	0.04	0.5	16	14	43	2.69	< 10	< 1	0.10	10	0.11
CL1660-0800E	201	202	< 5	940	< 0.2	1.49	682	110	< 0.5	< 2	0.07	0.5	20	31	44	3.92	< 10	< 1	0.10	20	0.63
CL1660-0900E	201	202	< 5	2660	0.2	0.84	18	330	< 0.5	2	0.18	1.5	6	11	11	2.23	< 10	< 1	0.13	40	0.11
CL1660-1000E	201	202	< 5	2580	0.2	0.67	22	430	< 0.5	2	0.21	0.5	3	4	11	2.44	< 10	< 1	0.23	40	0.06
CL1660-1100E	201	202	< 5	3440	0.2	0.79	16	380	< 0.5	2	0.13	< 0.5	4	11	11	1.98	< 10	< 1	0.12	40	0.12
CL1660-1200E	201	202	< 5	5740	< 0.2	0.59	20	640	< 0.5	2	0.14	< 0.5	3	9	12	2.59	< 10	< 1	0.14	60	0.11
CL1660-1300E	201	202	< 5	6300	0.4	0.78	24	640	< 0.5	2	0.12	< 0.5	3	13	11	2.53	< 10	< 1	0.18	50	0.15
CL1660-1400E	201	202	< 5	1780	0.8	0.66	50	140	< 0.5	< 2	0.10	< 0.5	1	3	9	3.71	< 10	1	0.36	60	0.04
CL1660-1500E	201	202	< 5	1510	1.0	0.59	88	60	< 0.5	2	0.02	< 0.5	< 1	5	12	4.81	< 10	< 1	0.69	110	0.03
CL1660-1600E	201	202	< 5	2380	< 0.2	0.51	22	550	< 0.5	2	0.48	< 0.5	6	1	10	2.45	< 10	< 1	0.09	10	0.04
CL1660-1700E	201	202	< 5	2280	< 0.2	0.95	20	310	0.5	4	0.16	0.5	12	8	14	3.63	< 10	< 1	0.10	60	0.08
CL1660-1800E	201	202	< 5	6250	0.8	0.99	26	750	< 0.5	< 2	0.09	< 0.5	5	10	34	6.06	< 10	< 1	0.11	30	0.09
CL1660-1900E	201	202	< 5	6720	0.6	0.44	32	590	< 0.5	2	0.10	0.5	8	3	21	6.03	< 10	< 1	0.13	80	0.06
CL1660-2000E	201	202	< 5	2430	0.2	1.05	26	220	0.5	2	0.22	1.0	15	9	14	5.86	< 10	< 1	0.39	30	0.14
CL1660-2100E	201	202	< 5	5850	1.2	0.69	32	160	< 0.5	< 2	0.78	2.0	27	5	26	7.19	< 10	< 1	0.33	50	0.13
CL1660-2200E	201	202	< 5	3250	0.4	0.58	18	370	0.5	< 2	0.48	0.5	10	6	32	3.40	< 10	1	0.13	30	0.27
CL1660-2300E	201	202	< 5	4590	1.6	0.76	42	470	< 0.5	< 2	0.13	1.0	24	22	56	4.77	< 10	< 1	0.32	40	0.03
CL1660-2400E	201	202	< 5	5730	1.2	0.47	46	610	< 0.5	< 2	0.01	< 0.5	1	8	13	2.76	< 10	< 1	0.26	50	0.03
CL1660-2500E	201	202	< 5	4250	1.6	0.28	32	210	< 0.5	< 2	< 0.01	< 0.5	< 1	7	12	3.04	< 10	< 1	0.32	60	0.01
CL1660-2600E	201	202	< 5	2120	< 0.2	0.48	6	410	0.5	2	0.41	< 0.5	5	3	10	2.20	< 10	< 1	0.09	10	0.02
CL1660-2700E	201	202	< 5	5740	< 0.2	0.75	10	270	< 0.5	< 2	0.03	0.5	4	4	11	2.84	< 10	< 1	0.08	50	0.04
CL1660-2800E	201	202	< 5	2850	1.4	0.83	26	410	< 0.5	2	0.03	0.5	1	12	29	2.14	< 10	< 1	0.13	30	0.04
CL1660-2900E	201	202	< 5	1420	0.4	0.69	20	420	< 0.5	< 2	0.24	0.5	9	7	41	2.48	< 10	< 1	0.10	10	0.11
CL1660-3000E	201	202	< 5	3440	1.0	0.73	22	660	0.5	< 2	0.24	1.0	5	9	18	2.71	< 10	< 1	0.10	30	0.04

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-01
Comments: ATTN: STEWART HARRIS

Certificate Date: 16-SEP-1998
Invoice No. : I9830643
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9830643

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
CL1601-1800E	201 202	1025	< 1	< 0.01	224	910	6	2	14	30	0.77	< 10	< 10	136	10	106
CL1601-1900E	201 202	330	1	< 0.01	31	970	14	< 2	4	79	0.05	< 10	< 10	22	< 10	72
CL1601-2000E	201 202	400	1	< 0.01	33	780	18	2	1	15	0.07	< 10	< 10	27	< 10	84
CL1601-2100E	201 202	605	3	< 0.01	66	790	12	< 2	5	46	0.18	< 10	< 10	72	10	96
CL1601-2200E	201 202	70	1	0.05	8	510	2	< 2	< 1	8	0.01	< 10	< 10	18	< 10	12
CL1601-2300E	201 202	60	< 1	0.06	8	580	2	< 2	< 1	16	0.02	< 10	< 10	14	< 10	18
CL1601-2400E	201 202	875	1	< 0.01	99	890	14	2	7	18	0.19	< 10	< 10	60	< 10	86
CL1601-2500E	201 202	480	1	0.02	67	740	10	< 2	4	12	0.16	< 10	< 10	50	< 10	58
CL1601-2600E	201 202	445	16	< 0.01	100	860	14	< 2	6	36	0.09	< 10	< 10	85	< 10	84
CL1660-0000E	201 202	1530	1	< 0.01	33	1070	22	< 2	10	39	< 0.01	< 10	< 10	19	10	88
CL1660-0100E	201 202	570	2	< 0.01	37	750	38	4	5	64	< 0.01	< 10	< 10	21	10	146
CL1660-0200E	201 202	870	2	< 0.01	52	1140	12	2	10	63	< 0.01	< 10	< 10	32	< 10	68
CL1660-0300E	201 202	1295	4	< 0.01	97	1560	12	2	16	54	0.01	< 10	< 10	83	10	96
CL1660-0400E	201 202	845	1	< 0.01	42	910	12	< 2	8	49	0.05	< 10	< 10	38	< 10	76
CL1660-0500E	201 202	940	1	< 0.01	33	930	10	< 2	3	19	0.06	< 10	< 10	56	10	64
CL1660-0600E	201 202	1120	3	< 0.01	50	810	14	2	6	24	< 0.01	< 10	< 10	14	< 10	82
CL1660-0700E	201 202	1765	8	0.02	35	950	36	2	< 1	12	< 0.01	< 10	< 10	24	< 10	188
CL1660-0800E	201 202	795	4	< 0.01	48	680	36	2	3	11	< 0.01	< 10	< 10	26	< 10	202
CL1660-0900E	201 202	380	5	< 0.01	16	1450	38	< 2	< 1	34	< 0.01	< 10	< 10	31	< 10	310
CL1660-1000E	201 202	65	7	< 0.01	19	1380	64	< 2	< 1	96	< 0.01	< 10	< 10	41	< 10	286
CL1660-1100E	201 202	185	5	0.01	12	830	28	< 2	< 1	63	0.01	< 10	< 10	30	< 10	114
CL1660-1200E	201 202	145	5	< 0.01	12	900	34	< 2	2	115	0.02	< 10	< 10	25	< 10	130
CL1660-1300E	201 202	145	11	0.01	12	840	44	2	1	81	0.03	< 10	< 10	46	< 10	84
CL1660-1400E	201 202	90	8	< 0.01	8	1570	84	2	1	320	< 0.01	< 10	< 10	28	< 10	114
CL1660-1500E	201 202	25	41	0.01	3	2000	204	6	3	342	< 0.01	< 10	< 10	50	< 10	46
CL1660-1600E	201 202	485	3	< 0.01	18	1510	44	< 2	4	77	< 0.01	< 10	< 10	4	< 10	64
CL1660-1700E	201 202	380	4	< 0.01	29	1920	42	2	1	53	< 0.01	< 10	10	18	< 10	220
CL1660-1800E	201 202	125	9	< 0.01	23	1190	80	2	4	76	< 0.01	< 10	< 10	33	< 10	58
CL1660-1900E	201 202	585	15	< 0.01	33	840	92	6	7	93	< 0.01	< 10	< 10	16	< 10	66
CL1660-2000E	201 202	560	5	< 0.01	35	1420	54	2	7	76	< 0.01	< 10	< 10	28	< 10	670
CL1660-2100E	201 202	805	9	< 0.01	30	2150	88	< 2	11	138	< 0.01	< 10	< 10	31	< 10	434
CL1660-2200E	201 202	380	8	< 0.01	35	770	38	2	6	146	< 0.01	< 10	< 10	21	< 10	122
CL1660-2300E	201 202	160	17	0.01	35	2450	56	8	6	253	< 0.01	< 10	< 10	220	< 10	138
CL1660-2400E	201 202	45	24	0.03	7	840	60	6	< 1	141	< 0.01	< 10	< 10	56	< 10	56
CL1660-2500E	201 202	15	28	0.06	6	690	68	8	1	161	< 0.01	< 10	< 10	69	< 10	18
CL1660-2600E	201 202	285	3	< 0.01	13	1430	34	< 2	1	35	< 0.01	< 10	< 10	8	< 10	96
CL1660-2700E	201 202	550	7	< 0.01	18	1180	24	< 2	< 1	24	< 0.01	< 10	< 10	33	< 10	280
CL1660-2800E	201 202	45	15	0.01	8	1090	46	6	< 1	63	< 0.01	< 10	< 10	91	< 10	70
CL1660-2900E	201 202	510	14	0.01	31	890	18	< 2	2	39	< 0.01	< 10	< 10	19	< 10	124
CL1660-3000E	201 202	180	12	< 0.01	23	1030	38	2	3	65	< 0.01	< 10	< 10	71	< 10	174

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-01
Comments: ATTN: STEWART HARRIS

Certificate Date: 16-SEP-1998
Invoice No. : I9830643
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9830643

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
CL1660-3100E	201	202	< 5	3430	1.6	0.29	24	510	< 0.5	< 2	0.11	< 0.5	3	5	20	2.05	< 10	< 1	0.12	60	0.03
CL1660-3200E	201	202	< 5	3480	0.2	0.30	18	370	< 0.5	2	0.36	< 0.5	3	3	11	3.20	< 10	< 1	0.08	10	0.03
CL1660-0W	201	202	< 5	1590	0.8	0.98	20	400	< 0.5	< 2	0.23	< 0.5	11	16	44	2.78	< 10	1	0.12	30	0.35
CL1660-100W	201	202	< 5	1410	0.8	0.95	42	290	< 0.5	< 2	0.14	< 0.5	19	18	69	3.37	< 10	< 1	0.11	10	0.28
CL1660-200W	201	202	< 5	1040	0.2	0.98	28	330	0.5	< 2	1.91	1.0	55	10	127	4.37	< 10	< 1	0.12	10	0.72
CL1660-300W	201	202	< 5	1540	< 0.2	0.88	12	260	< 0.5	2	0.41	0.5	25	4	179	4.24	< 10	< 1	0.08	20	0.28
CL1660-400W	201	202	< 5	910	< 0.2	1.83	< 2	150	< 0.5	< 2	3.00	< 0.5	17	20	27	3.56	< 10	< 1	0.09	30	1.23
CL1660-500W	201	202	< 5	1480	0.4	0.89	22	450	0.5	< 2	1.89	2.0	11	13	44	2.93	< 10	1	0.12	10	0.82
CL1660-600W	201	202	< 5	1140	0.4	0.52	34	420	0.5	< 2	0.35	1.5	7	7	49	2.32	< 10	< 1	0.13	20	0.13
CL1660-700W	201	202	< 5	1470	0.6	1.08	50	470	0.5	< 2	0.36	0.5	26	18	62	4.71	< 10	< 1	0.12	10	0.38
CL1660-808W	201	202	< 5	1630	1.2	0.58	62	310	< 0.5	2	0.11	< 0.5	13	14	55	3.69	< 10	< 1	0.10	10	0.10
CL1660-900W	201	202	< 5	1310	0.2	0.79	140	470	0.5	< 2	0.09	1.0	18	19	50	3.77	< 10	< 1	0.12	10	0.15
CL1660-1000W	201	202	< 5	1630	0.4	0.85	66	190	0.5	< 2	0.94	0.5	12	14	42	2.30	< 10	< 1	0.07	< 10	0.21
CL1660-1100W	201	202	< 5	3650	2.0	0.43	46	820	< 0.5	< 2	0.27	1.5	5	10	46	1.97	< 10	< 1	0.09	10	0.08
GSRH-98-01	201	202	< 5	1670	< 0.2	0.24	50	190	0.5	< 2	0.09	0.5	6	< 1	32	7.05	< 10	1	0.13	180	0.04

CERTIFICATION: Robert Dunn

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-01
Comments: ATTN: STEWART HARRIS

Page Number :7-B
Total Pages :7
Certificate Date: 16-SEP-1998
Invoice No. :19830643
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9830643

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
CL1660-3100E	201	202	70	13	< 0.01	24	660	30	6	1	57	< 0.01	< 10	< 10	29	< 10	114
CL1660-3200E	201	202	205	8	< 0.01	12	1110	26	2	3	53	< 0.01	< 10	< 10	25	< 10	112
CL1660-0W	201	202	605	5	< 0.01	40	830	24	< 2	3	22	< 0.01	< 10	< 10	24	< 10	164
CL1660-100W	201	202	550	4	< 0.01	52	800	26	< 2	3	21	< 0.01	< 10	< 10	20	< 10	178
CL1660-200W	201	202	2190	6	< 0.01	69	1010	40	< 2	7	37	< 0.01	< 10	< 10	13	< 10	190
CL1660-300W	201	202	670	4	< 0.01	79	620	22	2	4	26	< 0.01	< 10	< 10	8	< 10	230
CL1660-400W	201	202	290	2	< 0.01	31	720	20	< 2	3	98	< 0.01	< 10	< 10	11	< 10	106
CL1660-500W	201	202	200	19	< 0.01	47	760	50	< 2	4	69	< 0.01	< 10	< 10	24	< 10	390
CL1660-600W	201	202	250	21	< 0.01	26	450	30	< 2	4	50	< 0.01	< 10	< 10	21	< 10	194
CL1660-700W	201	202	710	6	< 0.01	92	460	40	2	6	36	< 0.01	< 10	< 10	25	< 10	370
CL1660-800W	201	202	680	10	< 0.01	58	1150	36	2	1	34	< 0.01	< 10	< 10	33	< 10	248
CL1660-900W	201	202	985	4	< 0.01	48	1240	32	2	1	24	< 0.01	< 10	< 10	29	< 10	208
CL1660-1000W	201	202	530	3	< 0.01	41	2200	14	< 2	5	46	< 0.01	< 10	< 10	16	< 10	122
CL1660-1100W	201	202	140	7	< 0.01	42	940	16	2	3	111	< 0.01	< 10	< 10	24	< 10	212
GSRE-98-01	201	202	1315	28	< 0.01	8	210	132	2	1	18	< 0.01	< 10	< 10	< 1	< 10	146

CERTIFICATION: Hartfichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : PTH 98-01
Comments: ATTN: STEWART HARRIS

Certificate Date: 18-SEP-1998
Invoice No. : I9830664
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9830664

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
L19100E-4500N	201	202	< 5	680	< 0.2	2.30	16	150	< 0.5	< 2	4.51	< 0.5	71	200	95	6.93	< 10	< 1	0.13	10	1.80
L19100E-4550N	201	202	< 5	1580	< 0.2	0.95	8	130	0.5	2	1.72	3.5	77	59	125	11.80	< 10	< 1	0.23	50	0.27
L19100E-4600N	201	202	< 5	1700	< 0.2	1.25	16	240	0.5	< 2	1.69	1.5	64	63	110	8.86	< 10	< 1	0.19	90	0.58
L19100E-4650N	201	202	< 5	6200	< 0.2	0.75	22	180	0.5	< 2	0.33	< 0.5	6	4	18	9.45	< 10	< 1	0.46	140	0.05
L19100E-4700N	201	202	< 5	3200	0.2	0.63	24	320	< 0.5	2	0.24	< 0.5	7	< 1	19	8.16	< 10	< 1	0.49	170	0.03
L19100E-4750N	201	202	< 5	3000	< 0.2	0.38	22	240	< 0.5	< 2	0.27	< 0.5	17	2	31	7.64	< 10	1	0.22	140	0.03
L19100E-4800N	201	202	< 5	3800	0.6	0.30	54	90	< 0.5	< 2	0.03	< 0.5	< 1	5	16	10.25	< 10	1	0.96	70	0.03
L19100E-4850N	201	202	< 5	3200	0.2	0.49	36	150	< 0.5	< 2	0.09	< 0.5	5	8	22	7.23	< 10	< 1	0.63	160	0.08
L19100E-4900N	201	202	< 5	2700	0.2	0.39	40	150	0.5	< 2	0.16	< 0.5	5	4	21	7.02	< 10	< 1	0.60	160	0.10
L19100E-4950N	201	202	< 5	3600	0.8	0.52	46	460	0.5	< 2	0.28	1.5	7	6	25	5.31	< 10	< 1	0.23	190	0.15
L19100E-5000N	201	202	< 5	4000	1.0	0.51	44	470	0.5	< 2	0.25	0.5	5	5	24	5.25	< 10	< 1	0.22	160	0.10
L19100E-5050N	201	202	< 5	2800	0.6	0.67	74	200	0.5	< 2	0.30	3.5	5	6	42	8.54	< 10	< 1	0.33	60	0.16
L19100E-5100N	201	202	< 5	3800	< 0.2	0.78	32	150	0.5	< 2	0.22	1.5	< 1	< 1	19	10.50	< 10	< 1	0.45	100	0.14
L19100E-5175N	201	202	< 5	1420	< 0.2	0.69	18	250	0.5	< 2	0.25	< 0.5	5	5	18	4.42	< 10	< 1	0.11	90	0.12
L19100E-5200N	201	202	< 5	1400	< 0.2	0.57	10	180	0.5	< 2	0.36	< 0.5	8	5	27	4.71	< 10	< 1	0.10	130	0.20
L19100E-5250N	201	202	< 5	2100	< 0.2	0.37	8	200	< 0.5	2	0.25	< 0.5	8	4	19	2.70	< 10	< 1	0.05	20	0.08
L19100E-5300N	201	202	< 5	3000	1.0	0.38	16	290	< 0.5	< 2	0.03	< 0.5	4	6	31	2.87	< 10	< 1	0.10	50	0.03
L19100E-5350N	201	202	< 5	1900	0.8	0.77	30	300	< 0.5	2	0.02	< 0.5	5	9	61	4.49	< 10	< 1	0.13	60	0.06
L19100E-5400N	201	202	< 5	3000	0.2	0.45	10	200	< 0.5	< 2	0.04	< 0.5	2	6	19	2.17	< 10	< 1	0.12	40	0.06
L19100E-5450N	201	202	< 5	2100	0.6	0.83	20	340	< 0.5	< 2	0.03	< 0.5	5	10	42	3.09	< 10	< 1	0.15	30	0.10
L19100E-5500N	201	202	< 5	2100	0.2	0.70	12	110	< 0.5	< 2	0.15	< 0.5	7	9	37	2.38	< 10	< 1	0.06	< 10	0.24
L19250E-4500N	201	202	< 5	1200	1.0	0.66	28	100	< 0.5	2	0.23	4.0	56	39	90	7.52	< 10	1	0.35	80	0.10
L19250E-4550N	201	202	< 5	600	1.2	0.18	50	50	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	5	13.15	< 10	1	2.13	40	0.01
L19250E-4600N	201	202	< 5	600	0.6	2.18	76	110	2.5	2	0.34	< 0.5	4	1	51	11.45	< 10	< 1	0.18	130	0.11
L19250E-4650N	201	202	< 5	600	1.0	0.67	106	90	0.5	< 2	0.05	< 0.5	2	4	25	9.84	< 10	< 1	1.29	240	0.04
L19250E-4700N	201	202	< 5	320	0.4	0.43	46	70	< 0.5	2	0.02	< 0.5	1	9	18	11.50	< 10	< 1	1.53	120	0.06
L19250E-4750N	201	202	< 5	700	0.4	0.27	40	110	< 0.5	< 2	0.02	< 0.5	< 1	2	14	11.05	< 10	< 1	1.08	100	0.03
L19250E-4800N	201	202	< 5	600	0.4	0.26	28	120	< 0.5	< 2	0.01	< 0.5	3	4	16	8.59	< 10	< 1	0.96	100	0.01
L19250E-4850N	201	202	< 5	900	0.6	0.12	34	70	< 0.5	< 2	0.08	< 0.5	< 1	< 1	5	9.77	< 10	< 1	1.75	40	0.01
L19250E-4900N	201	202	< 5	1040	1.6	0.22	94	180	< 0.5	2	0.01	< 0.5	1	3	23	8.94	< 10	< 1	0.33	40	0.03
L19250E-4950N	201	202	< 5	2900	0.6	0.55	56	570	0.5	< 2	0.04	< 0.5	3	6	27	7.20	< 10	< 1	0.23	70	0.08
L19250E-5000N	201	202	< 5	2400	0.8	0.56	96	600	0.5	< 2	0.10	2.0	4	6	44	8.64	< 10	< 1	0.22	40	0.06
L19250E-5050N	201	202	< 5	1000	0.2	0.94	32	120	1.0	< 2	0.43	2.0	1	< 1	21	12.85	< 10	< 1	0.60	80	0.25
L19250E-5100N	201	202	< 5	2100	< 0.2	1.00	36	330	1.5	2	0.16	2.0	1	< 1	17	9.56	< 10	< 1	0.30	110	0.15
L19250E-5150N	201	202	< 5	1300	0.2	0.59	20	290	0.5	2	0.18	0.5	6	2	28	4.98	< 10	< 1	0.19	90	0.09
L19250E-5200N	201	202	< 5	1100	< 0.2	0.65	18	150	1.5	< 2	2.35	1.5	13	< 1	28	7.52	< 10	< 1	0.09	110	1.36
L19250E-5250N	201	202	30	1540	< 0.2	0.81	14	290	1.5	2	0.30	1.0	18	4	59	5.32	< 10	< 1	0.11	80	0.20
L19250E-5300N	201	202	5	940	< 0.2	0.29	44	230	< 0.5	2	0.25	< 0.5	3	1	9	1.75	< 10	< 1	0.16	10	0.05
L19250E-5350N	201	202	< 5	1500	0.6	0.50	8	380	< 0.5	< 2	0.12	< 0.5	3	7	32	2.39	< 10	< 1	0.10	< 10	0.05
L19250E-5400N	201	202	< 5	2000	0.6	0.62	16	380	0.5	< 2	0.25	< 0.5	7	8	44	2.75	< 10	< 1	0.09	< 10	0.10

CERTIFICATION: Hawthickler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : PTH 98-01
Comments: ATTN: STEWART HARRIS

Certificate Date: 18-SEP-1998
Invoice No. :19830664
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9830664

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L19100E-4500N	201 202	1005	3	< 0.01	223	830	6	< 2	11	65	0.20	< 10	< 10	60	10	56
L19100E-4550N	201 202	960	5	0.12	299	1330	80	2	8	108	< 0.01	< 10	< 10	15	< 10	630
L19100E-4600N	201 202	820	7	0.04	206	1210	46	< 2	8	69	0.06	< 10	< 10	18	< 10	342
L19100E-4650N	201 202	670	15	0.05	20	600	104	< 2	1	68	< 0.01	< 10	< 10	1	< 10	60
L19100E-4700N	201 202	265	23	0.03	19	760	96	< 2	1	74	< 0.01	< 10	< 10	< 1	< 10	36
L19100E-4750N	201 202	465	22	0.08	48	660	122	2	1	91	< 0.01	< 10	< 10	< 1	< 10	36
L19100E-4800N	201 202	80	25	0.01	7	980	190	4	1	61	< 0.01	< 10	< 10	4	< 10	94
L19100E-4850N	201 202	385	22	0.01	13	1160	100	2	1	69	< 0.01	< 10	< 10	12	< 10	122
L19100E-4900N	201 202	575	23	< 0.01	12	970	76	2	1	80	< 0.01	< 10	< 10	7	< 10	102
L19100E-4950N	201 202	525	29	< 0.01	21	1040	86	6	1	73	< 0.01	< 10	< 10	28	< 10	228
L19100E-5000N	201 202	305	32	< 0.01	18	1010	110	8	1	92	< 0.01	< 10	< 10	26	< 10	152
L19100E-5050N	201 202	440	49	0.01	43	1320	90	10	2	88	< 0.01	< 10	< 10	89	< 10	410
L19100E-5100N	201 202	510	20	0.03	18	200	88	2	1	23	< 0.01	< 10	< 10	17	< 10	242
L19100E-5175N	201 202	595	10	0.01	18	1090	44	2	1	72	< 0.01	< 10	< 10	14	< 10	148
L19100E-5200N	201 202	900	11	< 0.01	28	1170	36	< 2	1	49	< 0.01	< 10	< 10	12	< 10	194
L19100E-5250N	201 202	360	4	< 0.01	29	860	24	< 2	2	45	< 0.01	< 10	< 10	11	< 10	62
L19100E-5300N	201 202	105	8	< 0.01	22	1000	38	2	1	100	< 0.01	< 10	< 10	28	< 10	114
L19100E-5350N	201 202	185	13	0.01	24	1740	56	2	1	119	< 0.01	< 10	< 10	33	< 10	134
L19100E-5400N	201 202	125	7	0.03	8	890	30	2	< 1	76	0.01	< 10	< 10	21	< 10	52
L19100E-5450N	201 202	135	9	0.03	23	1220	38	< 2	1	71	< 0.01	< 10	< 10	25	< 10	116
L19100E-5500N	201 202	85	3	0.01	40	960	18	< 2	1	38	< 0.01	< 10	< 10	24	< 10	136
L19250E-4500N	201 202	655	12	0.23	207	1500	128	4	6	230	< 0.01	< 10	< 10	29	< 10	510
L19250E-4550N	201 202	25	23	0.03	1	480	352	2	< 1	22	< 0.01	< 10	< 10	< 1	< 10	34
L19250E-4600N	201 202	1415	29	< 0.01	8	510	114	6	1	94	< 0.01	< 10	< 10	< 1	10	94
L19250E-4650N	201 202	475	36	0.01	8	1120	258	6	1	117	< 0.01	< 10	< 10	7	< 10	120
L19250E-4700N	201 202	110	27	0.02	9	1710	154	2	1	76	0.01	< 10	< 10	9	< 10	90
L19250E-4750N	201 202	105	23	0.02	3	1550	132	2	< 1	76	< 0.01	< 10	< 10	4	< 10	106
L19250E-4800N	201 202	195	31	0.01	7	1370	100	2	1	126	< 0.01	< 10	< 10	3	< 10	68
L19250E-4850N	201 202	15	26	0.04	1	890	94	< 2	< 1	166	< 0.01	< 10	< 10	7	< 10	16
L19250E-4900N	201 202	95	66	< 0.01	12	1940	134	18	1	127	< 0.01	< 10	< 10	71	< 10	150
L19250E-4950N	201 202	250	48	< 0.01	22	2030	106	6	< 1	91	< 0.01	< 10	< 10	51	< 10	220
L19250E-5000N	201 202	300	98	< 0.01	59	1350	130	18	1	104	< 0.01	< 10	10	112	< 10	450
L19250E-5050N	201 202	620	21	0.03	20	210	106	2	1	26	< 0.01	< 10	< 10	17	< 10	270
L19250E-5100N	201 202	655	26	0.01	20	170	78	2	< 1	22	< 0.01	< 10	< 10	12	< 10	330
L19250E-5150N	201 202	955	10	0.02	25	1050	50	< 2	1	150	< 0.01	< 10	< 10	9	< 10	198
L19250E-5200N	201 202	1160	17	< 0.01	55	460	60	< 2	1	33	< 0.01	< 10	< 10	4	< 10	374
L19250E-5250N	201 202	765	12	< 0.01	65	670	38	< 2	3	138	< 0.01	< 10	< 10	11	< 10	300
L19250E-5300N	201 202	210	13	< 0.01	14	860	48	< 2	1	54	< 0.01	< 10	< 10	13	< 10	50
L19250E-5350N	201 202	45	5	< 0.01	20	690	40	< 2	2	135	< 0.01	< 10	< 10	19	< 10	118
L19250E-5400N	201 202	130	4	< 0.01	29	920	30	< 2	3	120	< 0.01	< 10	< 10	25	< 10	148

CERTIFICATION: Ian Fuller

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : PTH 98-01
Comments: ATTN: STEWART HARRIS

Certificate Date: 18-SEP-1998
Invoice No. : I9830664
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9830664

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
L19250E-5450N	201	202	< 5	1700	0.2	0.63	12	430	< 0.5	< 2	0.09	< 0.5	5	7	35	2.23	< 10	< 1	0.09	20	0.08
L19250E-5500N	201	202	< 5	1560	0.2	0.66	10	220	< 0.5	< 2	0.05	< 0.5	4	6	22	1.96	< 10	< 1	0.07	20	0.08
L19700E-4650N	201	202	< 5	1240	0.2	4.10	16	500	1.5	< 2	1.46	3.0	59	195	135	8.62	10	< 1	0.07	40	2.73
L19700E-4700N	201	202	< 5	>10000	< 0.2	3.33	22	330	1.5	< 2	4.31	1.0	19	82	41	6.31	10	< 1	1.10	110	0.98
L19700E-4750N	201	202	< 5	>10000	< 0.2	2.91	32	130	2.0	< 2	2.56	1.0	15	59	46	8.66	10	< 1	1.26	180	0.73
L19700E-4800N	201	202	< 5	2700	< 0.2	0.91	30	150	0.5	< 2	0.26	< 0.5	4	16	26	7.44	< 10	< 1	0.58	200	0.17
L19700E-4850N	201	202	< 5	2000	0.2	0.99	30	380	1.5	2	0.22	9.5	5	3	31	9.19	< 10	< 1	0.12	130	0.25
L19700E-4900N	201	202	< 5	1680	0.6	0.64	30	500	0.5	2	0.08	0.5	3	10	15	3.59	< 10	< 1	0.15	100	0.10
L19700E-4950N	201	202	< 5	1700	0.8	0.39	36	480	< 0.5	< 2	0.04	< 0.5	1	8	12	4.38	< 10	< 1	0.28	100	0.05
L19700E-5000N	201	202	< 5	980	0.2	0.76	24	100	< 0.5	2	0.09	< 0.5	5	21	12	2.55	< 10	< 1	0.07	30	0.30
L19700E-5050N	201	202	< 5	2100	0.2	1.00	22	560	< 0.5	2	0.13	< 0.5	5	30	15	3.85	< 10	< 1	0.17	80	0.32
L19700E-5100N	201	202	< 5	1400	0.2	1.09	24	250	< 0.5	2	0.12	< 0.5	6	26	14	3.49	< 10	< 1	0.13	60	0.36
L19700E-5150N	201	202	< 5	2200	0.2	1.12	18	580	< 0.5	2	0.09	< 0.5	4	28	17	3.60	< 10	< 1	0.12	40	0.17
L19700E-5200N	201	202	< 5	1260	0.2	1.97	10	280	0.5	< 2	0.35	< 0.5	11	81	20	4.82	< 10	< 1	0.09	30	0.89
L19700E-5250N	201	202	< 5	1860	< 0.2	0.54	18	190	< 0.5	< 2	0.02	< 0.5	3	13	14	2.80	< 10	< 1	0.07	40	0.06
L19700E-5300N	201	202	< 5	1840	< 0.2	0.71	22	230	< 0.5	2	0.04	< 0.5	4	19	12	3.63	< 10	< 1	0.12	30	0.17
L19700E-5350N	201	202	< 5	1060	< 0.2	0.68	8	130	< 0.5	< 2	0.03	< 0.5	2	10	10	2.11	< 10	< 1	0.06	30	0.07
L19700E-5400N	201	202	< 5	2100	< 0.2	0.58	20	210	< 0.5	2	0.08	< 0.5	4	13	13	3.50	< 10	< 1	0.10	60	0.11
L19700E-5450N	201	202	< 5	1420	0.6	1.30	14	1020	0.5	< 2	0.17	< 0.5	3	18	18	2.35	< 10	< 1	0.09	210	0.10
L19700E-5500N	201	202	< 5	1560	< 0.2	1.17	12	230	< 0.5	2	0.09	< 0.5	6	22	13	3.24	< 10	< 1	0.07	60	0.23
L20000E-4500N	201	202	< 5	1420	0.2	1.29	22	160	1.5	< 2	0.28	2.5	14	17	26	4.82	< 10	< 1	0.06	140	0.41
L20000E-4550N	201	202	< 5	1640	0.2	1.01	20	200	1.0	< 2	0.27	1.5	11	13	23	5.79	< 10	< 1	0.12	120	0.32
L20000E-4600N	201	202	< 5	940	0.2	1.05	30	130	1.5	2	0.55	3.5	26	18	68	6.49	< 10	1	0.10	120	0.18
L20000E-4650N	201	202	< 5	940	0.2	0.79	32	150	1.5	< 2	0.40	5.5	21	7	49	6.56	< 10	< 1	0.19	140	0.07
L20000E-4700N	201	202	< 5	1260	0.2	1.97	34	350	2.0	< 2	0.37	2.5	19	45	39	7.53	< 10	< 1	0.37	120	0.84
L20000E-4750N	201	202	< 5	1360	< 0.2	2.43	20	230	1.5	< 2	0.78	2.5	29	91	49	6.40	< 10	< 1	0.22	90	1.76
L20000E-4800N	201	202	< 5	1400	< 0.2	2.46	26	210	1.5	< 2	0.89	2.0	29	80	48	5.97	< 10	< 1	0.21	80	1.81
L20000E-4850N	201	202	< 5	1420	< 0.2	2.96	20	200	1.5	< 2	1.06	2.0	33	91	57	6.44	< 10	< 1	0.27	80	2.24
L20000E-4900N	201	202	< 5	1340	< 0.2	2.93	30	280	2.0	< 2	0.76	2.5	33	89	59	7.53	< 10	< 1	0.30	100	1.95
L20000E-4950N	201	202	< 5	1440	< 0.2	2.48	20	280	2.0	< 2	0.63	2.5	26	80	45	6.95	< 10	< 1	0.24	110	1.55
L20300E-4800N	201	202	< 5	>10000	1.2	1.05	308	40	< 0.5	< 2	0.08	< 0.5	< 1	4	12	>15.00	10	< 1	2.60	100	0.20
L20300E-4850N	201	202	< 5	1120	0.2	0.98	104	180	1.5	< 2	0.28	< 0.5	11	9	85	14.30	10	< 1	0.31	410	0.11
L20300E-4900N	201	202	< 5	3100	0.4	0.37	46	310	0.5	< 2	0.06	< 0.5	< 1	< 1	20	10.95	< 10	< 1	0.12	100	0.05
L20300E-4950N	201	202	< 5	1800	0.2	0.66	38	320	1.5	< 2	0.37	0.5	3	1	21	8.47	< 10	< 1	0.28	260	0.20
L20300E-5050N	201	202	< 5	700	< 0.2	0.49	26	120	1.5	< 2	0.25	< 0.5	3	< 1	17	11.80	< 10	< 1	0.25	220	0.09
L20300E-5100N	201	202	< 5	620	< 0.2	0.46	50	60	1.5	< 2	0.61	< 0.5	4	< 1	23	8.07	< 10	< 1	0.04	230	0.37
L20300E-5150N	201	202	< 5	720	< 0.2	0.62	36	80	1.5	< 2	0.27	< 0.5	4	< 1	21	8.43	< 10	< 1	0.09	290	0.17
L20300E-5200N	201	202	< 5	660	< 0.2	1.32	30	110	3.0	< 2	0.32	< 0.5	4	< 1	20	7.83	< 10	< 1	0.10	250	0.19
L20300E-5250N	201	202	< 5	720	2.6	0.49	144	140	1.0	< 2	0.18	1.5	2	8	25	3.89	< 10	< 1	0.14	50	0.09
L20300E-5300N	201	202	< 5	1000	1.4	0.49	74	150	1.5	< 2	0.23	7.5	5	6	40	4.40	< 10	1	0.11	80	0.10

CERTIFICATION: Hawthichlea

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SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L19250E-5450N	201	202	170	6	< 0.01	21	850	28	< 2	1	91	< 0.01	< 10	< 10	19	< 10	112
L19250E-5500N	201	202	120	6	0.01	14	870	26	< 2	< 1	54	< 0.01	< 10	< 10	18	< 10	80
L19700E-4650N	201	202	3100	11	< 0.01	121	1810	24	< 2	10	128	0.33	< 10	< 10	81	10	704
L19700E-4700N	201	202	1020	10	0.17	40	1200	50	< 2	8	275	0.24	< 10	< 10	53	10	368
L19700E-4750N	201	202	1185	15	0.06	32	1670	90	< 2	7	172	0.14	< 10	< 10	34	10	410
L19700E-4800N	201	202	615	16	0.01	11	1210	100	2	2	60	0.04	< 10	< 10	16	< 10	160
L19700E-4850N	201	202	915	24	< 0.01	25	450	86	6	3	38	< 0.01	< 10	< 10	15	< 10	416
L19700E-4900N	201	202	700	32	< 0.01	15	470	54	8	< 1	28	0.01	< 10	< 10	48	< 10	194
L19700E-4950N	201	202	80	21	< 0.01	8	910	72	4	< 1	92	< 0.01	< 10	< 10	17	< 10	62
L19700E-5000N	201	202	290	8	< 0.01	17	430	20	2	1	20	0.04	< 10	< 10	39	< 10	74
L19700E-5050N	201	202	340	20	< 0.01	20	610	64	2	1	44	0.05	< 10	< 10	47	< 10	86
L19700E-5100N	201	202	325	8	< 0.01	21	470	34	< 2	1	27	0.06	< 10	< 10	29	< 10	94
L19700E-5150N	201	202	345	11	< 0.01	14	1300	34	2	< 1	25	0.03	< 10	< 10	38	< 10	104
L19700E-5200N	201	202	595	7	< 0.01	34	700	24	< 2	1	30	0.22	< 10	< 10	59	< 10	98
L19700E-5250N	201	202	160	11	< 0.01	11	650	24	< 2	< 1	14	0.01	< 10	< 10	30	< 10	90
L19700E-5300N	201	202	160	9	< 0.01	11	650	42	< 2	< 1	17	0.04	< 10	< 10	27	< 10	82
L19700E-5350N	201	202	150	9	0.01	8	610	20	< 2	< 1	15	0.01	< 10	< 10	24	< 10	58
L19700E-5400N	201	202	505	10	< 0.01	13	510	30	< 2	< 1	21	0.04	< 10	< 10	33	< 10	150
L19700E-5450N	201	202	85	11	< 0.01	12	2080	28	< 2	< 1	37	< 0.01	< 10	< 10	31	< 10	74
L19700E-5500N	201	202	345	8	0.01	16	710	30	< 2	1	19	0.03	< 10	< 10	32	< 10	102
L20000E-4500N	201	202	1380	11	0.03	44	470	126	< 2	1	26	< 0.01	< 10	< 10	7	< 10	632
L20000E-4550N	201	202	765	12	0.07	29	730	148	< 2	1	44	0.01	< 10	< 10	12	< 10	428
L20000E-4600N	201	202	925	11	0.03	95	800	128	2	4	53	< 0.01	< 10	< 10	14	< 10	810
L20000E-4650N	201	202	1110	15	0.06	83	650	178	2	3	81	< 0.01	< 10	< 10	10	< 10	1295
L20000E-4700N	201	202	1110	10	0.08	59	870	136	4	4	49	0.07	< 10	< 10	26	< 10	634
L20000E-4750N	201	202	970	7	0.03	83	1050	76	< 2	5	61	0.23	< 10	< 10	47	< 10	482
L20000E-4800N	201	202	965	7	0.03	78	1150	60	2	5	63	0.27	< 10	< 10	48	< 10	512
L20000E-4850N	201	202	1130	7	0.02	89	1490	56	< 2	5	70	0.26	< 10	< 10	56	10	522
L20000E-4900N	201	202	1235	8	0.06	85	1190	90	< 2	6	69	0.15	< 10	< 10	48	< 10	654
L20000E-4950N	201	202	980	8	0.05	74	930	90	< 2	5	58	0.15	< 10	< 10	40	< 10	676
L20300E-4800N	201	202	30	66	0.03	< 1	5040	490	8	< 1	88	< 0.01	< 10	< 10	13	10	34
L20300E-4850N	201	202	880	51	< 0.01	17	790	196	2	2	40	< 0.01	< 10	< 10	8	< 10	262
L20300E-4900N	201	202	305	32	< 0.01	3	870	80	2	< 1	18	< 0.01	< 10	< 10	3	< 10	260
L20300E-4950N	201	202	970	35	< 0.01	9	680	92	< 2	1	44	< 0.01	< 10	< 10	7	< 10	224
L20300E-5050N	201	202	1135	37	0.03	4	450	62	4	1	45	< 0.01	< 10	< 10	< 1	< 10	92
L20300E-5100N	201	202	1345	41	< 0.01	3	360	64	< 2	2	21	< 0.01	< 10	< 10	< 1	< 10	98
L20300E-5150N	201	202	2060	38	< 0.01	4	420	32	2	2	26	< 0.01	< 10	< 10	< 1	< 10	126
L20300E-5200N	201	202	1880	37	0.01	2	420	22	< 2	1	28	< 0.01	< 10	< 10	1	< 10	142
L20300E-5250N	201	202	305	73	< 0.01	26	910	92	40	1	28	< 0.01	< 10	< 10	180	< 10	230
L20300E-5300N	201	202	460	56	< 0.01	52	930	80	26	1	44	< 0.01	< 10	< 10	132	< 10	474

CERTIFICATION: Stewart Harris

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : PTH 98-01
Comments: ATTN: STEWART HARRIS

Certificate Date: 18-SEP-1998
Invoice No. : I9830664
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9830664

SAMPLE	PREP CODE	Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
L20300E-5350N	201 202	< 5	1300	1.0	0.54	46	210	1.5	< 2	0.28	5.0	5	6	47	3.22	< 10	< 1	0.08	80	0.15
L20300E-5400N	201 202	< 5	1320	0.2	0.51	44	190	1.5	< 2	0.13	3.5	4	5	39	2.40	< 10	< 1	0.05	80	0.11
L20600E-4685N	201 202	< 5	1600	< 0.2	3.28	18	330	3.5	< 2	1.52	0.5	58	239	74	6.77	10	< 1	0.03	140	1.72
L20600E-4700N	201 202	< 5	2100	< 0.2	1.82	18	260	2.5	< 2	0.31	0.5	29	76	44	5.56	10	< 1	0.04	210	0.79
L20600E-4750N	201 202	< 5	3100	< 0.2	1.45	14	530	2.0	< 2	0.32	< 0.5	11	36	24	5.69	10	< 1	0.10	140	0.50
L20600E-4800N	201 202	< 5	5900	< 0.2	1.04	22	300	1.5	< 2	0.12	< 0.5	7	8	16	7.18	< 10	< 1	0.39	240	0.18
L20600E-4900N	201 202	< 5	2600	< 0.2	0.90	26	390	1.0	< 2	0.10	0.5	7	10	21	6.57	< 10	< 1	0.30	220	0.17
L20600E-4950N	201 202	< 5	2600	< 0.2	0.80	30	380	1.0	< 2	0.06	< 0.5	7	8	22	6.38	< 10	< 1	0.31	160	0.14
L20600E-5000N	201 202	< 5	3100	< 0.2	0.93	34	460	1.0	< 2	0.16	0.5	7	10	19	5.34	< 10	< 1	0.21	200	0.17
L20600E-5050N	201 202	< 5	2900	< 0.2	1.11	30	610	1.0	< 2	0.11	< 0.5	5	9	16	4.88	< 10	< 1	0.24	280	0.16
L20600E-5100N	201 202	< 5	1400	< 0.2	1.04	14	160	0.5	< 2	0.10	< 0.5	5	20	11	2.86	< 10	< 1	0.07	90	0.21
L20600E-5150N	201 202	< 5	960	< 0.2	1.05	16	160	0.5	< 2	0.12	< 0.5	6	26	13	4.06	< 10	< 1	0.10	70	0.25
L20600E-5200N	201 202	< 5	1000	< 0.2	1.02	18	140	1.5	< 2	0.10	0.5	6	12	14	5.89	< 10	< 1	0.17	150	0.14
L20600E-5250N	201 202	< 5	1200	< 0.2	1.80	14	170	5.5	< 2	0.50	< 0.5	6	6	9	6.20	10	< 1	0.04	270	0.41
L20600E-5300N	201 202	< 5	1300	< 0.2	0.89	24	210	1.5	< 2	0.26	0.5	8	14	17	5.50	< 10	< 1	0.12	150	0.17
L20600E-5350N	201 202	< 5	1340	< 0.2	0.55	26	210	0.5	< 2	0.20	0.5	5	11	12	3.19	< 10	< 1	0.08	90	0.14
L20600E-5400N	201 202	< 5	1400	0.2	0.71	26	390	0.5	< 2	0.42	2.0	7	12	14	3.94	< 10	< 1	0.11	70	0.19
L20600E-5450N	201 202	< 5	1000	< 0.2	0.39	26	80	< 0.5	< 2	0.10	< 0.5	5	4	10	2.37	< 10	< 1	0.05	20	0.04
L20600E-5500N	201 202	< 5	1300	< 0.2	0.51	22	120	0.5	< 2	0.20	< 0.5	7	9	15	3.23	< 10	< 1	0.07	40	0.12
L20600E-5550N	201 202	< 5	1400	< 0.2	0.64	22	240	0.5	< 2	0.21	2.0	8	10	34	2.91	< 10	< 1	0.07	50	0.22
L20600E-5600N	201 202	< 5	2000	< 0.2	0.72	14	450	< 0.5	< 2	0.27	0.5	5	9	23	2.31	< 10	< 1	0.08	10	0.24
L20900E-4500N	201 202	< 5	3000	< 0.2	0.73	30	450	1.5	< 2	0.08	0.5	6	4	17	5.91	< 10	1	0.35	200	0.18
L20900E-4550N	201 202	< 5	1200	< 0.2	2.31	30	350	2.0	< 2	0.33	7.5	16	25	52	5.45	< 10	< 1	0.13	140	0.40
L20900E-4600N	201 202	< 5	1300	< 0.2	1.45	30	280	1.5	< 2	0.28	4.0	25	18	48	5.95	< 10	< 1	0.10	130	0.33
L20900E-4650N	201 202	< 5	1200	< 0.2	1.33	30	270	1.5	< 2	0.29	3.5	21	18	42	5.29	< 10	< 1	0.10	130	0.32
L20900E-4700N	201 202	< 5	1520	< 0.2	1.50	24	470	2.0	< 2	0.23	2.5	15	16	32	5.24	10	< 1	0.09	170	0.43
L20900E-4750N	201 202	< 5	1500	< 0.2	1.59	22	410	1.5	< 2	0.27	1.0	11	35	19	4.88	10	< 1	0.06	120	0.87
L20900E-4800N	201 202	< 5	1400	< 0.2	1.34	22	420	1.5	< 2	0.19	0.5	9	23	17	4.34	< 10	< 1	0.06	100	0.56
L20900E-4850N	201 202	< 5	1140	< 0.2	1.25	18	320	1.5	< 2	0.11	1.0	8	16	15	4.33	< 10	< 1	0.06	90	0.51
L20900E-4900N	201 202	5	1600	< 0.2	1.38	22	660	1.5	< 2	0.35	0.5	9	25	19	4.57	< 10	< 1	0.06	120	0.47
L20900E-4950N	201 202	< 5	1720	< 0.2	1.28	20	520	1.5	< 2	0.30	1.0	9	20	21	4.85	< 10	< 1	0.12	130	0.43
L20900E-5000N	201 202	< 5	2000	< 0.2	1.26	22	610	1.5	< 2	0.26	0.5	8	22	17	4.57	< 10	< 1	0.09	140	0.45
L20900E-5050N	201 202	< 5	2000	< 0.2	1.30	24	600	1.5	< 2	0.22	0.5	8	23	16	4.47	< 10	< 1	0.09	130	0.45
L20900E-5100N	201 202	< 5	2100	< 0.2	1.20	16	460	1.5	< 2	0.43	0.5	7	21	12	3.96	< 10	< 1	0.10	90	0.36
L20900E-5150N	201 202	< 5	2000	< 0.2	1.22	18	720	1.5	< 2	0.50	0.5	7	15	14	3.90	< 10	< 1	0.06	220	0.36
L20900E-5200N	201 202	< 5	1820	< 0.2	1.09	16	320	1.0	< 2	0.25	0.5	7	17	11	3.92	< 10	< 1	0.07	100	0.41
L20900E-5250N	201 202	5	1600	< 0.2	1.22	14	310	0.5	< 2	0.42	0.5	7	22	11	4.30	< 10	< 1	0.08	110	0.34
L20900E-5300N	201 202	< 5	940	< 0.2	0.92	18	80	0.5	< 2	0.05	< 0.5	5	18	13	4.45	< 10	< 1	0.08	60	0.14
L20900E-5350N	201 202	< 5	760	< 0.2	0.96	26	80	< 0.5	< 2	0.03	< 0.5	4	13	13	5.18	< 10	< 1	0.08	70	0.10
L20900E-5400N	201 202	< 5	780	< 0.2	0.77	44	150	0.5	< 2	0.06	0.5	4	12	14	3.69	< 10	< 1	0.11	50	0.10

CERTIFICATION: Hartfuller

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : PTH 98-01
Comments: ATTN: STEWART HARRIS

Certificate Date: 18-SEP-1998
Invoice No. :19830664
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9830664

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L20300E-5350N	201	202	255	24	< 0.01	46	1030	48	10	2	75	< 0.01	< 10	< 10	67	< 10	528
L20300E-5400N	201	202	245	25	< 0.01	32	700	40	10	1	44	< 0.01	< 10	< 10	80	< 10	406
L20600E-4685N	201	202	3560	24	< 0.01	156	750	30	< 2	16	54	< 0.01	< 10	< 10	78	< 10	142
L20600E-4700N	201	202	3150	24	< 0.01	77	660	36	< 2	6	28	< 0.01	< 10	< 10	24	< 10	116
L20600E-4750N	201	202	2100	16	< 0.01	34	360	22	< 2	3	22	< 0.01	< 10	< 10	12	< 10	82
L20600E-4800N	201	202	1575	18	< 0.01	9	660	52	< 2	2	67	< 0.01	< 10	< 10	7	< 10	82
L20600E-4900N	201	202	960	17	< 0.01	10	920	60	2	3	66	0.01	< 10	< 10	9	< 10	106
L20600E-4950N	201	202	610	19	< 0.01	9	970	60	< 2	2	66	< 0.01	< 10	< 10	8	< 10	114
L20600E-5000N	201	202	1065	17	< 0.01	10	910	48	< 2	1	53	0.01	< 10	< 10	12	< 10	122
L20600E-5050N	201	202	595	16	0.03	9	940	68	< 2	1	59	0.01	< 10	< 10	12	< 10	86
L20600E-5100N	201	202	415	9	< 0.01	14	650	20	< 2	< 1	14	0.01	< 10	< 10	27	< 10	88
L20600E-5150N	201	202	360	9	< 0.01	16	670	16	< 2	1	16	0.05	< 10	< 10	36	< 10	86
L20600E-5200N	201	202	915	24	< 0.01	9	680	42	< 2	1	16	0.01	< 10	< 10	14	< 10	124
L20600E-5250N	201	202	2250	21	< 0.01	8	400	12	< 2	3	31	< 0.01	< 10	< 10	7	< 10	104
L20600E-5300N	201	202	900	16	< 0.01	18	1490	28	< 2	1	24	0.01	< 10	< 10	24	< 10	108
L20600E-5350N	201	202	260	16	< 0.01	17	490	28	4	1	24	< 0.01	< 10	< 10	62	< 10	172
L20600E-5400N	201	202	370	16	< 0.01	18	920	32	2	1	31	< 0.01	< 10	< 10	36	< 10	152
L20600E-5450N	201	202	285	11	< 0.01	18	920	24	< 2	< 1	14	< 0.01	< 10	< 10	19	< 10	150
L20600E-5500N	201	202	295	10	< 0.01	26	890	28	< 2	1	31	< 0.01	< 10	< 10	16	< 10	168
L20600E-5550N	201	202	310	9	< 0.01	38	840	24	< 2	2	36	< 0.01	< 10	< 10	31	< 10	278
L20600E-5600N	201	202	95	5	< 0.01	31	720	20	< 2	1	34	< 0.01	< 10	< 10	27	< 10	172
L20900E-4500N	201	202	1220	26	< 0.01	9	340	116	< 2	1	32	< 0.01	< 10	< 10	5	< 10	138
L20900E-4550N	201	202	1330	15	0.01	65	1260	36	< 2	5	107	< 0.01	< 10	< 10	36	< 10	572
L20900E-4600N	201	202	1805	15	< 0.01	49	1350	90	< 2	6	74	< 0.01	< 10	< 10	30	< 10	364
L20900E-4650N	201	202	1700	14	0.01	44	1090	72	< 2	5	64	0.01	< 10	< 10	32	< 10	378
L20900E-4700N	201	202	1885	12	< 0.01	34	970	72	< 2	4	47	< 0.01	< 10	< 10	21	< 10	346
L20900E-4750N	201	202	1725	9	< 0.01	30	560	98	< 2	2	33	0.05	< 10	< 10	19	< 10	218
L20900E-4800N	201	202	1420	8	< 0.01	22	520	96	< 2	1	26	0.03	< 10	< 10	17	< 10	210
L20900E-4850N	201	202	1445	10	< 0.01	17	440	66	< 2	1	19	0.01	< 10	< 10	13	< 10	174
L20900E-4900N	201	202	1105	12	< 0.01	24	630	68	< 2	2	30	< 0.01	< 10	< 10	18	< 10	168
L20900E-4950N	201	202	1835	19	< 0.01	23	580	58	< 2	3	37	< 0.01	< 10	< 10	19	< 10	162
L20900E-5000N	201	202	1280	14	< 0.01	21	530	34	< 2	3	29	0.01	< 10	< 10	16	< 10	136
L20900E-5050N	201	202	1310	14	< 0.01	21	480	32	< 2	3	27	0.01	< 10	< 10	17	< 10	136
L20900E-5100N	201	202	960	12	< 0.01	18	630	28	< 2	2	23	< 0.01	< 10	< 10	16	< 10	120
L20900E-5150N	201	202	1305	10	< 0.01	17	600	30	< 2	1	30	< 0.01	< 10	< 10	13	< 10	126
L20900E-5200N	201	202	965	10	< 0.01	17	350	28	< 2	1	21	0.01	< 10	< 10	13	< 10	132
L20900E-5250N	201	202	835	11	< 0.01	16	1050	26	< 2	1	23	0.01	< 10	< 10	19	< 10	116
L20900E-5300N	201	202	285	10	< 0.01	12	510	30	< 2	1	11	0.04	< 10	< 10	28	< 10	110
L20900E-5350N	201	202	195	14	< 0.01	12	910	44	< 2	< 1	10	0.01	< 10	< 10	31	< 10	74
L20900E-5400N	201	202	290	46	< 0.01	14	500	38	12	< 1	10	0.01	< 10	< 10	72	< 10	94

CERTIFICATION: Hawthorne

Chemex Labs Ltd.

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Project : PTH 98-01
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Certificate Date: 18-SEP-1998
Invoice No. : I9830664
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Account : EIA

CERTIFICATE OF ANALYSIS A9830664

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
L20900E-5450N	201	202	< 5	400	< 0.2	0.70	6	50	0.5	< 2	0.07	2.0	1	2	3	1.69	< 10	< 1	0.06	10	0.12
L20900E-5500N	201	202	< 5	1520	< 0.2	0.24	16	130	< 0.5	< 2	0.07	< 0.5	1	3	7	1.01	< 10	< 1	0.08	40	0.03
L20900E-5550N	201	202	< 5	1640	0.6	0.63	26	310	0.5	< 2	0.18	1.0	11	7	46	3.45	< 10	< 1	0.12	40	0.13
L20900E-5600N	201	202	< 5	1720	1.2	0.64	14	580	< 0.5	< 2	0.09	0.5	4	7	29	1.62	< 10	< 1	0.07	< 10	0.05
L21200E-4500N	201	202	< 5	2100	0.2	0.77	180	200	1.5	< 2	0.15	1.0	15	< 1	74	14.70	10	< 1	0.84	310	0.06
L21200E-4550N	201	202	< 5	1840	< 0.2	0.66	108	330	1.5	< 2	0.15	1.0	15	1	49	10.80	< 10	< 1	0.52	300	0.06
L21200E-4600N	201	202	< 5	1620	< 0.2	0.72	40	350	1.5	< 2	0.21	1.0	14	15	28	7.36	< 10	< 1	0.38	190	0.15
L21200E-4650N	201	202	< 5	2000	< 0.2	0.99	18	180	1.5	< 2	0.22	< 0.5	11	15	25	5.55	< 10	< 1	0.07	230	0.31
L21200E-4700N	201	202	< 5	1700	< 0.2	1.29	16	210	2.0	< 2	0.30	< 0.5	16	22	30	5.64	< 10	< 1	0.07	200	0.39
L21200E-4750N	201	202	< 5	1320	< 0.2	2.40	12	430	2.0	< 2	0.64	< 0.5	23	164	62	5.56	10	< 1	0.07	130	2.02
L21200E-4800N	201	202	< 5	1420	< 0.2	2.08	14	400	2.0	< 2	0.52	< 0.5	19	118	46	5.61	10	< 1	0.10	150	1.45
L21200E-4850N	201	202	< 5	1140	< 0.2	2.59	8	370	2.0	< 2	0.82	< 0.5	20	165	41	5.38	10	< 1	0.19	160	2.04
L21200E-4900N	201	202	< 5	1240	< 0.2	1.96	6	230	2.5	< 2	0.85	< 0.5	14	133	55	5.14	< 10	< 1	0.19	100	1.29
L21200E-4950N	201	202	< 5	1600	< 0.2	0.37	10	130	1.5	< 2	0.74	< 0.5	4	5	11	5.36	< 10	< 1	0.06	170	0.11
L21200E-5000N	201	202	< 5	1120	< 0.2	0.77	12	190	1.0	< 2	0.22	< 0.5	5	27	11	4.60	< 10	< 1	0.10	110	0.26
L21200E-5050N	201	202	< 5	1420	< 0.2	1.12	12	320	1.5	< 2	0.24	0.5	8	31	13	4.28	< 10	< 1	0.10	110	0.39
L21200E-5100N	201	202	< 5	1100	0.2	1.01	18	190	0.5	2	0.09	0.5	7	22	18	5.21	< 10	< 1	0.10	90	0.16
L21200E-5150N	201	202	< 5	1060	< 0.2	0.74	10	170	0.5	< 2	0.09	< 0.5	3	6	8	3.31	< 10	< 1	0.06	70	0.08
L21200E-5200N	201	202	< 5	1320	< 0.2	0.47	12	120	< 0.5	< 2	0.14	< 0.5	7	12	13	3.52	< 10	< 1	0.08	50	0.06
L21200E-5250N	201	202	< 5	1200	< 0.2	0.48	10	100	< 0.5	< 2	0.07	< 0.5	4	11	11	2.44	< 10	< 1	0.08	40	0.05
L21200E-5300N	201	202	< 5	800	< 0.2	0.77	6	50	0.5	< 2	0.05	< 0.5	3	5	9	1.77	< 10	< 1	0.05	40	0.07
L21200E-5350N	201	202	< 5	620	< 0.2	0.75	6	150	1.0	< 2	1.13	1.0	6	8	13	1.82	< 10	< 1	0.12	120	0.13
L21200E-5400N	201	202	< 5	440	< 0.2	0.41	56	70	< 0.5	< 2	< 0.01	< 0.5	< 1	3	21	>15.00	10	< 1	0.11	40	0.01
L21200E-5450N	201	202	< 5	640	< 0.2	1.03	26	30	0.5	< 2	0.03	< 0.5	4	5	17	5.94	< 10	< 1	0.08	80	0.09
L21200E-5500N	201	202	< 5	1000	< 0.2	0.71	22	230	< 0.5	< 2	0.07	0.5	3	4	16	3.33	< 10	< 1	0.08	30	0.06
L21800E-4800N	201	202	< 5	1700	< 0.2	0.57	28	230	1.5	< 2	0.18	0.5	4	1	12	4.61	< 10	< 1	0.10	160	0.14
L21800E-4850N	201	202	< 5	2100	< 0.2	0.95	24	360	1.5	< 2	0.19	0.5	11	4	24	5.99	< 10	< 1	0.11	160	0.26
L21800E-4900N	201	202	< 5	2100	< 0.2	0.75	24	350	1.5	< 2	0.16	0.5	7	3	18	5.43	< 10	< 1	0.17	170	0.16
L21800E-4950N	201	202	< 5	2100	< 0.2	0.53	18	330	1.5	< 2	0.19	0.5	8	3	16	4.82	< 10	< 1	0.14	180	0.08
L21800E-5000N	201	202	< 5	2200	< 0.2	0.44	22	210	1.0	< 2	0.18	< 0.5	7	2	16	5.74	< 10	< 1	0.10	210	0.07
L21800E-5050N	201	202	< 5	2200	< 0.2	0.47	20	280	1.5	< 2	0.22	< 0.5	9	3	18	6.00	< 10	< 1	0.09	270	0.11
L21800E-5100N	201	202	< 5	1380	< 0.2	0.82	10	130	1.5	< 2	0.18	< 0.5	8	9	21	5.17	< 10	< 1	0.06	140	0.21
L21800E-5150N	201	202	< 5	2000	< 0.2	0.81	12	160	1.5	< 2	0.19	< 0.5	8	1	13	4.97	< 10	< 1	0.05	100	0.16
L21800E-5200N	201	202	< 5	1900	< 0.2	0.73	8	150	1.5	< 2	0.22	< 0.5	5	2	9	5.44	< 10	< 1	0.11	100	0.16
L21800E-5250N	201	202	< 5	1920	< 0.2	1.00	20	160	1.5	< 2	0.11	< 0.5	7	7	23	5.49	< 10	< 1	0.16	490	0.16
L21800E-5307N	201	202	< 5	800	< 0.2	0.70	22	200	1.5	< 2	0.09	< 0.5	6	3	18	5.67	< 10	< 1	0.13	520	0.09
L21800E-5363N	201	202	< 5	820	< 0.2	0.96	22	260	2.0	< 2	0.11	0.5	7	3	18	6.23	< 10	< 1	0.15	330	0.18
L21800E-5400N	201	202	< 5	800	< 0.2	1.14	14	130	2.0	< 2	0.08	1.0	7	6	17	5.23	< 10	< 1	0.10	110	0.14
L21800E-5450N	201	202	< 5	640	< 0.2	0.78	30	200	0.5	< 2	0.26	0.5	7	3	15	4.43	< 10	< 1	0.08	50	0.06
L21800E-5500N	201	202	< 5	740	< 0.2	0.72	28	110	0.5	< 2	0.07	0.5	5	5	13	3.84	< 10	< 1	0.07	40	0.07

CERTIFICATION: *+

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : PTH 98-01
Comments: ATTN: STEWART HARRIS

Certificate Date: 18-SEP-1998
Invoice No. :I9830664
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9830664

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L20900E-5450N	201	202	95	3	< 0.01	9	1010	8	< 2	< 1	10	< 0.01	< 10	< 10	28	< 10	214
L20900E-5500N	201	202	15	11	< 0.01	18	280	20	2	< 1	19	< 0.01	< 10	< 10	15	< 10	68
L20900E-5550N	201	202	255	11	< 0.01	46	860	46	2	2	109	< 0.01	< 10	< 10	24	< 10	222
L20900E-5600N	201	202	25	4	< 0.01	20	1050	18	< 2	< 1	55	< 0.01	< 10	< 10	30	< 10	126
L21200E-4500N	201	202	1570	70	< 0.01	15	600	304	6	4	58	< 0.01	< 10	< 10	4	< 10	466
L21200E-4550N	201	202	1895	52	< 0.01	17	580	206	2	3	42	< 0.01	< 10	< 10	4	< 10	394
L21200E-4600N	201	202	1425	27	< 0.01	21	640	90	< 2	3	44	< 0.01	< 10	< 10	10	< 10	222
L21200E-4650N	201	202	1920	19	< 0.01	20	580	30	< 2	2	23	< 0.01	< 10	< 10	9	< 10	78
L21200E-4700N	201	202	1875	19	< 0.01	27	520	52	< 2	3	30	< 0.01	< 10	< 10	12	< 10	60
L21200E-4750N	201	202	1695	9	< 0.01	71	690	14	< 2	6	56	0.14	< 10	< 10	53	< 10	74
L21200E-4800N	201	202	1535	11	< 0.01	58	710	22	< 2	5	48	0.11	< 10	< 10	41	< 10	82
L21200E-4850N	201	202	1075	9	< 0.01	90	730	14	< 2	6	62	0.12	< 10	< 10	50	< 10	98
L21200E-4900N	201	202	770	7	< 0.01	61	880	14	< 2	5	48	0.04	< 10	< 10	36	< 10	70
L21200E-4950N	201	202	440	13	< 0.01	5	630	32	< 2	1	29	< 0.01	< 10	< 10	3	< 10	90
L21200E-5000N	201	202	440	9	< 0.01	16	640	18	< 2	1	32	0.01	< 10	< 10	13	< 10	70
L21200E-5050N	201	202	1435	10	< 0.01	21	800	24	< 2	1	20	0.01	< 10	< 10	16	< 10	112
L21200E-5100N	201	202	1035	14	< 0.01	15	1450	36	< 2	1	14	< 0.01	< 10	< 10	17	< 10	118
L21200E-5150N	201	202	245	8	0.03	5	500	16	< 2	< 1	10	0.01	< 10	< 10	14	< 10	34
L21200E-5200N	201	202	270	11	< 0.01	12	800	14	< 2	< 1	11	0.01	< 10	< 10	27	< 10	82
L21200E-5250N	201	202	445	10	< 0.01	9	900	10	< 2	< 1	11	< 0.01	< 10	< 10	28	< 10	90
L21200E-5300N	201	202	505	5	0.04	4	530	6	< 2	< 1	5	0.01	< 10	< 10	14	< 10	36
L21200E-5350N	201	202	765	5	< 0.01	10	1160	8	< 2	1	42	< 0.01	< 10	< 10	11	< 10	110
L21200E-5400N	201	202	105	53	< 0.01	< 1	370	66	2	< 1	2	0.01	< 10	< 10	12	< 10	26
L21200E-5450N	201	202	210	14	0.02	9	560	56	2	< 1	6	0.01	< 10	< 10	26	< 10	106
L21200E-5500N	201	202	155	11	0.03	9	570	20	2	< 1	17	0.02	< 10	< 10	57	< 10	110
L21800E-4800N	201	202	1070	21	0.01	5	410	74	< 2	< 1	27	< 0.01	< 10	< 10	2	< 10	128
L21800E-4850N	201	202	1610	16	< 0.01	17	580	80	< 2	1	30	< 0.01	< 10	< 10	4	< 10	156
L21800E-4900N	201	202	1330	18	< 0.01	12	470	58	< 2	1	29	< 0.01	< 10	< 10	5	< 10	122
L21800E-4950N	201	202	1280	17	< 0.01	13	550	52	< 2	1	30	< 0.01	< 10	< 10	3	< 10	86
L21800E-5000N	201	202	1255	22	< 0.01	12	650	112	< 2	1	37	< 0.01	< 10	< 10	4	< 10	102
L21800E-5050N	201	202	1810	17	< 0.01	16	760	66	< 2	2	26	< 0.01	< 10	< 10	4	< 10	100
L21800E-5100N	201	202	1475	11	< 0.01	16	730	18	< 2	2	15	< 0.01	< 10	< 10	10	< 10	80
L21800E-5150N	201	202	1285	12	< 0.01	7	510	16	< 2	1	11	< 0.01	< 10	< 10	4	< 10	106
L21800E-5200N	201	202	1120	14	0.01	3	560	46	< 2	1	27	< 0.01	< 10	< 10	3	< 10	100
L21800E-5250N	201	202	1020	21	< 0.01	9	870	42	< 2	1	33	0.01	< 10	< 10	13	< 10	92
L21800E-5307N	201	202	1120	29	< 0.01	5	430	42	< 2	1	30	< 0.01	< 10	< 10	6	< 10	118
L21800E-5363N	201	202	1625	23	< 0.01	10	510	32	< 2	1	23	< 0.01	< 10	< 10	10	< 10	130
L21800E-5400N	201	202	1830	12	0.01	14	910	34	< 2	1	13	0.01	< 10	< 10	23	< 10	200
L21800E-5450N	201	202	370	26	0.02	22	1150	32	4	< 1	15	< 0.01	< 10	< 10	36	< 10	160
L21800E-5500N	201	202	435	19	< 0.01	20	1830	26	2	< 1	11	< 0.01	< 10	< 10	54	< 10	206

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : PTH 98-01
Comments: ATTN: STEWART HARRIS

Page Number :5-A
Total Pages :6
Certificate Date: 18-SEP-1998
Invoice No. :I9830664
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9830664

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
LJK-02-100E	201	202	< 5	1160	< 0.2	1.76	6	380	< 0.5	< 2	0.21	< 0.5	9	72	14	2.43	< 10	< 1	0.08	10	0.43
LJK-02-200E	201	202	< 5	1140	< 0.2	1.08	8	480	< 0.5	< 2	0.21	< 0.5	10	46	12	1.83	< 10	< 1	0.08	10	0.34
LJK-02-300E	201	202	< 5	1500	< 0.2	1.99	8	350	0.5	< 2	0.27	< 0.5	13	93	23	3.27	< 10	< 1	0.14	20	0.63
LJK-02-400E	201	202	< 5	14400	< 0.2	2.00	12	400	0.5	2	0.45	< 0.5	20	104	33	3.80	< 10	< 1	0.10	20	0.92
LJK-02-500E	201	202	< 5	1640	< 0.2	2.21	8	260	0.5	< 2	0.63	0.5	23	137	46	3.69	< 10	< 1	0.10	30	1.56
LJK-02-600E	201	202	< 5	2000	< 0.2	2.85	16	400	1.0	2	0.96	0.5	25	197	62	5.21	< 10	< 1	0.13	50	2.13
LJK-02-700E	201	202	< 5	2000	< 0.2	0.82	8	180	0.5	< 2	0.06	< 0.5	7	12	21	3.01	< 10	< 1	0.17	60	0.12
LJK-02-800E	201	202	< 5	1340	< 0.2	1.04	10	140	< 0.5	< 2	0.06	< 0.5	6	19	12	2.65	< 10	< 1	0.10	40	0.15
LJK-02-900E	201	202	< 5	1940	< 0.2	0.98	10	350	0.5	< 2	0.04	0.5	5	10	12	2.61	< 10	< 1	0.14	60	0.08
LJK-02-1000E	201	202	< 5	1420	< 0.2	0.89	6	120	< 0.5	< 2	0.07	< 0.5	5	18	13	2.20	< 10	< 1	0.09	40	0.15
LJK-02-1100E	201	202	< 5	1800	< 0.2	0.97	16	490	0.5	< 2	0.01	< 0.5	5	5	14	3.61	< 10	< 1	0.08	70	0.06
LJK-02-1200E	201	202	< 5	2500	1.0	0.58	12	480	< 0.5	< 2	0.01	< 0.5	6	9	31	2.03	< 10	< 1	0.05	10	0.05
RH-01-0N	201	202	< 5	1420	< 0.2	1.25	14	170	0.5	< 2	0.37	< 0.5	11	42	31	3.82	< 10	< 1	0.05	60	0.75
RH-01-100N	201	202	< 5	1020	< 0.2	1.34	14	80	< 0.5	< 2	0.03	< 0.5	8	36	21	4.28	< 10	< 1	0.04	30	0.50
RH-01-200N	201	202	< 5	1000	< 0.2	1.55	8	130	< 0.5	< 2	0.07	< 0.5	7	37	12	3.40	< 10	< 1	0.06	40	0.57
RH-01-300N	201	202	< 5	900	< 0.2	0.76	6	50	< 0.5	< 2	0.06	< 0.5	1	6	3	1.28	< 10	< 1	0.03	20	0.07
RH-01-400N	201	202	< 5	1040	< 0.2	0.56	2	160	< 0.5	< 2	0.33	< 0.5	< 1	4	3	0.70	< 10	< 1	0.04	30	0.04
RH-01-500N	201	202	< 5	1000	< 0.2	1.10	12	270	0.5	< 2	0.24	0.5	7	25	16	4.98	< 10	< 1	0.07	110	0.33
RH-01-600N	201	202	< 5	1460	0.4	1.28	18	320	0.5	< 2	0.89	3.5	11	27	24	4.25	< 10	< 1	0.11	70	0.38
RH-01-700N	201	202	< 5	1640	0.2	1.19	14	370	0.5	< 2	1.17	1.0	8	24	25	3.02	< 10	< 1	0.10	50	0.38
RH-01-800N	201	202	< 5	1500	0.2	1.06	12	510	0.5	< 2	0.83	1.0	8	23	19	2.40	< 10	< 1	0.07	50	0.26
RH-01-900N	201	202	< 5	1540	0.2	0.88	14	430	< 0.5	< 2	0.44	0.5	8	18	17	2.03	< 10	< 1	0.05	30	0.27
RH-01-1000N	201	202	< 5	1940	0.2	0.99	16	330	< 0.5	< 2	1.05	1.5	8	20	20	2.33	< 10	< 1	0.07	20	0.45
SD-01-100W	201	202	< 5	1140	< 0.2	1.14	36	130	< 0.5	< 2	0.26	0.5	10	32	21	7.30	< 10	< 1	0.04	40	0.48
SD-01-200W	201	202	< 5	1140	0.4	1.24	12	290	0.5	< 2	0.48	0.5	6	19	15	2.96	< 10	< 1	0.04	50	0.31
SD-01-300W	201	202	< 5	1590	< 0.2	0.92	20	340	< 0.5	< 2	0.38	< 0.5	5	17	13	3.49	< 10	< 1	0.04	60	0.26
SD-01-400W	201	202	< 5	1400	< 0.2	0.86	12	260	< 0.5	< 2	0.45	< 0.5	4	15	11	3.22	< 10	< 1	0.06	60	0.27
SD-01-500W	201	202	< 5	640	< 0.2	0.46	54	100	0.5	< 2	0.36	< 0.5	9	4	29	11.65	< 10	< 1	0.03	160	0.09
SD-01-600W	201	202	< 5	1100	0.2	1.22	16	340	0.5	< 2	0.29	< 0.5	7	22	15	3.84	< 10	< 1	0.06	70	0.39
SD-02-0W	201	202	< 5	1200	0.2	1.13	14	200	0.5	< 2	0.61	< 0.5	6	20	15	3.97	< 10	< 1	0.08	70	0.40
SD-02-100W	201	202	< 5	840	< 0.2	1.03	14	200	0.5	< 2	0.98	< 0.5	4	14	16	3.01	< 10	< 1	0.03	50	0.28
SD-02-200W	201	202	< 5	1000	< 0.2	0.84	20	160	0.5	< 2	0.54	< 0.5	6	18	17	4.93	< 10	< 1	0.06	80	0.35
SD-02-300W	201	202	< 5	9000	0.2	0.94	8	230	< 0.5	< 2	0.97	< 0.5	4	14	11	2.59	< 10	< 1	0.04	40	0.27
SD-02-400W	201	202	< 5	1000	< 0.2	1.11	18	190	0.5	< 2	0.61	0.5	6	19	13	3.48	< 10	< 1	0.04	50	0.40
SD-02-500W	201	202	< 5	1000	< 0.2	1.54	26	330	1.0	< 2	0.47	< 0.5	8	31	15	4.27	< 10	< 1	0.06	60	0.63
5000N-20450E	201	202	< 5	380	< 0.2	2.75	16	130	4.0	< 2	0.14	< 0.5	1	3	12	6.03	< 10	< 1	0.12	210	0.18
5000N-20500E	201	202	< 5	1420	0.2	0.88	30	250	1.5	< 2	0.04	2.0	6	13	18	6.02	< 10	< 1	0.14	140	0.13
5000N-20550E	201	202	< 5	2000	< 0.2	1.30	54	630	1.0	< 2	0.14	0.5	7	7	26	7.30	10	< 1	0.33	780	0.15
5000N-20650E	201	202	< 5	3200	< 0.2	0.73	22	540	0.5	< 2	0.15	0.5	7	12	18	5.41	< 10	< 1	0.14	200	0.19
5000N-20700E	201	202	< 5	2200	< 0.2	1.69	24	500	1.5	< 2	0.32	0.5	18	40	43	6.28	< 10	< 1	0.10	210	0.57

CERTIFICATION: Hawthickler

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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : PTH 98-01
Comments: ATTN: STEWART HARRIS

Certificate Date: 18-SEP-1998
Invoice No. : I9830664
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9830664

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
LJK-02-100E	201	202	280	1	< 0.01	31	510	8	< 2	2	18	0.06	< 10	< 10	52	< 10	46
LJK-02-200E	201	202	485	1	0.01	27	710	6	< 2	2	19	0.05	< 10	< 10	32	< 10	34
LJK-02-300E	201	202	210	1	< 0.01	53	910	10	< 2	3	21	0.07	< 10	< 10	53	< 10	86
LJK-02-400E	201	202	685	2	< 0.01	68	870	12	< 2	5	28	0.12	< 10	< 10	58	< 10	82
LJK-02-500E	201	202	590	4	< 0.01	101	1090	8	< 2	5	38	0.20	< 10	< 10	62	< 10	116
LJK-02-600E	201	202	675	6	< 0.01	128	900	14	< 2	7	49	0.32	< 10	< 10	85	< 10	76
LJK-02-700E	201	202	705	5	< 0.01	13	700	14	< 2	< 1	8	< 0.01	< 10	< 10	11	< 10	116
LJK-02-800E	201	202	570	4	< 0.01	13	690	24	< 2	< 1	9	0.01	< 10	< 10	26	< 10	50
LJK-02-900E	201	202	455	3	< 0.01	10	750	12	< 2	< 1	8	< 0.01	< 10	< 10	16	< 10	78
LJK-02-1000E	201	202	210	3	< 0.01	17	910	10	< 2	< 1	9	< 0.01	< 10	< 10	19	< 10	58
LJK-02-1100E	201	202	405	6	< 0.01	10	690	22	< 2	< 1	8	< 0.01	< 10	< 10	10	< 10	98
LJK-02-1200E	201	202	180	1	0.01	23	600	10	< 2	< 1	8	< 0.01	< 10	< 10	20	< 10	78
RH-01-0N	201	202	365	4	< 0.01	42	670	24	< 2	4	21	0.05	< 10	< 10	33	< 10	118
RH-01-100N	201	202	220	4	< 0.01	27	370	28	< 2	1	6	0.06	< 10	< 10	55	< 10	112
RH-01-200N	201	202	215	4	< 0.01	24	360	14	< 2	1	9	0.03	< 10	< 10	50	< 10	86
RH-01-300N	201	202	80	2	0.04	3	220	6	< 2	< 1	8	0.01	< 10	< 10	20	< 10	22
RH-01-400N	201	202	80	1	0.04	1	300	8	< 2	< 1	21	< 0.01	< 10	< 10	9	< 10	14
RH-01-500N	201	202	1205	7	< 0.01	19	600	34	< 2	2	19	0.01	< 10	< 10	22	< 10	122
RH-01-600N	201	202	850	5	0.01	33	900	44	< 2	3	44	0.02	< 10	< 10	20	< 10	314
RH-01-700N	201	202	365	4	0.01	27	910	30	< 2	3	51	0.01	< 10	< 10	21	< 10	182
RH-01-800N	201	202	425	3	0.01	24	710	16	< 2	2	35	0.01	< 10	< 10	19	< 10	128
RH-01-900N	201	202	285	3	0.01	24	740	16	< 2	1	26	0.02	< 10	< 10	19	< 10	116
RH-01-1000N	201	202	385	3	< 0.01	25	780	20	< 2	3	43	0.01	< 10	< 10	20	< 10	226
SD-01-100W	201	202	620	9	< 0.01	24	640	218	< 2	1	10	0.03	< 10	< 10	27	< 10	136
SD-01-200W	201	202	790	3	0.02	16	790	26	< 2	1	18	0.01	< 10	< 10	25	< 10	82
SD-01-300W	201	202	205	4	0.01	16	380	56	< 2	1	14	0.02	< 10	< 10	26	< 10	68
SD-01-400W	201	202	250	5	0.01	13	450	36	< 2	1	15	0.01	< 10	< 10	23	< 10	60
SD-01-500W	201	202	705	32	< 0.01	26	560	330	< 2	1	14	< 0.01	< 10	< 10	7	< 10	32
SD-01-600W	201	202	535	5	0.01	19	730	40	< 2	1	14	0.01	< 10	< 10	25	< 10	72
SD-02-0W	201	202	600	4	< 0.01	17	710	30	< 2	2	30	0.01	< 10	< 10	23	< 10	82
SD-02-100W	201	202	465	4	< 0.01	12	740	28	< 2	1	49	0.01	< 10	< 10	16	< 10	50
SD-02-200W	201	202	510	6	< 0.01	17	560	44	< 2	2	32	0.02	< 10	< 10	18	< 10	94
SD-02-300W	201	202	585	3	0.01	11	650	16	< 2	1	39	0.01	< 10	< 10	16	< 10	60
SD-02-400W	201	202	380	4	0.01	19	660	22	< 2	1	43	0.01	< 10	< 10	19	< 10	174
SD-02-500W	201	202	440	4	< 0.01	26	540	28	< 2	3	32	0.01	< 10	< 10	27	< 10	128
5000N-20450E	201	202	1225	34	< 0.01	4	120	40	< 2	< 1	13	< 0.01	< 10	< 10	3	< 10	156
5000N-20500E	201	202	1930	23	< 0.01	13	740	68	< 2	1	20	0.02	< 10	< 10	22	< 10	268
5000N-20550E	201	202	890	42	< 0.01	12	1030	128	< 2	1	47	0.01	10	< 10	15	< 10	130
5000N-20650E	201	202	1110	13	< 0.01	12	700	52	< 2	1	34	< 0.01	< 10	< 10	8	< 10	96
5000N-20700E	201	202	860	12	< 0.01	46	910	94	< 2	5	30	0.01	< 10	< 10	22	< 10	284

CERTIFICATION: Hawthorne+

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : PTH 98-01
Comments: ATTN: STEWART HARRIS

Certificate Date: 18-SEP-1998
Invoice No. : I9830664
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9830664

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
5000N-20750E	201	202	< 5	2100	< 0.2	1.40	20	430	1.5	< 2	0.35	0.5	11	35	28	5.24	< 10	< 1	0.10	180	0.50
5000N-20800E	201	202	< 5	2100	< 0.2	1.44	16	620	1.5	< 2	0.35	0.5	10	32	24	5.12	< 10	< 1	0.09	160	0.45
5000N-20850E	201	202	< 5	2200	< 0.2	1.58	20	520	1.5	< 2	0.33	0.5	12	24	29	5.38	< 10	< 1	0.10	120	0.43
5000N-20950E	201	202	< 5	2100	< 0.2	1.67	24	850	1.5	< 2	0.35	0.5	6	19	17	4.00	< 10	< 1	0.11	120	0.37
5000N-21000E	201	202	< 5	1620	< 0.2	1.42	18	470	1.5	< 2	0.18	0.5	8	24	21	4.75	< 10	< 1	0.12	120	0.45
5000N-21050E	201	202	< 5	1420	< 0.2	1.53	12	400	1.5	< 2	0.33	< 0.5	8	35	16	5.03	< 10	< 1	0.10	140	0.58
5000N-21100E	201	202	< 5	1200	< 0.2	0.88	12	140	1.0	< 2	0.33	< 0.5	7	38	15	4.48	< 10	< 1	0.10	80	0.41
5000N-21150E	201	202	< 5	1000	< 0.2	0.83	14	190	1.5	< 2	0.30	< 0.5	5	25	13	5.14	< 10	< 1	0.15	100	0.27
5000N-21250E	201	202	< 5	1020	< 0.2	0.78	10	140	1.0	< 2	0.15	< 0.5	5	25	11	4.49	< 10	< 1	0.09	120	0.25
5000N-21300E	201	202	< 5	1000	< 0.2	0.39	18	100	< 0.5	< 2	0.09	0.5	4	5	11	4.34	< 10	< 1	0.09	60	0.05
5000N-21350E	201	202	< 5	1400	< 0.2	0.76	20	200	1.0	< 2	0.10	< 0.5	4	4	10	5.90	< 10	< 1	0.11	120	0.10
5000N-21400E	201	202	< 5	1380	< 0.2	0.83	22	220	1.0	< 2	0.40	0.5	7	5	16	6.02	< 10	< 1	0.07	110	0.20
5000N-21450E	201	202	< 5	800	< 0.2	0.41	10	90	< 0.5	< 2	0.09	< 0.5	4	4	7	3.37	< 10	< 1	0.08	50	0.06
5000N-21500E	201	202	< 5	800	< 0.2	0.27	20	80	0.5	< 2	0.05	< 0.5	5	1	8	4.56	< 10	< 1	0.05	120	0.04

CERTIFICATION: Stewart Harris

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : PTH 98-01
Comments: ATTN: STEWART HARRIS

Certificate Date: 18-SEP-1998
Invoice No. : I9830664
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9830664

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
5000N-20750E	201	202	885	11	< 0.01	31	800	44	< 2	4	28	0.02	< 10	< 10	20	< 10	158
5000N-20800E	201	202	805	9	< 0.01	27	740	38	< 2	4	27	0.02	< 10	< 10	20	< 10	128
5000N-20850E	201	202	1190	11	< 0.01	31	530	72	< 2	4	25	< 0.01	< 10	< 10	16	< 10	182
5000N-20950E	201	202	1095	12	0.01	18	610	34	< 2	2	26	< 0.01	< 10	< 10	16	< 10	122
5000N-21000E	201	202	1160	14	< 0.01	23	560	52	< 2	3	31	0.01	< 10	< 10	21	< 10	160
5000N-21050E	201	202	1095	11	< 0.01	25	580	32	< 2	2	24	0.01	< 10	< 10	16	< 10	136
5000N-21100E	201	202	725	8	< 0.01	22	680	14	< 2	1	20	0.03	< 10	< 10	16	< 10	78
5000N-21150E	201	202	555	9	< 0.01	15	860	18	< 2	1	36	0.01	< 10	< 10	11	< 10	100
5000N-21250E	201	202	395	8	< 0.01	14	610	16	< 2	1	27	0.01	< 10	< 10	12	< 10	84
5000N-21300E	201	202	505	12	< 0.01	6	680	44	< 2	< 1	8	< 0.01	< 10	< 10	6	< 10	144
5000N-21350E	201	202	895	19	< 0.01	7	540	46	< 2	1	28	< 0.01	< 10	< 10	4	< 10	128
5000N-21400E	201	202	1225	14	< 0.01	10	490	50	< 2	1	18	< 0.01	< 10	< 10	6	< 10	188
5000N-21450E	201	202	545	6	< 0.01	6	850	16	< 2	< 1	12	< 0.01	< 10	< 10	10	< 10	54
5000N-21500E	201	202	865	11	< 0.01	8	670	36	< 2	1	11	< 0.01	< 10	< 10	3	< 10	54

CERTIFICATION: Hartfuhlen

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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J.WEBER CC:VIC TANAKA

Certificate Date: 29-SEP-1998
Invoice No. :I9831125
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831125

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
BL6000N 30050E	201	202	< 5	0.2	1.20	12	230	0.5	< 2	0.35	2.0	11	44	36	4.41	< 10	< 1	0.07	90	0.48	950
BL6000N 30100E	201	202	< 5	< 0.2	1.25	12	180	< 0.5	< 2	0.13	< 0.5	7	76	16	5.10	< 10	< 1	0.11	60	0.39	2400
BL6000N 30150E	201	202	< 5	0.2	0.84	12	220	0.5	< 2	0.27	1.5	12	15	34	3.52	< 10	< 1	0.09	50	0.21	510
BL6000N 30200E	201	202	< 5	< 0.2	1.09	22	220	< 0.5	< 2	0.09	< 0.5	9	42	21	4.95	< 10	< 1	0.08	60	0.31	3130
BL6000N 30250E	201	202	< 5	0.2	0.80	14	190	0.5	< 2	0.08	2.0	9	12	24	3.26	< 10	< 1	0.07	40	0.16	325
BL6000N 30350E	201	202	< 5	0.2	0.93	12	70	< 0.5	2	0.18	0.5	10	15	40	3.75	< 10	< 1	0.06	10	0.31	345
BL6000N 30400E	201	202	< 5	< 0.2	0.39	2	100	< 0.5	< 2	0.23	< 0.5	11	4	16	2.65	< 10	< 1	0.06	10	0.13	490
BL6000N 30401E	201	202	< 5	< 0.2	0.23	20	200	< 0.5	< 2	0.19	< 0.5	20	3	18	4.24	< 10	< 1	0.06	< 10	0.06	1165
BL6000N 30450E	201	202	< 5	< 0.2	0.91	6	160	0.5	< 2	0.66	< 0.5	5	12	11	2.83	< 10	< 1	0.06	40	0.22	600
BL6000N 30500E	201	202	< 5	< 0.2	0.70	8	90	< 0.5	< 2	0.07	0.5	5	12	12	3.39	< 10	< 1	0.07	30	0.09	1065
BL6000N 30550E	201	202	< 5	< 0.2	0.58	12	50	< 0.5	< 2	0.05	0.5	4	14	12	4.51	< 10	< 1	0.07	80	0.12	640
BL6000N 30650E	201	202	< 5	< 0.2	0.92	2	100	0.5	< 2	0.12	0.5	5	12	8	2.62	< 10	< 1	0.07	40	0.12	510
BL6000N 30700E	201	202	< 5	< 0.2	0.69	10	80	0.5	< 2	0.11	0.5	7	12	12	3.33	< 10	< 1	0.08	70	0.17	670
BL6000N 30750E	201	202	< 5	< 0.2	0.92	8	140	0.5	< 2	0.20	0.5	10	16	14	4.27	< 10	< 1	0.08	80	0.21	905
BL6000N 30800E	201	202	< 5	< 0.2	1.35	6	180	0.5	< 2	0.24	0.5	4	16	11	3.38	< 10	< 1	0.10	80	0.18	415
BL6000N 30850E	201	202	< 5	< 0.2	0.87	24	130	0.5	< 2	0.20	0.5	7	13	17	3.22	< 10	< 1	0.07	50	0.15	485
BL6000N 30950E	201	202	< 5	< 0.2	1.62	< 2	170	1.0	< 2	0.34	< 0.5	11	50	17	4.93	< 10	< 1	0.07	80	0.53	1000
BL6000N 31000E	201	202	< 5	0.2	0.73	28	100	1.5	< 2	0.16	2.0	12	12	30	5.18	< 10	< 1	0.08	110	0.12	1375
BL6000N 31050E	201	202	< 5	< 0.2	0.93	10	210	1.5	< 2	0.72	0.5	12	11	26	4.94	< 10	< 1	0.09	100	0.14	730
BL6000N 31100E	201	202	< 5	0.6	0.61	38	180	0.5	< 2	0.25	3.5	7	17	51	4.54	< 10	< 1	0.11	90	0.07	515
BL6000N 31150E	201	202	< 5	< 0.2	0.69	22	90	0.5	< 2	0.11	1.0	7	11	22	4.19	< 10	< 1	0.07	90	0.09	750
BL6000N 31250E	201	202	< 5	< 0.2	0.82	20	120	1.0	< 2	0.09	1.0	6	5	12	6.27	< 10	< 1	0.08	90	0.09	2910
BL6000N 31300E	201	202	< 5	< 0.2	1.42	20	90	1.5	< 2	0.19	2.5	5	4	22	5.99	< 10	< 1	0.09	70	0.20	2160
BL6000N 31350E	201	202	< 5	0.6	0.58	38	80	0.5	< 2	0.15	2.5	3	8	24	2.65	< 10	< 1	0.12	50	0.08	580
BL6000N 31400E	201	202	< 5	< 0.2	2.79	6	130	1.5	< 2	0.41	1.0	2	3	2	4.95	10	< 1	0.11	110	0.45	2040
BL6000N 31450E	201	202	< 5	< 0.2	1.08	26	60	0.5	< 2	0.04	3.5	4	11	24	4.05	< 10	< 1	0.06	50	0.12	905
BL6000N 31500E	201	202	< 5	< 0.2	0.72	22	50	0.5	< 2	0.19	< 0.5	5	5	9	4.74	< 10	< 1	0.07	70	0.09	1045
BL6000N 31505E	201	202	< 5	< 0.2	0.65	20	50	0.5	< 2	0.23	< 0.5	6	4	9	4.55	< 10	< 1	0.08	70	0.08	1245
BL6000N 31550E	201	202	< 5	0.8	0.50	50	40	1.0	< 2	0.09	6.0	12	3	28	5.95	< 10	< 1	0.07	90	0.06	2830
BL6000N 31600E	201	202	< 5	0.6	0.84	48	50	1.0	< 2	0.27	2.0	4	3	24	6.07	< 10	< 1	0.08	90	0.13	1680
BL6000N 31650E	201	202	< 5	1.8	0.55	56	60	1.0	< 2	0.33	0.5	2	6	21	4.63	< 10	< 1	0.11	90	0.08	1220
BL6000N 31700E	201	202	< 5	< 0.2	0.87	36	120	1.5	< 2	0.09	< 0.5	5	3	24	6.24	< 10	< 1	0.11	260	0.12	1900
BL6000N 31750E	201	202	< 5	0.2	1.05	22	140	1.5	< 2	0.22	< 0.5	4	2	19	6.51	< 10	< 1	0.11	270	0.20	2010
BL6000N 31800E	201	202	< 5	< 0.2	1.06	52	190	1.0	< 2	0.21	1.5	5	4	24	9.98	10	< 1	0.41	210	0.16	1505
BL6000N 31850E	201	202	< 5	0.4	1.10	30	170	1.0	< 2	0.21	0.5	6	11	22	7.04	< 10	< 1	0.23	330	0.27	1215
BL6000N 31900E	201	202	< 5	0.2	0.72	42	230	1.0	< 2	0.13	0.5	5	3	21	7.64	< 10	< 1	0.33	230	0.09	1470
BL6000N 31950E	201	202	< 5	0.2	0.79	44	140	0.5	< 2	0.16	0.5	6	3	15	8.75	< 10	< 1	0.62	120	0.08	1490
BL6000N 32000E	201	202	< 5	0.4	1.23	26	310	1.5	< 2	0.23	0.5	6	7	19	8.66	< 10	< 1	0.47	60	0.14	1215
BL6000N 32050E	201	202	< 5	0.2	1.57	32	290	1.5	< 2	0.28	0.5	7	7	19	8.27	< 10	< 1	0.44	100	0.18	1095
BL6000N 32150E	201	202	< 5	< 0.2	2.08	44	240	1.5	< 2	0.55	0.5	20	97	40	7.62	10	< 1	0.42	130	1.35	1870

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J.WEBER CC:VIC TANAKA

Certificate Date: 29-SEP-1998
Invoice No. :I9831125
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831125

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
BL6000N 30050E	201	202	7	0.01	44	800	30	< 2	1	28	0.03	< 10	< 10	29	< 10	246	1450
BL6000N 30100E	201	202	7	< 0.01	25	1030	24	< 2	1	26	0.08	< 10	< 10	59	< 10	152	1210
BL6000N 30150E	201	202	7	0.01	37	950	26	2	1	31	< 0.01	< 10	< 10	22	< 10	258	1700
BL6000N 30200E	201	202	8	< 0.01	22	1000	28	< 2	< 1	13	0.03	< 10	< 10	42	< 10	138	1650
BL6000N 30250E	201	202	5	< 0.01	28	760	20	< 2	1	22	< 0.01	< 10	< 10	22	< 10	220	2600
BL6000N 30350E	201	202	5	< 0.01	40	880	24	< 2	1	23	< 0.01	< 10	< 10	25	< 10	282	1450
BL6000N 30400E	201	202	3	< 0.01	18	570	22	< 2	5	12	< 0.01	< 10	< 10	7	< 10	72	1740
BL6000N 30401E	201	202	1	< 0.01	18	470	52	2	24	11	< 0.01	< 10	< 10	17	< 10	70	2400
BL6000N 30450E	201	202	7	0.01	15	950	16	< 2	1	31	< 0.01	< 10	< 10	17	< 10	124	1150
BL6000N 30500E	201	202	4	0.01	16	1040	14	< 2	1	10	< 0.01	< 10	< 10	20	< 10	118	1590
BL6000N 30550E	201	202	8	< 0.01	11	610	20	< 2	< 1	8	0.01	< 10	< 10	20	< 10	182	900
BL6000N 30650E	201	202	7	0.01	18	1060	14	< 2	< 1	13	< 0.01	< 10	< 10	19	< 10	120	1140
BL6000N 30700E	201	202	6	< 0.01	19	630	16	< 2	1	12	0.01	< 10	< 10	15	< 10	126	1300
BL6000N 30750E	201	202	9	< 0.01	26	790	22	< 2	2	17	0.01	< 10	< 10	19	< 10	186	1190
BL6000N 30800E	201	202	8	0.01	19	900	20	< 2	1	19	< 0.01	< 10	< 10	24	< 10	186	1350
BL6000N 30850E	201	202	13	0.01	28	840	28	< 2	1	23	< 0.01	< 10	< 10	32	< 10	192	1180
BL6000N 30950E	201	202	10	< 0.01	35	850	12	6	1	20	0.01	< 10	< 10	31	< 10	160	1210
BL6000N 31000E	201	202	25	< 0.01	58	840	30	4	3	29	< 0.01	< 10	< 10	45	< 10	310	1090
BL6000N 31050E	201	202	12	< 0.01	31	1040	18	< 2	4	36	< 0.01	< 10	< 10	19	< 10	114	1880
BL6000N 31100E	201	202	32	< 0.01	42	1400	46	12	3	101	< 0.01	< 10	< 10	113	< 10	372	1220
BL6000N 31150E	201	202	26	< 0.01	32	1000	26	2	< 1	33	< 0.01	< 10	< 10	53	< 10	260	1030
BL6000N 31250E	201	202	14	< 0.01	23	490	12	< 2	2	9	< 0.01	< 10	< 10	10	< 10	222	680
BL6000N 31300E	201	202	20	< 0.01	24	430	22	< 2	1	16	< 0.01	< 10	< 10	36	< 10	212	600
BL6000N 31350E	201	202	46	< 0.01	42	660	48	14	1	30	< 0.01	< 10	< 10	136	< 10	228	580
BL6000N 31400E	201	202	7	< 0.01	8	280	6	2	< 1	14	< 0.01	< 10	< 10	6	< 10	218	670
BL6000N 31450E	201	202	14	< 0.01	30	750	14	6	< 1	12	< 0.01	< 10	< 10	47	< 10	328	630
BL6000N 31500E	201	202	11	< 0.01	22	920	24	< 2	< 1	9	< 0.01	< 10	< 10	30	< 10	98	490
BL6000N 31505E	201	202	11	< 0.01	21	960	18	6	< 1	11	< 0.01	< 10	< 10	28	< 10	86	560
BL6000N 31550E	201	202	37	< 0.01	97	1020	44	10	1	34	< 0.01	< 10	< 10	67	< 10	384	480
BL6000N 31600E	201	202	25	< 0.01	49	520	40	10	1	28	< 0.01	< 10	< 10	60	< 10	258	610
BL6000N 31650E	201	202	40	< 0.01	43	570	64	10	< 1	65	< 0.01	< 10	< 10	130	< 10	116	430
BL6000N 31700E	201	202	21	< 0.01	8	510	46	< 2	< 1	16	< 0.01	< 10	< 10	10	< 10	66	1010
BL6000N 31750E	201	202	25	< 0.01	11	400	40	6	1	19	< 0.01	< 10	< 10	7	< 10	116	880
BL6000N 31800E	201	202	30	0.01	11	470	70	4	1	35	< 0.01	< 10	< 10	11	< 10	352	750
BL6000N 31850E	201	202	22	0.01	20	850	48	2	2	36	0.01	< 10	< 10	24	< 10	208	960
BL6000N 31900E	201	202	36	0.01	12	680	58	8	1	50	< 0.01	< 10	< 10	13	< 10	172	1070
BL6000N 31950E	201	202	23	0.01	11	810	58	< 2	1	76	< 0.01	< 10	< 10	9	< 10	186	960
BL6000N 32000E	201	202	19	0.01	15	1110	54	8	3	97	< 0.01	< 10	< 10	16	< 10	126	1240
BL6000N 32050E	201	202	22	0.01	15	1130	50	8	3	106	< 0.01	< 10	< 10	14	< 10	182	1230
BL6000N 32150E	201	202	15	0.01	80	1360	28	4	5	50	0.06	< 10	< 10	40	< 10	172	1080

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J.WEBER CC:VIC TANAKA

Certificate Date: 29-SEP-1998
Invoice No. : I9831125
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831125

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
BL6000N 32200E	201 202	< 5	0.4	0.87	40	140	1.5	< 2	0.22	1.0	9	5	51	11.15	< 10	< 1	0.10	360	0.20	3310
BL6000N 32250E	201 202	< 5	0.4	0.62	62	190	1.0	< 2	0.10	0.5	12	1	98	10.10	< 10	< 1	0.20	340	0.08	1845
BL6000N 32300E	201 202	< 5	0.2	0.68	26	120	2.0	< 2	0.23	1.0	7	1	16	8.63	< 10	< 1	0.07	170	0.12	3990
BL6000N 32350E	201 202	< 5	< 0.2	0.58	30	130	1.0	< 2	0.33	< 0.5	8	2	19	11.65	< 10	< 1	0.18	440	0.18	2760
L22800E 4500N	201 202	< 5	1.6	0.87	28	750	< 0.5	2	0.20	13.0	9	16	26	3.82	< 10	< 1	0.08	40	0.14	1230
L22800E 4550N	201 202	< 5	1.4	1.12	6	840	1.5	< 2	0.37	4.0	17	18	22	6.01	< 10	< 1	0.06	40	0.13	1455
L22800E 4600N	201 202	< 5	1.0	1.39	24	460	0.5	< 2	0.40	25.0	39	14	62	6.64	< 10	< 1	0.09	60	0.36	4360
L22800E 4650N	201 202	< 5	1.2	0.53	56	370	1.0	< 2	0.29	17.0	77	18	70	4.46	< 10	< 1	0.16	50	0.13	2250
L22800E 4700N	201 202	< 5	0.8	0.76	32	440	1.5	< 2	0.30	7.0	15	6	47	5.23	< 10	< 1	0.33	90	0.07	2760
L22800E 4750N	201 202	< 5	0.4	0.56	30	280	1.5	< 2	0.27	2.5	18	5	31	4.73	< 10	< 1	0.24	190	0.08	2860
L22800E 4800N	201 202	< 5	0.4	1.17	26	200	1.5	< 2	0.20	6.0	13	8	28	5.48	< 10	< 1	0.09	170	0.28	1845
L22800E 4850N	201 202	< 5	0.2	0.81	20	200	1.5	< 2	0.15	0.5	10	9	23	4.53	< 10	< 1	0.07	90	0.23	1245
L22800E 4900N	201 202	< 5	< 0.2	0.58	26	270	1.5	< 2	0.43	< 0.5	3	1	12	6.28	< 10	< 1	0.07	80	0.15	2430
L22800E 4950N	201 202	< 5	< 0.2	0.61	26	320	1.5	< 2	0.27	0.5	19	6	24	7.16	< 10	< 1	0.06	110	0.14	2120
L22800E 5000N	201 202	< 5	< 0.2	0.40	54	100	< 0.5	< 2	< 0.01	< 0.5	1	2	9	>15.00	< 10	< 1	0.21	100	0.02	190
L22800E 5050N	201 202	< 5	< 0.2	0.89	20	300	1.0	< 2	0.07	0.5	8	4	19	6.83	< 10	< 1	0.43	160	0.06	1160
L22800E 5100N	201 202	< 5	< 0.2	1.05	32	370	1.5	2	0.08	1.5	6	4	23	7.96	< 10	< 1	0.39	260	0.09	1485
L22800E 5150N	201 202	< 5	< 0.2	0.44	30	250	0.5	< 2	0.09	< 0.5	3	1	8	7.09	< 10	< 1	0.20	130	0.04	915
L22800E 5200N	201 202	< 5	0.6	0.66	12	110	1.5	< 2	0.15	< 0.5	4	3	13	5.49	< 10	< 1	0.08	100	0.05	975
L22800E 5250N	201 202	< 5	0.2	0.49	22	80	0.5	< 2	0.22	< 0.5	5	3	23	4.00	< 10	< 1	0.06	480	0.09	725
L22800E 5300N	201 202	< 5	< 0.2	0.38	20	100	1.0	< 2	0.23	< 0.5	6	6	32	5.41	< 10	< 1	0.05	380	0.12	1200
L22800E 5350N	201 202	< 5	0.2	0.40	12	100	1.0	< 2	0.16	1.0	5	5	19	5.86	< 10	< 1	0.05	330	0.11	1220
L22800E 5400N	201 202	< 5	0.2	0.44	18	110	1.0	< 2	0.15	1.0	5	5	21	6.51	< 10	< 1	0.06	390	0.12	1320
L22800E 5450N	201 202	< 5	0.2	0.56	28	200	1.0	< 2	0.22	1.5	6	8	21	5.40	< 10	< 1	0.08	180	0.11	1160
L22800E 5500N	201 202	< 5	< 0.2	0.70	36	210	1.5	< 2	0.09	0.5	3	4	16	6.93	< 10	< 1	0.08	100	0.09	775
L23300E 4500N	201 202	< 5	< 0.2	1.32	2	380	< 0.5	< 2	0.21	< 0.5	4	22	12	1.64	< 10	< 1	0.09	30	0.22	175
L23300E 4550N	201 202	< 5	< 0.2	1.22	6	820	0.5	< 2	0.54	< 0.5	4	17	13	2.14	< 10	< 1	0.09	30	0.23	215
L23300E 4600N	201 202	< 5	< 0.2	1.39	4	550	0.5	< 2	0.45	1.5	3	13	11	2.85	< 10	< 1	0.11	50	0.23	230
L23300E 4650N	201 202	< 5	< 0.2	1.62	10	860	0.5	< 2	0.33	< 0.5	12	20	25	3.51	< 10	< 1	0.10	40	0.24	915
L23300E 4700N	201 202	< 5	< 0.2	1.01	8	190	0.5	< 2	0.06	< 0.5	4	10	11	1.70	< 10	< 1	0.06	30	0.07	205
L23300E 4750N	201 202	< 5	< 0.2	1.28	12	590	0.5	< 2	0.60	0.5	5	29	21	2.46	< 10	< 1	0.09	50	0.34	195
L23300E 4800N	201 202	< 5	< 0.2	0.89	20	180	0.5	< 2	0.05	0.5	7	17	16	3.41	< 10	< 1	0.11	70	0.08	540
L23300E 4850N	201 202	< 5	0.4	2.02	12	970	2.0	< 2	0.82	1.5	11	94	27	4.05	< 10	< 1	0.14	70	0.80	640
L23300E 4900N	201 202	< 5	0.4	1.76	8	1170	1.5	< 2	0.72	0.5	5	35	15	2.96	< 10	< 1	0.10	60	0.40	160
L23300E 4950N	201 202	< 5	0.2	1.26	12	570	1.0	< 2	0.33	0.5	3	14	14	4.22	< 10	< 1	0.09	90	0.30	560
L23300E 5050N	201 202	< 5	< 0.2	0.49	< 2	210	< 0.5	< 2	0.05	< 0.5	2	7	6	1.36	< 10	< 1	0.07	20	0.06	140
L23300E 5100N	201 202	< 5	< 0.2	1.25	10	170	< 0.5	< 2	0.10	0.5	9	29	19	3.90	< 10	< 1	0.11	50	0.24	315
L23300E 5150N	201 202	< 5	0.2	1.08	24	280	1.0	2	0.25	0.5	10	15	23	8.42	< 10	< 1	0.12	100	0.26	3040
L23300E 5200N	201 202	< 5	0.4	0.63	12	330	2.0	< 2	0.24	< 0.5	6	6	21	4.65	< 10	< 1	0.11	450	0.09	1415
L23300E 5250N	201 202	< 5	< 0.2	0.34	14	170	0.5	< 2	0.39	0.5	6	2	19	5.82	< 10	< 1	0.08	530	0.17	890

CERTIFICATION: Hawthiehler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J.WEBER CC:VIC TANAKA

Certificate Date: 29-SEP-1998
Invoice No. : I9831125
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831125

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
BL6000N 32200E	201	202	53	0.01	15	640	54	10	2	36	< 0.01	< 10	< 10	10	< 10	456	800
BL6000N 32250E	201	202	60	0.01	15	500	100	6	1	46	< 0.01	< 10	< 10	10	< 10	290	540
BL6000N 32300E	201	202	23	< 0.01	14	520	46	2	1	19	< 0.01	< 10	< 10	3	< 10	318	680
BL6000N 32350E	201	202	41	< 0.01	10	830	36	2	2	44	< 0.01	< 10	< 10	6	< 10	136	410
L22800E 4500N	201	202	13	0.01	48	680	36	8	2	24	< 0.01	< 10	< 10	36	< 10	826	1350
L22800E 4550N	201	202	6	< 0.01	51	1450	34	2	4	21	< 0.01	< 10	< 10	22	< 10	532	1560
L22800E 4600N	201	202	15	0.01	78	1170	54	< 2	4	28	< 0.01	< 10	< 10	49	< 10	1080	1150
L22800E 4650N	201	202	22	0.01	157	1100	162	10	6	126	< 0.01	< 10	< 10	30	< 10	1295	1430
L22800E 4700N	201	202	24	< 0.01	53	880	76	6	1	128	< 0.01	< 10	< 10	14	< 10	714	1330
L22800E 4750N	201	202	16	< 0.01	43	600	52	6	1	44	< 0.01	< 10	< 10	5	< 10	220	1090
L22800E 4800N	201	202	17	0.01	46	490	90	< 2	1	28	< 0.01	< 10	< 10	8	< 10	532	870
L22800E 4850N	201	202	16	< 0.01	22	360	52	< 2	2	21	< 0.01	< 10	< 10	7	< 10	134	770
L22800E 4900N	201	202	12	0.01	4	120	68	< 2	< 1	24	< 0.01	< 10	< 10	4	< 10	212	770
L22800E 4950N	201	202	13	0.02	21	700	88	< 2	3	32	< 0.01	< 10	< 10	5	< 10	320	870
L22800E 5000N	201	202	42	0.01	1	1080	170	2	1	19	< 0.01	< 10	< 10	4	< 10	486	820
L22800E 5050N	201	202	17	0.01	7	1180	52	< 2	1	49	< 0.01	< 10	< 10	5	< 10	290	630
L22800E 5100N	201	202	22	0.03	5	810	84	4	1	50	< 0.01	< 10	< 10	8	< 10	378	910
L22800E 5150N	201	202	10	0.01	2	740	54	6	1	26	< 0.01	< 10	< 10	2	< 10	66	1240
L22800E 5200N	201	202	19	0.03	11	730	42	< 2	1	26	0.01	< 10	< 10	11	< 10	80	540
L22800E 5250N	201	202	46	0.02	10	610	40	4	1	31	0.01	< 10	< 10	14	< 10	58	320
L22800E 5300N	201	202	30	< 0.01	16	420	30	< 2	1	21	< 0.01	< 10	< 10	9	< 10	116	290
L22800E 5350N	201	202	23	< 0.01	11	380	34	< 2	1	22	< 0.01	< 10	< 10	7	< 10	184	420
L22800E 5400N	201	202	26	< 0.01	14	400	38	< 2	1	24	< 0.01	< 10	< 10	7	< 10	180	420
L22800E 5450N	201	202	16	< 0.01	22	550	42	6	1	22	< 0.01	< 10	< 10	23	< 10	192	470
L22800E 5500N	201	202	22	< 0.01	18	390	34	8	1	12	< 0.01	< 10	< 10	40	< 10	110	410
L23300E 4500N	201	202	3	0.01	15	750	6	< 2	1	13	< 0.01	< 10	< 10	28	< 10	72	970
L23300E 4550N	201	202	4	0.01	16	1090	10	< 2	1	22	< 0.01	< 10	< 10	27	< 10	104	1580
L23300E 4600N	201	202	6	< 0.01	18	1200	20	< 2	1	25	< 0.01	< 10	< 10	26	< 10	232	1090
L23300E 4650N	201	202	6	< 0.01	28	1110	22	< 2	1	17	< 0.01	< 10	< 10	32	< 10	140	1540
L23300E 4700N	201	202	4	0.02	12	670	18	2	< 1	12	< 0.01	< 10	< 10	18	< 10	118	860
L23300E 4750N	201	202	6	0.01	27	880	12	4	3	26	< 0.01	< 10	< 10	22	< 10	218	1100
L23300E 4800N	201	202	6	< 0.01	18	1010	22	< 2	< 1	8	< 0.01	< 10	< 10	28	< 10	190	790
L23300E 4850N	201	202	6	< 0.01	43	990	20	2	6	26	< 0.01	< 10	< 10	41	< 10	272	1390
L23300E 4900N	201	202	4	< 0.01	30	970	18	2	4	22	< 0.01	< 10	< 10	28	< 10	186	1280
L23300E 4950N	201	202	9	0.01	13	690	28	< 2	2	17	< 0.01	< 10	< 10	14	< 10	160	1540
L23300E 5050N	201	202	3	0.04	7	370	12	6	< 1	6	< 0.01	< 10	< 10	16	< 10	68	1100
L23300E 5100N	201	202	7	< 0.01	30	990	20	< 2	1	11	< 0.01	< 10	< 10	36	< 10	196	1600
L23300E 5150N	201	202	8	< 0.01	21	760	32	4	4	19	< 0.01	< 10	< 10	18	< 10	120	1490
L23300E 5200N	201	202	38	< 0.01	13	510	38	2	1	31	< 0.01	< 10	< 10	9	< 10	84	2500
L23300E 5250N	201	202	35	< 0.01	7	390	38	2	1	33	< 0.01	< 10	< 10	5	< 10	94	880

CERTIFICATION: Ian Fichler

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Certificate Date: 29-SEP-1998
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CERTIFICATE OF ANALYSIS A9831125

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L23300E 5300N	201 202	< 5	0.4	0.64	22	340	0.5	< 2	0.21	0.5	7	8	30	5.54	< 10	< 1	0.11	320	0.16	1145
L23300E 5350N	201 202	< 5	0.6	0.74	20	420	0.5	< 2	0.24	1.0	9	10	34	5.46	< 10	< 1	0.12	290	0.19	1180
L30000E 5600N	201 202	< 5	0.6	0.92	10	250	1.5	< 2	0.28	1.5	10	18	32	3.46	< 10	< 1	0.15	110	0.36	1000
L30000E 5650N	201 202	< 5	< 0.2	1.26	14	200	1.0	2	0.37	1.5	9	15	21	4.26	< 10	< 1	0.13	80	0.24	1640
L30000E 5700N	201 202	< 5	< 0.2	1.15	8	180	0.5	2	0.32	0.5	11	6	13	4.61	< 10	< 1	0.12	90	0.36	1460
L30000E 5750N	201 202	< 5	< 0.2	0.88	< 2	330	0.5	< 2	0.43	< 0.5	6	3	9	3.55	< 10	< 1	0.19	40	0.15	1430
L30000E 5800N	201 202	< 5	< 0.2	1.51	12	70	< 0.5	< 2	0.07	< 0.5	7	44	13	4.39	< 10	< 1	0.05	70	0.39	660
L30000E 5850N	201 202	< 5	< 0.2	1.65	14	80	< 0.5	< 2	0.11	< 0.5	12	66	20	4.59	< 10	< 1	0.06	40	0.68	765
L30000E 5875N	201 202	< 5	< 0.2	1.30	10	120	0.5	< 2	0.18	0.5	14	55	30	4.39	< 10	< 1	0.07	50	0.69	1020
L30000E 6000N	201 202	< 5	0.6	0.94	10	290	0.5	< 2	0.28	2.0	6	13	26	2.76	< 10	< 1	0.10	40	0.21	250
L30000E 6050N	201 202	< 5	0.2	0.99	14	300	0.5	< 2	0.43	0.5	6	16	24	2.75	< 10	< 1	0.09	40	0.26	225
L30000E 6100N	201 202	< 5	< 0.2	0.72	14	280	< 0.5	< 2	0.50	0.5	9	9	7	2.70	< 10	< 1	0.04	20	0.08	855
L30000E 6150N	201 202	< 5	< 0.2	0.77	8	250	< 0.5	< 2	0.60	< 0.5	6	15	11	2.69	< 10	< 1	0.07	50	0.20	855
L30000E 6200N	201 202	< 5	< 0.2	0.94	14	60	< 0.5	< 2	0.03	< 0.5	5	17	15	4.06	< 10	< 1	0.05	40	0.13	350
L30000E 6250N	201 202	< 5	0.4	0.50	16	1260	0.5	< 2	7.77	0.5	6	15	17	5.29	< 10	< 1	0.03	20	4.62	815
L30000E 6300N	201 202	< 5	0.2	0.40	26	540	0.5	< 2	11.30	0.5	6	14	19	3.57	< 10	< 1	0.05	10	6.66	1145
L30000E 6350N	201 202	< 5	< 0.2	0.61	6	190	0.5	< 2	0.94	0.5	7	16	15	3.58	< 10	< 1	0.07	40	0.30	710
L30000E 6400N	201 202	< 5	< 0.2	0.66	16	200	0.5	< 2	4.61	0.5	8	17	17	3.78	< 10	< 1	0.07	40	2.47	960
L30000E 6450N	201 202	< 5	0.2	0.82	16	200	0.5	< 2	0.66	0.5	7	21	14	4.15	< 10	< 1	0.04	30	0.21	805
L30000E 6500N	201 202	< 5	< 0.2	0.65	2	140	< 0.5	< 2	0.26	< 0.5	4	13	5	2.29	< 10	< 1	0.04	30	0.12	510
L30000E 6550N	201 202	< 5	< 0.2	0.84	22	440	0.5	< 2	1.07	< 0.5	8	13	14	3.09	< 10	< 1	0.08	40	0.31	605
L30000E 6600N	201 202	< 5	< 0.2	1.14	14	310	0.5	< 2	0.32	0.5	6	22	10	3.87	< 10	< 1	0.06	50	0.17	850
L30000E 6650N	201 202	< 5	< 0.2	0.42	16	190	0.5	< 2	9.85	1.0	7	14	19	3.19	< 10	< 1	0.07	20	5.72	860
L30000E 6700N	201 202	< 5	0.6	0.52	10	250	0.5	< 2	10.20	4.0	6	21	26	2.26	< 10	< 1	0.14	20	0.34	255
L30300E 5600N	201 202	< 5	< 0.2	0.75	6	230	0.5	< 2	0.36	2.0	4	11	27	2.98	< 10	< 1	0.09	90	0.22	1450
L30300E 5650N	201 202	< 5	< 0.2	1.57	8	110	0.5	< 2	0.17	0.5	12	89	19	4.90	< 10	< 1	0.11	50	0.81	1150
L30300E 5700N	201 202	< 5	< 0.2	0.87	2	50	< 0.5	< 2	0.08	< 0.5	3	21	7	1.53	< 10	< 1	0.06	30	0.22	315
L30300E 5750N	201 202	< 5	< 0.2	1.23	12	60	< 0.5	< 2	0.09	< 0.5	6	56	12	3.75	< 10	< 1	0.06	50	0.34	525
L30300E 5800N	201 202	< 5	< 0.2	0.94	20	140	0.5	< 2	0.35	1.5	11	18	22	4.65	< 10	< 1	0.09	70	0.28	770
L30300E 5850N	201 202	< 5	< 0.2	1.62	4	180	0.5	< 2	0.56	< 0.5	8	66	11	3.16	< 10	< 1	0.08	50	0.76	495
L30300E 5900N	201 202	< 5	< 0.2	1.87	8	330	1.5	4	0.87	1.5	10	45	14	4.81	< 10	< 1	0.10	90	0.47	2760
L30300E 5950N	201 202	< 5	< 0.2	0.86	18	70	< 0.5	< 2	0.05	0.5	9	22	18	4.36	< 10	< 1	0.06	60	0.19	745
L30300E 6000N	201 202	< 5	< 0.2	0.87	16	130	< 0.5	< 2	0.15	0.5	10	19	29	3.66	< 10	< 1	0.07	20	0.25	540
L30300E 6050N	201 202	< 5	< 0.2	0.73	14	40	< 0.5	< 2	0.04	< 0.5	2	9	39	2.56	< 10	< 1	0.07	< 10	0.10	70
L30300E 6100N	201 202	< 5	< 0.2	1.55	2	120	0.5	< 2	0.07	0.5	4	6	9	7.53	< 10	< 1	0.06	90	0.23	5330
L30300E 6150N	201 202	< 5	< 0.2	0.76	12	70	< 0.5	2	0.02	< 0.5	4	10	14	2.38	< 10	< 1	0.05	30	0.08	260
L30300E 6200N	201 202	< 5	0.8	0.79	6	280	0.5	2	0.42	1.5	5	12	25	2.63	< 10	< 1	0.08	30	0.19	490
L30300E 6250N	201 202	< 5	0.2	0.71	6	290	< 0.5	< 2	0.95	< 0.5	3	8	10	1.95	< 10	< 1	0.04	30	0.10	390
L30300E 6300N	201 202	< 5	< 0.2	0.65	16	60	< 0.5	< 2	0.04	< 0.5	5	14	17	4.58	< 10	< 1	0.06	50	0.09	580
L30300E 6350N	201 202	< 5	< 0.2	0.79	10	250	0.5	< 2	0.15	1.5	11	18	11	4.38	< 10	< 1	0.06	50	0.13	1470

CERTIFICATION

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J.WEBER CC:VIC TANAKA

Certificate Date: 29-SEP-1998
Invoice No. :I9831125
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831125

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
L23300E 5300N	201 202	21	< 0.01	20	500	54	2	2	32	< 0.01	< 10	< 10	11	< 10	166	1630
L23300E 5350N	201 202	20	< 0.01	25	530	56	6	2	34	< 0.01	< 10	< 10	14	< 10	186	1760
L30000E 5600N	201 202	12	< 0.01	28	530	34	6	3	22	< 0.01	< 10	< 10	20	< 10	322	1640
L30000E 5650N	201 202	11	< 0.01	20	770	38	4	1	17	< 0.01	< 10	< 10	24	< 10	338	1420
L30000E 5700N	201 202	10	0.01	10	1220	12	2	1	24	< 0.01	< 10	< 10	18	< 10	90	1000
L30000E 5750N	201 202	6	< 0.01	3	1050	16	< 2	1	15	< 0.01	< 10	< 10	7	< 10	80	1530
L30000E 5800N	201 202	9	< 0.01	19	480	20	< 2	< 1	13	0.04	< 10	< 10	43	< 10	124	790
L30000E 5850N	201 202	6	< 0.01	35	770	24	< 2	1	13	0.07	< 10	< 10	71	< 10	96	780
L30000E 5875N	201 202	7	0.01	44	810	24	< 2	2	15	0.06	< 10	< 10	42	< 10	176	1070
L30000E 6000N	201 202	6	< 0.01	27	1020	28	< 2	1	37	< 0.01	< 10	< 10	23	< 10	200	1600
L30000E 6050N	201 202	4	0.01	26	980	34	6	2	32	< 0.01	< 10	< 10	23	< 10	218	1570
L30000E 6100N	201 202	5	0.04	10	670	26	< 2	< 1	24	0.01	< 10	< 10	23	< 10	154	2500
L30000E 6150N	201 202	5	< 0.01	11	750	10	< 2	< 1	37	0.01	< 10	< 10	28	< 10	86	1370
L30000E 6200N	201 202	6	< 0.01	14	720	24	4	< 1	10	0.01	< 10	< 10	42	< 10	104	1180
L30000E 6250N	201 202	3	< 0.01	21	590	72	4	3	101	< 0.01	< 10	< 10	20	< 10	120	3800
L30000E 6300N	201 202	3	0.01	24	830	60	4	3	150	< 0.01	< 10	< 10	24	< 10	144	2700
L30000E 6350N	201 202	3	< 0.01	40	950	32	< 2	5	41	< 0.01	< 10	< 10	24	< 10	60	1550
L30000E 6400N	201 202	5	< 0.01	30	790	36	2	5	77	< 0.01	< 10	< 10	25	< 10	154	2500
L30000E 6450N	201 202	3	< 0.01	24	970	32	2	3	31	< 0.01	< 10	< 10	34	< 10	168	2400
L30000E 6500N	201 202	3	< 0.01	8	720	24	< 2	1	14	< 0.01	< 10	< 10	27	< 10	102	1470
L30000E 6550N	201 202	2	0.01	24	2810	60	2	3	43	< 0.01	< 10	< 10	28	< 10	68	1950
L30000E 6600N	201 202	3	< 0.01	17	820	30	2	4	22	< 0.01	< 10	< 10	35	< 10	162	1720
L30000E 6650N	201 202	3	< 0.01	24	670	52	< 2	3	116	< 0.01	< 10	< 10	25	< 10	176	1490
L30000E 6700N	201 202	10	< 0.01	53	500	46	2	5	364	< 0.01	< 10	< 10	152	< 10	516	3200
L30300E 5600N	201 202	8	0.01	12	2400	14	2	< 1	15	< 0.01	< 10	< 10	12	< 10	154	1240
L30300E 5650N	201 202	8	< 0.01	41	850	22	< 2	1	21	0.10	< 10	< 10	63	< 10	152	990
L30300E 5700N	201 202	3	0.04	10	510	4	< 2	< 1	11	0.04	< 10	< 10	23	< 10	48	830
L30300E 5750N	201 202	8	< 0.01	18	540	18	2	1	24	0.08	< 10	< 10	61	< 10	116	820
L30300E 5800N	201 202	13	< 0.01	39	840	28	4	3	22	0.01	< 10	< 10	32	< 10	280	1100
L30300E 5850N	201 202	4	0.01	30	550	14	< 2	2	28	0.08	< 10	< 10	41	< 10	80	1030
L30300E 5900N	201 202	4	< 0.01	22	1970	18	< 2	3	36	0.01	< 10	< 10	23	< 10	274	1370
L30300E 5950N	201 202	8	< 0.01	19	820	18	6	< 1	10	< 0.01	< 10	< 10	30	< 10	154	1580
L30300E 6000N	201 202	4	< 0.01	30	850	20	2	< 1	20	< 0.01	< 10	< 10	26	< 10	204	1510
L30300E 6050N	201 202	3	< 0.01	22	1410	24	< 2	< 1	10	< 0.01	< 10	< 10	30	< 10	208	1430
L30300E 6100N	201 202	8	< 0.01	5	1060	22	< 2	1	16	< 0.01	< 10	< 10	4	< 10	200	1050
L30300E 6150N	201 202	5	0.01	12	510	14	2	< 1	8	< 0.01	< 10	< 10	32	< 10	102	1610
L30300E 6200N	201 202	4	0.01	30	790	22	2	2	41	< 0.01	< 10	< 10	18	< 10	184	1980
L30300E 6250N	201 202	3	0.03	10	960	14	< 2	1	39	< 0.01	< 10	< 10	17	< 10	150	1860
L30300E 6300N	201 202	10	< 0.01	15	930	24	< 2	< 1	10	< 0.01	< 10	< 10	27	< 10	124	1420
L30300E 6350N	201 202	4	< 0.01	22	820	36	4	3	18	< 0.01	< 10	< 10	28	< 10	344	4100

CERTIFICATION: Hawthichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
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Project : STARR
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Page Number :4-A
Total Pages :8
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CERTIFICATE OF ANALYSIS A9831125

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L30300E 6400N	201	202	< 5	< 0.2	0.69	4	330	< 0.5	< 2	0.27	0.5	4	12	8	2.72	< 10	< 1	0.08	50	0.11	265
L30300E 6450N	201	202	< 5	0.2	1.46	16	440	0.5	< 2	0.72	1.5	8	21	19	3.95	< 10	< 1	0.13	40	0.21	1020
L30300E 6500N	201	202	< 5	< 0.2	1.18	4	210	< 0.5	< 2	0.16	< 0.5	3	12	4	1.79	< 10	< 1	0.05	30	0.11	105
L30300E 6550N	201	202	< 5	< 0.2	1.00	10	680	< 0.5	< 2	0.09	0.5	7	15	11	3.89	< 10	< 1	0.07	50	0.16	545
L30300E 6600N	201	202	< 5	0.2	0.29	10	360	0.5	< 2	10.95	0.5	4	11	10	3.37	< 10	< 1	0.02	10	6.20	830
L30300E 6650N	201	202	< 5	< 0.2	0.49	12	320	0.5	< 2	12.35	0.5	4	21	12	3.33	< 10	< 1	0.04	30	7.09	680
L30300E 6700N	201	202	< 5	0.2	0.71	14	200	0.5	< 2	5.62	0.5	6	23	14	3.64	< 10	< 1	0.04	10	3.05	895
L30600E 5600N	201	202	< 5	0.4	1.52	42	100	1.0	< 2	0.18	3.5	12	57	30	6.05	< 10	< 1	0.09	120	0.70	1630
L30600E 5650N	201	202	< 5	< 0.2	0.65	12	50	< 0.5	< 2	0.04	0.5	4	11	7	2.97	< 10	< 1	0.04	40	0.08	235
L30600E 5700N	201	202	< 5	< 0.2	0.68	2	140	< 0.5	< 2	0.29	1.5	8	8	9	3.76	< 10	< 1	0.07	30	0.10	1640
L30600E 5750N	201	202	< 5	< 0.2	0.92	8	50	< 0.5	< 2	0.03	< 0.5	3	7	7	2.45	< 10	< 1	0.05	60	0.05	145
L30600E 5800N	201	202	< 5	< 0.2	0.97	28	150	0.5	6	0.35	3.0	18	21	25	5.91	< 10	< 1	0.10	60	0.25	1770
L30600E 5850N	201	202	< 5	< 0.2	1.28	14	70	< 0.5	< 2	0.05	0.5	7	27	14	6.51	< 10	< 1	0.06	70	0.24	845
L30600E 5900N	201	202	< 5	< 0.2	1.26	10	60	< 0.5	< 2	0.07	0.5	8	16	17	4.93	< 10	< 1	0.04	50	0.09	300
L30600E 5950N	201	202	< 5	< 0.2	1.14	20	150	1.0	< 2	0.77	1.5	9	10	19	3.31	< 10	< 1	0.11	30	0.31	770
L30600E 6000N	201	202	< 5	< 0.2	0.95	12	150	0.5	< 2	0.29	1.0	6	22	9	4.56	< 10	< 1	0.07	80	0.28	600
L30600E 6050N	201	202	< 5	< 0.2	1.09	< 2	110	0.5	< 2	0.41	0.5	5	15	13	3.12	< 10	< 1	0.06	60	0.26	205
L30600E 6100N	201	202	< 5	< 0.2	0.84	10	100	0.5	< 2	0.08	0.5	6	14	11	3.45	< 10	< 1	0.07	70	0.19	790
L30600E 6150N	201	202	< 5	< 0.2	0.46	8	90	0.5	< 2	0.16	0.5	7	9	15	3.67	< 10	< 1	0.06	110	0.12	695
L30600E 6200N	201	202	< 5	< 0.2	1.17	10	150	1.0	< 2	0.20	0.5	9	18	15	4.32	< 10	< 1	0.08	110	0.28	915
L30600E 6250N	201	202	< 5	0.2	0.62	10	140	0.5	< 2	0.18	0.5	8	9	31	3.14	< 10	< 1	0.08	30	0.12	365
L30600E 6300N	201	202	< 5	< 0.2	0.76	10	220	0.5	< 2	0.14	0.5	6	11	17	5.00	< 10	< 1	0.07	100	0.12	725
L30600E 6350N	201	202	< 5	< 0.2	1.07	12	180	1.0	< 2	0.15	0.5	8	22	16	5.20	< 10	< 1	0.07	120	0.31	1240
L30600E 6400N	201	202	< 5	< 0.2	1.10	10	110	0.5	< 2	0.13	< 0.5	8	29	15	3.40	< 10	< 1	0.06	60	0.37	595
L30600E 6450N	201	202	< 5	< 0.2	1.25	2	90	0.5	< 2	0.11	0.5	9	35	17	3.58	< 10	< 1	0.06	80	0.46	630
L30600E 6500N	201	202	< 5	< 0.2	1.67	12	190	0.5	< 2	0.32	0.5	14	74	20	5.10	< 10	< 1	0.11	60	0.90	870
L30600E 6550N	201	202	< 5	< 0.2	0.82	< 2	110	0.5	< 2	0.27	0.5	7	13	12	4.03	< 10	< 1	0.07	60	0.18	575
L30600E 6600N	201	202	< 5	0.2	0.59	4	130	0.5	2	8.12	0.5	6	18	13	6.94	< 10	< 1	0.06	30	4.42	780
L30600E 6650N	201	202	< 5	0.2	0.24	12	90	0.5	< 2	12.60	1.0	2	9	9	5.04	< 10	< 1	0.02	< 10	7.08	450
L30600E 6700N	201	202	< 5	< 0.2	0.25	< 2	70	0.5	< 2	14.75	< 0.5	1	8	5	1.55	< 10	< 1	0.02	< 10	8.53	600
L30900E 5600N	201	202	< 5	< 0.2	1.44	16	70	0.5	< 2	0.28	0.5	12	68	18	4.76	< 10	< 1	0.06	100	0.86	1210
L30900E 5650N	201	202	< 5	< 0.2	2.86	10	110	0.5	< 2	0.43	0.5	25	173	24	6.79	10	< 1	0.07	40	1.98	1505
L30900E 5700N	201	202	< 5	0.2	1.71	22	160	2.0	< 2	0.13	1.5	7	26	18	14.55	< 10	< 1	0.07	90	0.41	7440
L30900E 5750N	201	202	< 5	0.2	0.71	26	120	1.5	< 2	0.19	7.0	8	13	28	5.68	< 10	< 1	0.08	80	0.19	1600
L30900E 5800N	201	202	< 5	< 0.2	0.83	24	110	1.5	< 2	0.23	4.0	6	18	25	5.93	< 10	< 1	0.09	80	0.25	1235
L30900E 5850N	201	202	< 5	0.2	0.98	8	60	0.5	< 2	0.10	0.5	3	7	9	2.87	< 10	< 1	0.04	40	0.11	550
L30900E 5900N	201	202	< 5	< 0.2	1.30	8	180	2.0	< 2	0.18	1.5	6	11	8	5.55	< 10	< 1	0.08	220	0.23	2780
L30900E 5950N	201	202	< 5	< 0.2	1.11	18	150	1.0	2	0.15	2.5	7	12	10	4.90	< 10	< 1	0.07	90	0.16	1075
L30900E 6000N	201	202	< 5	< 0.2	1.24	14	140	0.5	< 2	0.16	0.5	9	29	13	3.70	< 10	< 1	0.06	70	0.37	615
L30900E 6050N	201	202	< 5	< 0.2	1.04	18	150	0.5	< 2	0.21	0.5	6	15	23	3.20	< 10	< 1	0.08	60	0.17	435

CERTIFICATION:

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CERTIFICATE OF ANALYSIS A9831125

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
L30300E 6400N	201	202	6	< 0.01	12	630	16	< 2	1	21	< 0.01	< 10	< 10	27	< 10	108	1760
L30300E 6450N	201	202	6	0.02	24	3020	28	2	1	53	< 0.01	< 10	< 10	32	< 10	254	1800
L30300E 6500N	201	202	3	0.02	6	570	16	< 2	< 1	18	< 0.01	< 10	< 10	22	< 10	28	1760
L30300E 6550N	201	202	6	< 0.01	19	500	30	4	1	16	< 0.01	< 10	< 10	31	< 10	212	2090
L30300E 6600N	201	202	1	< 0.01	13	520	102	2	1	81	< 0.01	< 10	< 10	13	< 10	74	1380
L30300E 6650N	201	202	3	< 0.01	18	510	52	< 2	3	111	< 0.01	< 10	< 10	21	< 10	72	1650
L30300E 6700N	201	202	2	0.02	27	1540	70	< 2	3	157	< 0.01	< 10	< 10	32	< 10	208	1960
L30600E 5600N	201	202	15	< 0.01	62	850	44	6	2	21	0.06	< 10	< 10	44	< 10	764	1420
L30600E 5650N	201	202	6	0.03	9	870	16	6	< 1	9	< 0.01	< 10	< 10	33	< 10	116	1150
L30600E 5700N	201	202	5	0.01	6	2100	18	2	< 1	23	< 0.01	< 10	< 10	27	< 10	62	1080
L30600E 5750N	201	202	7	0.02	6	500	8	< 2	< 1	10	< 0.01	< 10	< 10	34	< 10	88	970
L30600E 5800N	201	202	14	0.01	45	1210	34	6	2	27	< 0.01	< 10	< 10	53	< 10	638	1630
L30600E 5850N	201	202	9	< 0.01	19	760	26	8	< 1	14	0.01	< 10	< 10	27	< 10	198	1360
L30600E 5900N	201	202	9	< 0.01	27	1050	16	2	< 1	13	< 0.01	< 10	< 10	47	< 10	194	1330
L30600E 5950N	201	202	11	0.01	42	1300	46	4	2	29	< 0.01	< 10	< 10	26	< 10	238	1420
L30600E 6000N	201	202	10	< 0.01	20	610	26	2	1	20	0.02	< 10	< 10	25	< 10	176	1110
L30600E 6050N	201	202	8	0.01	29	690	16	< 2	1	22	0.01	< 10	< 10	23	< 10	194	1320
L30600E 6100N	201	202	8	< 0.01	19	660	24	2	1	13	< 0.01	< 10	< 10	19	< 10	150	1310
L30600E 6150N	201	202	10	< 0.01	19	500	48	< 2	1	14	< 0.01	< 10	< 10	10	< 10	198	1430
L30600E 6200N	201	202	10	0.01	23	720	34	4	1	18	0.01	< 10	< 10	20	< 10	150	1390
L30600E 6250N	201	202	6	< 0.01	28	770	18	< 2	1	43	< 0.01	< 10	< 10	18	< 10	212	1490
L30600E 6300N	201	202	11	< 0.01	16	580	32	< 2	1	25	< 0.01	< 10	< 10	20	< 10	148	1430
L30600E 6350N	201	202	9	< 0.01	20	590	26	< 2	1	22	0.03	< 10	< 10	22	< 10	192	1450
L30600E 6400N	201	202	6	0.02	23	620	10	4	1	16	0.02	< 10	< 10	22	< 10	102	1190
L30600E 6450N	201	202	5	0.01	27	680	16	< 2	2	15	0.03	< 10	< 10	24	< 10	96	1150
L30600E 6500N	201	202	9	< 0.01	46	790	22	< 2	3	25	0.06	< 10	< 10	37	< 10	166	1370
L30600E 6550N	201	202	10	< 0.01	18	760	16	2	< 1	14	< 0.01	< 10	< 10	18	< 10	116	1290
L30600E 6600N	201	202	3	< 0.01	20	750	62	2	1	47	< 0.01	< 10	< 10	17	< 10	70	1410
L30600E 6650N	201	202	< 1	0.01	11	420	510	4	< 1	86	< 0.01	< 10	< 10	8	< 10	290	1030
L30600E 6700N	201	202	1	< 0.01	9	260	46	< 2	1	109	< 0.01	< 10	< 10	9	< 10	48	1420
L30900E 5600N	201	202	6	< 0.01	43	530	16	< 2	1	20	0.09	< 10	< 10	25	< 10	152	1190
L30900E 5650N	201	202	7	< 0.01	96	450	18	< 2	2	28	0.32	< 10	< 10	76	< 10	116	1000
L30900E 5700N	201	202	8	< 0.01	21	560	48	4	4	17	0.03	< 10	< 10	16	< 10	114	810
L30900E 5750N	201	202	28	< 0.01	48	790	40	6	1	36	0.01	< 10	< 10	71	< 10	532	760
L30900E 5800N	201	202	23	< 0.01	34	450	30	2	2	30	0.01	< 10	< 10	46	< 10	338	880
L30900E 5850N	201	202	9	0.03	12	440	8	2	< 1	12	0.01	< 10	< 10	26	< 10	192	790
L30900E 5900N	201	202	15	0.01	25	470	14	< 2	3	20	< 0.01	< 10	< 10	12	< 10	284	1120
L30900E 5950N	201	202	18	< 0.01	38	370	20	2	1	13	0.01	< 10	< 10	20	< 10	536	1030
L30900E 6000N	201	202	8	0.01	26	970	16	< 2	1	20	0.01	< 10	< 10	27	< 10	160	1180
L30900E 6050N	201	202	16	0.02	24	790	38	< 2	1	44	0.01	< 10	< 10	62	< 10	132	1130

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J.WEBER CC:VIC TANAKA

Certificate Date: 29-SEP-1998
Invoice No. :19831125
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831125

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L30900E 6100N	201 202	< 5	< 0.2	0.92	18	120	0.5	< 2	0.13	< 0.5	8	7	14	3.69	< 10	< 1	0.09	50	0.07	410
L30900E 6150N	201 202	< 5	< 0.2	0.97	30	150	1.5	2	0.35	1.0	18	8	29	6.02	< 10	< 1	0.11	60	0.12	1075
L30900E 6200N	201 202	< 5	< 0.2	0.49	20	120	0.5	< 2	0.34	0.5	13	4	22	5.06	< 10	< 1	0.13	60	0.08	1245
L30900E 6250N	201 202	< 5	0.2	0.42	< 2	70	< 0.5	< 2	0.24	< 0.5	3	3	8	2.58	< 10	< 1	0.07	30	0.05	365
L30900E 6300N	201 202	< 5	< 0.2	0.25	10	70	0.5	< 2	0.10	0.5	7	2	15	2.60	< 10	< 1	0.05	20	0.04	805
L30900E 6320N	201 202	< 5	0.2	0.58	10	120	0.5	< 2	0.24	0.5	9	8	42	2.91	< 10	< 1	0.10	10	0.19	270
L30900E 6400N	201 202	< 5	< 0.2	0.71	10	150	0.5	< 2	0.06	0.5	4	3	14	3.14	< 10	< 1	0.08	120	0.07	900
L30900E 6450N	201 202	< 5	0.4	0.30	12	180	< 0.5	2	0.14	1.5	8	3	33	2.18	< 10	< 1	0.10	30	0.07	320
L30900E 6500N	201 202	< 5	0.2	0.68	10	300	0.5	< 2	0.12	1.0	7	5	32	3.55	< 10	< 1	0.08	60	0.11	270
L30900E 6550N	201 202	< 5	0.2	0.53	10	450	< 0.5	< 2	0.48	< 0.5	11	9	17	2.55	< 10	< 1	0.06	30	0.06	690
L30900E 6600N	201 202	< 5	0.2	0.14	26	900	< 0.5	< 2	12.95	< 0.5	8	12	12	4.69	< 10	< 1	0.01	< 10	7.19	555
L30900E 6625N	201 202	< 5	< 0.2	0.48	16	610	1.0	2	1.75	< 0.5	19	9	21	4.38	< 10	< 1	0.10	10	0.90	510
L31200E 5600N	201 202	< 5	< 0.2	1.08	30	200	1.5	< 2	0.14	< 0.5	4	11	15	5.87	< 10	< 1	0.07	150	0.24	1410
L31200E 5650N	201 202	< 5	0.2	1.08	20	180	1.0	< 2	0.06	< 0.5	4	11	15	5.88	< 10	1	0.06	130	0.26	1730
L31200E 5700N	201 202	< 5	< 0.2	1.32	12	90	0.5	< 2	0.08	< 0.5	8	54	15	4.87	< 10	< 1	0.08	70	0.40	1190
L31200E 5750N	201 202	< 5	0.2	0.54	34	120	0.5	< 2	0.11	0.5	4	3	9	10.75	< 10	< 1	0.16	90	0.10	3180
L31200E 5800N	201 202	< 5	< 0.2	0.88	16	110	1.0	< 2	0.07	< 0.5	5	15	19	7.07	< 10	< 1	0.05	110	0.21	2360
L31200E 5850N	201 202	< 5	0.2	0.45	26	60	< 0.5	< 2	0.01	< 0.5	4	3	10	10.65	< 10	< 1	0.03	30	0.07	2950
L31200E 5900N	201 202	< 5	0.2	0.60	28	90	0.5	2	0.05	0.5	4	8	16	4.83	< 10	< 1	0.06	60	0.11	1560
L31200E 5950N	201 202	< 5	< 0.2	0.64	18	110	0.5	4	0.10	4.0	5	13	16	3.95	< 10	< 1	0.05	60	0.18	1340
L31200E 6000N	201 202	< 5	0.2	0.78	40	90	1.5	< 2	0.38	3.0	9	10	33	5.67	< 10	< 1	0.09	150	0.12	625
L31200E 6050N	201 202	< 5	< 0.2	0.68	24	70	1.0	< 2	0.16	1.5	5	10	18	3.64	< 10	< 1	0.07	100	0.10	425
L31200E 6100N	201 202	< 5	0.4	0.82	24	110	1.5	< 2	0.14	2.0	9	10	29	6.70	< 10	< 1	0.06	290	0.13	1615
L31200E 6150N	201 202	< 5	< 0.2	0.76	24	310	0.5	< 2	0.24	1.0	14	15	27	5.41	< 10	< 1	0.10	50	0.14	675
L31200E 6200N	201 202	< 5	< 0.2	0.59	22	130	0.5	4	0.31	< 0.5	8	4	18	4.44	< 10	< 1	0.08	50	0.08	1000
L31200E 6250N	201 202	< 5	< 0.2	1.07	8	230	0.5	< 2	0.07	< 0.5	9	4	10	4.29	< 10	< 1	0.04	40	0.04	1130
L31200E 6290N	201 202	< 5	< 0.2	1.12	18	260	1.5	< 2	0.46	0.5	11	7	12	4.18	< 10	< 1	0.10	60	0.12	1765
L31500E 5600N	201 202	not/as	0.4	0.63	34	150	1.0	< 2	0.14	1.0	9	5	24	7.38	< 10	< 1	0.08	810	0.13	2140
L31500E 5650N	201 202	< 5	< 0.2	0.81	14	110	0.5	2	0.10	< 0.5	5	9	13	4.42	< 10	< 1	0.07	150	0.14	1150
L31500E 5700N	201 202	< 5	< 0.2	1.11	20	150	1.5	< 2	0.07	< 0.5	6	17	15	5.04	< 10	< 1	0.07	110	0.21	1655
L31500E 5750N	201 202	< 5	< 0.2	0.76	10	80	< 0.5	4	0.05	0.5	4	13	13	3.45	< 10	< 1	0.08	60	0.13	465
L31500E 5800N	201 202	< 5	< 0.2	0.62	14	100	1.0	< 2	0.36	< 0.5	4	9	10	4.51	< 10	< 1	0.04	190	0.19	1875
L31500E 5850N	201 202	< 5	< 0.2	0.76	6	100	0.5	< 2	0.20	0.5	3	10	10	5.18	< 10	< 1	0.05	190	0.17	1735
L31500E 5900N	201 202	< 5	0.6	0.62	44	70	1.5	< 2	0.08	0.5	7	3	30	10.25	< 10	< 1	0.06	100	0.16	3890
L31500E 5950N	201 202	< 5	0.2	0.67	36	70	0.5	2	0.03	0.5	3	9	17	4.33	< 10	< 1	0.10	50	0.06	425
L31500E 6050N	201 202	< 5	0.4	0.87	46	130	2.0	< 2	0.34	7.5	8	3	30	6.77	< 10	< 1	0.12	70	0.15	3120
L31500E 6100N	201 202	< 5	< 0.2	1.64	40	160	3.5	< 2	0.15	12.5	11	4	58	8.23	< 10	< 1	0.17	100	0.18	4340
L31500E 6150N	201 202	< 5	0.8	0.65	40	180	0.5	< 2	1.09	5.0	8	4	29	3.22	< 10	< 1	0.09	10	0.26	545
L31500E 6200N	201 202	< 5	0.4	0.65	50	150	0.5	< 2	0.31	2.0	6	3	26	3.65	< 10	< 1	0.08	20	0.15	630
L31500E 6250N	201 202	< 5	0.2	0.46	30	120	1.5	< 2	0.58	2.0	15	4	30	4.55	< 10	< 1	0.07	20	0.12	955

CERTIFICATION: Ian Fuchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: EQUITY ENGINEERING LTD.

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Project : STARR
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Certificate Date: 29-SEP-1998
Invoice No. : I9831125
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CERTIFICATE OF ANALYSIS A9831125

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
L30900E 6100N	201	202	12	< 0.01	25	1220	20	6	1	24	< 0.01	< 10	< 10	31	< 10	206	1430
L30900E 6150N	201	202	13	< 0.01	48	1210	30	< 2	4	40	< 0.01	< 10	< 10	24	< 10	352	1290
L30900E 6200N	201	202	16	< 0.01	26	910	52	8	3	45	< 0.01	< 10	< 10	22	< 10	238	1270
L30900E 6250N	201	202	9	< 0.01	9	1940	12	< 2	1	13	< 0.01	< 10	< 10	16	< 10	134	850
L30900E 6300N	201	202	11	< 0.01	24	740	28	4	1	14	< 0.01	< 10	< 10	9	< 10	204	1620
L30900E 6320N	201	202	4	< 0.01	31	860	14	4	2	46	< 0.01	< 10	< 10	16	< 10	262	1120
L30900E 6400N	201	202	8	0.01	12	650	10	2	< 1	26	< 0.01	< 10	< 10	12	< 10	82	1400
L30900E 6450N	201	202	6	< 0.01	26	710	22	4	1	81	< 0.01	< 10	< 10	12	< 10	188	1960
L30900E 6500N	201	202	10	0.01	26	810	30	2	1	43	< 0.01	< 10	< 10	16	< 10	220	1960
L30900E 6550N	201	202	2	0.03	37	1490	52	4	3	92	< 0.01	< 10	< 10	24	< 10	96	4830
L30900E 6600N	201	202	6	< 0.01	31	280	170	6	3	94	< 0.01	< 10	< 10	13	< 10	152	3540
L30900E 6625N	201	202	3	0.01	51	710	52	6	5	63	< 0.01	< 10	< 10	13	< 10	46	3530
L31200E 5600N	201	202	14	< 0.01	10	400	30	< 2	1	11	0.01	< 10	< 10	9	< 10	48	1330
L31200E 5650N	201	202	12	0.01	10	390	24	< 2	1	10	0.01	< 10	< 10	9	< 10	48	1430
L31200E 5700N	201	202	7	< 0.01	25	750	16	4	1	12	0.03	< 10	< 10	29	< 10	84	1020
L31200E 5750N	201	202	9	< 0.01	7	430	52	2	3	12	< 0.01	< 10	< 10	6	< 10	54	700
L31200E 5800N	201	202	10	< 0.01	11	510	20	2	2	11	0.02	< 10	< 10	20	< 10	70	960
L31200E 5850N	201	202	9	0.01	5	440	78	6	1	6	0.01	< 10	< 10	13	< 10	50	820
L31200E 5900N	201	202	18	< 0.01	18	900	38	8	< 1	41	< 0.01	< 10	< 10	40	< 10	72	740
L31200E 5950N	201	202	11	< 0.01	21	500	20	2	1	22	0.03	< 10	< 10	29	< 10	128	900
L31200E 6000N	201	202	51	< 0.01	65	1850	26	8	2	58	< 0.01	< 10	< 10	104	< 10	534	1060
L31200E 6050N	201	202	28	< 0.01	37	940	22	6	< 1	27	< 0.01	< 10	< 10	59	< 10	272	940
L31200E 6100N	201	202	35	< 0.01	51	560	36	6	3	29	0.01	< 10	< 10	30	< 10	340	1030
L31200E 6150N	201	202	12	< 0.01	55	1100	28	< 2	3	47	< 0.01	< 10	< 10	27	< 10	172	3060
L31200E 6200N	201	202	9	< 0.01	12	1330	26	< 2	1	29	< 0.01	< 10	< 10	10	< 10	164	1530
L31200E 6250N	201	202	10	< 0.01	15	1140	22	2	< 1	8	< 0.01	< 10	< 10	22	< 10	168	1470
L31200E 6290N	201	202	13	< 0.01	19	980	28	< 2	1	44	< 0.01	< 10	< 10	22	< 10	164	1390
L31500E 5600N	201	202	31	< 0.01	12	740	54	2	1	42	< 0.01	< 10	< 10	12	< 10	326	650
L31500E 5650N	201	202	11	0.03	9	490	16	< 2	1	17	0.04	< 10	< 10	20	< 10	84	990
L31500E 5700N	201	202	14	< 0.01	14	500	20	< 2	1	16	0.04	< 10	< 10	25	< 10	100	1060
L31500E 5750N	201	202	9	< 0.01	10	620	22	< 2	< 1	10	0.01	< 10	< 10	25	< 10	48	1030
L31500E 5800N	201	202	14	< 0.01	12	410	10	< 2	1	15	0.01	< 10	< 10	16	< 10	36	1290
L31500E 5850N	201	202	12	< 0.01	11	570	12	< 2	1	16	0.01	< 10	< 10	20	< 10	50	1150
L31500E 5900N	201	202	28	< 0.01	27	860	48	10	2	15	< 0.01	< 10	< 10	20	< 10	56	550
L31500E 5950N	201	202	27	< 0.01	19	960	40	6	< 1	32	< 0.01	< 10	< 10	110	< 10	172	650
L31500E 6050N	201	202	37	< 0.01	64	620	28	4	3	46	< 0.01	< 10	< 10	86	< 10	580	680
L31500E 6100N	201	202	43	< 0.01	145	330	14	8	4	18	< 0.01	< 10	< 10	62	< 10	986	800
L31500E 6150N	201	202	20	< 0.01	65	1250	38	12	3	47	< 0.01	< 10	< 10	65	< 10	474	1640
L31500E 6200N	201	202	23	0.01	40	1080	38	6	2	36	< 0.01	< 10	< 10	38	< 10	236	1820
L31500E 6250N	201	202	15	< 0.01	50	1140	46	6	3	36	< 0.01	< 10	< 10	30	< 10	354	1040

CERTIFICATION: Hawthorne

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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CERTIFICATE OF ANALYSIS A9831125

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L31500E 6300N	201 202	< 5	< 0.2	0.43	34	170	1.0	< 2	0.32	3.0	14	4	29	4.30	< 10	< 1	0.08	50	0.10	1120
L31500E 6350N	201 202	< 5	< 0.2	0.58	26	150	1.0	< 2	0.23	2.0	16	4	30	4.49	< 10	< 1	0.07	40	0.08	925
L31500E 6400N	201 202	< 5	< 0.2	0.36	24	120	0.5	2	1.89	5.0	19	4	24	3.51	< 10	< 1	0.08	40	0.16	1275
L31500E 6450N	201 202	< 5	< 0.2	0.81	2	40	< 0.5	< 2	0.26	< 0.5	2	1	4	0.82	< 10	< 1	0.02	< 10	0.06	95
L31500E 6500N	201 202	< 5	< 0.2	0.60	8	100	0.5	< 2	0.35	0.5	10	4	17	5.16	< 10	< 1	0.05	70	0.12	1420
L31500E 6550N	201 202	< 5	0.4	0.54	6	160	0.5	< 2	0.27	1.0	11	8	46	2.60	< 10	< 1	0.10	10	0.16	345
L31500E 6600N	201 202	< 5	0.4	0.59	< 2	110	< 0.5	< 2	0.06	< 0.5	4	5	15	1.33	< 10	< 1	0.06	10	0.08	140
L31500E 6650N	201 202	< 5	< 0.2	0.78	10	140	< 0.5	< 2	0.14	< 0.5	3	11	10	3.16	< 10	< 1	0.05	30	0.17	205
L31500E 6700N	201 202	< 5	< 0.2	1.01	12	150	0.5	< 2	4.58	0.5	6	16	16	2.99	< 10	< 1	0.04	30	2.68	995
L31800E 5600N	201 202	< 5	< 0.2	1.46	10	260	1.5	< 2	0.53	0.5	15	17	23	6.62	< 10	< 1	0.28	60	0.56	1320
L31800E 5650N	201 202	< 5	< 0.2	1.01	14	270	1.5	< 2	0.27	< 0.5	8	14	14	5.47	< 10	< 1	0.12	60	0.31	2210
L31800E 5700N	201 202	< 5	0.2	0.83	18	180	1.0	2	0.21	0.5	4	1	19	7.03	< 10	< 1	0.20	280	0.12	2010
L31800E 5750N	201 202	< 5	< 0.2	1.19	12	100	2.0	< 2	0.22	< 0.5	4	< 1	15	9.86	< 10	< 1	0.11	360	0.16	2890
L31800E 5800N	201 202	< 5	< 0.2	1.52	10	150	2.5	< 2	0.21	< 0.5	4	< 1	9	8.89	< 10	< 1	0.06	310	0.18	3370
L31800E 5850N	201 202	< 5	< 0.2	1.19	10	420	3.0	< 2	0.19	< 0.5	4	< 1	7	9.25	< 10	< 1	0.09	300	0.15	3700
L31800E 5900N	201 202	< 5	< 0.2	0.80	10	230	2.0	< 2	0.15	< 0.5	4	< 1	9	6.49	< 10	< 1	0.09	240	0.13	2810
L31800E 5950N	201 202	< 5	0.2	0.84	38	170	1.0	< 2	0.12	1.0	6	4	25	9.42	< 10	< 1	0.30	220	0.11	1780
L31800E 6050N	201 202	< 5	0.2	0.92	22	120	1.0	< 2	0.12	0.5	6	5	24	8.68	< 10	< 1	0.21	310	0.13	2020
L31800E 6100N	201 202	< 5	0.2	0.66	48	110	1.0	< 2	0.05	1.5	6	1	25	10.40	< 10	< 1	0.07	280	0.07	1780
L31800E 6150N	201 202	< 5	0.2	0.47	18	270	0.5	< 2	0.27	1.5	5	4	17	7.11	< 10	< 1	0.27	190	0.16	1900
L31800E 6200N	201 202	< 5	0.2	0.64	20	260	1.0	2	0.10	0.5	5	3	14	8.02	< 10	< 1	0.31	100	0.08	1970
L31800E 6250N	201 202	< 5	< 0.2	0.70	12	200	1.0	< 2	0.13	0.5	5	5	15	6.56	< 10	< 1	0.29	110	0.11	1305
L31800E 6300N	201 202	< 5	1.2	0.95	136	190	1.5	< 2	0.18	13.5	8	6	60	7.82	< 10	< 1	0.13	50	0.15	2630
L31800E 6350N	201 202	< 5	< 0.2	0.76	14	60	< 0.5	< 2	0.07	0.5	2	8	16	2.99	< 10	< 1	0.06	40	0.10	465
L31800E 6400N	201 202	< 5	< 0.2	0.83	20	100	0.5	< 2	0.11	0.5	6	7	19	2.84	< 10	< 1	0.07	30	0.10	430
L31800E 6450N	201 202	< 5	0.6	0.41	22	90	0.5	< 2	0.13	2.5	23	7	53	4.20	< 10	< 1	0.04	20	0.07	775
L31800E 6500N	201 202	< 5	0.2	0.75	6	70	< 0.5	< 2	0.09	0.5	15	8	39	2.35	< 10	< 1	0.06	< 10	0.23	265
L31800E 6550N	201 202	< 5	< 0.2	0.75	2	120	< 0.5	< 2	0.03	< 0.5	2	5	7	2.44	< 10	< 1	0.07	20	0.04	485
L31800E 6600N	201 202	< 5	< 0.2	0.41	18	70	< 0.5	< 2	0.01	< 0.5	7	6	24	2.61	< 10	< 1	0.07	30	0.02	110
L31800E 6650N	201 202	< 5	< 0.2	0.68	< 2	30	< 0.5	< 2	0.06	< 0.5	< 1	1	4	0.63	< 10	< 1	0.03	10	0.03	35
L31800E 6700N	201 202	< 5	< 0.2	0.73	8	100	< 0.5	< 2	0.04	< 0.5	3	7	11	2.24	< 10	< 1	0.06	30	0.07	525
L32100E 5800N	201 202	< 5	< 0.2	1.62	24	220	2.0	< 2	0.19	< 0.5	6	< 1	15	7.10	< 10	< 1	0.43	60	0.09	1395
L32100E 5850N	201 202	< 5	0.2	1.27	30	440	1.5	< 2	0.19	0.5	7	2	16	8.72	< 10	< 1	0.39	70	0.09	4060
L32100E 5900N	201 202	< 5	< 0.2	0.76	34	270	1.5	2	0.16	0.5	5	1	13	6.65	< 10	< 1	0.40	120	0.07	1665
L32100E 6000N	201 202	< 5	0.2	1.35	30	110	2.0	< 2	0.34	0.5	14	15	46	7.70	< 10	< 1	0.15	210	0.36	1350
L32100E 6050N	201 202	< 5	< 0.2	1.07	28	160	1.5	< 2	0.35	0.5	10	20	31	8.57	< 10	< 1	0.33	160	0.36	2070
L32100E 6100N	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L32100E 6150N	201 202	< 5	0.4	0.89	58	310	1.5	< 2	0.20	1.0	8	7	51	8.71	< 10	< 1	0.28	300	0.16	1685
L32100E 6200N	201 202	< 5	< 0.2	1.13	20	120	0.5	< 2	0.07	< 0.5	5	14	20	4.50	< 10	< 1	0.10	80	0.15	665
L32100E 6250N	201 202	< 5	< 0.2	1.35	18	80	< 0.5	< 2	0.13	< 0.5	6	25	17	2.46	< 10	< 1	0.06	40	0.39	255

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J.WEBER CC:VIC TANAKA

Certificate Date: 29-SEP-1998
Invoice No. :I9831125
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831125

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
L31500E 6300N	201 202	22	< 0.01	53	1060	38	6	3	33	< 0.01	< 10	< 10	39	< 10	352	1050
L31500E 6350N	201 202	16	0.01	43	820	30	2	3	25	< 0.01	< 10	< 10	30	< 10	346	1120
L31500E 6400N	201 202	11	0.01	33	1550	14	2	3	73	< 0.01	< 10	< 10	22	< 10	236	690
L31500E 6450N	201 202	3	0.06	3	560	< 2	2	< 1	12	0.01	< 10	< 10	11	< 10	18	890
L31500E 6500N	201 202	5	0.02	19	1080	18	< 2	2	24	0.01	< 10	< 10	19	< 10	108	1240
L31500E 6550N	201 202	5	< 0.01	41	800	14	4	2	53	< 0.01	< 10	< 10	19	< 10	266	1640
L31500E 6600N	201 202	4	0.01	13	790	10	< 2	< 1	19	< 0.01	< 10	< 10	14	< 10	88	1630
L31500E 6650N	201 202	6	< 0.01	14	430	18	2	< 1	7	< 0.01	< 10	< 10	21	< 10	106	1440
L31500E 6700N	201 202	3	0.01	15	940	26	< 2	2	20	< 0.01	< 10	< 10	26	< 10	154	1220
L31800E 5600N	201 202	11	< 0.01	18	1400	10	< 2	4	56	0.08	< 10	< 10	22	< 10	104	1470
L31800E 5650N	201 202	13	< 0.01	12	820	12	< 2	3	30	0.06	< 10	< 10	18	< 10	56	1480
L31800E 5700N	201 202	21	< 0.01	8	410	30	< 2	1	53	< 0.01	< 10	< 10	4	< 10	108	1070
L31800E 5750N	201 202	16	< 0.01	4	190	16	4	1	28	< 0.01	< 10	< 10	< 1	< 10	218	690
L31800E 5800N	201 202	19	< 0.01	3	160	10	< 2	1	25	< 0.01	< 10	< 10	< 1	< 10	136	710
L31800E 5850N	201 202	21	< 0.01	4	200	10	< 2	1	20	< 0.01	< 10	< 10	2	< 10	116	910
L31800E 5900N	201 202	19	< 0.01	3	150	14	2	< 1	19	< 0.01	< 10	< 10	1	< 10	68	900
L31800E 5950N	201 202	28	0.01	11	490	56	6	1	40	< 0.01	< 10	< 10	8	< 10	220	860
L31800E 6050N	201 202	23	0.03	11	600	52	< 2	1	37	0.01	< 10	< 10	13	< 10	180	920
L31800E 6100N	201 202	31	< 0.01	7	420	70	6	1	25	< 0.01	< 10	< 10	7	< 10	148	790
L31800E 6150N	201 202	25	0.01	10	670	44	< 2	2	49	< 0.01	< 10	< 10	11	< 10	136	1800
L31800E 6200N	201 202	18	0.01	8	810	32	< 2	2	66	< 0.01	< 10	< 10	8	< 10	96	1600
L31800E 6250N	201 202	17	0.01	9	790	30	< 2	1	64	< 0.01	< 10	< 10	11	< 10	100	1500
L31800E 6300N	201 202	119	< 0.01	64	900	198	22	2	28	< 0.01	< 10	< 10	139	< 10	1160	1250
L31800E 6350N	201 202	13	0.03	14	800	18	< 2	< 1	10	0.01	< 10	< 10	38	< 10	148	750
L31800E 6400N	201 202	11	0.02	24	950	42	2	1	12	< 0.01	< 10	< 10	40	< 10	182	1140
L31800E 6450N	201 202	7	< 0.01	58	1040	38	2	4	17	< 0.01	< 10	< 10	23	< 10	498	2040
L31800E 6500N	201 202	5	< 0.01	40	820	20	< 2	1	19	< 0.01	< 10	< 10	21	< 10	286	1820
L31800E 6550N	201 202	5	0.01	7	1340	8	< 2	< 1	8	< 0.01	< 10	< 10	22	< 10	86	1810
L31800E 6600N	201 202	10	< 0.01	23	970	20	4	< 1	13	< 0.01	< 10	< 10	40	< 10	242	1930
L31800E 6650N	201 202	1	0.06	1	410	2	< 2	< 1	5	0.01	< 10	< 10	13	< 10	10	900
L31800E 6700N	201 202	8	0.02	8	580	16	< 2	< 1	8	0.01	< 10	< 10	27	< 10	66	1340
L32100E 5800N	201 202	23	0.01	9	1010	14	6	2	172	< 0.01	< 10	< 10	4	< 10	72	760
L32100E 5850N	201 202	22	0.01	12	930	32	2	2	124	< 0.01	< 10	< 10	7	< 10	140	1690
L32100E 5900N	201 202	21	0.01	6	790	32	4	1	94	< 0.01	< 10	< 10	5	< 10	114	1320
L32100E 6000N	201 202	26	0.01	32	920	36	2	3	43	< 0.01	< 10	< 10	13	< 10	212	810
L32100E 6050N	201 202	18	0.01	21	960	30	2	3	61	0.01	< 10	< 10	14	< 10	154	850
L32100E 6100N	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L32100E 6150N	201 202	41	0.01	17	950	62	6	1	61	< 0.01	< 10	< 10	15	< 10	240	1450
L32100E 6200N	201 202	19	< 0.01	14	680	32	< 2	1	14	0.01	< 10	< 10	37	< 10	116	910
L32100E 6250N	201 202	8	0.01	20	540	14	< 2	3	13	0.05	< 10	< 10	43	< 10	70	930

CERTIFICATION: Hawthorne

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J.WEBER CC:VIC TANAKA

Certificate Date: 29-SEP-1998
Invoice No. : I9831125
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831125

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L32100E 6300N	201	202	< 5	< 0.2	1.16	20	60	0.5	< 2	0.08	0.5	6	17	19	2.96	< 10	< 1	0.06	60	0.27	435
L32100E 6350N	201	202	< 5	< 0.2	1.00	18	80	0.5	< 2	0.13	0.5	6	17	17	3.26	< 10	< 1	0.07	60	0.29	680
L32100E 6400N	201	202	< 5	< 0.2	0.84	14	90	0.5	< 2	0.10	1.0	5	11	15	3.41	< 10	< 1	0.08	60	0.20	935
L32100E 6500N	201	202	< 5	< 0.2	0.74	12	100	0.5	2	0.22	0.5	4	2	15	4.10	< 10	< 1	0.08	60	0.09	1205
L32100E 6550N	201	202	< 5	< 0.2	0.40	16	60	0.5	2	0.13	< 0.5	4	< 1	7	1.78	< 10	< 1	0.04	10	0.04	525
L32100E 6600N	201	202	< 5	< 0.2	0.43	20	100	0.5	< 2	0.21	1.0	8	2	13	4.00	< 10	< 1	0.05	40	0.08	1460
L32100E 6650N	201	202	< 5	0.6	0.70	8	40	< 0.5	< 2	0.09	0.5	9	9	38	1.90	< 10	< 1	0.06	< 10	0.25	115
L32100E 6700N	201	202	< 5	< 0.2	1.12	6	70	< 0.5	< 2	0.03	< 0.5	6	16	17	3.60	< 10	< 1	0.08	40	0.30	360
L32400E 5850N	201	202	< 5	0.4	0.67	38	360	1.5	< 2	0.07	1.5	6	1	9	7.60	< 10	< 1	0.13	110	0.10	2750
L32400E 5900N	201	202	< 5	< 0.2	0.59	22	210	1.0	2	0.13	2.0	5	< 1	9	6.72	< 10	< 1	0.22	90	0.09	1715
L32400E 5950N	201	202	< 5	< 0.2	0.78	20	160	1.5	< 2	0.08	1.5	6	< 1	15	8.16	< 10	< 1	0.70	50	0.04	1265
L32400E 6000N	201	202	< 5	0.2	0.83	36	290	1.0	< 2	0.13	< 0.5	5	4	20	6.80	< 10	< 1	0.38	280	0.08	1535
L32400E 6050N	201	202	< 5	0.4	0.69	22	130	0.5	< 2	0.11	0.5	7	4	35	8.97	< 10	< 1	0.17	600	0.13	1940
L32400E 6100N	201	202	< 5	0.2	1.16	34	120	2.5	< 2	0.25	2.5	14	7	31	7.62	< 10	< 1	0.09	490	0.18	1755
L32400E 6150N	201	202	< 5	< 0.2	0.59	14	50	1.0	< 2	0.27	0.5	13	13	27	5.16	< 10	< 1	0.03	110	0.12	1485
L32400E 6200N	201	202	< 5	0.4	0.77	28	70	1.5	< 2	0.25	2.0	10	15	36	7.83	< 10	< 1	0.06	110	0.24	1105
L32400E 6300N	201	202	< 5	< 0.2	1.11	< 2	100	1.5	< 2	8.77	0.5	4	3	14	3.68	< 10	< 1	0.17	60	0.30	760
L32400E 6350N	201	202	< 5	< 0.2	0.67	10	40	< 0.5	< 2	0.14	< 0.5	8	6	10	3.27	< 10	< 1	0.07	50	0.14	635
L32400E 6400N	201	202	< 5	< 0.2	1.53	8	170	1.5	< 2	0.17	0.5	5	3	13	4.25	< 10	< 1	0.13	60	0.21	1795
L32400E 6450N	201	202	< 5	< 0.2	1.32	12	90	1.5	< 2	0.16	< 0.5	2	1	10	7.52	< 10	< 1	0.08	120	0.18	3590
L32400E 6500N	201	202	< 5	< 0.2	1.56	18	90	2.0	< 2	0.25	< 0.5	1	1	6	6.08	< 10	< 1	0.08	130	0.22	1925
L32400E 6550N	201	202	< 5	< 0.2	1.26	12	130	2.0	< 2	0.26	1.5	3	4	17	6.32	< 10	< 1	0.09	300	0.22	3530
L32400E 6600N	201	202	< 5	< 0.2	1.43	2	110	1.5	2	0.30	< 0.5	3	1	10	4.08	< 10	< 1	0.07	120	0.22	2320
L32400E 6650N	201	202	< 5	< 0.2	0.74	48	90	1.0	2	0.06	2.5	3	4	16	5.29	< 10	< 1	0.08	90	0.08	1815
L32400E 6700N	201	202	< 5	0.2	1.46	22	230	1.0	2	0.52	1.5	10	15	85	5.95	< 10	< 1	0.06	10	0.37	460
CL1421 0S	201	202	< 5	< 0.2	0.67	14	370	< 0.5	2	0.06	< 0.5	4	15	13	2.45	< 10	< 1	0.15	20	0.08	80
CL1421 100S	201	202	< 5	0.2	0.93	36	430	0.5	2	0.15	0.5	11	20	27	3.94	< 10	< 1	0.22	30	0.22	420
CL1421 200S	201	202	< 5	< 0.2	0.82	20	410	< 0.5	< 2	0.03	< 0.5	4	17	17	2.77	< 10	< 1	0.15	30	0.09	75
CL1421 300S	201	202	< 5	< 0.2	0.38	10	360	< 0.5	< 2	0.01	< 0.5	1	9	8	1.48	< 10	< 1	0.15	30	0.03	30
CL1421 400S	201	202	< 5	< 0.2	0.78	24	260	< 0.5	< 2	0.02	< 0.5	5	15	14	2.92	< 10	< 1	0.12	30	0.10	85
CL1421 500S	201	202	< 5	0.2	0.68	12	370	< 0.5	2	0.02	< 0.5	3	10	11	1.79	< 10	< 1	0.14	30	0.07	45
CL1421 600S	201	202	< 5	0.2	0.57	16	640	< 0.5	< 2	0.03	< 0.5	4	13	12	2.74	< 10	< 1	0.19	20	0.07	80
CL1421 700S	201	202	< 5	< 0.2	0.59	8	180	< 0.5	< 2	0.01	< 0.5	1	8	21	0.77	< 10	< 1	0.05	30	0.03	20
CL1421 800S	201	202	< 5	< 0.2	0.37	6	90	< 0.5	< 2	0.10	< 0.5	2	11	6	0.88	< 10	< 1	0.04	10	0.09	75
CL1421 900S	201	202	< 5	< 0.2	0.50	2	50	< 0.5	2	0.04	< 0.5	2	6	9	0.98	< 10	< 1	0.04	< 10	0.05	60
CL1421 1000S	201	202	< 5	< 0.2	0.80	12	120	< 0.5	2	0.04	< 0.5	5	20	21	2.55	< 10	< 1	0.05	20	0.13	125
CL1421 1100S	201	202	< 5	1.6	1.28	18	430	0.5	< 2	0.08	1.0	7	24	31	2.91	< 10	< 1	0.09	20	0.23	975
CL1421 1200S	201	202	< 5	0.8	0.77	10	130	< 0.5	< 2	0.04	0.5	5	15	29	1.92	< 10	< 1	0.07	10	0.14	165
CL1421 1300S	201	202	< 5	0.4	0.95	10	80	< 0.5	< 2	0.01	< 0.5	4	15	28	1.91	< 10	< 1	0.10	10	0.11	50
CL1421 1400S	201	202	< 5	0.6	0.90	18	160	< 0.5	< 2	0.03	0.5	6	15	54	2.27	< 10	< 1	0.08	10	0.11	95

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J.WEBER CC:VIC TANAKA

Page Number :7-B
Total Pages :8
Certificate Date: 29-SEP-1998
Invoice No. :19831125
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831125

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
L32100E 6300N	201 202	16	0.01	21	510	28	< 2	1	10	0.03	< 10	< 10	41	< 10	144	930
L32100E 6350N	201 202	8	0.01	21	600	22	2	2	14	0.04	< 10	< 10	32	< 10	94	930
L32100E 6400N	201 202	8	0.01	18	590	16	< 2	1	12	0.02	< 10	< 10	30	< 10	116	1070
L32100E 6500N	201 202	18	0.03	20	790	24	4	1	13	< 0.01	< 10	< 10	29	< 10	82	760
L32100E 6550N	201 202	3	0.02	5	850	22	< 2	1	10	< 0.01	< 10	< 10	8	< 10	154	990
L32100E 6600N	201 202	9	< 0.01	16	940	42	< 2	2	24	< 0.01	< 10	< 10	9	< 10	168	1150
L32100E 6650N	201 202	3	< 0.01	38	650	16	2	1	22	< 0.01	< 10	< 10	21	< 10	194	1440
L32100E 6700N	201 202	5	< 0.01	21	630	28	2	< 1	10	< 0.01	< 10	< 10	26	< 10	126	1140
L32400E 5850N	201 202	18	0.04	5	450	112	< 2	1	49	< 0.01	< 10	< 10	2	< 10	172	2180
L32400E 5900N	201 202	20	< 0.01	7	530	50	< 2	1	43	< 0.01	< 10	< 10	3	< 10	584	1840
L32400E 5950N	201 202	16	0.01	5	890	40	< 2	1	93	< 0.01	< 10	< 10	3	< 10	238	1150
L32400E 6000N	201 202	25	0.02	7	870	36	2	1	72	< 0.01	< 10	< 10	9	< 10	68	1320
L32400E 6050N	201 202	36	0.02	10	600	48	< 2	1	39	< 0.01	< 10	< 10	9	< 10	116	850
L32400E 6100N	201 202	21	0.02	30	970	72	< 2	3	52	< 0.01	< 10	< 10	9	< 10	538	1190
L32400E 6150N	201 202	7	0.03	21	1110	8	< 2	4	15	0.01	< 10	< 10	21	< 10	160	940
L32400E 6200N	201 202	18	0.01	29	850	48	2	4	19	< 0.01	< 10	< 10	30	< 10	388	910
L32400E 6300N	201 202	7	0.03	5	370	16	2	1	128	< 0.01	< 10	< 10	4	< 10	140	820
L32400E 6350N	201 202	5	0.04	5	1080	8	< 2	1	13	0.01	< 10	< 10	14	< 10	40	1020
L32400E 6400N	201 202	8	0.02	7	500	14	< 2	1	13	< 0.01	< 10	< 10	7	< 10	88	1430
L32400E 6450N	201 202	21	0.02	7	520	22	< 2	1	18	< 0.01	< 10	< 10	11	< 10	64	880
L32400E 6500N	201 202	15	< 0.01	3	490	6	< 2	1	18	< 0.01	< 10	< 10	5	< 10	68	820
L32400E 6550N	201 202	17	< 0.01	7	2110	14	< 2	1	28	< 0.01	< 10	< 10	9	< 10	152	760
L32400E 6600N	201 202	10	0.03	3	560	4	< 2	< 1	23	< 0.01	< 10	< 10	10	< 10	68	790
L32400E 6650N	201 202	26	0.01	25	940	28	6	1	21	< 0.01	< 10	< 10	79	< 10	402	610
L32400E 6700N	201 202	8	0.01	47	1290	32	< 2	5	49	< 0.01	< 10	< 10	75	< 10	322	1000
CL1421 0S	201 202	8	< 0.01	13	890	30	< 2	< 1	113	< 0.01	< 10	< 10	35	< 10	50	1630
CL1421 100S	201 202	11	< 0.01	25	1700	48	< 2	2	291	0.01	< 10	< 10	35	< 10	80	1960
CL1421 200S	201 202	8	< 0.01	19	1140	36	< 2	< 1	249	< 0.01	< 10	< 10	38	< 10	68	1960
CL1421 300S	201 202	9	< 0.01	6	960	48	< 2	< 1	151	< 0.01	< 10	< 10	14	< 10	22	1820
CL1421 400S	201 202	8	< 0.01	21	970	46	2	< 1	228	< 0.01	< 10	< 10	37	< 10	56	1960
CL1421 500S	201 202	6	< 0.01	12	710	52	< 2	< 1	125	< 0.01	< 10	< 10	22	< 10	32	2030
CL1421 600S	201 202	7	0.01	15	1350	56	< 2	1	396	< 0.01	< 10	< 10	32	< 10	58	2980
CL1421 700S	201 202	2	0.01	5	680	18	< 2	< 1	20	< 0.01	< 10	< 10	15	< 10	12	1700
CL1421 800S	201 202	3	0.01	8	260	2	< 2	< 1	13	0.01	< 10	< 10	17	< 10	42	1790
CL1421 900S	201 202	2	0.04	5	610	6	< 2	< 1	7	< 0.01	< 10	< 10	17	< 10	30	1210
CL1421 1000S	201 202	6	< 0.01	20	540	20	< 2	< 1	15	< 0.01	< 10	< 10	50	< 10	98	1730
CL1421 1100S	201 202	7	0.01	33	1190	18	< 2	2	23	< 0.01	< 10	< 10	29	< 10	172	1790
CL1421 1200S	201 202	4	0.01	24	670	12	< 2	< 1	11	< 0.01	< 10	< 10	26	< 10	104	1590
CL1421 1300S	201 202	9	< 0.01	25	570	14	< 2	1	10	< 0.01	< 10	< 10	46	< 10	122	1360
CL1421 1400S	201 202	14	< 0.01	35	740	10	< 2	1	9	< 0.01	< 10	< 10	44	< 10	168	1200

CERTIFICATION: Hart Richter

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J.WEBER CC:VIC TANAKA

Page Number :8-A
Total Pages :8
Certificate Date: 29-SEP-1998
Invoice No. :19831125
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831125

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
CL1421 1500S	201 202	< 5	1.6	0.66	10	90	< 0.5	< 2	0.06	0.5	8	12	82	3.04	< 10	< 1	0.09	10	0.13	120
CL1421 1600S	201 202	< 5	0.2	0.61	16	70	< 0.5	< 2	0.11	< 0.5	6	13	27	2.13	< 10	< 1	0.05	10	0.24	75
CL1421 1700S	201 202	< 5	< 0.2	1.04	6	90	< 0.5	2	0.07	0.5	5	24	16	2.11	< 10	< 1	0.07	10	0.29	110
CL1421 1800S	201 202	< 5	0.4	0.49	10	60	< 0.5	< 2	< 0.01	< 0.5	4	8	19	1.72	< 10	< 1	0.05	< 10	0.04	35
CL1421 1900S	201 202	< 5	0.2	0.94	16	310	0.5	< 2	0.28	2.0	14	19	41	3.28	< 10	< 1	0.10	30	0.34	430
CL1421 2000S	201 202	< 5	0.2	0.83	10	110	< 0.5	< 2	0.09	0.5	7	14	34	2.90	< 10	< 1	0.08	10	0.23	135
GSJW98-3	201 202	< 5	< 0.2	1.65	44	40	0.5	< 2	< 0.01	0.5	3	1	37	14.60	< 10	2	0.08	40	0.04	195
JK02 1300E	201 202	< 5	< 0.2	0.46	8	120	< 0.5	< 2	< 0.01	< 0.5	3	5	18	1.29	< 10	< 1	0.03	10	0.03	60
JK02 1400E	201 202	< 5	0.2	0.25	10	80	< 0.5	< 2	< 0.01	< 0.5	4	4	20	1.30	< 10	< 1	0.03	10	0.01	45
JK02 1500E	201 202	< 5	0.2	0.30	12	90	< 0.5	< 2	0.01	< 0.5	4	7	28	1.78	< 10	< 1	0.04	10	0.02	75
JK02 1600E	201 202	< 5	0.2	0.38	14	330	< 0.5	< 2	0.03	< 0.5	4	9	21	1.40	< 10	< 1	0.05	10	0.03	55
JK02 1700E	201 202	< 5	0.6	1.09	2	1010	< 0.5	< 2	0.10	< 0.5	4	19	14	1.68	< 10	1	0.08	20	0.17	175
JK02 1800E	201 202	< 5	< 0.2	0.70	8	130	< 0.5	< 2	1.34	1.0	1	3	17	0.58	< 10	< 1	0.02	< 10	0.05	20
JK02 1900E	201 202	< 5	0.2	1.30	< 2	350	< 0.5	< 2	0.58	1.0	10	33	27	3.12	< 10	< 1	0.11	50	0.32	250
JK02 2000E	201 202	< 5	0.8	0.90	6	290	< 0.5	< 2	0.64	0.5	3	14	15	1.47	< 10	< 1	0.09	40	0.18	60
RH02 0S	201 202	< 5	0.2	0.90	8	440	0.5	< 2	0.85	2.0	9	16	25	2.43	< 10	< 1	0.07	30	0.23	660
RH02 100S	201 202	< 5	0.4	0.72	4	260	< 0.5	< 2	0.27	< 0.5	6	12	16	1.89	< 10	< 1	0.08	10	0.17	210
RH02 200S	201 202	< 5	< 0.2	0.42	12	40	< 0.5	< 2	0.01	< 0.5	3	5	7	1.39	< 10	< 1	0.04	10	0.03	55
RH02 300S	201 202	< 5	0.2	0.66	22	210	< 0.5	< 2	0.04	0.5	4	15	25	4.61	< 10	< 1	0.08	80	0.12	130
RH02 400S	201 202	< 5	0.2	0.84	6	290	0.5	< 2	0.61	< 0.5	13	16	39	2.67	< 10	< 1	0.11	40	0.15	250
RH02 500S	201 202	< 5	< 0.2	1.17	10	310	1.0	< 2	2.42	0.5	18	24	52	3.60	< 10	< 1	0.13	30	0.24	390
RH02 600S	201 202	< 5	< 0.2	0.90	< 2	180	< 0.5	2	1.28	< 0.5	9	12	24	2.71	< 10	< 1	0.10	10	0.19	210
RH02 700S	201 202	< 5	1.0	0.85	6	420	< 0.5	< 2	1.14	0.5	5	11	16	2.07	< 10	< 1	0.06	40	0.17	100
RH02 800S	201 202	< 5	< 0.2	1.00	12	600	0.5	< 2	0.53	0.5	12	18	22	2.84	< 10	< 1	0.12	50	0.22	215
RH02 900S	201 202	< 5	< 0.2	1.84	22	470	1.0	< 2	0.31	0.5	17	44	56	4.50	< 10	< 1	0.18	50	0.69	590
RH02 1000S	201 202	< 5	< 0.2	1.58	12	390	0.5	2	0.56	0.5	16	45	36	3.22	< 10	< 1	0.10	40	0.81	530
RH02 1100S	201 202	< 5	0.2	0.83	2	330	< 0.5	< 2	0.33	0.5	5	21	16	1.93	< 10	< 1	0.08	30	0.26	100
RH02 1200S	201 202	< 5	0.2	1.13	14	330	< 0.5	2	0.88	0.5	10	58	20	2.65	< 10	< 1	0.07	20	0.70	265
RH02 1300S	201 202	< 5	< 0.2	1.34	2	350	0.5	< 2	0.66	0.5	8	31	23	2.58	< 10	< 1	0.07	30	0.57	355
RH02 1400S	201 202	< 5	< 0.2	0.88	18	390	< 0.5	< 2	0.24	< 0.5	5	19	15	2.26	< 10	< 1	0.06	40	0.19	185
RH02 1500S	201 202	< 5	0.4	1.01	14	290	0.5	< 2	0.55	0.5	8	26	21	2.56	< 10	< 1	0.09	30	0.36	250

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J.WEBER CC:VIC TANAKA

Page Number :8-B
Total Pages :8
Certificate Date: 29-SEP-1998
Invoice No. :I9831125
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831125

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
CL1421 1500S	201 202	10	< 0.01	49	1070	16	4	2	14	< 0.01	< 10	< 10	23	< 10	246	1320
CL1421 1600S	201 202	3	< 0.01	32	910	16	< 2	1	40	< 0.01	< 10	< 10	26	< 10	160	2480
CL1421 1700S	201 202	3	< 0.01	22	480	14	< 2	1	18	0.03	< 10	< 10	38	< 10	94	1430
CL1421 1800S	201 202	3	< 0.01	14	720	14	2	< 1	12	< 0.01	< 10	< 10	35	< 10	124	1760
CL1421 1900S	201 202	8	< 0.01	53	1020	32	6	3	79	0.01	< 10	< 10	43	< 10	300	2070
CL1421 2000S	201 202	5	< 0.01	33	1140	22	6	1	45	< 0.01	< 10	< 10	34	< 10	188	1960
GSJW98-3	201 202	51	< 0.01	7	550	100	< 2	1	4	< 0.01	< 10	< 10	8	< 10	114	830
JK02 1300E	201 202	1	< 0.01	12	230	8	2	< 1	4	< 0.01	< 10	< 10	19	< 10	44	2340
JK02 1400E	201 202	1	< 0.01	17	240	6	2	< 1	3	< 0.01	< 10	< 10	22	< 10	68	2430
JK02 1500E	201 202	2	< 0.01	24	290	12	6	< 1	7	0.01	< 10	< 10	24	< 10	88	2560
JK02 1600E	201 202	3	< 0.01	17	320	10	< 2	< 1	10	< 0.01	< 10	< 10	22	< 10	72	1540
JK02 1700E	201 202	1	< 0.01	15	970	12	2	1	13	< 0.01	< 10	< 10	23	< 10	76	1550
JK02 1800E	201 202	1	0.04	9	700	< 2	2	< 1	39	0.02	< 10	< 10	9	< 10	42	400
JK02 1900E	201 202	4	0.01	37	790	22	6	3	34	0.05	< 10	< 10	29	< 10	170	1960
JK02 2000E	201 202	3	0.01	16	550	10	2	1	27	0.01	< 10	< 10	17	< 10	162	2770
RH02 0S	201 202	3	< 0.01	29	1200	32	2	1	70	< 0.01	< 10	< 10	21	< 10	180	1940
RH02 100S	201 202	2	0.04	24	520	16	2	1	32	< 0.01	< 10	< 10	17	< 10	112	1700
RH02 200S	201 202	1	< 0.01	7	550	22	< 2	< 1	7	< 0.01	< 10	< 10	14	< 10	50	1090
RH02 300S	201 202	10	< 0.01	19	780	36	4	1	18	0.01	< 10	< 10	18	< 10	174	2030
RH02 400S	201 202	1	0.03	37	880	14	4	2	26	0.01	< 10	< 10	15	< 10	98	1780
RH02 500S	201 202	4	< 0.01	39	920	12	6	7	66	< 0.01	< 10	< 10	21	< 10	108	1540
RH02 600S	201 202	1	0.03	28	660	6	< 2	3	45	0.01	< 10	< 10	15	< 10	96	1410
RH02 700S	201 202	4	0.01	22	990	12	2	1	64	< 0.01	< 10	< 10	12	< 10	90	2260
RH02 800S	201 202	3	0.01	29	1330	24	6	< 1	72	< 0.01	< 10	< 10	17	< 10	82	2590
RH02 900S	201 202	5	< 0.01	52	1090	24	4	8	32	0.02	< 10	< 10	35	< 10	240	2190
RH02 1000S	201 202	2	< 0.01	38	810	16	< 2	4	38	0.04	< 10	< 10	29	< 10	138	1880
RH02 1100S	201 202	3	0.01	20	410	10	2	1	24	0.02	< 10	< 10	23	< 10	84	1950
RH02 1200S	201 202	3	< 0.01	40	770	22	< 2	3	46	0.05	< 10	< 10	29	< 10	150	1560
RH02 1300S	201 202	3	0.01	27	720	16	< 2	3	32	0.03	< 10	< 10	26	< 10	116	1560
RH02 1400S	201 202	2	< 0.01	17	480	20	2	< 1	16	0.02	< 10	< 10	28	< 10	78	1840
RH02 1500S	201 202	4	< 0.01	26	810	24	6	3	31	0.03	< 10	< 10	29	< 10	166	1910

CERTIFICATION: Hartfielden

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Certificate Date: 30-SEP-1998
Invoice No. :I9831790
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831790

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
4600N 17450E	201 202	< 5	< 0.2	0.69	10	130	< 0.5	< 2	0.06	< 0.5	4	14	15	2.33	< 10	< 1	0.09	30	0.10	65
4600N 17500E	201 202	< 5	< 0.2	1.05	10	250	0.5	< 2	0.38	< 0.5	9	20	21	2.95	< 10	< 1	0.11	70	0.23	320
4600N 17550E	201 202	< 5	0.2	1.11	14	500	< 0.5	< 2	0.92	< 0.5	14	27	31	4.96	< 10	< 1	0.22	70	0.30	265
4600N 17650E	201 202	< 5	< 0.2	1.35	10	360	< 0.5	< 2	0.93	< 0.5	22	30	38	5.27	< 10	< 1	0.22	50	0.42	555
4600N 17700E	201 202	< 5	< 0.2	2.26	10	400	0.5	< 2	0.97	< 0.5	36	85	65	7.08	< 10	< 1	0.28	90	1.20	1245
4600N 17750E	201 202	< 5	< 0.2	1.67	8	380	< 0.5	< 2	1.29	< 0.5	32	45	56	5.71	< 10	< 1	0.22	60	0.66	1055
4600N 17800E	201 202	< 5	< 0.2	3.81	10	210	0.5	2	1.01	0.5	68	201	115	7.57	10	< 1	0.12	40	2.58	2380
4600N 17850E	201 202	< 5	< 0.2	3.58	2	190	0.5	< 2	1.39	< 0.5	41	145	86	6.01	< 10	< 1	0.21	40	2.39	1190
4600N 17950E	201 202	< 5	< 0.2	3.62	2	170	0.5	< 2	1.47	< 0.5	34	187	63	4.80	< 10	< 1	0.13	30	3.06	1665
4600N 18000E	201 202	< 5	< 0.2	2.73	4	210	0.5	< 2	1.87	< 0.5	27	120	59	4.33	< 10	< 1	0.15	30	2.07	1135
4600N 18050E	201 202	< 5	< 0.2	2.21	6	300	0.5	2	1.81	< 0.5	40	102	66	5.42	< 10	< 1	0.30	20	1.41	590
4600N 18100E	201 202	< 5	< 0.2	1.53	8	470	0.5	< 2	0.31	< 0.5	43	29	57	3.21	< 10	< 1	0.14	10	0.80	1515
4600N 18150E	201 202	< 5	< 0.2	1.54	4	440	0.5	< 2	0.12	< 0.5	20	28	57	3.31	< 10	< 1	0.16	10	0.49	1235
4600N 18250E	201 202	< 5	< 0.2	1.58	2	370	0.5	< 2	0.28	< 0.5	16	50	32	2.93	< 10	< 1	0.14	10	0.72	655
4600N 18300E	201 202	< 5	0.2	1.24	10	770	0.5	< 2	0.21	< 0.5	30	22	84	3.91	< 10	< 1	0.15	< 10	0.53	780
4600N 18350E	201 202	< 5	< 0.2	1.10	2	380	< 0.5	< 2	0.20	< 0.5	21	16	55	2.45	< 10	< 1	0.09	< 10	0.70	560
5000N 18450E	201 202	< 5	0.4	0.65	22	570	< 0.5	< 2	0.14	< 0.5	5	11	17	3.87	< 10	< 1	0.24	20	0.10	260
5000N 18500E	201 202	< 5	0.2	0.87	24	390	< 0.5	< 2	0.04	< 0.5	8	30	25	5.76	< 10	< 1	0.44	80	0.28	170
5000N 18550E	201 202	< 5	0.2	0.96	16	560	0.5	< 2	0.16	0.5	12	30	30	5.93	< 10	< 1	0.41	120	0.28	315
5000N 18600E	201 202	< 5	0.2	1.16	14	480	< 0.5	< 2	0.14	< 0.5	9	41	24	5.99	< 10	< 1	0.42	120	0.26	400
5000N 18650E	201 202	< 5	0.2	1.45	12	530	< 0.5	< 2	0.18	< 0.5	14	101	30	5.82	< 10	< 1	0.45	60	0.66	325
5000N 18675E	201 202	< 5	0.2	2.22	14	360	0.5	< 2	0.31	< 0.5	22	161	47	7.20	< 10	< 1	0.56	90	1.25	480
5000N 18700E	201 202	< 5	< 0.2	2.06	10	510	0.5	< 2	0.48	< 0.5	30	183	48	6.12	< 10	< 1	0.33	50	1.29	590
5000N 18750E	201 202	< 5	0.2	1.36	12	640	< 0.5	< 2	0.33	0.5	17	102	46	5.77	< 10	< 1	0.36	80	0.73	370
5000N 18850E	201 202	< 5	0.2	1.53	28	640	0.5	< 2	0.10	0.5	15	95	28	6.56	< 10	< 1	0.28	50	0.40	660
5000N 18900E	201 202	< 5	0.2	0.86	24	400	< 0.5	2	0.08	< 0.5	9	65	21	5.75	< 10	< 1	0.22	30	0.29	395
5000N 18950E	201 202	< 5	0.4	1.49	18	280	< 0.5	< 2	0.52	< 0.5	27	117	57	7.91	< 10	< 1	0.49	120	0.83	660
5000N 19000E	201 202	< 5	0.4	0.68	36	160	0.5	< 2	0.07	< 0.5	4	6	19	7.60	< 10	< 1	0.64	170	0.07	390
5000N 19050E	201 202	< 5	0.8	0.42	34	290	0.5	< 2	0.04	< 0.5	6	5	21	5.22	< 10	< 1	0.33	130	0.04	390
5000N 19150E	201 202	< 5	0.6	0.65	44	630	0.5	< 2	0.08	0.5	5	5	23	5.28	< 10	< 1	0.18	90	0.11	350
5000N 19200E	201 202	< 5	0.2	0.50	18	190	< 0.5	< 2	0.05	< 0.5	1	4	8	2.55	< 10	< 1	0.07	20	0.06	90
5000N 19300E	201 202	< 5	0.8	0.59	108	110	0.5	< 2	0.10	4.0	5	6	45	12.00	< 10	< 1	0.54	30	0.06	315
5000N 19350E	201 202	< 5	0.6	0.71	66	90	0.5	< 2	0.10	2.0	4	3	28	12.25	< 10	< 1	0.87	40	0.09	320
5000N 19400E	201 202	< 5	0.8	0.93	106	700	1.5	2	0.27	4.0	14	7	75	7.35	< 10	< 1	0.25	60	0.10	480
5000N 19450E	201 202	< 5	0.4	0.81	60	470	0.5	< 2	0.02	< 0.5	1	10	17	4.41	< 10	< 1	0.14	50	0.07	85
5000N 19500E	201 202	< 5	< 0.2	1.19	14	240	< 0.5	< 2	0.14	< 0.5	6	27	13	3.16	< 10	< 1	0.09	30	0.34	240
5000N 19550E	201 202	< 5	0.2	0.80	12	220	< 0.5	< 2	0.07	< 0.5	2	8	11	2.19	< 10	< 1	0.07	30	0.05	115
5000N 19600E	201 202	< 5	0.6	0.53	16	210	< 0.5	< 2	0.04	< 0.5	1	5	7	2.21	< 10	< 1	0.09	60	0.06	160
5000N 19650E	201 202	< 5	0.4	1.46	18	190	0.5	< 2	0.12	0.5	9	64	21	3.89	< 10	< 1	0.16	60	0.56	380
5000N 19750E	201 202	< 5	0.6	0.62	38	350	< 0.5	< 2	0.04	< 0.5	3	12	14	4.61	< 10	< 1	0.24	100	0.07	120

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Certificate Date: 30-SEP-1998
Invoice No. :I9831790
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831790

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
4600N 17450E	201 202	8	0.01	15	1020	18	< 2	< 1	30	< 0.01	< 10	< 10	34	< 10	98	1950
4600N 17500E	201 202	5	< 0.01	30	950	24	2	3	41	0.01	< 10	10	30	< 10	104	1910
4600N 17550E	201 202	12	0.01	50	1110	34	2	4	52	< 0.01	< 10	< 10	42	< 10	70	1900
4600N 17650E	201 202	6	0.05	68	870	36	< 2	4	45	< 0.01	< 10	< 10	23	< 10	84	2070
4600N 17700E	201 202	5	0.03	114	1290	56	< 2	9	60	0.03	< 10	< 10	51	< 10	118	1690
4600N 17750E	201 202	4	0.04	93	1300	34	< 2	6	57	0.03	< 10	< 10	36	< 10	96	1730
4600N 17800E	201 202	3	< 0.01	183	1290	4	< 2	13	25	0.26	< 10	< 10	118	< 10	110	1160
4600N 17850E	201 202	3	0.01	138	1600	6	< 2	13	30	0.03	< 10	< 10	80	< 10	108	1020
4600N 17950E	201 202	< 1	< 0.01	142	1260	2	< 2	12	26	0.02	< 10	< 10	80	< 10	78	900
4600N 18000E	201 202	1	< 0.01	100	1400	4	< 2	10	29	0.03	< 10	< 10	64	< 10	70	870
4600N 18050E	201 202	1	< 0.01	117	1520	2	< 2	8	44	0.01	< 10	< 10	48	< 10	86	1200
4600N 18100E	201 202	1	< 0.01	56	710	34	< 2	6	14	< 0.01	< 10	< 10	19	< 10	182	980
4600N 18150E	201 202	1	< 0.01	39	1110	22	< 2	4	7	< 0.01	< 10	< 10	25	< 10	144	960
4600N 18250E	201 202	1	< 0.01	43	810	14	< 2	5	13	0.02	< 10	< 10	30	< 10	100	950
4600N 18300E	201 202	2	< 0.01	71	440	18	< 2	8	19	< 0.01	< 10	< 10	21	< 10	180	1390
4600N 18350E	201 202	< 1	< 0.01	49	320	18	< 2	5	13	< 0.01	< 10	< 10	11	< 10	138	890
5000N 18450E	201 202	15	0.02	22	770	36	2	1	84	< 0.01	< 10	< 10	29	< 10	122	2370
5000N 18500E	201 202	19	0.02	23	1120	54	2	3	60	0.01	< 10	< 10	39	< 10	72	3030
5000N 18550E	201 202	8	0.02	31	1010	48	2	3	51	0.01	< 10	< 10	20	< 10	124	3740
5000N 18600E	201 202	10	0.02	27	1180	56	< 2	1	34	0.01	< 10	< 10	25	< 10	74	3000
5000N 18650E	201 202	9	0.01	50	880	54	2	3	41	0.06	< 10	< 10	39	< 10	68	2780
5000N 18675E	201 202	9	0.01	88	1070	50	< 2	8	47	0.10	< 10	< 10	51	< 10	96	2440
5000N 18700E	201 202	4	< 0.01	109	1050	24	< 2	9	36	0.13	< 10	< 10	53	< 10	78	1760
5000N 18750E	201 202	9	0.01	61	1230	44	< 2	4	85	0.06	< 10	< 10	37	< 10	96	5030
5000N 18850E	201 202	12	0.01	44	1510	56	< 2	2	49	0.05	< 10	< 10	56	< 10	102	2790
5000N 18900E	201 202	12	0.01	29	980	150	2	1	25	0.05	< 10	< 10	46	< 10	78	2970
5000N 18950E	201 202	8	0.01	90	1260	46	< 2	8	101	0.12	< 10	< 10	40	< 10	100	2300
5000N 19000E	201 202	24	0.01	10	1060	98	2	1	77	< 0.01	< 10	< 10	10	< 10	108	3380
5000N 19050E	201 202	22	0.01	12	810	74	4	1	61	< 0.01	< 10	< 10	19	< 10	112	4000
5000N 19150E	201 202	29	0.02	19	890	82	6	1	54	< 0.01	< 10	< 10	47	< 10	214	4170
5000N 19200E	201 202	15	0.05	9	600	30	2	< 1	18	0.01	< 10	< 10	34	< 10	66	1830
5000N 19300E	201 202	106	0.04	58	1230	176	22	2	137	< 0.01	< 10	< 10	125	< 10	468	1310
5000N 19350E	201 202	35	0.03	25	1550	148	10	1	88	< 0.01	< 10	< 10	66	< 10	280	930
5000N 19400E	201 202	45	0.01	68	3360	86	16	3	238	< 0.01	< 10	< 10	182	< 10	544	5910
5000N 19450E	201 202	71	< 0.01	18	1140	76	14	< 1	43	< 0.01	< 10	< 10	138	< 10	132	3470
5000N 19500E	201 202	8	< 0.01	19	570	26	2	1	22	0.06	< 10	< 10	50	< 10	104	1330
5000N 19550E	201 202	10	0.04	8	780	20	2	< 1	15	0.01	< 10	< 10	34	< 10	64	1520
5000N 19600E	201 202	9	0.03	6	440	40	< 2	< 1	25	< 0.01	< 10	< 10	21	< 10	38	2340
5000N 19650E	201 202	9	< 0.01	32	750	38	< 2	3	52	0.05	< 10	< 10	50	< 10	120	1560
5000N 19750E	201 202	18	< 0.01	10	830	58	6	< 1	60	0.01	< 10	< 10	23	< 10	62	1690

CERTIFICATION:

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Certificate Date: 30-SEP-1998
Invoice No. :I9831790
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831790

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
5000N 19800E	201 202	< 5	0.2	0.95	26	330	< 0.5	< 2	0.06	0.5	4	21	17	4.10	< 10	< 1	0.17	70	0.12	480
5000N 19850E	201 202	< 5	0.2	0.88	56	510	1.0	< 2	0.12	3.0	4	7	32	6.53	< 10	< 1	0.21	150	0.12	615
5000N 19900E	201 202	< 5	0.2	0.98	54	560	1.0	< 2	0.08	1.5	4	8	32	7.05	< 10	< 1	0.19	160	0.11	395
5000N 19950E	201 202	< 5	0.2	0.99	30	270	0.5	< 2	0.13	0.5	3	8	19	6.49	< 10	< 1	0.14	90	0.10	385
5000N 21550E	201 202	5	0.2	0.85	26	310	1.5	< 2	0.14	< 0.5	4	6	17	6.47	< 10	< 1	0.11	210	0.12	880
5000N 21600E	201 202	< 5	0.2	0.77	30	300	1.0	< 2	0.15	0.5	5	1	14	6.21	< 10	1	0.16	130	0.18	1650
5000N 21650E	201 202	< 5	0.2	0.99	20	390	1.5	< 2	0.14	< 0.5	5	1	14	5.69	< 10	< 1	0.10	140	0.29	1555
5000N 21700E	201 202	< 5	0.2	0.58	14	340	1.0	2	0.14	< 0.5	6	3	15	4.93	< 10	< 1	0.11	160	0.11	1315
5000N 21750E	201 202	< 5	0.2	0.47	20	680	1.0	< 2	0.11	< 0.5	5	1	13	5.52	< 10	< 1	0.10	200	0.08	1275
5000N 21850E	201 202	< 5	0.4	0.50	34	340	0.5	< 2	0.22	< 0.5	7	1	17	6.30	< 10	< 1	0.11	240	0.09	1620
5000N 21900E	201 202	< 5	0.2	1.10	2	190	2.0	< 2	2.08	< 0.5	3	< 1	6	3.62	< 10	< 1	0.10	60	0.22	1540
5000N 21900-1E	201 202	< 5	0.2	0.84	8	140	1.5	< 2	0.18	< 0.5	5	4	13	4.73	< 10	< 1	0.07	130	0.21	1480
5000N 21950E	201 202	< 5	< 0.2	0.69	2	330	1.5	< 2	0.35	< 0.5	3	3	8	4.87	< 10	1	0.07	270	0.09	1230
5000N 21950-1E	201 202	< 5	0.2	0.39	2	310	1.5	< 2	0.18	< 0.5	4	< 1	10	4.71	< 10	< 1	0.07	50	0.10	1960
5000N 22000E	201 202	< 5	0.2	0.83	4	180	1.5	< 2	0.31	< 0.5	4	< 1	7	4.03	< 10	< 1	0.06	80	0.20	1860
5000N 22050E	201 202	< 5	0.2	1.05	6	400	0.5	< 2	0.32	< 0.5	4	19	11	3.00	< 10	< 1	0.08	70	0.20	505
5000N 22100E	201 202	< 5	0.6	1.15	12	490	1.0	< 2	0.62	< 0.5	5	11	11	3.34	< 10	< 1	0.08	180	0.09	1455
5000N 22150E	201 202	< 5	< 0.2	1.05	10	300	0.5	< 2	0.10	0.5	6	21	13	3.04	< 10	< 1	0.07	110	0.20	560
5000N 22200E	201 202	< 5	0.2	1.05	6	450	2.0	< 2	1.03	0.5	5	15	12	4.61	< 10	< 1	0.08	130	0.17	2100
5000N 22250E	201 202	< 5	0.2	0.63	8	240	1.5	< 2	0.24	< 0.5	4	9	9	3.68	< 10	< 1	0.08	180	0.14	2140
5000N 22300E	201 202	< 5	< 0.2	0.72	28	240	1.0	< 2	0.13	0.5	4	5	19	6.64	< 10	< 1	0.15	220	0.08	1430
5000N 22350E	201 202	< 5	< 0.2	1.02	14	250	0.5	< 2	0.22	< 0.5	4	9	13	4.01	< 10	< 1	0.05	80	0.08	705
5000N 22400E	201 202	< 5	< 0.2	0.78	24	260	1.0	< 2	0.14	< 0.5	3	8	13	4.01	< 10	< 1	0.04	170	0.08	335
5000N 22450E	201 202	< 5	0.2	0.97	10	170	0.5	< 2	0.15	< 0.5	4	9	12	2.49	< 10	< 1	0.06	80	0.11	440
5000N 22550E	201 202	< 5	< 0.2	0.50	8	130	0.5	< 2	0.01	< 0.5	6	4	11	3.62	< 10	< 1	0.09	80	0.04	2300
5000N 22600E	201 202	< 5	< 0.2	1.07	10	110	0.5	< 2	0.03	< 0.5	5	13	12	3.71	< 10	< 1	0.08	70	0.12	1140
5000N 22650E	201 202	< 5	< 0.2	1.09	14	170	0.5	< 2	0.11	< 0.5	5	12	15	3.86	< 10	< 1	0.07	50	0.12	970
5000N 22700E	201 202	< 5	0.2	1.00	10	220	0.5	< 2	0.18	< 0.5	3	8	11	3.03	< 10	< 1	0.05	60	0.13	575
5000N 22750E	201 202	< 5	0.4	0.46	56	160	1.5	< 2	0.09	0.5	1	2	8	7.47	< 10	< 1	0.10	120	0.07	695
5000N 22850E	201 202	< 5	0.4	0.31	72	160	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	3	10.05	< 10	< 1	0.70	90	0.01	65
5000N 22900E	201 202	< 5	0.2	0.41	36	170	< 0.5	< 2	< 0.01	< 0.5	< 1	3	5	7.90	< 10	< 1	0.49	80	0.03	140
5000N 22950E	201 202	< 5	< 0.2	0.99	70	440	1.0	2	0.17	4.5	4	8	11	8.35	< 10	< 1	0.11	100	0.11	1185
5000N 23050E	201 202	< 5	< 0.2	0.76	16	250	0.5	< 2	0.26	0.5	3	7	9	4.36	< 10	< 1	0.08	120	0.13	1015
5000N 23100E	201 202	< 5	< 0.2	0.65	32	430	0.5	< 2	0.24	< 0.5	3	6	14	5.22	< 10	< 1	0.13	160	0.09	605
5000N 23150E	201 202	< 5	< 0.2	0.68	14	100	< 0.5	< 2	0.02	< 0.5	4	11	16	3.64	< 10	1	0.09	40	0.07	210
5000N 23200E	201 202	< 5	< 0.2	0.53	12	100	< 0.5	< 2	0.07	< 0.5	3	7	10	2.88	< 10	< 1	0.08	40	0.06	400
5000N 23250E	201 202	< 5	0.4	1.42	12	400	0.5	< 2	0.10	0.5	15	42	29	4.09	< 10	< 1	0.10	50	0.36	795
5000N 23300E	201 202	< 5	0.6	1.43	16	2300	1.0	< 2	0.31	3.0	18	47	42	4.46	< 10	< 1	0.12	70	0.38	1300
17400E 3650N	201 202	< 5	< 0.2	0.56	12	100	< 0.5	< 2	0.14	< 0.5	3	12	12	1.82	< 10	< 1	0.07	30	0.09	100
17400E 3700N	201 202	< 5	0.8	1.03	12	160	< 0.5	< 2	0.03	< 0.5	1	11	18	4.71	< 10	< 1	0.10	70	0.04	95

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SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
5000N 19800E	201	202	13	< 0.01	14	1040	46	2	< 1	39	0.02	< 10	< 10	39	< 10	116	1980
5000N 19850E	201	202	38	< 0.01	24	950	58	6	1	62	< 0.01	< 10	< 10	48	< 10	346	2870
5000N 19900E	201	202	31	< 0.01	18	900	70	4	1	54	0.01	< 10	< 10	41	< 10	304	2900
5000N 19950E	201	202	22	0.01	12	840	68	2	< 1	38	< 0.01	< 10	< 10	19	< 10	224	2410
5000N 21550E	201	202	13	0.01	9	810	92	< 2	1	14	< 0.01	< 10	< 10	8	< 10	174	2290
5000N 21600E	201	202	15	0.02	9	420	112	< 2	1	26	< 0.01	< 10	< 10	2	< 10	180	2430
5000N 21650E	201	202	15	0.01	10	350	78	< 2	1	22	< 0.01	< 10	< 10	1	< 10	170	2780
5000N 21700E	201	202	14	0.01	12	460	42	< 2	1	18	< 0.01	< 10	< 10	3	< 10	100	2360
5000N 21750E	201	202	17	0.01	9	460	70	< 2	1	22	< 0.01	< 10	< 10	2	< 10	96	3710
5000N 21850E	201	202	17	0.01	16	610	118	< 2	1	27	< 0.01	< 10	< 10	1	< 10	80	3040
5000N 21900E	201	202	5	< 0.01	1	440	< 2	< 2	< 1	16	< 0.01	< 10	< 10	< 1	< 10	40	1840
5000N 21900-1E	201	202	8	< 0.01	9	540	8	< 2	1	14	< 0.01	< 10	< 10	4	< 10	66	1630
5000N 21950E	201	202	6	< 0.01	6	810	6	< 2	1	14	< 0.01	< 10	< 10	5	< 10	58	1720
5000N 21950-1E	201	202	7	< 0.01	3	360	6	< 2	< 1	34	< 0.01	< 10	< 10	< 1	< 10	50	1570
5000N 22000E	201	202	5	< 0.01	3	530	4	< 2	< 1	12	< 0.01	< 10	< 10	< 1	< 10	60	2040
5000N 22050E	201	202	4	< 0.01	16	880	14	< 2	1	12	< 0.01	< 10	< 10	19	< 10	94	2370
5000N 22100E	201	202	15	< 0.01	12	2570	80	< 2	1	19	< 0.01	< 10	< 10	16	< 10	106	2130
5000N 22150E	201	202	5	< 0.01	21	510	18	< 2	1	11	0.01	< 10	< 10	23	< 10	126	2020
5000N 22200E	201	202	7	< 0.01	14	1310	22	< 2	2	15	< 0.01	< 10	< 10	19	< 10	134	2040
5000N 22250E	201	202	5	< 0.01	10	530	10	< 2	1	9	0.01	< 10	< 10	10	< 10	62	2350
5000N 22300E	201	202	14	0.01	7	520	90	< 2	1	18	< 0.01	< 10	< 10	7	< 10	174	2550
5000N 22350E	201	202	10	0.01	12	740	28	< 2	< 1	9	< 0.01	< 10	< 10	11	< 10	126	1650
5000N 22400E	201	202	21	0.01	9	680	86	< 2	1	10	< 0.01	< 10	< 10	13	< 10	104	1820
5000N 22450E	201	202	6	0.03	12	520	26	< 2	< 1	10	< 0.01	< 10	< 10	17	< 10	102	2190
5000N 22550E	201	202	5	< 0.01	7	540	18	< 2	< 1	4	< 0.01	< 10	< 10	9	< 10	62	1740
5000N 22600E	201	202	7	< 0.01	16	500	20	< 2	1	7	< 0.01	< 10	< 10	15	< 10	124	1640
5000N 22650E	201	202	9	0.01	14	650	30	< 2	< 1	13	< 0.01	< 10	< 10	21	< 10	148	1440
5000N 22700E	201	202	7	0.03	9	680	30	< 2	< 1	15	< 0.01	< 10	< 10	12	< 10	124	1480
5000N 22750E	201	202	7	0.01	5	410	122	< 2	1	16	< 0.01	< 10	< 10	3	< 10	510	1960
5000N 22850E	201	202	19	0.01	< 1	730	484	2	< 1	42	< 0.01	< 10	< 10	3	< 10	318	1680
5000N 22900E	201	202	8	< 0.01	2	590	184	< 2	< 1	20	< 0.01	< 10	< 10	5	< 10	208	1660
5000N 22950E	201	202	10	< 0.01	12	640	180	< 2	1	14	< 0.01	< 10	< 10	7	< 10	1730	2320
5000N 23050E	201	202	9	< 0.01	9	560	42	< 2	1	12	< 0.01	< 10	< 10	7	< 10	300	1800
5000N 23100E	201	202	11	< 0.01	10	680	118	< 2	1	23	< 0.01	< 10	< 10	7	< 10	344	2150
5000N 23150E	201	202	6	0.01	12	580	32	< 2	< 1	12	< 0.01	< 10	< 10	21	< 10	122	1440
5000N 23200E	201	202	8	0.02	7	920	22	< 2	< 1	8	< 0.01	< 10	< 10	19	< 10	82	1170
5000N 23250E	201	202	4	< 0.01	50	710	18	< 2	1	11	< 0.01	< 10	< 10	30	< 10	222	3080
5000N 23300E	201	202	6	< 0.01	67	900	22	< 2	9	32	0.01	< 10	< 10	31	< 10	310	6650
17400E 3650N	201	202	4	< 0.01	14	450	20	< 2	< 1	15	0.03	< 10	< 10	31	< 10	74	1520
17400E 3700N	201	202	9	0.03	4	1010	18	< 2	< 1	17	< 0.01	< 10	< 10	16	< 10	22	1090

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Certificate Date: 30-SEP-1998
Invoice No. : I9831790
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831790

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
17400E 3750N	201 202	< 5	0.6	0.46	14	270	< 0.5	< 2	0.02	< 0.5	1	6	9	2.67	< 10	< 1	0.14	60	0.01	50
17400E 3800N	201 202	< 5	0.2	0.90	56	320	0.5	< 2	0.29	0.5	3	9	21	4.49	10	< 1	0.34	410	0.07	1085
17400E 3850N	201 202	< 5	1.4	0.61	16	350	< 0.5	< 2	0.03	< 0.5	1	4	8	3.53	< 10	< 1	0.29	120	0.03	80
17400E 3900N	201 202	< 5	< 0.2	0.41	20	190	< 0.5	< 2	0.01	< 0.5	< 1	3	6	4.25	< 10	< 1	0.51	80	0.03	85
17400E 3950N	201 202	< 5	0.2	0.97	20	480	< 0.5	< 2	0.62	< 0.5	4	11	14	2.99	< 10	< 1	0.26	100	0.12	135
17400E 4000N	201 202	< 5	< 0.2	1.22	10	440	< 0.5	< 2	0.80	< 0.5	7	28	14	2.51	< 10	< 1	0.10	40	0.39	245
17400E 4050N	201 202	< 5	0.4	1.01	12	450	0.5	< 2	1.05	0.5	11	32	26	3.18	< 10	< 1	0.13	50	0.50	465
17400E 4100N	201 202	< 5	0.2	0.82	8	470	0.5	< 2	2.36	< 0.5	9	29	25	2.55	< 10	< 1	0.14	30	0.45	415
17400E 4150N	201 202	< 5	0.2	1.60	8	270	0.5	< 2	1.16	0.5	21	65	42	4.58	< 10	< 1	0.20	40	1.14	700
17400E 4200N	201 202	< 5	0.4	1.03	18	300	0.5	< 2	0.77	0.5	21	27	37	4.46	< 10	< 1	0.19	90	0.35	360
17400E 4250N	201 202	< 5	0.2	0.80	10	390	< 0.5	< 2	1.55	0.5	24	20	39	5.28	< 10	1	0.24	70	0.23	510
17400E 4300N	201 202	< 5	< 0.2	1.20	12	480	0.5	< 2	0.77	< 0.5	26	31	40	5.58	< 10	< 1	0.30	80	0.36	540
17400E 4350N	201 202	< 5	0.2	0.84	12	500	< 0.5	< 2	0.52	< 0.5	12	15	24	4.11	< 10	< 1	0.24	80	0.21	260
17400E 4400N	201 202	< 5	0.4	0.55	36	410	< 0.5	< 2	0.91	< 0.5	7	11	16	4.18	< 10	< 1	0.21	90	0.12	130
17400E 4450N	201 202	< 5	0.2	0.81	18	420	0.5	< 2	0.54	0.5	5	8	17	3.45	< 10	< 1	0.12	80	0.09	190
17400E 4500N	201 202	< 5	0.2	0.86	10	260	0.5	< 2	0.65	0.5	6	13	18	2.91	< 10	< 1	0.10	50	0.17	140
17400E 4550N	201 202	< 5	0.2	1.13	10	520	0.5	< 2	0.29	0.5	8	20	21	3.08	< 10	< 1	0.10	60	0.24	285
17400E 4600N	201 202	< 5	0.6	0.99	30	260	0.5	< 2	0.09	0.5	6	16	37	4.06	< 10	< 1	0.10	40	0.20	125
17400E 4650N	201 202	< 5	0.6	1.04	16	290	0.5	< 2	0.21	0.5	8	16	42	3.72	< 10	< 1	0.10	40	0.25	140
17400E 4700N	201 202	< 5	0.2	1.21	14	190	< 0.5	< 2	0.06	< 0.5	7	16	30	3.00	< 10	< 1	0.10	30	0.21	235
17400E 4750N	201 202	< 5	0.8	0.82	4	660	0.5	< 2	0.74	3.0	8	13	44	1.82	< 10	< 1	0.09	60	0.13	140
17400E 4800N	201 202	< 5	0.6	0.50	6	110	< 0.5	< 2	0.05	< 0.5	4	12	13	1.66	< 10	< 1	0.07	10	0.09	160
17400E 4850N	201 202	< 5	< 0.2	0.76	26	180	< 0.5	< 2	0.14	0.5	7	15	15	2.68	< 10	< 1	0.13	10	0.14	345
17400E 4900N	201 202	< 5	< 0.2	1.09	16	280	0.5	< 2	0.16	< 0.5	9	27	19	3.05	< 10	< 1	0.11	40	0.33	310
17400E 4950N	201 202	< 5	< 0.2	0.67	12	120	< 0.5	< 2	0.04	< 0.5	3	4	7	1.14	< 10	< 1	0.08	10	0.02	135
17400E 5000N	201 202	< 5	< 0.2	1.21	12	310	0.5	< 2	0.12	< 0.5	7	20	14	2.53	< 10	< 1	0.10	40	0.21	335
17600E 3600N	201 202	< 5	< 0.2	0.31	14	80	< 0.5	< 2	0.07	< 0.5	2	5	7	1.27	< 10	< 1	0.06	30	0.04	60
17600E 3650N	201 202	< 5	< 0.2	0.36	6	70	< 0.5	< 2	0.02	< 0.5	1	7	7	1.09	< 10	< 1	0.05	30	0.02	45
17600E 3700N	201 202	< 5	< 0.2	0.66	26	230	< 0.5	< 2	0.03	< 0.5	6	7	17	6.59	< 10	< 1	0.47	110	0.06	225
17600E 3750N	201 202	< 5	0.4	0.87	32	120	< 0.5	< 2	0.11	< 0.5	7	40	21	7.41	< 10	< 1	0.83	170	0.35	235
17600E 3800N	201 202	< 5	< 0.2	1.03	14	470	< 0.5	< 2	0.06	< 0.5	7	27	15	3.85	< 10	< 1	0.21	70	0.34	325
17600E 3850N	201 202	< 5	< 0.2	0.99	22	540	< 0.5	< 2	0.06	< 0.5	3	22	13	7.68	< 10	< 1	0.29	80	0.17	90
17600E 3900N	201 202	< 5	< 0.2	1.52	8	320	0.5	2	0.62	1.5	21	35	37	3.79	< 10	< 1	0.13	60	0.47	615
17600E 3950N	201 202	< 5	< 0.2	1.25	14	340	0.5	< 2	0.57	0.5	10	12	28	5.40	< 10	< 1	0.21	110	0.29	285
17600E 4000N	201 202	< 5	< 0.2	2.78	6	230	0.5	< 2	1.78	0.5	49	115	76	4.76	< 10	< 1	0.10	40	1.91	1600
17600E 4050N	201 202	< 5	< 0.2	3.83	2	220	0.5	< 2	1.61	< 0.5	54	74	154	5.98	10	< 1	0.08	70	2.52	1885
17600E 4100N	201 202	< 5	< 0.2	2.55	2	250	0.5	< 2	1.98	< 0.5	27	91	51	3.63	< 10	< 1	0.09	30	1.30	1380
17600E 4150N	201 202	< 5	< 0.2	2.29	2	230	0.5	2	2.88	< 0.5	31	101	53	3.95	< 10	< 1	0.17	30	1.41	1085
17600E 4200N	201 202	< 5	< 0.2	1.79	6	180	0.5	< 2	1.97	< 0.5	32	63	48	3.27	< 10	< 1	0.11	40	1.00	775
17600E 4250N	201 202	< 5	< 0.2	2.60	6	240	0.5	< 2	1.18	< 0.5	37	88	54	4.12	< 10	< 1	0.11	40	1.39	1420

CERTIFICATION: Stewart Buchan

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Certificate Date: 30-SEP-1998
Invoice No. : I9831790
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831790

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
17400E 3750N	201 202	21	0.01	4	670	24	< 2	< 1	31	< 0.01	< 10	< 10	21	< 10	30	1680
17400E 3800N	201 202	35	0.01	11	2610	40	< 2	< 1	343	< 0.01	< 10	< 10	36	< 10	106	2220
17400E 3850N	201 202	13	0.01	5	740	42	< 2	< 1	29	< 0.01	< 10	< 10	8	< 10	30	2530
17400E 3900N	201 202	22	0.01	1	480	68	< 2	< 1	33	< 0.01	< 10	< 10	9	< 10	22	2660
17400E 3950N	201 202	16	0.03	13	1000	44	< 2	1	262	< 0.01	< 10	< 10	28	< 10	72	1980
17400E 4000N	201 202	6	< 0.01	25	720	38	< 2	3	61	0.01	< 10	< 10	38	< 10	94	2340
17400E 4050N	201 202	6	0.01	36	640	80	< 2	3	62	0.01	< 10	< 10	31	< 10	94	2210
17400E 4100N	201 202	8	0.03	31	1240	26	< 2	2	86	< 0.01	< 10	< 10	29	< 10	40	1230
17400E 4150N	201 202	6	0.01	62	940	18	< 2	7	85	< 0.01	< 10	< 10	46	< 10	100	1490
17400E 4200N	201 202	9	0.03	58	1180	28	< 2	4	127	< 0.01	< 10	< 10	42	< 10	114	1880
17400E 4250N	201 202	7	0.03	59	950	50	2	4	74	< 0.01	< 10	< 10	15	< 10	86	1870
17400E 4300N	201 202	6	0.03	74	910	38	< 2	6	60	< 0.01	< 10	< 10	20	< 10	72	1870
17400E 4350N	201 202	10	0.03	36	840	36	< 2	3	64	< 0.01	< 10	< 10	14	< 10	68	2200
17400E 4400N	201 202	15	0.01	24	1180	56	< 2	2	135	< 0.01	< 10	< 10	46	< 10	94	1960
17400E 4450N	201 202	11	0.01	19	1090	42	2	1	70	< 0.01	< 10	10	36	< 10	144	2070
17400E 4500N	201 202	6	< 0.01	24	860	28	< 2	3	39	< 0.01	< 10	< 10	27	< 10	130	2050
17400E 4550N	201 202	6	< 0.01	31	1140	28	< 2	3	37	< 0.01	< 10	< 10	30	< 10	128	2010
17400E 4600N	201 202	12	0.01	34	1260	28	< 2	1	65	< 0.01	< 10	< 10	64	< 10	226	1930
17400E 4650N	201 202	10	0.01	42	1200	22	< 2	2	77	< 0.01	< 10	< 10	47	< 10	266	2220
17400E 4700N	201 202	8	0.01	27	1170	24	< 2	1	67	< 0.01	< 10	< 10	45	< 10	118	1850
17400E 4750N	201 202	4	0.01	34	1710	14	< 2	3	58	< 0.01	< 10	< 10	24	< 10	96	1510
17400E 4800N	201 202	4	0.03	11	630	14	< 2	< 1	22	0.01	< 10	< 10	29	< 10	54	1450
17400E 4850N	201 202	5	< 0.01	17	1020	44	< 2	< 1	31	< 0.01	< 10	< 10	28	< 10	76	1640
17400E 4900N	201 202	8	0.01	30	860	36	< 2	1	47	0.01	< 10	< 10	38	< 10	100	1960
17400E 4950N	201 202	2	< 0.01	8	1240	30	< 2	< 1	14	< 0.01	< 10	< 10	10	< 10	66	1620
17400E 5000N	201 202	6	< 0.01	25	1300	38	< 2	1	83	< 0.01	< 10	< 10	32	< 10	120	2200
17600E 3600N	201 202	4	< 0.01	9	460	26	< 2	< 1	23	0.01	< 10	< 10	20	< 10	80	1190
17600E 3650N	201 202	4	< 0.01	6	260	10	< 2	< 1	10	0.01	< 10	< 10	21	< 10	50	1130
17600E 3700N	201 202	13	0.04	10	890	36	< 2	< 1	97	< 0.01	< 10	< 10	13	< 10	32	2030
17600E 3750N	201 202	19	0.01	22	1500	74	< 2	3	117	0.05	< 10	< 10	31	< 10	32	1830
17600E 3800N	201 202	12	0.01	18	680	48	< 2	1	33	0.01	< 10	< 10	22	< 10	52	3010
17600E 3850N	201 202	27	0.01	10	990	92	< 2	1	30	0.03	< 10	< 10	24	< 10	32	2680
17600E 3900N	201 202	7	0.01	52	910	20	< 2	4	55	< 0.01	< 10	< 10	25	< 10	210	1940
17600E 3950N	201 202	9	0.05	27	950	34	< 2	3	108	< 0.01	< 10	< 10	10	< 10	126	1880
17600E 4000N	201 202	2	< 0.01	90	910	2	< 2	11	38	0.14	< 10	< 10	86	< 10	72	1080
17600E 4050N	201 202	2	< 0.01	114	780	2	< 2	13	50	0.21	< 10	< 10	105	< 10	106	970
17600E 4100N	201 202	1	< 0.01	73	1890	4	< 2	6	56	0.06	< 10	< 10	77	< 10	64	800
17600E 4150N	201 202	2	< 0.01	83	960	6	< 2	7	64	0.11	< 10	< 10	70	< 10	66	1110
17600E 4200N	201 202	1	< 0.01	76	400	6	< 2	7	48	0.13	< 10	< 10	62	< 10	60	1020
17600E 4250N	201 202	1	< 0.01	71	820	2	< 2	9	38	0.16	< 10	< 10	83	< 10	66	930

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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CERTIFICATE OF ANALYSIS A9831790

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
17600E 4300N	201 202	< 5	< 0.2	1.40	2	410	< 0.5	< 2	2.71	0.5	27	37	50	2.84	< 10	< 1	0.09	40	0.41	2700
17600E 4350N	201 202	< 5	< 0.2	1.91	4	240	0.5	< 2	1.43	0.5	23	82	40	3.27	< 10	< 1	0.08	10	0.77	975
17600E 4400N	201 202	< 5	< 0.2	1.52	4	220	0.5	< 2	2.82	< 0.5	31	41	53	3.91	< 10	< 1	0.21	40	0.45	1190
17600E 4450N	201 202	< 5	< 0.2	1.47	4	250	0.5	2	1.58	0.5	29	39	69	5.37	< 10	< 1	0.26	40	0.47	1095
17600E 4500N	201 202	< 5	< 0.2	0.52	10	360	< 0.5	< 2	0.59	< 0.5	8	13	20	3.74	< 10	< 1	0.24	90	0.14	140
17600E 4550N	201 202	< 5	0.6	0.52	24	210	< 0.5	< 2	0.47	< 0.5	7	12	18	2.85	< 10	< 1	0.14	70	0.13	140
17600E 4600N	201 202	< 5	1.2	2.34	36	470	2.0	< 2	0.19	2.5	18	14	114	7.04	< 10	< 1	0.12	70	0.22	235
17600E 4650N	201 202	< 5	< 0.2	1.32	10	360	0.5	< 2	0.79	1.0	22	27	60	5.11	< 10	< 1	0.15	60	0.36	405
17600E 4700N	201 202	< 5	0.6	1.18	12	360	0.5	< 2	0.33	0.5	15	25	57	4.38	< 10	< 1	0.11	40	0.42	200
17600E 4750N	201 202	< 5	0.2	0.81	16	570	0.5	< 2	0.74	< 0.5	7	15	25	2.91	< 10	< 1	0.12	100	0.14	205
17600E 4800N	201 202	< 5	< 0.2	0.89	12	220	0.5	< 2	0.25	< 0.5	13	24	13	2.81	< 10	< 1	0.08	40	0.27	270
17600E 4850N	201 202	< 5	< 0.2	0.82	6	150	0.5	< 2	0.35	< 0.5	9	19	11	2.25	< 10	< 1	0.08	60	0.20	255
17600E 4900N	201 202	< 5	< 0.2	1.24	48	240	0.5	< 2	0.13	0.5	16	37	27	3.93	< 10	< 1	0.15	60	0.36	380
17600E 4950N	201 202	< 5	< 0.2	1.18	12	180	0.5	< 2	0.24	0.5	7	19	10	2.42	< 10	< 1	0.08	20	0.21	255
17600E 5000N	201 202	< 5	< 0.2	1.15	18	340	0.5	< 2	0.53	< 0.5	9	27	16	3.09	< 10	< 1	0.14	60	0.26	265
17900E 3800N	201 202	< 5	< 0.2	2.13	6	250	0.5	< 2	0.73	< 0.5	19	118	43	3.71	< 10	< 1	0.17	40	1.29	1115
17900E 3850N	201 202	< 5	< 0.2	1.26	2	170	< 0.5	< 2	0.48	< 0.5	10	79	16	2.37	< 10	< 1	0.10	10	0.53	535
17900E 3900N	201 202	< 5	< 0.2	2.83	2	330	0.5	< 2	0.59	< 0.5	33	168	36	5.63	< 10	< 1	0.14	30	1.53	2030
17900E 3950N	201 202	< 5	< 0.2	2.50	2	460	0.5	< 2	0.79	< 0.5	22	154	41	4.09	< 10	< 1	0.14	40	1.57	835
17900E 4000N	201 202	< 5	< 0.2	3.08	2	220	0.5	< 2	0.86	< 0.5	41	199	76	4.87	< 10	< 1	0.14	50	2.46	555
17900E 4050N	201 202	< 5	< 0.2	3.30	6	230	0.5	< 2	0.74	0.5	59	308	88	6.30	< 10	< 1	0.30	40	2.52	1500
17900E 4100N	201 202	< 5	< 0.2	2.64	< 2	360	0.5	2	0.89	< 0.5	37	193	86	4.96	< 10	< 1	0.24	30	1.91	720
17900E 4150N	201 202	< 5	< 0.2	2.17	6	370	0.5	< 2	0.86	< 0.5	32	194	66	5.72	< 10	< 1	0.30	50	1.41	585
17900E 4200N	201 202	< 5	< 0.2	2.51	< 2	320	0.5	< 2	0.67	< 0.5	25	243	49	3.86	< 10	< 1	0.19	20	2.10	275
17900E 4250N	201 202	< 5	< 0.2	1.04	10	370	0.5	< 2	0.46	0.5	11	56	27	4.58	< 10	< 1	0.15	140	0.47	465
17900E 4300N	201 202	< 5	< 0.2	1.14	6	400	0.5	< 2	1.33	< 0.5	11	40	24	3.32	< 10	< 1	0.14	70	0.48	430
17900E 4350N	201 202	< 5	< 0.2	2.27	2	240	0.5	< 2	0.90	0.5	21	63	37	4.02	< 10	< 1	0.33	40	0.95	395
17900E 4400N	201 202	< 5	< 0.2	1.71	2	230	0.5	< 2	0.93	< 0.5	22	55	41	4.58	< 10	< 1	0.41	30	0.73	490
17900E 4450N	201 202	< 5	< 0.2	2.10	6	170	0.5	< 2	0.92	< 0.5	22	63	39	4.02	< 10	< 1	0.33	30	1.05	480
17900E 4500N	201 202	< 5	< 0.2	2.03	2	210	0.5	< 2	1.37	< 0.5	28	55	57	4.36	< 10	< 1	0.39	30	0.90	535
17900E 4550N	201 202	< 5	< 0.2	2.08	< 2	150	0.5	< 2	1.67	< 0.5	50	63	50	4.17	< 10	< 1	0.22	30	1.24	790
17900E 4600N	201 202	< 5	< 0.2	2.15	6	380	0.5	< 2	1.32	< 0.5	51	81	59	6.43	< 10	< 1	0.17	60	0.95	2900
17900E 4650N	201 202	< 5	< 0.2	1.01	12	190	< 0.5	2	0.45	0.5	41	48	76	9.32	< 10	< 1	0.59	30	0.36	960
17900E 4700N	201 202	< 5	< 0.2	1.52	14	280	0.5	< 2	0.66	0.5	45	47	84	7.50	< 10	< 1	0.35	70	0.65	985
17900E 4750N	201 202	< 5	0.2	1.30	30	390	< 0.5	< 2	0.44	1.5	37	33	50	6.51	< 10	< 1	0.34	90	0.49	680
17900E 4800N	201 202	< 5	< 0.2	1.64	18	400	0.5	< 2	0.79	< 0.5	47	42	66	6.96	< 10	< 1	0.26	70	0.53	940
17900E 4850N	201 202	< 5	< 0.2	1.73	18	350	0.5	< 2	1.17	0.5	47	47	69	6.56	< 10	< 1	0.22	60	0.43	1070
17900E 4900N	201 202	< 5	< 0.2	1.43	30	300	< 0.5	2	0.08	< 0.5	9	31	19	4.93	< 10	< 1	0.16	40	0.17	125
17900E 4950N	201 202	< 5	< 0.2	0.93	26	210	0.5	< 2	0.09	< 0.5	7	13	17	3.82	< 10	< 1	0.10	40	0.08	260
17900E 5000N	201 202	< 5	< 0.2	1.35	20	290	< 0.5	2	0.05	< 0.5	6	27	16	4.80	< 10	< 1	0.17	50	0.36	170

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Certificate Date: 30-SEP-1998
Invoice No. : I9831790
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831790

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
17600E 4300N	201 202	2	< 0.01	43	2110	2	< 2	5	64	0.01	< 10	< 10	44	< 10	40	680
17600E 4350N	201 202	2	< 0.01	61	2310	6	< 2	6	28	0.01	< 10	< 10	70	< 10	68	720
17600E 4400N	201 202	1	< 0.01	74	1770	2	< 2	8	57	0.03	< 10	< 10	37	< 10	70	490
17600E 4450N	201 202	3	< 0.01	64	1570	8	< 2	12	38	< 0.01	< 10	< 10	35	< 10	102	1040
17600E 4500N	201 202	11	0.03	21	820	50	< 2	3	62	< 0.01	< 10	< 10	11	< 10	40	1920
17600E 4550N	201 202	20	0.01	24	570	40	10	2	36	< 0.01	< 10	< 10	46	< 10	50	2090
17600E 4600N	201 202	11	0.01	94	2540	52	6	8	78	< 0.01	< 10	10	62	< 10	488	1980
17600E 4650N	201 202	5	0.01	73	1330	24	< 2	7	60	< 0.01	< 10	< 10	37	< 10	196	2380
17600E 4700N	201 202	6	< 0.01	61	1180	26	2	5	83	< 0.01	< 10	< 10	42	< 10	236	2810
17600E 4750N	201 202	16	0.01	23	1250	30	< 2	1	111	< 0.01	< 10	< 10	40	< 10	86	2280
17600E 4800N	201 202	1	< 0.01	26	1120	28	< 2	3	22	0.01	< 10	< 10	23	< 10	60	1490
17600E 4850N	201 202	1	< 0.01	23	1190	22	< 2	3	19	0.01	< 10	< 10	19	< 10	66	1080
17600E 4900N	201 202	23	0.03	46	1230	50	< 2	2	60	0.03	< 10	< 10	46	< 10	132	1480
17600E 4950N	201 202	2	< 0.01	19	1070	28	< 2	1	20	< 0.01	< 10	< 10	24	< 10	66	1330
17600E 5000N	201 202	5	< 0.01	28	1210	30	< 2	2	82	0.01	< 10	< 10	52	< 10	108	1830
17900E 3800N	201 202	< 1	< 0.01	66	1480	6	< 2	12	31	0.10	< 10	< 10	74	< 10	66	1130
17900E 3850N	201 202	1	0.04	27	910	6	< 2	1	15	0.05	< 10	< 10	65	< 10	42	990
17900E 3900N	201 202	2	< 0.01	80	1790	14	< 2	3	17	0.07	< 10	< 10	110	< 10	88	1090
17900E 3950N	201 202	1	< 0.01	75	1330	2	< 2	10	27	0.12	< 10	< 10	89	< 10	74	1410
17900E 4000N	201 202	1	< 0.01	130	1240	< 2	< 2	14	26	0.19	< 10	< 10	108	< 10	88	1070
17900E 4050N	201 202	1	< 0.01	183	1440	< 2	< 2	18	17	0.09	< 10	< 10	105	< 10	92	770
17900E 4100N	201 202	< 1	< 0.01	123	1580	2	< 2	13	21	0.09	< 10	< 10	79	< 10	92	870
17900E 4150N	201 202	1	< 0.01	124	1370	2	< 2	15	24	0.06	< 10	< 10	62	< 10	74	1010
17900E 4200N	201 202	1	0.01	109	1280	2	< 2	11	24	0.12	< 10	< 10	74	< 10	68	830
17900E 4250N	201 202	10	0.01	38	870	32	< 2	4	39	0.04	< 10	< 10	27	< 10	138	2170
17900E 4300N	201 202	6	0.01	34	1130	16	< 2	3	48	0.03	< 10	< 10	25	< 10	56	1600
17900E 4350N	201 202	1	0.01	60	1430	2	< 2	9	28	0.03	< 10	< 10	49	< 10	78	960
17900E 4400N	201 202	1	0.01	57	1770	2	< 2	7	40	0.01	< 10	< 10	40	< 10	82	960
17900E 4450N	201 202	1	< 0.01	63	1160	2	< 2	9	26	0.04	< 10	< 10	51	< 10	64	880
17900E 4500N	201 202	< 1	< 0.01	61	1390	< 2	< 2	8	40	0.01	< 10	< 10	50	< 10	54	820
17900E 4550N	201 202	1	< 0.01	87	1250	2	< 2	8	27	0.03	< 10	< 10	53	< 10	68	880
17900E 4600N	201 202	1	< 0.01	136	2080	< 2	< 2	21	44	< 0.01	< 10	< 10	52	< 10	90	1280
17900E 4650N	201 202	1	0.08	107	2230	< 2	< 2	6	84	0.04	< 10	< 10	26	< 10	176	1110
17900E 4700N	201 202	8	0.05	111	1310	20	< 2	6	86	0.04	< 10	< 10	50	< 10	120	1900
17900E 4750N	201 202	25	0.09	94	1240	56	4	4	103	0.01	< 10	< 10	76	< 10	194	1720
17900E 4800N	201 202	9	0.05	106	1280	52	< 2	6	57	0.03	< 10	< 10	47	< 10	78	1560
17900E 4850N	201 202	3	0.03	122	1640	8	< 2	8	56	0.01	< 10	< 10	38	< 10	94	1110
17900E 4900N	201 202	9	< 0.01	25	1610	36	2	< 1	27	0.01	< 10	< 10	79	< 10	84	1500
17900E 4950N	201 202	6	< 0.01	20	1540	38	< 2	< 1	36	< 0.01	< 10	< 10	43	< 10	92	2170
17900E 5000N	201 202	6	0.04	20	1720	50	< 2	< 1	98	< 0.01	< 10	< 10	57	< 10	52	1890

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Page Number :5-A
Total Pages :5
Certificate Date: 30-SEP-1998
Invoice No. :I9831790
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831790

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
18200E 3600N	201	202	< 5	< 0.2	2.21	16	260	0.5	< 2	0.15	< 0.5	11	27	28	4.73	< 10	1	0.12	120	0.67	595
18200E 3650N	201	202	< 5	< 0.2	1.34	18	340	< 0.5	< 2	0.21	0.5	13	64	21	3.93	< 10	1	0.13	30	0.56	420
18200E 3700N	201	202	< 5	< 0.2	2.52	6	190	0.5	< 2	0.43	< 0.5	31	145	43	5.38	< 10	< 1	0.13	30	1.43	775
18200E 3750N	201	202	< 5	< 0.2	1.55	6	170	< 0.5	< 2	0.15	< 0.5	13	88	22	3.54	< 10	1	0.10	10	0.64	435
18200E 3800N	201	202	< 5	< 0.2	2.64	22	1220	1.0	< 2	0.83	< 0.5	25	171	55	5.12	< 10	< 1	0.16	40	1.73	605
18200E 3850N	201	202	< 5	< 0.2	2.61	< 2	850	0.5	< 2	1.06	< 0.5	21	166	48	4.34	< 10	< 1	0.16	30	1.61	410
18200E 3900N	201	202	< 5	< 0.2	1.90	20	280	0.5	< 2	0.86	< 0.5	20	109	40	3.37	< 10	< 1	0.13	30	1.38	835
18200E 3950N	201	202	< 5	< 0.2	2.74	8	260	0.5	< 2	1.52	< 0.5	26	176	57	4.41	< 10	< 1	0.17	30	1.85	1795
18200E 4000N	201	202	< 5	< 0.2	2.51	10	220	0.5	< 2	1.33	< 0.5	23	148	59	3.78	< 10	< 1	0.18	30	1.73	1055
18200E 4050N	201	202	< 5	< 0.2	3.75	10	410	0.5	< 2	1.60	< 0.5	40	249	104	5.34	< 10	1	0.37	30	3.00	1170
18200E 4100N	201	202	< 5	< 0.2	2.36	6	330	< 0.5	< 2	1.02	< 0.5	36	144	128	4.71	< 10	< 1	0.17	30	1.49	1170
18200E 4150N	201	202	< 5	< 0.2	1.96	< 2	690	0.5	< 2	1.23	< 0.5	31	135	112	4.93	< 10	< 1	0.18	10	1.01	1265
18200E 4200N	201	202	< 5	< 0.2	2.50	12	420	0.5	< 2	0.85	< 0.5	37	251	150	4.24	< 10	< 1	0.14	10	2.42	695
18200E 4250N	201	202	< 5	< 0.2	3.39	< 2	330	0.5	< 2	1.00	< 0.5	43	383	93	5.39	< 10	< 1	0.25	10	3.28	855
18200E 4300N	201	202	< 5	< 0.2	2.66	6	380	0.5	< 2	0.67	< 0.5	33	299	71	6.34	< 10	< 1	0.42	30	1.91	685
18200E 4350N	201	202	< 5	< 0.2	2.02	14	510	0.5	< 2	0.54	< 0.5	30	192	62	6.37	< 10	< 1	0.40	30	1.19	505
18200E 4400N	201	202	< 5	< 0.2	1.93	30	450	0.5	< 2	0.69	1.5	41	108	83	5.58	< 10	1	0.27	40	0.73	785
18200E 4450N	201	202	< 5	0.2	1.86	14	330	0.5	< 2	0.43	1.5	40	95	92	5.20	< 10	< 1	0.34	30	0.85	890
18200E 4500N	201	202	< 5	2.0	0.78	28	440	< 0.5	< 2	0.09	< 0.5	6	29	59	5.00	< 10	< 1	0.20	10	0.22	175
18200E 4550N	201	202	< 5	< 0.2	1.89	12	170	0.5	< 2	0.12	< 0.5	25	122	44	4.67	< 10	< 1	0.21	10	1.00	900
18200E 4600N	201	202	< 5	< 0.2	1.05	8	190	< 0.5	< 2	0.10	< 0.5	18	29	33	2.83	< 10	< 1	0.11	10	0.37	700
18200E 4650N	201	202	< 5	< 0.2	1.31	10	230	< 0.5	< 2	0.11	< 0.5	27	28	34	3.44	< 10	1	0.13	10	0.36	865
18200E 4700N	201	202	< 5	< 0.2	1.27	12	230	0.5	< 2	0.09	< 0.5	19	19	49	2.89	< 10	< 1	0.11	< 10	0.47	670
18200E 4750N	201	202	< 5	< 0.2	1.10	14	340	0.5	< 2	0.18	< 0.5	26	17	41	2.73	< 10	< 1	0.14	10	0.32	1825
18200E 4800N	201	202	< 5	< 0.2	0.79	10	280	< 0.5	< 2	0.20	< 0.5	10	21	27	2.08	< 10	1	0.13	< 10	0.13	605
18200E 4850N	201	202	< 5	< 0.2	1.09	< 2	340	< 0.5	< 2	0.16	< 0.5	14	24	27	2.62	< 10	1	0.07	10	0.35	660
18200E 4900N	201	202	< 5	< 0.2	3.91	< 2	320	0.5	< 2	0.69	< 0.5	52	115	108	5.94	< 10	< 1	0.19	30	2.33	1740
18200E 4950N	201	202	< 5	< 0.2	2.21	12	230	0.5	< 2	0.62	< 0.5	109	80	117	8.81	< 10	1	0.27	20	0.98	1990
18200E 5000N	201	202	< 5	< 0.2	2.26	8	260	0.5	< 2	0.75	< 0.5	62	74	147	9.24	< 10	1	0.20	30	1.02	1215
18400E 4600N	201	202	< 5	< 0.2	1.39	8	780	0.5	< 2	0.26	< 0.5	38	26	64	3.46	< 10	< 1	0.13	10	0.74	1010
18400E 4650N	201	202	< 5	0.4	1.32	8	290	0.5	< 2	0.11	< 0.5	15	45	43	3.44	< 10	< 1	0.16	10	0.32	570
18400E 4700N	201	202	< 5	1.6	1.11	24	860	< 0.5	< 2	0.02	< 0.5	1	15	30	3.08	< 10	< 1	0.44	40	0.16	20
18400E 4750N	201	202	< 5	2.0	0.87	20	380	< 0.5	< 2	< 0.01	< 0.5	< 1	21	47	2.41	< 10	< 1	0.18	< 10	0.13	15
18400E 4800N	201	202	< 5	1.0	2.00	24	530	2.5	< 2	0.26	0.5	47	23	96	10.50	< 10	< 1	0.38	30	0.18	1240
18400E 4850N	201	202	< 5	1.2	1.10	20	500	0.5	< 2	0.16	0.5	15	19	56	6.51	< 10	1	0.41	30	0.19	400
18400E 4900N	201	202	< 5	0.8	1.14	22	390	0.5	< 2	0.30	< 0.5	17	15	74	6.38	< 10	< 1	0.37	40	0.21	425
18400E 4950N	201	202	< 5	0.8	0.90	24	530	< 0.5	< 2	0.09	< 0.5	11	32	38	5.08	< 10	< 1	0.29	50	0.28	280
18400E 5000N	201	202	< 5	0.2	0.93	24	350	0.5	< 2	0.25	0.5	7	12	20	3.65	< 10	< 1	0.17	30	0.12	455

CERTIFICATION: _____

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CERTIFICATE OF ANALYSIS A9831790

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
18200E 3600N	201 202	6	0.02	37	680	24	< 2	2	23	0.02	< 10	< 10	19	< 10	154	3110
18200E 3650N	201 202	3	0.03	50	710	54	< 2	3	22	0.04	< 10	< 10	44	< 10	136	2600
18200E 3700N	201 202	< 1	< 0.01	102	1730	2	4	7	23	0.09	< 10	< 10	71	< 10	138	960
18200E 3750N	201 202	< 1	0.01	41	1370	8	< 2	1	9	0.04	< 10	< 10	64	< 10	76	1030
18200E 3800N	201 202	< 1	< 0.01	96	1340	< 2	< 2	14	31	0.08	< 10	< 10	74	< 10	70	2510
18200E 3850N	201 202	1	< 0.01	78	1350	< 2	< 2	10	29	0.09	< 10	< 10	76	< 10	66	1740
18200E 3900N	201 202	< 1	< 0.01	65	1120	6	< 2	9	28	0.10	< 10	< 10	59	< 10	58	1180
18200E 3950N	201 202	< 1	< 0.01	84	1480	6	< 2	14	41	0.16	< 10	< 10	86	< 10	70	910
18200E 4000N	201 202	< 1	< 0.01	81	1160	< 2	< 2	13	33	0.10	< 10	< 10	71	< 10	62	920
18200E 4050N	201 202	< 1	< 0.01	139	1580	2	< 2	19	26	0.06	< 10	< 10	91	< 10	86	920
18200E 4100N	201 202	< 1	< 0.01	137	1400	< 2	< 2	12	20	0.04	< 10	< 10	57	< 10	100	1110
18200E 4150N	201 202	< 1	< 0.01	131	1690	2	< 2	11	27	0.03	< 10	< 10	53	< 10	128	1170
18200E 4200N	201 202	< 1	< 0.01	119	1320	< 2	< 2	11	20	0.14	< 10	< 10	70	< 10	84	970
18200E 4250N	201 202	< 1	< 0.01	176	1610	< 2	< 2	14	26	0.17	< 10	10	88	< 10	86	700
18200E 4300N	201 202	< 1	< 0.01	149	1540	< 2	< 2	13	40	0.09	< 10	< 10	65	< 10	78	800
18200E 4350N	201 202	2	0.01	128	1670	6	< 2	10	54	0.04	< 10	< 10	55	< 10	96	1050
18200E 4400N	201 202	3	0.01	144	1730	10	< 2	11	50	0.01	< 10	10	38	< 10	246	1430
18200E 4450N	201 202	1	0.01	122	1320	10	< 2	11	42	0.04	< 10	< 10	47	< 10	278	1420
18200E 4500N	201 202	11	< 0.01	42	700	12	< 2	5	35	< 0.01	< 10	< 10	49	< 10	142	1370
18200E 4550N	201 202	2	0.01	72	870	18	< 2	4	21	0.05	< 10	< 10	50	< 10	126	910
18200E 4600N	201 202	1	< 0.01	36	540	10	< 2	3	8	0.01	< 10	< 10	23	< 10	110	680
18200E 4650N	201 202	2	< 0.01	35	790	30	< 2	3	7	0.01	< 10	< 10	21	< 10	146	1170
18200E 4700N	201 202	2	< 0.01	39	510	16	< 2	5	7	< 0.01	< 10	< 10	19	< 10	114	560
18200E 4750N	201 202	< 1	< 0.01	39	890	10	< 2	5	12	< 0.01	< 10	< 10	14	< 10	132	820
18200E 4800N	201 202	1	0.01	21	2740	8	< 2	1	14	0.01	< 10	< 10	24	< 10	102	790
18200E 4850N	201 202	< 1	< 0.01	34	650	8	2	3	11	0.01	< 10	< 10	23	< 10	102	1000
18200E 4900N	201 202	< 1	< 0.01	131	1180	< 2	< 2	11	18	< 0.01	< 10	< 10	54	< 10	116	810
18200E 4950N	201 202	1	0.05	230	1450	6	< 2	10	60	< 0.01	< 10	10	42	< 10	116	760
18200E 5000N	201 202	3	0.06	169	1430	8	2	8	69	< 0.01	< 10	< 10	44	< 10	166	1370
18400E 4600N	201 202	1	< 0.01	71	410	22	< 2	8	17	< 0.01	< 10	< 10	22	< 10	186	1330
18400E 4650N	201 202	2	< 0.01	50	1100	12	< 2	3	16	0.01	< 10	< 10	32	< 10	140	940
18400E 4700N	201 202	4	< 0.01	7	820	10	< 2	2	97	< 0.01	< 10	< 10	47	< 10	36	2400
18400E 4750N	201 202	5	< 0.01	5	430	10	< 2	4	14	< 0.01	< 10	< 10	50	< 10	34	1390
18400E 4800N	201 202	4	< 0.01	101	2190	30	< 2	18	56	< 0.01	< 10	10	33	< 10	232	1360
18400E 4850N	201 202	5	< 0.01	38	1800	24	2	6	57	< 0.01	< 10	< 10	23	< 10	230	1380
18400E 4900N	201 202	7	< 0.01	40	1320	28	< 2	6	73	< 0.01	< 10	< 10	22	< 10	192	1770
18400E 4950N	201 202	10	0.01	29	1130	40	2	3	42	< 0.01	< 10	< 10	24	< 10	120	2570
18400E 5000N	201 202	8	0.01	25	980	54	< 2	2	52	< 0.01	< 10	< 10	19	< 10	162	1770

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Page Number : 1-A
Total Pages : 7
Certificate Date: 30-SEP-1998
Invoice No. : 19831788
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831788

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L1000E 6400N	201	202	< 5	< 0.2	0.57	18	70	< 0.5	< 2	0.07	< 0.5	7	7	14	2.23	< 10	< 1	0.04	10	0.05	215
L1000E 6450N	201	202	< 5	< 0.2	0.81	26	80	< 0.5	< 2	0.01	< 0.5	6	12	15	2.36	< 10	< 1	0.07	40	0.10	125
L1000E 6500N	201	202	< 5	0.4	0.50	12	90	0.5	< 2	0.35	< 0.5	8	9	19	1.66	< 10	< 1	0.08	40	0.14	65
L1000E 6550N	201	202	< 5	< 0.2	1.59	10	180	0.5	< 2	0.68	0.5	32	55	45	6.79	< 10	< 1	0.07	40	0.40	1205
L1000E 6600N	201	202	< 5	< 0.2	1.01	32	220	0.5	< 2	0.43	< 0.5	5	5	10	1.94	< 10	< 1	0.07	50	0.09	135
L1000E 6650N	201	202	< 5	0.2	0.92	22	230	< 0.5	< 2	0.71	< 0.5	5	4	15	1.83	< 10	< 1	0.07	20	0.11	570
L1000E 6700N	201	202	< 5	< 0.2	2.02	30	420	0.5	< 2	0.11	< 0.5	17	2	14	5.01	< 10	< 1	0.09	50	0.17	310
L1000E 6750N	201	202	< 5	< 0.2	2.83	10	330	1.5	< 2	0.45	0.5	20	12	32	7.30	< 10	< 1	0.13	40	0.70	1785
L1000E 6800N	201	202	< 5	1.2	0.31	16	130	0.5	< 2	0.18	1.5	11	6	48	2.87	< 10	< 1	0.06	30	0.04	200
L1000E 6850N	201	202	< 5	< 0.2	0.75	18	220	1.5	< 2	1.11	0.5	32	3	31	7.46	< 10	< 1	0.07	60	0.15	1005
L1000E 6900N	201	202	< 5	0.4	0.27	60	150	0.5	< 2	0.29	0.5	17	9	55	3.66	< 10	< 1	0.06	30	0.07	345
L1000E 6950N	201	202	< 5	< 0.2	0.61	16	50	< 0.5	< 2	0.01	< 0.5	6	5	8	1.67	< 10	< 1	0.04	40	0.02	75
L1000E 7050N	201	202	< 5	0.2	0.64	8	70	< 0.5	< 2	0.05	< 0.5	1	3	3	0.75	< 10	< 1	0.05	30	0.03	40
L1000E 7100N	201	202	< 5	< 0.2	0.93	30	90	< 0.5	< 2	0.01	< 0.5	6	9	15	3.80	< 10	< 1	0.06	50	0.09	200
L1000E 7150N	201	202	< 5	0.2	0.77	42	140	< 0.5	< 2	0.09	0.5	9	5	18	3.65	< 10	< 1	0.05	20	0.03	610
L1000E 7200N	201	202	< 5	0.6	0.44	36	230	0.5	< 2	0.37	0.5	10	4	23	2.86	< 10	< 1	0.08	60	0.07	275
L1200E 6400N	201	202	< 5	< 0.2	0.51	18	140	0.5	< 2	0.21	< 0.5	5	3	14	2.42	< 10	< 1	0.11	80	0.03	285
L1200E 6450N	201	202	< 5	< 0.2	0.61	20	110	1.0	< 2	0.09	0.5	8	2	14	3.46	< 10	< 1	0.12	50	0.01	1745
L1200E 6500N	201	202	< 5	< 0.2	0.26	42	100	0.5	< 2	0.07	< 0.5	7	1	16	2.14	< 10	< 1	0.08	40	0.01	255
L1200E 6550N	201	202	< 5	< 0.2	0.61	24	130	0.5	< 2	0.06	< 0.5	4	4	10	1.75	< 10	< 1	0.11	40	0.04	365
L1200E 6600N	201	202	< 5	< 0.2	0.59	8	70	< 0.5	< 2	0.10	< 0.5	2	3	5	1.16	< 10	< 1	0.07	10	0.05	215
L1200E 6650N	201	202	< 5	< 0.2	0.69	6	60	< 0.5	< 2	0.01	< 0.5	1	5	7	2.11	< 10	< 1	0.08	30	0.03	170
L1200E 6700N	201	202	< 5	< 0.2	1.13	16	80	< 0.5	< 2	0.08	< 0.5	5	15	10	2.87	< 10	< 1	0.09	30	0.16	205
L1200E 6750N	201	202	< 5	< 0.2	0.30	18	40	< 0.5	2	0.03	< 0.5	2	2	7	2.07	< 10	< 1	0.05	20	0.01	115
L1200E 6800N	201	202	< 5	< 0.2	0.51	12	90	< 0.5	< 2	0.16	< 0.5	1	3	4	1.86	< 10	< 1	0.08	10	0.03	140
L1200E 6850N	201	202	< 5	< 0.2	0.33	154	40	0.5	6	0.09	< 0.5	1	2	7	2.24	< 10	< 1	0.07	40	0.01	360
L1200E 6900N	201	202	< 5	< 0.2	0.24	16	50	0.5	4	0.09	< 0.5	1	1	4	2.17	< 10	< 1	0.05	40	0.03	1185
L1200E 6950N	201	202	< 5	< 0.2	0.24	26	50	0.5	2	0.20	0.5	3	< 1	8	3.10	< 10	< 1	0.05	60	0.04	1270
L1200E 7050N	201	202	< 5	< 0.2	0.43	20	90	1.0	< 2	0.30	< 0.5	1	< 1	4	1.78	< 10	< 1	0.10	10	0.04	630
L1200E 7100N	201	202	< 5	< 0.2	0.66	16	50	< 0.5	< 2	0.07	< 0.5	1	2	4	4.03	< 10	< 1	0.07	30	0.05	575
L1200E 7150N	201	202	< 5	0.4	0.33	12	30	< 0.5	< 2	0.02	< 0.5	1	1	5	1.24	< 10	< 1	0.05	60	0.01	40
L1200E 7200N	201	202	< 5	< 0.2	0.45	62	90	0.5	< 2	0.13	4.0	29	12	46	3.94	< 10	< 1	0.07	60	0.09	1070
L1400E 6400N	201	202	< 5	0.2	0.39	26	140	< 0.5	< 2	0.21	< 0.5	7	3	15	1.81	< 10	< 1	0.12	40	0.05	270
L1400E 6450N	201	202	< 5	< 0.2	0.42	22	140	< 0.5	< 2	0.13	< 0.5	3	4	10	1.51	< 10	< 1	0.13	30	0.03	150
L1400E 6500N	201	202	< 5	< 0.2	0.31	6	50	< 0.5	< 2	0.20	< 0.5	2	1	4	1.07	< 10	< 1	0.08	20	0.03	125
L1400E 6550N	201	202	< 5	< 0.2	0.38	12	80	0.5	< 2	0.26	< 0.5	8	6	10	2.44	< 10	< 1	0.09	40	0.06	515
L1400E 6600N	201	202	< 5	< 0.2	0.40	44	120	0.5	2	0.11	1.5	16	2	27	4.76	< 10	< 1	0.19	70	0.01	615
L1400E 6650N	201	202	< 5	< 0.2	0.23	22	40	0.5	< 2	0.37	0.5	5	< 1	8	1.34	< 10	< 1	0.10	30	0.01	855
L1400E 6700N	201	202	< 5	< 0.2	0.25	22	30	0.5	2	0.28	1.5	4	< 1	12	1.61	< 10	< 1	0.09	40	0.01	520
L1400E 6750N	201	202	< 5	< 0.2	0.30	34	40	0.5	< 2	0.20	3.5	2	1	11	1.76	< 10	< 1	0.14	40	0.02	375

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Page Number : 1-B
Total Pages : 7
Certificate Date: 30-SEP-1998
Invoice No. : 19831788
P.O. Number : PTH98-01
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CERTIFICATE OF ANALYSIS A9831788

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
L1000E 6400N	201	202	2	0.04	22	760	6	< 2	< 1	9	< 0.01	< 10	< 10	20	< 10	44	1170
L1000E 6450N	201	202	5	< 0.01	20	740	10	< 2	< 1	5	< 0.01	< 10	< 10	24	< 10	80	1480
L1000E 6500N	201	202	4	< 0.01	24	1310	14	< 2	2	30	< 0.01	< 10	< 10	18	< 10	142	1270
L1000E 6550N	201	202	4	< 0.01	51	3110	2	< 2	8	34	< 0.01	< 10	< 10	34	< 10	104	1410
L1000E 6600N	201	202	3	0.03	9	1040	10	< 2	1	18	< 0.01	< 10	< 10	16	< 10	58	1150
L1000E 6650N	201	202	3	0.01	11	1840	4	< 2	1	30	< 0.01	< 10	< 10	15	< 10	62	1270
L1000E 6700N	201	202	5	< 0.01	3	2070	2	< 2	4	12	< 0.01	< 10	< 10	36	< 10	96	1860
L1000E 6750N	201	202	4	< 0.01	16	3870	8	< 2	6	52	< 0.01	< 10	< 10	121	< 10	82	1050
L1000E 6800N	201	202	4	< 0.01	50	770	30	2	4	20	< 0.01	< 10	< 10	25	< 10	528	1620
L1000E 6850N	201	202	4	< 0.01	11	3100	20	< 2	5	52	< 0.01	< 10	< 10	27	< 10	140	1190
L1000E 6900N	201	202	5	< 0.01	63	1240	34	2	6	23	< 0.01	< 10	< 10	25	< 10	212	1860
L1000E 6950N	201	202	4	< 0.01	10	500	10	< 2	< 1	4	< 0.01	< 10	< 10	22	< 10	68	910
L1000E 7050N	201	202	1	0.01	1	890	8	< 2	< 1	5	< 0.01	< 10	< 10	9	< 10	20	1080
L1000E 7100N	201	202	6	< 0.01	14	580	30	< 2	< 1	8	< 0.01	< 10	< 10	18	< 10	148	1120
L1000E 7150N	201	202	9	0.01	13	1600	18	< 2	< 1	12	< 0.01	< 10	< 10	19	< 10	296	1110
L1000E 7200N	201	202	8	< 0.01	18	1270	32	< 2	< 1	26	< 0.01	< 10	< 10	12	< 10	100	1200
L1200E 6400N	201	202	7	< 0.01	16	940	34	< 2	< 1	26	< 0.01	< 10	< 10	8	< 10	112	1120
L1200E 6450N	201	202	14	< 0.01	18	1300	184	< 2	1	7	< 0.01	< 10	< 10	4	< 10	326	270
L1200E 6500N	201	202	9	< 0.01	21	450	30	< 2	1	15	< 0.01	< 10	< 10	9	< 10	172	1250
L1200E 6550N	201	202	10	0.01	9	980	36	< 2	< 1	23	< 0.01	< 10	< 10	19	< 10	92	1190
L1200E 6600N	201	202	1	0.02	4	830	10	< 2	< 1	9	< 0.01	< 10	< 10	13	< 10	42	870
L1200E 6650N	201	202	7	0.01	6	520	8	< 2	< 1	7	< 0.01	< 10	< 10	23	< 10	74	1080
L1200E 6700N	201	202	5	< 0.01	15	550	26	< 2	1	17	0.03	< 10	< 10	32	< 10	98	870
L1200E 6750N	201	202	2	< 0.01	3	1270	28	< 2	< 1	3	< 0.01	< 10	< 10	5	< 10	50	1330
L1200E 6800N	201	202	3	< 0.01	9	1020	26	< 2	< 1	6	< 0.01	< 10	< 10	6	< 10	110	1440
L1200E 6850N	201	202	8	< 0.01	4	890	26	< 2	< 1	6	< 0.01	< 10	< 10	5	< 10	52	610
L1200E 6900N	201	202	4	< 0.01	3	650	14	< 2	3	5	< 0.01	< 10	< 10	2	< 10	26	650
L1200E 6950N	201	202	10	0.01	6	600	38	< 2	1	10	< 0.01	< 10	< 10	2	< 10	202	450
L1200E 7050N	201	202	6	< 0.01	3	350	22	< 2	2	12	< 0.01	< 10	10	< 1	< 10	76	630
L1200E 7100N	201	202	11	0.01	4	690	14	< 2	< 1	6	< 0.01	< 10	< 10	10	< 10	88	560
L1200E 7150N	201	202	5	< 0.01	5	500	10	< 2	< 1	4	< 0.01	< 10	< 10	11	< 10	140	1150
L1200E 7200N	201	202	4	< 0.01	43	1090	46	2	5	12	< 0.01	< 10	< 10	16	< 10	410	1730
L1400E 6400N	201	202	6	< 0.01	16	960	28	2	1	52	< 0.01	< 10	< 10	17	< 10	114	1610
L1400E 6450N	201	202	6	< 0.01	8	890	38	< 2	< 1	58	< 0.01	< 10	< 10	16	< 10	74	1150
L1400E 6500N	201	202	1	< 0.01	3	880	10	< 2	< 1	11	< 0.01	< 10	< 10	4	< 10	38	1030
L1400E 6550N	201	202	3	< 0.01	14	1230	22	< 2	2	24	< 0.01	< 10	< 10	11	< 10	112	1320
L1400E 6600N	201	202	12	< 0.01	24	1670	64	2	< 1	100	< 0.01	< 10	< 10	10	< 10	390	990
L1400E 6650N	201	202	2	< 0.01	7	1040	26	< 2	1	14	< 0.01	< 10	< 10	1	< 10	176	340
L1400E 6700N	201	202	4	< 0.01	9	840	64	< 2	1	10	< 0.01	< 10	< 10	3	< 10	296	320
L1400E 6750N	201	202	8	< 0.01	11	820	114	< 2	1	24	< 0.01	< 10	< 10	12	< 10	378	220

CERTIFICATION: _____

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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L1400E 6800N	201 202	< 5	< 0.2	0.23	34	50	0.5	< 2	0.21	< 0.5	2	< 1	7	1.43	< 10	< 1	0.11	50	0.01	575
L1400E 6850N	201 202	< 5	< 0.2	0.21	40	40	0.5	2	0.25	1.5	2	< 1	12	1.27	< 10	< 1	0.08	30	0.01	640
L1400E 6900N	201 202	< 5	< 0.2	0.23	46	50	0.5	< 2	0.31	2.0	6	< 1	15	2.15	< 10	< 1	0.10	30	0.01	615
L1400E 6950N	201 202	< 5	< 0.2	0.19	44	40	0.5	< 2	0.23	0.5	3	1	8	1.72	< 10	< 1	0.10	30	0.03	530
L1400E 7050N	201 202	< 5	< 0.2	0.22	44	50	0.5	< 2	0.24	2.5	4	1	16	1.82	< 10	< 1	0.09	30	0.01	505
L1400E 7100N	201 202	< 5	< 0.2	0.23	42	50	0.5	2	0.25	1.5	4	1	13	1.78	< 10	< 1	0.09	30	0.01	515
L1400E 7150N	201 202	< 5	< 0.2	0.31	28	50	0.5	2	0.32	< 0.5	1	1	6	1.30	< 10	< 1	0.09	40	0.01	120
L1400E 7200N	201 202	< 5	< 0.2	0.37	30	50	< 0.5	2	0.09	< 0.5	3	< 1	7	2.31	< 10	< 1	0.10	70	0.01	300
L1600E 6400N	201 202	< 5	< 0.2	1.15	8	380	1.5	< 2	0.31	< 0.5	2	10	10	4.55	< 10	< 1	0.15	180	0.17	1215
L1600E 6450N	201 202	< 5	< 0.2	0.84	8	870	0.5	< 2	0.20	< 0.5	2	3	17	7.05	< 10	< 1	0.14	250	0.09	2260
L1600E 6500N	201 202	< 5	< 0.2	0.64	22	210	0.5	< 2	0.12	0.5	6	4	33	5.15	< 10	< 1	0.14	160	0.06	1525
L1600E 6550N	201 202	< 5	< 0.2	1.08	8	210	2.0	< 2	0.28	< 0.5	2	4	11	6.21	< 10	< 1	0.20	210	0.15	2460
L1600E 6600N	201 202	< 5	< 0.2	0.42	26	110	0.5	< 2	0.02	< 0.5	8	3	19	3.05	< 10	< 1	0.15	50	0.01	345
L1600E 6650N	201 202	< 5	0.2	0.19	40	80	< 0.5	< 2	0.16	< 0.5	4	3	19	1.88	< 10	< 1	0.13	30	0.01	160
L1600E 6700N	201 202	< 5	< 0.2	0.35	32	120	0.5	2	0.19	0.5	9	2	23	2.47	< 10	< 1	0.18	40	0.01	405
L1600E 6750N	201 202	< 5	0.8	0.40	126	110	0.5	< 2	0.23	4.0	4	7	24	3.37	< 10	< 1	0.22	40	0.03	305
L1600E 6800N	201 202	< 5	< 0.2	0.41	40	70	1.0	< 2	0.40	2.0	18	1	21	3.72	< 10	< 1	0.14	60	0.04	855
L1600E 6850N	201 202	< 5	< 0.2	0.33	18	60	1.0	< 2	0.17	< 0.5	1	< 1	6	1.64	< 10	< 1	0.19	60	0.03	785
L1600E 6900N	201 202	< 5	< 0.2	0.30	22	60	1.0	< 2	0.17	< 0.5	1	< 1	5	1.63	< 10	< 1	0.17	70	0.03	825
L1600E 6950N	201 202	< 5	< 0.2	0.25	30	60	0.5	< 2	0.29	0.5	2	1	9	1.82	< 10	< 1	0.14	40	0.03	675
L1600E 7050N	201 202	< 5	< 0.2	0.42	28	80	0.5	< 2	0.31	< 0.5	4	1	10	2.03	< 10	< 1	0.12	50	0.04	935
L1600E 7100N	201 202	< 5	0.2	0.39	78	70	0.5	< 2	0.40	0.5	18	4	18	3.60	< 10	< 1	0.09	70	0.07	610
L1600E 7150N	201 202	< 5	< 0.2	0.47	< 2	30	< 0.5	< 2	0.08	< 0.5	1	1	2	0.66	< 10	< 1	0.03	< 10	0.05	55
L1600E 7200N	201 202	< 5	< 0.2	0.38	28	170	0.5	2	0.56	0.5	4	1	13	4.07	< 10	< 1	0.13	150	0.08	860
L1800E 6400N	201 202	< 5	< 0.2	0.68	20	310	0.5	< 2	0.16	< 0.5	3	3	24	7.17	< 10	< 1	0.28	270	0.06	1270
L1800E 6450N	201 202	< 5	< 0.2	0.71	18	270	0.5	< 2	0.12	0.5	3	6	31	6.45	< 10	< 1	0.49	250	0.08	795
L1800E 6500N	201 202	< 5	< 0.2	1.81	12	310	1.5	< 2	0.51	1.0	9	12	55	6.86	< 10	< 1	0.20	310	0.20	2470
L1800E 6550N	201 202	< 5	< 0.2	0.52	12	70	< 0.5	< 2	< 0.01	< 0.5	1	1	28	11.50	< 10	< 1	0.10	80	0.03	195
L1800E 6600N	201 202	< 5	< 0.2	1.12	26	260	0.5	< 2	0.13	< 0.5	2	1	28	9.81	< 10	< 1	0.54	270	0.05	1430
L1800E 6650N	201 202	< 5	< 0.2	0.85	12	270	2.0	< 2	0.29	1.0	4	< 1	24	6.39	< 10	< 1	0.33	190	0.15	2360
L1800E 6700N	201 202	< 5	0.2	0.35	24	280	0.5	< 2	0.14	1.0	14	1	34	4.98	< 10	< 1	0.25	70	0.02	1125
L1800E 6750N	201 202	< 5	< 0.2	0.39	24	160	0.5	< 2	0.19	< 0.5	9	1	21	2.87	< 10	< 1	0.17	30	0.02	540
L1800E 6800N	201 202	< 5	< 0.2	0.30	38	100	0.5	< 2	0.22	3.0	10	< 1	19	3.04	< 10	< 1	0.12	50	0.02	710
L1800E 6850N	201 202	< 5	< 0.2	0.31	42	90	0.5	2	0.25	2.5	8	1	19	3.44	< 10	< 1	0.15	50	0.03	615
L1800E 6900N	201 202	< 5	< 0.2	0.46	14	50	0.5	< 2	0.11	< 0.5	1	1	6	1.55	< 10	< 1	0.15	40	0.04	415
L1800E 6950N	201 202	< 5	< 0.2	0.62	8	70	0.5	< 2	0.14	< 0.5	< 1	< 1	4	1.49	< 10	< 1	0.09	50	0.03	315
L1800E 7000N	201 202	< 5	< 0.2	0.88	22	260	0.5	< 2	0.17	0.5	3	1	23	6.36	< 10	< 1	0.27	200	0.08	1080
L1800E 7050N	201 202	< 5	< 0.2	0.47	98	40	0.5	< 2	0.04	< 0.5	4	3	10	4.34	< 10	< 1	0.05	60	0.03	780
L1800E 7100N	201 202	< 5	< 0.2	0.46	26	460	0.5	< 2	0.16	< 0.5	3	1	10	5.76	< 10	< 1	0.12	190	0.06	1070
L1800E 7150N	201 202	< 5	< 0.2	0.53	22	80	0.5	< 2	0.03	< 0.5	2	2	11	4.29	< 10	< 1	0.07	170	0.05	940

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Certificate Date: 30-SEP-1998
Invoice No. : I9831788
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831788

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
L1400E 6800N	201	202	5	< 0.01	5	760	36	< 2	1	12	< 0.01	< 10	< 10	2	< 10	116	470
L1400E 6850N	201	202	3	< 0.01	4	1030	124	< 2	1	14	< 0.01	< 10	< 10	1	< 10	328	450
L1400E 6900N	201	202	4	< 0.01	12	1060	66	< 2	1	18	< 0.01	< 10	< 10	4	< 10	354	440
L1400E 6950N	201	202	4	< 0.01	6	830	66	< 2	< 1	8	< 0.01	< 10	< 10	3	< 10	176	590
L1400E 7050N	201	202	7	< 0.01	13	990	66	< 2	1	13	< 0.01	< 10	< 10	9	< 10	392	470
L1400E 7100N	201	202	6	< 0.01	10	940	60	2	1	13	< 0.01	< 10	< 10	8	< 10	264	500
L1400E 7150N	201	202	4	< 0.01	5	970	44	< 2	1	13	< 0.01	< 10	< 10	5	< 10	164	530
L1400E 7200N	201	202	9	< 0.01	6	790	44	< 2	< 1	23	< 0.01	< 10	< 10	9	< 10	158	660
L1600E 6400N	201	202	5	< 0.01	6	460	10	< 2	1	19	0.01	< 10	< 10	15	< 10	76	1680
L1600E 6450N	201	202	10	< 0.01	6	380	22	< 2	1	19	< 0.01	< 10	< 10	3	< 10	96	2660
L1600E 6500N	201	202	18	0.01	17	600	40	< 2	1	42	0.01	< 10	< 10	16	< 10	174	1300
L1600E 6550N	201	202	12	< 0.01	4	460	14	< 2	1	28	< 0.01	< 10	< 10	8	< 10	166	1220
L1600E 6600N	201	202	11	< 0.01	13	970	66	< 2	< 1	56	< 0.01	< 10	< 10	12	< 10	114	1130
L1600E 6650N	201	202	12	< 0.01	18	900	52	4	1	136	< 0.01	< 10	< 10	13	< 10	82	950
L1600E 6700N	201	202	10	< 0.01	16	890	58	< 2	1	73	< 0.01	< 10	< 10	11	< 10	136	960
L1600E 6750N	201	202	33	< 0.01	13	3620	130	14	1	157	< 0.01	< 10	< 10	115	< 10	172	740
L1600E 6800N	201	202	7	< 0.01	15	1430	50	2	4	58	< 0.01	< 10	< 10	14	< 10	414	1260
L1600E 6850N	201	202	7	< 0.01	3	390	58	< 2	2	6	< 0.01	< 10	< 10	1	< 10	172	310
L1600E 6900N	201	202	8	< 0.01	3	420	52	< 2	2	8	< 0.01	< 10	< 10	< 1	< 10	154	360
L1600E 6950N	201	202	8	< 0.01	9	850	72	< 2	2	16	< 0.01	< 10	< 10	8	< 10	196	480
L1600E 7050N	201	202	5	0.02	8	880	54	< 2	1	16	< 0.01	< 10	< 10	4	< 10	142	730
L1600E 7100N	201	202	6	0.01	32	990	42	28	3	22	< 0.01	< 10	< 10	9	< 10	136	1090
L1600E 7150N	201	202	< 1	0.08	< 1	310	2	< 2	< 1	8	0.02	< 10	< 10	13	< 10	10	900
L1600E 7200N	201	202	13	< 0.01	9	860	52	< 2	< 1	28	< 0.01	< 10	< 10	5	< 10	146	1600
L1800E 6400N	201	202	19	< 0.01	7	350	36	< 2	1	17	< 0.01	< 10	< 10	5	< 10	78	1800
L1800E 6450N	201	202	13	< 0.01	9	500	74	< 2	1	24	0.01	< 10	< 10	8	< 10	164	1860
L1800E 6500N	201	202	10	0.01	23	900	12	< 2	3	30	0.02	< 10	< 10	19	< 10	262	1940
L1800E 6550N	201	202	26	0.01	4	990	20	< 2	< 1	12	< 0.01	< 10	< 10	7	< 10	84	1700
L1800E 6600N	201	202	23	0.02	6	650	32	< 2	1	27	< 0.01	< 10	< 10	3	< 10	90	1870
L1800E 6650N	201	202	21	< 0.01	10	420	30	< 2	1	26	0.01	< 10	< 10	2	< 10	310	1590
L1800E 6700N	201	202	12	< 0.01	32	930	40	< 2	1	74	< 0.01	< 10	< 10	9	< 10	264	1960
L1800E 6750N	201	202	5	< 0.01	11	1240	56	< 2	< 1	42	< 0.01	< 10	< 10	9	< 10	106	1260
L1800E 6800N	201	202	7	< 0.01	16	1170	74	2	< 1	44	< 0.01	< 10	< 10	8	< 10	432	1260
L1800E 6850N	201	202	10	< 0.01	15	1100	86	2	1	69	< 0.01	< 10	< 10	16	< 10	382	1160
L1800E 6900N	201	202	6	0.03	3	510	32	< 2	1	10	< 0.01	< 10	< 10	8	< 10	128	510
L1800E 6950N	201	202	5	0.02	1	430	18	< 2	< 1	9	< 0.01	< 10	< 10	5	< 10	46	680
L1800E 7000N	201	202	13	0.02	8	590	54	< 2	1	29	< 0.01	< 10	< 10	8	< 10	210	1530
L1800E 7050N	201	202	19	< 0.01	9	690	52	< 2	1	5	< 0.01	< 10	< 10	3	< 10	64	820
L1800E 7100N	201	202	11	< 0.01	4	640	40	< 2	1	23	< 0.01	< 10	< 10	3	< 10	58	2070
L1800E 7150N	201	202	12	0.01	5	620	14	< 2	< 1	8	< 0.01	< 10	< 10	7	< 10	118	980

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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To: EQUITY ENGINEERING LTD.

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Project : STARR
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Certificate Date: 30-SEP-1998
Invoice No. : I9831788
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831788

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L1800E 7200N	201 202	< 5	< 0.2	0.66	24	270	1.0	< 2	0.30	< 0.5	8	12	21	5.53	< 10	< 1	0.10	160	0.15	685
L1900E 6400N	201 202	< 5	< 0.2	1.49	22	440	2.5	< 2	0.32	3.5	3	1	27	7.59	< 10	< 1	0.38	240	0.14	3440
L1900E 6450N	201 202	< 5	< 0.2	0.57	24	440	1.5	< 2	0.20	< 0.5	4	< 1	51	7.59	< 10	< 1	0.34	200	0.05	1730
L1900E 6500N	201 202	< 5	< 0.2	0.83	18	130	0.5	< 2	0.04	< 0.5	< 1	< 1	21	10.25	< 10	< 1	0.14	80	0.03	520
L1900E 6550N	201 202	< 5	< 0.2	1.46	16	180	1.0	< 2	0.36	< 0.5	1	< 1	23	7.87	< 10	< 1	0.76	290	0.09	1570
L1900E 6600N	201 202	< 5	< 0.2	0.42	12	170	< 0.5	2	0.06	< 0.5	< 1	< 1	31	12.70	< 10	< 1	0.43	180	0.03	195
L1900E 6650N	201 202	< 5	< 0.2	1.00	24	160	0.5	< 2	0.26	< 0.5	1	< 1	22	8.62	< 10	< 1	0.61	220	0.08	1430
L1900E 6700N	201 202	< 5	< 0.2	0.98	26	150	0.5	< 2	0.25	< 0.5	1	< 1	22	8.80	< 10	< 1	0.66	220	0.08	1355
L1900E 6750N	201 202	< 5	< 0.2	0.81	38	190	0.5	< 2	0.27	< 0.5	2	< 1	41	9.27	< 10	< 1	0.48	140	0.09	860
L1900E 6800N	201 202	< 5	< 0.2	0.96	30	240	0.5	< 2	0.26	< 0.5	2	< 1	32	9.57	< 10	< 1	0.45	170	0.10	1235
L1900E 6850N	201 202	< 5	< 0.2	0.88	26	260	1.0	2	0.29	< 0.5	3	< 1	32	8.32	< 10	< 1	0.44	190	0.12	1520
L1900E 6900N	201 202	< 5	< 0.2	1.12	40	310	2.0	< 2	0.21	1.5	4	2	44	10.35	< 10	< 1	0.36	320	0.09	1515
L1900E 6950N	201 202	< 5	0.2	0.56	28	390	0.5	< 2	0.21	0.5	7	2	35	5.36	< 10	< 1	0.18	120	0.05	925
L1900E 7000N	201 202	< 5	< 0.2	0.53	24	140	0.5	< 2	0.09	< 0.5	7	1	29	7.70	< 10	< 1	0.18	130	0.05	935
L1900E 7050N	201 202	< 5	< 0.2	0.39	38	310	0.5	< 2	0.14	< 0.5	2	< 1	7	5.69	< 10	< 1	0.14	190	0.05	1030
L1900E 7100N	201 202	< 5	< 0.2	0.36	18	400	0.5	< 2	0.18	< 0.5	1	< 1	6	4.48	< 10	< 1	0.08	140	0.04	825
L1900E 7150N	201 202	< 5	< 0.2	0.57	26	290	0.5	< 2	0.11	< 0.5	2	3	9	4.19	< 10	< 1	0.07	130	0.06	540
L1900E 7200N	201 202	< 5	0.8	0.62	60	200	1.0	< 2	0.28	< 0.5	12	7	24	10.00	< 10	< 1	0.12	130	0.10	2110
L2000E 6550N	201 202	< 5	< 0.2	0.54	18	190	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	13	11.25	< 10	< 1	0.31	80	0.04	50
L2000E 6600N	201 202	< 5	< 0.2	0.68	18	260	0.5	< 2	0.09	< 0.5	1	< 1	42	10.90	< 10	< 1	0.37	240	0.05	1185
L2000E 6650N	201 202	< 5	< 0.2	0.62	28	330	0.5	< 2	0.23	0.5	4	1	33	7.65	< 10	< 1	0.32	140	0.07	1510
L2000E 6700N	201 202	< 5	< 0.2	0.68	22	430	1.5	< 2	0.26	0.5	4	< 1	34	7.04	< 10	< 1	0.24	170	0.08	1990
L2000E 6750N	201 202	< 5	< 0.2	0.64	24	320	1.0	< 2	0.17	< 0.5	1	< 1	25	10.05	< 10	< 1	0.27	160	0.08	1445
L2000E 6800N	201 202	< 5	0.2	0.35	42	160	0.5	< 2	0.09	< 0.5	1	< 1	27	10.30	< 10	< 1	0.19	70	0.03	520
L2000E 6850N	201 202	< 5	0.2	0.44	32	230	0.5	< 2	0.26	1.5	7	1	54	9.58	< 10	< 1	0.20	140	0.06	1190
L2000E 6900N	201 202	< 5	< 0.2	0.64	20	220	1.5	< 2	0.38	< 0.5	3	3	26	5.56	< 10	< 1	0.16	240	0.10	1355
L2000E 6950N	201 202	< 5	< 0.2	0.69	12	180	0.5	< 2	0.36	< 0.5	5	2	10	2.17	< 10	< 1	0.07	40	0.04	535
L2000E 7000N	201 202	< 5	< 0.2	0.44	46	250	0.5	< 2	0.03	< 0.5	3	< 1	10	6.91	< 10	< 1	0.19	220	0.04	1380
L2000E 7050N	201 202	< 5	< 0.2	0.36	52	450	0.5	< 2	0.12	< 0.5	3	< 1	9	6.62	< 10	< 1	0.16	190	0.05	1425
L2000E 7100N	201 202	< 5	< 0.2	0.43	22	530	0.5	< 2	0.15	< 0.5	2	1	8	5.59	< 10	< 1	0.15	140	0.06	1155
L2000E 7150N	201 202	< 5	< 0.2	0.36	42	360	0.5	< 2	0.24	< 0.5	3	1	8	5.24	< 10	< 1	0.08	160	0.05	580
L2000E 7200N	201 202	< 5	0.2	0.36	54	220	0.5	< 2	0.34	< 0.5	29	8	64	7.45	< 10	< 1	0.09	110	0.10	760
L2100E 6600N	201 202	< 5	6.6	0.01	18	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	< 1	>15.00	< 10	< 1	0.01	< 10	< 0.01	5
L2100E 6650N	201 202	< 5	< 0.2	0.38	30	340	0.5	< 2	0.13	1.0	3	< 1	30	7.47	< 10	< 1	0.18	160	0.03	1495
L2100E 6700N	201 202	< 5	< 0.2	0.46	30	260	1.0	< 2	0.34	0.5	3	1	33	6.57	< 10	< 1	0.20	150	0.06	1170
L2100E 6750N	201 202	< 5	< 0.2	0.65	32	260	2.0	< 2	0.43	0.5	5	< 1	35	4.84	< 10	< 1	0.19	160	0.13	2290
L2100E 6800N	201 202	< 5	0.2	0.31	40	210	0.5	2	0.19	1.5	9	1	39	5.97	< 10	< 1	0.19	80	0.05	1190
L2100E 6850N	201 202	< 5	< 0.2	0.48	26	270	0.5	< 2	0.22	< 0.5	8	< 1	21	6.32	< 10	< 1	0.29	100	0.06	1510
L2100E 6900N	201 202	< 5	< 0.2	0.27	34	130	0.5	< 2	0.15	0.5	8	1	15	3.05	< 10	< 1	0.08	60	0.03	680
L2100E 6950N	201 202	< 5	< 0.2	0.30	22	210	0.5	< 2	0.18	< 0.5	1	1	12	4.39	< 10	< 1	0.05	190	0.07	1105

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SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
L1800E 7200N	201	202	13	0.01	18	830	90	< 2	2	18	< 0.01	< 10	< 10	7	< 10	76	2020
L1900E 6400N	201	202	15	0.01	8	520	78	< 2	1	62	< 0.01	< 10	< 10	3	< 10	860	1340
L1900E 6450N	201	202	23	< 0.01	9	560	36	< 2	1	58	< 0.01	< 10	< 10	2	< 10	214	1940
L1900E 6500N	201	202	13	< 0.01	1	360	28	< 2	< 1	10	< 0.01	< 10	< 10	< 1	< 10	52	1630
L1900E 6550N	201	202	11	0.06	< 1	480	22	< 2	< 1	80	< 0.01	< 10	< 10	< 1	< 10	90	1410
L1900E 6600N	201	202	28	0.01	< 1	1090	18	< 2	< 1	47	< 0.01	< 10	< 10	< 1	< 10	58	1960
L1900E 6650N	201	202	15	0.04	3	410	62	< 2	< 1	44	< 0.01	< 10	< 10	< 1	< 10	76	1710
L1900E 6700N	201	202	15	0.04	3	420	58	< 2	< 1	40	< 0.01	< 10	< 10	< 1	< 10	78	1940
L1900E 6750N	201	202	20	0.01	7	340	106	< 2	1	39	< 0.01	< 10	< 10	< 1	< 10	98	860
L1900E 6800N	201	202	19	0.02	5	360	86	< 2	1	36	< 0.01	< 10	< 10	< 1	< 10	106	2200
L1900E 6850N	201	202	18	0.01	7	340	74	< 2	1	33	< 0.01	< 10	< 10	< 1	< 10	120	2320
L1900E 6900N	201	202	23	0.01	13	650	130	2	3	37	< 0.01	< 10	< 10	6	< 10	488	1880
L1900E 6950N	201	202	17	0.01	17	690	74	2	1	34	< 0.01	< 10	< 10	10	< 10	240	2910
L1900E 7000N	201	202	12	< 0.01	11	810	54	< 2	4	27	< 0.01	< 10	< 10	6	< 10	214	1420
L1900E 7050N	201	202	13	< 0.01	4	560	46	< 2	< 1	18	< 0.01	< 10	< 10	1	< 10	32	1770
L1900E 7100N	201	202	9	< 0.01	3	590	34	< 2	< 1	16	< 0.01	< 10	< 10	2	< 10	26	2060
L1900E 7150N	201	202	9	0.01	6	610	48	2	< 1	14	< 0.01	< 10	< 10	6	< 10	30	2120
L1900E 7200N	201	202	24	< 0.01	21	1090	1115	4	3	18	< 0.01	< 10	< 10	6	< 10	80	1360
L2000E 6550N	201	202	10	0.01	< 1	710	38	< 2	< 1	14	< 0.01	< 10	< 10	< 1	< 10	16	1920
L2000E 6600N	201	202	22	0.01	3	490	24	< 2	1	37	< 0.01	< 10	< 10	< 1	< 10	60	1340
L2000E 6650N	201	202	17	0.01	11	510	66	< 2	1	44	< 0.01	< 10	< 10	5	< 10	216	2590
L2000E 6700N	201	202	17	< 0.01	11	550	46	< 2	1	36	< 0.01	< 10	< 10	4	< 10	210	2480
L2000E 6750N	201	202	21	< 0.01	6	440	66	< 2	1	26	< 0.01	< 10	< 10	1	< 10	152	2410
L2000E 6800N	201	202	22	< 0.01	4	620	88	2	< 1	14	< 0.01	< 10	< 10	1	< 10	226	2130
L2000E 6850N	201	202	20	< 0.01	19	760	66	< 2	2	33	< 0.01	< 10	< 10	6	< 10	338	2300
L2000E 6900N	201	202	13	0.01	9	880	42	< 2	1	24	< 0.01	< 10	< 10	9	< 10	214	1670
L2000E 6950N	201	202	5	0.03	7	750	28	< 2	< 1	26	< 0.01	< 10	< 10	15	< 10	74	990
L2000E 7000N	201	202	19	< 0.01	6	500	70	< 2	1	22	< 0.01	< 10	< 10	3	< 10	46	1670
L2000E 7050N	201	202	16	< 0.01	5	570	58	< 2	1	20	< 0.01	< 10	< 10	< 1	< 10	44	2230
L2000E 7100N	201	202	10	< 0.01	4	570	42	< 2	1	23	< 0.01	< 10	< 10	3	< 10	28	2110
L2000E 7150N	201	202	13	< 0.01	9	600	110	< 2	1	18	< 0.01	< 10	< 10	2	< 10	38	2010
L2000E 7200N	201	202	12	< 0.01	55	730	200	< 2	3	17	< 0.01	< 10	< 10	5	< 10	36	2040
L2100E 6600N	201	202	9	< 0.01	1	210	54	2	< 1	3	< 0.01	< 10	< 10	< 1	< 10	10	220
L2100E 6650N	201	202	24	< 0.01	10	540	66	< 2	1	19	< 0.01	< 10	< 10	4	< 10	274	2410
L2100E 6700N	201	202	17	0.01	10	550	54	< 2	1	30	< 0.01	< 10	< 10	4	< 10	230	2440
L2100E 6750N	201	202	10	< 0.01	17	440	40	< 2	< 1	21	< 0.01	< 10	< 10	1	< 10	268	1660
L2100E 6800N	201	202	18	< 0.01	30	1090	60	2	3	57	< 0.01	< 10	< 10	7	< 10	318	1620
L2100E 6850N	201	202	11	0.01	10	600	72	< 2	2	35	< 0.01	< 10	< 10	3	< 10	128	1410
L2100E 6900N	201	202	12	< 0.01	14	830	42	2	1	31	< 0.01	< 10	< 10	6	< 10	194	1240
L2100E 6950N	201	202	17	0.01	4	350	24	< 2	< 1	14	< 0.01	< 10	< 10	7	< 10	36	1790

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Certificate Date: 30-SEP-1998
Invoice No. :I9831788
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831788

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L2100E 7000N	201 202	< 5	0.2	0.65	56	240	0.5	< 2	0.07	< 0.5	2	< 1	11	8.41	< 10	< 1	0.61	250	0.04	745
L2100E 7050N	201 202	< 5	0.2	0.59	34	340	0.5	< 2	0.26	< 0.5	3	1	13	7.21	< 10	< 1	0.44	250	0.05	1005
L2100E 7100N	201 202	< 5	0.2	0.43	30	420	0.5	< 2	0.12	< 0.5	3	< 1	10	6.38	< 10	< 1	0.18	180	0.05	975
L2100E 7150N	201 202	< 5	0.2	0.54	20	820	0.5	< 2	0.33	< 0.5	2	1	9	5.35	< 10	< 1	0.08	150	0.07	1185
L2100E 7200N	201 202	< 5	0.2	0.43	40	550	0.5	< 2	0.32	< 0.5	4	< 1	13	6.91	< 10	< 1	0.21	160	0.05	1075
L2200E 6780N	201 202	< 5	0.4	0.34	32	120	0.5	< 2	0.43	0.5	12	1	27	9.39	< 10	< 1	0.67	50	0.06	1265
L2200E 6800N	201 202	< 5	0.2	0.50	24	260	0.5	< 2	0.24	0.5	14	1	25	7.51	< 10	< 1	0.36	70	0.05	1460
L2200E 6850N	201 202	< 5	0.4	0.30	56	140	0.5	< 2	0.34	2.0	36	2	45	5.38	< 10	< 1	0.20	10	0.03	845
L2200E 6900N	201 202	< 5	< 0.2	0.20	76	200	0.5	< 2	0.16	0.5	3	< 1	12	3.76	< 10	< 1	0.07	100	0.04	1385
L2200E 6935N	201 202	< 5	< 0.2	0.78	36	40	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	9	12.40	< 10	< 1	0.06	90	0.01	810
L2200E 6950N	201 202	< 5	< 0.2	0.25	22	40	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	5	6.12	< 10	< 1	0.05	150	0.01	640
L2200E 7000N	201 202	< 5	0.6	0.21	94	360	1.0	< 2	0.22	0.5	4	< 1	34	5.76	< 10	< 1	0.06	340	0.05	2180
L2200E 7050N	201 202	< 5	0.6	0.62	74	360	< 0.5	2	0.29	< 0.5	2	1	8	8.78	< 10	< 1	0.44	220	0.06	715
L2200E 7100N	201 202	< 5	0.4	0.80	54	170	0.5	< 2	0.31	< 0.5	2	< 1	13	10.85	< 10	< 1	0.73	240	0.07	1120
L2200E 7150N	201 202	< 5	0.2	0.49	34	560	0.5	< 2	0.14	< 0.5	3	< 1	9	7.77	< 10	< 1	0.20	310	0.05	1470
L2200E 7200N	201 202	< 5	0.4	1.52	44	190	0.5	< 2	0.97	< 0.5	6	< 1	20	9.27	< 10	< 1	0.69	110	0.12	665
L2300E 6400N	201 202	< 5	0.4	0.36	20	300	0.5	< 2	0.11	< 0.5	4	5	27	2.57	< 10	< 1	0.12	70	0.05	340
L2300E 6450N	201 202	< 5	< 0.2	1.57	6	320	3.5	< 2	0.22	< 0.5	4	21	12	4.34	< 10	< 1	0.27	150	0.49	1110
L2300E 6500N	201 202	< 5	< 0.2	1.30	8	300	2.0	< 2	0.35	< 0.5	3	13	10	3.95	< 10	< 1	0.29	200	0.30	1245
L2300E 6550N	201 202	< 5	< 0.2	0.81	24	310	1.0	< 2	0.21	< 0.5	2	4	16	4.67	< 10	< 1	0.32	320	0.09	1450
L2300E 6600N	201 202	< 5	< 0.2	0.94	18	400	1.5	< 2	0.29	0.5	4	1	26	5.15	< 10	< 1	0.17	230	0.09	2770
L2300E 6650N	201 202	< 5	0.4	0.85	58	440	0.5	< 2	< 0.01	< 0.5	9	4	80	8.11	< 10	< 1	0.23	140	0.02	955
L2300E 6670N	201 202	< 5	1.2	0.15	50	190	< 0.5	< 2	< 0.01	< 0.5	< 1	6	7	3.96	< 10	< 1	0.55	40	< 0.01	5
L2300E 6700N	201 202	< 5	0.2	1.11	16	370	0.5	< 2	0.42	< 0.5	10	8	12	8.01	< 10	< 1	0.31	40	0.13	1120
L2300E 6750N	201 202	< 5	0.4	0.92	26	260	0.5	< 2	0.33	0.5	9	3	22	8.07	< 10	< 1	0.32	190	0.07	1835
L2300E 6800N	201 202	< 5	0.2	0.55	30	370	0.5	2	0.22	< 0.5	3	< 1	15	6.23	< 10	< 1	0.33	120	0.05	1890
L2300E 6850N	201 202	< 5	< 0.2	0.64	20	260	0.5	2	0.21	< 0.5	6	3	19	5.61	< 10	< 1	0.23	140	0.08	1470
L2300E 6900N	201 202	< 5	0.2	0.25	12	180	0.5	< 2	1.10	< 0.5	< 1	< 1	5	5.63	< 10	< 1	0.05	160	0.47	1905
L2300E 6950N	201 202	< 5	0.2	0.58	28	240	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	6	9.67	< 10	< 1	0.09	140	0.03	835
L2300E 7000N	201 202	< 5	< 0.2	0.53	14	290	0.5	2	0.08	< 0.5	1	3	6	7.80	< 10	< 1	0.42	290	0.08	1240
L2300E 7050N	201 202	< 5	< 0.2	0.57	30	330	0.5	< 2	0.04	< 0.5	3	1	9	5.74	< 10	< 1	0.17	520	0.05	1470
L2300E 7100N	201 202	< 5	0.2	0.58	40	360	0.5	< 2	0.31	< 0.5	3	3	6	6.83	< 10	< 1	0.16	310	0.09	1750
L2300E 7150N	201 202	< 5	0.8	0.74	68	210	< 0.5	< 2	0.15	< 0.5	3	< 1	13	11.20	< 10	< 1	0.58	290	0.04	935
L2300E 7200N	201 202	< 5	0.4	0.42	34	620	0.5	< 2	0.28	< 0.5	2	< 1	8	7.12	< 10	< 1	0.13	280	0.06	1490
L2400E 6400N	201 202	< 5	0.6	0.43	18	170	< 0.5	< 2	0.01	< 0.5	4	7	29	2.50	< 10	< 1	0.09	20	0.04	80
L2400E 6450N	201 202	< 5	0.4	0.62	16	90	0.5	< 2	0.02	< 0.5	2	4	27	2.78	< 10	< 1	0.09	20	0.04	650
L2400E 6500N	201 202	< 5	< 0.2	0.77	8	190	2.0	< 2	0.33	< 0.5	1	4	9	4.32	< 10	< 1	0.22	230	0.19	1585
L2400E 6550N	201 202	< 5	< 0.2	0.73	10	440	2.0	< 2	0.39	< 0.5	3	3	13	5.40	< 10	< 1	0.18	330	0.13	3050
L2400E 6600N	201 202	< 5	0.2	0.90	12	250	2.0	< 2	0.33	< 0.5	3	3	16	5.54	< 10	< 1	0.14	350	0.08	1955
L2400E 6650N	201 202	< 5	0.2	0.72	24	240	1.0	< 2	0.07	1.5	6	1	36	7.16	< 10	< 1	0.17	170	0.04	1720

CERTIFICATION: David Buchholz

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Certificate Date: 30-SEP-1998
Invoice No. : I9831788
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831788

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
L2100E 7000N	201 202	25	< 0.01	5	620	86	2	1	43	< 0.01	< 10	< 10	3	< 10	26	1390
L2100E 7050N	201 202	22	< 0.01	6	650	64	< 2	1	42	< 0.01	< 10	< 10	3	< 10	28	2290
L2100E 7100N	201 202	16	< 0.01	4	600	58	< 2	1	24	< 0.01	< 10	< 10	1	< 10	34	1980
L2100E 7150N	201 202	10	< 0.01	4	590	40	< 2	1	22	< 0.01	< 10	< 10	2	< 10	18	2720
L2100E 7200N	201 202	17	< 0.01	4	650	80	< 2	1	30	< 0.01	< 10	< 10	< 1	< 10	18	3440
L2200E 6780N	201 202	16	0.01	13	530	100	< 2	1	92	< 0.01	< 10	< 10	3	< 10	172	1100
L2200E 6800N	201 202	9	< 0.01	14	580	88	< 2	2	63	< 0.01	< 10	< 10	4	< 10	202	1390
L2200E 6850N	201 202	14	< 0.01	40	1930	54	2	3	86	< 0.01	< 10	< 10	17	< 10	246	1070
L2200E 6900N	201 202	15	< 0.01	10	510	40	2	< 1	16	< 0.01	< 10	< 10	1	< 10	136	770
L2200E 6935N	201 202	70	< 0.01	3	420	66	2	1	3	< 0.01	< 10	< 10	1	< 10	38	430
L2200E 6950N	201 202	29	< 0.01	1	330	36	< 2	< 1	4	< 0.01	< 10	< 10	< 1	< 10	14	580
L2200E 7000N	201 202	53	< 0.01	22	520	38	2	< 1	19	< 0.01	< 10	< 10	5	< 10	108	1610
L2200E 7050N	201 202	18	< 0.01	6	590	128	< 2	2	38	< 0.01	< 10	< 10	3	< 10	28	1950
L2200E 7100N	201 202	15	< 0.01	6	580	98	< 2	2	35	< 0.01	< 10	< 10	< 1	< 10	36	1860
L2200E 7150N	201 202	18	< 0.01	4	900	58	< 2	1	37	< 0.01	< 10	< 10	1	< 10	22	4770
L2200E 7200N	201 202	20	< 0.01	5	790	140	2	1	53	< 0.01	< 10	< 10	< 1	< 10	16	5350
L2300E 6400N	201 202	7	< 0.01	16	680	32	2	1	72	< 0.01	< 10	< 10	17	< 10	136	3320
L2300E 6450N	201 202	8	< 0.01	11	420	22	< 2	2	21	0.08	< 10	< 10	27	< 10	160	1230
L2300E 6500N	201 202	7	< 0.01	8	380	22	< 2	1	18	0.05	< 10	< 10	17	< 10	140	1290
L2300E 6550N	201 202	7	< 0.01	4	600	22	< 2	< 1	19	< 0.01	< 10	< 10	7	< 10	112	1400
L2300E 6600N	201 202	13	< 0.01	8	310	38	< 2	1	22	< 0.01	< 10	< 10	2	< 10	318	2050
L2300E 6650N	201 202	42	0.01	23	2270	68	2	4	70	< 0.01	< 10	< 10	11	< 10	298	2850
L2300E 6670N	201 202	22	< 0.01	2	1410	138	2	2	73	< 0.01	< 10	< 10	25	< 10	24	760
L2300E 6700N	201 202	5	0.01	13	1880	20	< 2	13	89	0.01	< 10	< 10	13	< 10	78	1730
L2300E 6750N	201 202	16	< 0.01	19	1440	76	< 2	4	67	< 0.01	< 10	< 10	8	< 10	202	1190
L2300E 6800N	201 202	13	< 0.01	6	640	74	< 2	2	59	< 0.01	< 10	< 10	3	< 10	108	1680
L2300E 6850N	201 202	11	< 0.01	8	720	60	< 2	3	32	< 0.01	< 10	< 10	6	< 10	154	1280
L2300E 6900N	201 202	20	< 0.01	4	340	14	< 2	1	13	< 0.01	< 10	< 10	1	< 10	36	920
L2300E 6950N	201 202	39	< 0.01	1	320	38	2	1	5	< 0.01	< 10	< 10	< 1	< 10	34	720
L2300E 7000N	201 202	23	< 0.01	4	340	38	< 2	< 1	15	0.01	< 10	< 10	5	< 10	24	760
L2300E 7050N	201 202	25	< 0.01	8	440	40	< 2	< 1	21	< 0.01	< 10	< 10	3	< 10	48	900
L2300E 7100N	201 202	7	< 0.01	5	710	42	< 2	3	35	< 0.01	< 10	< 10	5	< 10	32	2330
L2300E 7150N	201 202	31	< 0.01	6	800	104	2	2	68	< 0.01	< 10	< 10	1	< 10	68	1940
L2300E 7200N	201 202	20	< 0.01	3	780	78	2	1	28	< 0.01	< 10	< 10	1	< 10	24	5920
L2400E 6400N	201 202	7	< 0.01	21	1250	34	4	< 1	62	< 0.01	< 10	< 10	24	< 10	156	2770
L2400E 6450N	201 202	8	0.01	11	1100	18	2	< 1	35	< 0.01	< 10	< 10	17	< 10	126	1640
L2400E 6500N	201 202	10	< 0.01	4	310	14	< 2	1	13	0.01	< 10	< 10	5	< 10	120	1460
L2400E 6550N	201 202	8	< 0.01	7	370	18	< 2	1	15	< 0.01	< 10	< 10	4	< 10	146	2080
L2400E 6600N	201 202	8	< 0.01	10	440	36	< 2	1	9	< 0.01	< 10	< 10	4	< 10	232	1780
L2400E 6650N	201 202	17	< 0.01	20	370	60	2	1	9	< 0.01	< 10	< 10	5	< 10	390	1700

CERTIFICATION:

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CERTIFICATE OF ANALYSIS A9831788

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L2400E 6700N	201	202	< 5	0.2	0.40	26	300	< 0.5	< 2	0.01	< 0.5	3	3	31	4.38	< 10	< 1	0.14	70	0.02	265
L2400E 6750N	201	202	< 5	0.2	0.58	22	270	0.5	< 2	0.21	< 0.5	5	4	14	5.63	< 10	< 1	0.14	60	0.06	1000
L2400E 6800N	201	202	< 5	< 0.2	0.82	10	320	1.5	< 2	0.74	< 0.5	2	3	10	4.59	< 10	< 1	0.13	270	0.08	1095
L2400E 6850N	201	202	< 5	0.2	0.31	16	180	0.5	< 2	0.24	< 0.5	< 1	1	10	5.32	< 10	< 1	0.14	110	0.07	1130
L2400E 6900N	201	202	< 5	0.4	0.44	22	370	0.5	< 2	0.12	< 0.5	2	5	9	6.20	< 10	< 1	0.07	150	0.11	1865
L2400E 6950N	201	202	< 5	0.2	0.46	20	130	0.5	< 2	0.01	< 0.5	1	4	6	6.32	< 10	< 1	0.24	160	0.05	870
L2400E 7050N	201	202	< 5	< 0.2	0.55	24	480	0.5	< 2	0.13	< 0.5	2	2	8	7.98	< 10	< 1	0.18	450	0.09	2710
L2600E 6400N	201	202	< 5	0.4	0.27	20	220	< 0.5	< 2	0.01	< 0.5	4	4	25	2.85	< 10	< 1	0.14	30	0.02	105
L2600E 6450N	201	202	< 5	< 0.2	1.04	12	330	2.0	< 2	0.15	0.5	2	1	12	5.79	< 10	< 1	0.35	370	0.20	2790
L2600E 6500N	201	202	< 5	0.2	0.73	28	510	2.0	< 2	0.23	0.5	3	< 1	16	5.84	< 10	< 1	0.28	440	0.07	2550
L2600E 6550N	201	202	< 5	0.2	0.80	20	450	1.5	< 2	0.14	0.5	3	1	13	5.45	< 10	< 1	0.22	330	0.06	2520
L2600E 6600N	201	202	< 5	< 0.2	0.38	26	290	1.0	< 2	0.14	< 0.5	4	< 1	24	5.50	< 10	< 1	0.17	190	0.03	1160
L2600E 6650N	201	202	< 5	< 0.2	0.38	10	200	1.0	< 2	0.06	< 0.5	2	< 1	14	4.83	< 10	< 1	0.14	260	0.05	1350
L2600E 6700N	201	202	< 5	0.2	0.43	16	180	< 0.5	< 2	0.03	< 0.5	3	2	21	3.24	< 10	< 1	0.11	160	0.03	600
L2600E 6750N	201	202	< 5	< 0.2	0.59	16	160	0.5	< 2	0.03	< 0.5	8	4	16	4.11	< 10	< 1	0.11	80	0.05	710
L2600E 6800N	201	202	< 5	0.2	0.33	40	130	0.5	< 2	0.10	< 0.5	2	3	13	4.62	< 10	< 1	0.09	180	0.07	1185
L2600E 6850N	201	202	< 5	< 0.2	0.63	8	90	0.5	< 2	0.04	< 0.5	1	3	9	3.30	< 10	< 1	0.08	150	0.07	980
L2600E 6900N	201	202	< 5	< 0.2	0.57	14	120	< 0.5	< 2	0.12	< 0.5	3	11	7	3.94	< 10	< 1	0.09	120	0.12	440
L2600E 6950N	201	202	< 5	0.2	0.39	20	160	0.5	< 2	0.16	< 0.5	2	6	9	6.22	< 10	< 1	0.08	200	0.10	1910
L2600E 7050N	201	202	< 5	0.2	0.72	24	200	0.5	< 2	0.10	< 0.5	4	12	6	4.93	< 10	< 1	0.14	410	0.16	1135
L2600E 7100N	201	202	< 5	< 0.2	0.60	16	100	< 0.5	< 2	0.06	< 0.5	3	13	7	4.34	< 10	< 1	0.17	130	0.12	535
L2600E 7150N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L2600E 7200N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L2800E 6400N	201	202	< 5	0.4	0.37	12	190	0.5	< 2	0.08	0.5	4	3	29	2.85	< 10	< 1	0.14	90	0.05	595
L2800E 6450N	201	202	< 5	0.2	0.43	2	60	< 0.5	< 2	< 0.01	< 0.5	< 1	3	5	0.63	< 10	< 1	0.05	30	0.01	125
L2800E 6500N	201	202	< 5	0.2	0.62	8	60	< 0.5	< 2	0.02	< 0.5	3	7	8	3.64	< 10	< 1	0.06	70	0.07	225
L2800E 6550N	201	202	< 5	< 0.2	0.59	8	100	< 0.5	< 2	0.09	< 0.5	1	1	10	3.37	< 10	< 1	0.07	50	0.03	135
L2800E 6600N	201	202	< 5	0.2	0.39	20	210	0.5	< 2	0.12	< 0.5	9	2	17	4.62	< 10	< 1	0.11	130	0.04	720
L2800E 6650N	201	202	< 5	< 0.2	0.56	22	310	0.5	< 2	0.20	< 0.5	3	3	22	6.93	< 10	< 1	0.30	80	0.04	345
L2800E 6700N	201	202	< 5	< 0.2	0.37	20	300	< 0.5	< 2	0.16	< 0.5	6	2	9	5.05	< 10	< 1	0.14	60	0.03	635
L2800E 6750N	201	202	< 5	< 0.2	0.37	22	100	0.5	< 2	0.05	< 0.5	< 1	1	7	3.68	< 10	< 1	0.04	110	0.03	445
L2800E 6800N	201	202	< 5	0.6	0.52	44	180	< 0.5	< 2	0.07	< 0.5	48	4	36	11.60	< 10	< 1	0.64	50	< 0.01	730
L2800E 6850N	201	202	< 5	0.2	0.33	24	100	0.5	< 2	0.06	0.5	1	< 1	12	5.24	< 10	< 1	0.07	150	0.04	955
L2800E 6900N	201	202	< 5	0.6	0.51	30	140	0.5	< 2	0.09	< 0.5	1	4	14	5.05	< 10	< 1	0.08	340	0.08	1190
L2800E 6950N	201	202	< 5	0.2	0.51	18	220	0.5	< 2	0.16	< 0.5	2	7	14	4.72	< 10	< 1	0.06	190	0.13	1105
L2800E 7050N	201	202	< 5	< 0.2	0.80	20	180	0.5	< 2	0.13	< 0.5	4	15	9	4.21	< 10	< 1	0.08	150	0.18	1350
L2800E 7100N	201	202	< 5	0.2	0.96	18	240	0.5	< 2	0.29	< 0.5	4	16	9	4.89	< 10	< 1	0.08	180	0.21	1230
L2800E 7150N	201	202	< 5	< 0.2	0.29	16	120	0.5	< 2	0.07	< 0.5	< 1	1	4	4.10	< 10	< 1	0.13	100	0.03	365
L2800E 7200N	201	202	< 5	0.2	0.56	30	130	0.5	< 2	0.04	< 0.5	3	5	10	5.98	< 10	< 1	0.07	210	0.12	2100
L3000E 6400N	201	202	< 5	0.2	0.47	8	150	< 0.5	< 2	0.04	< 0.5	4	3	22	2.66	< 10	< 1	0.12	40	0.03	335

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Certificate Date: 30-SEP-1998
Invoice No. : 19831788
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831788

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
L2400E 6700N	201 202	26	< 0.01	10	1410	50	2	< 1	56	< 0.01	< 10	< 10	10	< 10	124	3030
L2400E 6750N	201 202	13	< 0.01	11	970	40	2	3	18	< 0.01	< 10	< 10	8	< 10	84	1190
L2400E 6800N	201 202	11	< 0.01	5	1020	34	< 2	1	26	< 0.01	< 10	< 10	5	< 10	96	1260
L2400E 6850N	201 202	15	< 0.01	4	430	24	< 2	< 1	11	< 0.01	< 10	< 10	1	< 10	30	1030
L2400E 6900N	201 202	19	< 0.01	9	340	34	< 2	1	8	0.01	< 10	< 10	9	< 10	32	940
L2400E 6950N	201 202	26	< 0.01	3	350	32	< 2	< 1	11	0.01	< 10	< 10	7	< 10	18	620
L2400E 7050N	201 202	28	< 0.01	5	510	22	< 2	< 1	17	< 0.01	< 10	< 10	3	< 10	32	3940
L2600E 6400N	201 202	8	< 0.01	19	920	34	2	< 1	62	< 0.01	< 10	< 10	16	< 10	144	4080
L2600E 6450N	201 202	14	< 0.01	5	370	28	< 2	1	19	0.02	< 10	< 10	3	< 10	188	1470
L2600E 6500N	201 202	15	< 0.01	6	600	26	< 2	< 1	19	< 0.01	< 10	< 10	1	< 10	260	1860
L2600E 6550N	201 202	13	< 0.01	6	620	28	< 2	< 1	16	< 0.01	< 10	< 10	3	< 10	194	1740
L2600E 6600N	201 202	15	< 0.01	9	300	42	2	1	14	< 0.01	< 10	< 10	1	< 10	110	1800
L2600E 6650N	201 202	9	< 0.01	4	360	16	< 2	< 1	8	< 0.01	< 10	< 10	3	< 10	64	2050
L2600E 6700N	201 202	7	< 0.01	9	610	32	2	< 1	63	< 0.01	< 10	< 10	9	< 10	136	1730
L2600E 6750N	201 202	10	0.01	9	850	36	2	< 1	25	< 0.01	< 10	< 10	12	< 10	82	1840
L2600E 6800N	201 202	13	< 0.01	9	480	26	2	< 1	16	< 0.01	< 10	< 10	5	< 10	86	1180
L2600E 6850N	201 202	10	0.02	3	430	8	< 2	< 1	8	< 0.01	< 10	< 10	9	< 10	32	950
L2600E 6900N	201 202	10	< 0.01	8	440	16	< 2	< 1	17	0.01	< 10	< 10	18	< 10	28	800
L2600E 6950N	201 202	18	< 0.01	8	490	22	< 2	1	16	< 0.01	< 10	< 10	9	< 10	32	740
L2600E 7050N	201 202	13	< 0.01	9	380	14	2	1	18	0.03	< 10	< 10	18	< 10	34	790
L2600E 7100N	201 202	13	< 0.01	8	430	28	< 2	< 1	16	0.03	< 10	< 10	21	< 10	26	750
L2600E 7150N	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L2600E 7200N	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L2800E 6400N	201 202	7	< 0.01	15	730	22	2	< 1	74	< 0.01	< 10	< 10	11	< 10	176	2620
L2800E 6450N	201 202	1	0.01	1	580	10	< 2	< 1	18	< 0.01	< 10	< 10	11	< 10	18	1600
L2800E 6500N	201 202	6	< 0.01	5	460	14	< 2	< 1	10	0.01	< 10	< 10	13	< 10	48	1120
L2800E 6550N	201 202	10	0.01	2	560	16	< 2	< 1	11	< 0.01	< 10	< 10	12	< 10	32	1130
L2800E 6600N	201 202	11	< 0.01	12	750	34	< 2	1	32	< 0.01	< 10	< 10	6	< 10	118	1460
L2800E 6650N	201 202	14	< 0.01	9	720	44	< 2	1	34	< 0.01	< 10	< 10	6	< 10	148	1940
L2800E 6700N	201 202	6	< 0.01	6	940	28	< 2	< 1	48	< 0.01	< 10	< 10	5	< 10	70	1260
L2800E 6750N	201 202	11	< 0.01	2	500	26	2	< 1	10	< 0.01	< 10	< 10	3	< 10	68	1090
L2800E 6800N	201 202	13	< 0.01	16	3930	130	2	4	372	< 0.01	< 10	< 10	12	< 10	52	630
L2800E 6850N	201 202	15	< 0.01	3	220	30	< 2	< 1	9	< 0.01	< 10	< 10	< 1	< 10	98	1470
L2800E 6900N	201 202	19	< 0.01	9	330	46	2	< 1	18	< 0.01	< 10	< 10	6	< 10	44	970
L2800E 6950N	201 202	15	< 0.01	8	310	12	< 2	1	15	0.01	< 10	< 10	10	< 10	38	1240
L2800E 7050N	201 202	11	< 0.01	10	420	14	2	1	12	0.03	< 10	< 10	23	< 10	38	870
L2800E 7100N	201 202	11	< 0.01	10	660	14	< 2	1	16	0.03	< 10	< 10	22	< 10	48	880
L2800E 7150N	201 202	17	< 0.01	1	600	22	2	< 1	22	< 0.01	< 10	< 10	2	< 10	14	1000
L2800E 7200N	201 202	15	0.01	6	620	46	< 2	1	13	0.01	< 10	< 10	9	< 10	40	1580
L3000E 6400N	201 202	6	0.01	10	830	18	2	< 1	42	< 0.01	< 10	< 10	12	< 10	88	2950

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Certificate Date: 30-SEP-1998
Invoice No. : I9831788
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831788

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L3000E 6450N	201	202	< 5	0.4	0.25	22	340	< 0.5	< 2	0.04	< 0.5	1	2	25	2.18	< 10	< 1	0.17	40	0.01	60
L3000E 6500N	201	202	< 5	< 0.2	0.57	12	210	0.5	< 2	0.01	< 0.5	1	1	12	3.59	< 10	< 1	0.30	100	0.09	465
L3000E 6550N	201	202	< 5	< 0.2	0.49	26	260	1.5	< 2	0.21	0.5	3	3	22	4.83	< 10	< 1	0.12	90	0.06	895
L3000E 6600N	201	202	< 5	0.2	0.44	22	230	0.5	< 2	0.11	0.5	4	4	30	3.57	< 10	< 1	0.11	130	0.05	430
L3000E 6650N	201	202	< 5	< 0.2	0.32	14	40	< 0.5	< 2	0.02	< 0.5	2	1	10	1.41	< 10	< 1	0.04	30	0.01	85
L3000E 6700N	201	202	< 5	< 0.2	0.48	18	50	< 0.5	< 2	0.01	< 0.5	4	3	9	4.11	< 10	< 1	0.07	70	0.03	500
L3000E 6750N	201	202	< 5	< 0.2	0.37	12	50	< 0.5	< 2	0.02	< 0.5	2	2	6	2.24	< 10	< 1	0.05	60	0.01	130
L3000E 6800N	201	202	< 5	< 0.2	0.40	20	60	< 0.5	< 2	0.04	< 0.5	3	2	7	3.19	< 10	< 1	0.04	40	0.01	190
L3000E 6850N	201	202	< 5	< 0.2	0.29	26	50	< 0.5	< 2	0.01	< 0.5	1	1	9	2.88	< 10	< 1	0.05	40	0.01	150
L3000E 6900N	201	202	< 5	< 0.2	0.26	28	30	< 0.5	< 2	< 0.01	< 0.5	1	1	9	3.43	< 10	< 1	0.04	90	0.01	190
L3000E 6950N	201	202	< 5	< 0.2	0.34	30	130	0.5	< 2	0.04	< 0.5	3	3	14	4.78	< 10	< 1	0.06	90	0.05	1740
L3000E 7050N	201	202	< 5	< 0.2	0.56	18	230	1.0	< 2	0.39	< 0.5	1	4	8	5.80	< 10	< 1	0.07	110	0.10	2270
L3000E 7100N	201	202	< 5	< 0.2	0.83	22	240	1.0	< 2	0.18	< 0.5	3	6	10	6.35	< 10	< 1	0.07	80	0.12	2420
L3000E 7150N	201	202	< 5	0.2	0.78	28	80	0.5	< 2	0.02	< 0.5	2	3	16	9.01	< 10	< 1	0.09	220	0.06	1705
L3000E 7200N	201	202	< 5	< 0.2	0.57	12	80	< 0.5	< 2	0.05	< 0.5	3	4	9	3.92	< 10	< 1	0.06	180	0.09	1635
L7000N 1000E	201	202	< 5	< 0.2	0.50	18	60	0.5	< 2	0.05	< 0.5	8	5	27	3.21	< 10	< 1	0.06	50	0.04	285
L7000N 1050E	201	202	< 5	< 0.2	0.62	6	90	0.5	< 2	0.23	< 0.5	1	1	10	6.93	< 10	< 1	0.07	60	0.13	2990
L7000N 1100E	201	202	< 5	0.2	0.42	12	100	0.5	< 2	0.17	< 0.5	1	1	8	6.46	< 10	< 1	0.08	90	0.13	3070
L7000N 1150E	201	202	< 5	0.2	0.34	192	300	1.5	< 2	0.92	< 0.5	1	< 1	4	6.68	< 10	< 1	0.08	150	0.09	5930
L7000N 1200E	201	202	< 5	< 0.2	0.41	16	80	1.0	< 2	0.17	< 0.5	1	1	7	2.94	< 10	< 1	0.09	30	0.06	1400
L7000N 1250E	201	202	< 5	< 0.2	0.24	42	60	0.5	< 2	0.21	< 0.5	1	< 1	5	1.80	< 10	< 1	0.07	40	0.03	710
L7000N 1300E	201	202	< 5	< 0.2	0.28	140	50	0.5	< 2	0.17	< 0.5	< 1	< 1	5	2.12	< 10	< 1	0.07	40	0.03	455
L7000N 1350E	201	202	< 5	< 0.2	0.19	48	30	0.5	< 2	0.16	< 0.5	2	< 1	5	2.00	< 10	< 1	0.06	50	0.02	440
L7000N 1400E	201	202	< 5	< 0.2	0.30	64	60	0.5	< 2	0.30	4.0	3	2	15	1.85	< 10	< 1	0.11	30	0.02	475
L7000N 1450E	201	202	< 5	< 0.2	0.30	28	40	0.5	< 2	0.24	0.5	2	< 1	9	1.59	< 10	< 1	0.13	50	0.02	580
L7000N 1500E	201	202	< 5	< 0.2	0.55	22	60	0.5	< 2	0.29	0.5	3	1	9	1.65	< 10	< 1	0.13	30	0.04	425
L7000N 1550E	201	202	< 5	< 0.2	0.23	14	30	0.5	< 2	0.25	< 0.5	1	< 1	5	1.18	< 10	< 1	0.11	50	0.02	430
L7000N 1600E	201	202	< 5	< 0.2	0.35	12	70	0.5	< 2	0.26	< 0.5	2	< 1	8	1.24	< 10	< 1	0.10	20	0.04	440
L7000N 1650E	201	202	< 5	< 0.2	0.38	42	60	0.5	< 2	0.21	< 0.5	2	< 1	6	1.76	< 10	< 1	0.07	50	0.04	590
L7000N 1700E	201	202	< 5	< 0.2	0.24	64	30	0.5	< 2	0.30	< 0.5	3	< 1	7	1.98	< 10	< 1	0.07	50	0.03	435
L7000N 1750E	201	202	< 5	< 0.2	0.35	42	60	1.0	< 2	0.51	< 0.5	1	< 1	7	2.44	< 10	< 1	0.10	60	0.05	520
L7000N 1850E	201	202	< 5	0.2	0.76	30	320	1.0	< 2	0.21	0.5	4	1	32	6.90	< 10	< 1	0.16	170	0.06	1120
L7000N 1950E	201	202	< 5	0.2	0.81	20	260	0.5	< 2	0.33	< 0.5	6	2	17	4.32	< 10	< 1	0.12	120	0.06	790
L7000N 2050E	201	202	< 5	< 0.2	0.64	26	250	< 0.5	< 2	0.11	< 0.5	2	2	9	4.53	< 10	< 1	0.22	130	0.05	955
L7000N 2150E	201	202	< 5	< 0.2	0.31	52	330	0.5	< 2	0.07	< 0.5	1	< 1	11	5.56	< 10	< 1	0.08	300	0.04	1955
L7000N 2250E	201	202	< 5	< 0.2	0.24	20	180	0.5	< 2	0.05	< 0.5	1	< 1	4	4.73	< 10	< 1	0.07	420	0.03	1230
L7000N 2350E	201	202	< 5	< 0.2	0.44	10	300	0.5	< 2	0.13	< 0.5	1	4	5	5.63	< 10	< 1	0.17	410	0.10	1740
L7000N 2400E	201	202	< 5	< 0.2	0.43	16	250	0.5	< 2	0.12	< 0.5	3	8	7	6.66	< 10	< 1	0.24	220	0.11	1700
L7000N 2450E	201	202	< 5	0.2	0.56	24	170	0.5	< 2	0.04	< 0.5	2	6	7	7.03	< 10	< 1	0.19	290	0.07	1570
L7000N 2500E	201	202	< 5	< 0.2	0.68	22	150	0.5	< 2	0.09	< 0.5	3	11	8	4.82	< 10	< 1	0.11	240	0.12	855

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Page Number :6-B
Total Pages :7
Certificate Date: 30-SEP-1998
Invoice No. :I9831788
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831788

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
L3000E 6450N	201 202	6	< 0.01	6	880	26	< 2	< 1	101	< 0.01	< 10	< 10	11	< 10	76	3050
L3000E 6500N	201 202	12	< 0.01	4	610	40	< 2	< 1	45	< 0.01	< 10	< 10	6	< 10	124	1510
L3000E 6550N	201 202	15	< 0.01	14	650	20	2	1	29	< 0.01	< 10	< 10	10	< 10	212	1870
L3000E 6600N	201 202	12	< 0.01	25	540	34	2	1	35	< 0.01	< 10	< 10	18	< 10	288	1870
L3000E 6650N	201 202	8	< 0.01	10	1060	14	< 2	< 1	4	< 0.01	< 10	< 10	8	< 10	92	1290
L3000E 6700N	201 202	8	< 0.01	6	450	36	14	< 1	5	< 0.01	< 10	< 10	5	< 10	72	1100
L3000E 6750N	201 202	8	0.01	5	490	22	< 2	< 1	6	< 0.01	< 10	< 10	12	< 10	48	1010
L3000E 6800N	201 202	6	< 0.01	7	570	18	< 2	< 1	6	< 0.01	< 10	< 10	9	< 10	68	2910
L3000E 6850N	201 202	10	< 0.01	4	850	30	< 2	< 1	8	< 0.01	< 10	< 10	7	< 10	48	970
L3000E 6900N	201 202	17	< 0.01	4	560	36	< 2	< 1	5	< 0.01	< 10	< 10	8	< 10	72	1170
L3000E 6950N	201 202	11	< 0.01	7	500	42	< 2	1	14	< 0.01	< 10	< 10	7	< 10	94	1050
L3000E 7050N	201 202	11	< 0.01	7	520	18	< 2	1	11	< 0.01	< 10	< 10	6	< 10	62	910
L3000E 7100N	201 202	11	< 0.01	7	640	24	< 2	1	9	0.01	< 10	< 10	11	< 10	88	1040
L3000E 7150N	201 202	57	< 0.01	5	770	90	4	< 1	12	< 0.01	< 10	< 10	5	< 10	56	730
L3000E 7200N	201 202	11	0.01	6	600	20	< 2	< 1	11	0.01	< 10	< 10	9	< 10	34	1060
L7000N 1000E	201 202	5	< 0.01	26	690	44	< 2	< 1	8	< 0.01	< 10	< 10	13	< 10	232	2270
L7000N 1050E	201 202	8	0.02	5	420	24	< 2	1	8	0.01	< 10	< 10	9	< 10	92	680
L7000N 1100E	201 202	11	0.01	4	380	40	< 2	1	9	< 0.01	< 10	< 10	6	< 10	116	580
L7000N 1150E	201 202	28	< 0.01	4	320	20	< 2	1	18	< 0.01	< 10	< 10	1	< 10	118	790
L7000N 1200E	201 202	6	0.01	3	580	18	< 2	4	8	< 0.01	< 10	< 10	4	< 10	96	500
L7000N 1250E	201 202	4	< 0.01	3	630	28	< 2	2	8	< 0.01	< 10	< 10	< 1	< 10	56	460
L7000N 1300E	201 202	5	< 0.01	1	580	40	< 2	1	5	< 0.01	< 10	< 10	1	< 10	78	630
L7000N 1350E	201 202	4	< 0.01	3	760	40	< 2	1	7	< 0.01	< 10	< 10	< 1	< 10	64	370
L7000N 1400E	201 202	8	< 0.01	19	1120	62	< 2	1	20	< 0.01	< 10	< 10	16	< 10	398	600
L7000N 1450E	201 202	6	< 0.01	6	720	32	< 2	1	7	< 0.01	< 10	< 10	7	< 10	130	290
L7000N 1500E	201 202	5	0.02	9	590	44	< 2	1	19	< 0.01	< 10	< 10	6	< 10	218	570
L7000N 1550E	201 202	3	< 0.01	3	770	32	< 2	1	9	< 0.01	< 10	< 10	1	< 10	104	360
L7000N 1600E	201 202	4	< 0.01	7	550	56	< 2	1	10	< 0.01	< 10	< 10	4	< 10	160	810
L7000N 1650E	201 202	4	0.01	4	600	30	< 2	1	9	< 0.01	< 10	< 10	2	< 10	84	460
L7000N 1700E	201 202	5	< 0.01	5	350	34	< 2	2	7	< 0.01	< 10	< 10	< 1	< 10	140	560
L7000N 1750E	201 202	7	< 0.01	4	480	40	< 2	1	11	< 0.01	< 10	< 10	< 1	< 10	104	610
L7000N 1850E	201 202	17	0.01	13	750	72	2	1	26	< 0.01	< 10	< 10	7	< 10	422	2360
L7000N 1950E	201 202	9	0.01	9	840	44	< 2	2	26	< 0.01	< 10	< 10	8	< 10	112	1420
L7000N 2050E	201 202	10	0.03	4	550	56	< 2	< 1	17	0.01	< 10	< 10	8	< 10	32	1350
L7000N 2150E	201 202	22	< 0.01	7	420	30	< 2	< 1	15	< 0.01	< 10	< 10	3	< 10	50	1280
L7000N 2250E	201 202	19	< 0.01	1	310	16	< 2	< 1	9	< 0.01	< 10	< 10	< 1	< 10	16	890
L7000N 2350E	201 202	20	< 0.01	4	360	16	< 2	< 1	17	0.01	< 10	< 10	6	< 10	18	880
L7000N 2400E	201 202	53	< 0.01	6	290	32	< 2	< 1	13	0.03	< 10	< 10	12	< 10	26	740
L7000N 2450E	201 202	24	< 0.01	5	490	32	< 2	< 1	16	0.01	< 10	< 10	9	< 10	28	680
L7000N 2500E	201 202	18	< 0.01	8	380	24	< 2	1	15	0.03	< 10	< 10	16	< 10	30	790

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Certificate Date: 30-SEP-1998
Invoice No. : I9831788
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831788

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L7000N 2550E	201	202	< 5	0.2	0.49	18	190	0.5	< 2	0.11	< 0.5	1	6	6	7.24	< 10	< 1	0.16	240	0.09	1470
L7000N 2600E	201	202	< 5	< 0.2	0.61	12	220	0.5	< 2	0.16	< 0.5	2	8	6	7.19	< 10	< 1	0.25	270	0.13	1790
L7000N 2650E	201	202	< 5	< 0.2	0.39	8	200	1.0	< 2	0.17	< 0.5	1	4	5	6.31	< 10	< 1	0.07	270	0.12	2770
L7000N 2700E	201	202	< 5	< 0.2	0.66	8	180	1.0	< 2	0.31	< 0.5	3	13	7	5.22	< 10	< 1	0.08	180	0.21	2270
L7000N 2750E	201	202	< 5	< 0.2	0.52	12	170	0.5	< 2	0.22	< 0.5	2	9	5	4.86	< 10	< 1	0.08	180	0.14	1875
L7000N 2800E	201	202	< 5	0.4	0.46	22	140	< 0.5	< 2	0.12	< 0.5	1	6	7	4.31	< 10	< 1	0.14	180	0.09	640
L7000N 2850E	201	202	< 5	< 0.2	0.74	22	90	0.5	< 2	0.08	< 0.5	3	13	8	4.16	< 10	< 1	0.07	150	0.13	740
L7000N 2900E	201	202	< 5	0.2	0.66	16	150	0.5	< 2	0.18	< 0.5	2	4	13	4.65	< 10	< 1	0.06	130	0.09	1870
L7000N 2950E	201	202	< 5	0.2	0.81	22	250	0.5	< 2	0.22	< 0.5	3	7	9	6.22	< 10	< 1	0.11	150	0.12	2370
L7000N 3000E	201	202	< 5	< 0.2	0.46	8	150	< 0.5	< 2	0.05	< 0.5	1	2	6	3.55	< 10	< 1	0.06	160	0.05	2050
SD98-20	201	202	< 5	0.2	0.23	28	90	0.5	< 2	0.29	2.5	6	1	13	2.03	< 10	< 1	0.10	60	0.03	700
JP98-20	201	202	< 5	< 0.2	0.37	40	50	0.5	< 2	0.38	1.5	4	1	9	1.95	< 10	< 1	0.11	140	0.06	1055

CERTIFICATION: _____

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

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Certificate Date: 30-SEP-1998
Invoice No. :I9831788
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Account :EIA

CERTIFICATE OF ANALYSIS A9831788

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
L7000N 2550E	201 202	21	< 0.01	5	450	18	< 2	1	13	0.01	< 10	< 10	8	< 10	26	750
L7000N 2600E	201 202	15	< 0.01	6	490	20	< 2	1	14	0.02	< 10	< 10	11	< 10	32	790
L7000N 2650E	201 202	14	< 0.01	4	420	2	< 2	1	13	0.01	< 10	< 10	6	< 10	36	560
L7000N 2700E	201 202	9	< 0.01	10	460	4	< 2	2	15	0.04	< 10	< 10	18	< 10	38	740
L7000N 2750E	201 202	11	< 0.01	6	400	8	< 2	1	11	0.02	< 10	< 10	12	< 10	30	810
L7000N 2800E	201 202	19	< 0.01	6	440	34	< 2	1	31	0.01	< 10	< 10	9	< 10	24	890
L7000N 2850E	201 202	11	< 0.01	8	450	16	< 2	1	15	0.03	< 10	< 10	18	< 10	34	740
L7000N 2900E	201 202	13	0.01	6	750	28	< 2	1	50	0.02	< 10	< 10	15	< 10	42	910
L7000N 2950E	201 202	16	< 0.01	8	830	18	< 2	1	20	0.01	< 10	< 10	11	< 10	52	880
L7000N 3000E	201 202	5	0.01	3	430	6	< 2	< 1	5	< 0.01	< 10	< 10	7	< 10	34	1240
SD98-20	201 202	8	< 0.01	19	930	32	< 2	1	30	< 0.01	< 10	< 10	11	< 10	360	760
UP98-20	201 202	5	< 0.01	19	600	36	< 2	1	13	< 0.01	< 10	< 10	3	< 10	302	580

CERTIFICATION: Stewart Buchan

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

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Total Pages :4
Certificate Date: 01-OCT-1998
Invoice No. :I9831820
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831820

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
18800E 4500N	201	202	< 5	< 0.2	2.40	10	240	0.5	< 2	0.88	< 0.5	119	294	149	8.12	< 10	2	0.13	40	1.57	2360
18800E 4550N	201	202	< 5	< 0.2	2.39	14	390	0.5	< 2	0.70	0.5	62	208	133	7.81	< 10	4	0.16	40	1.26	1040
18800E 4600N	201	202	< 5	< 0.2	2.40	< 2	400	0.5	< 2	0.65	< 0.5	57	198	115	7.38	< 10	4	0.17	40	1.27	1115
18800E 4650N	201	202	< 5	< 0.2	2.53	8	460	0.5	< 2	0.73	0.5	49	186	109	6.74	< 10	1	0.16	50	1.25	855
18800E 4700N	201	202	< 5	< 0.2	1.84	16	710	0.5	< 2	0.86	1.5	24	113	58	6.53	< 10	3	0.35	100	0.67	495
18800E 4750N	201	202	< 5	< 0.2	2.24	6	750	0.5	< 2	0.49	2.5	35	150	84	6.35	< 10	< 1	0.15	100	1.00	925
18800E 4800N	201	202	< 5	< 0.2	1.60	< 2	460	0.5	< 2	0.31	< 0.5	17	95	33	4.05	< 10	1	0.09	30	0.66	400
18800E 4850N	201	202	< 5	< 0.2	2.33	8	470	0.5	< 2	0.55	< 0.5	43	199	83	6.93	< 10	< 1	0.23	40	1.59	1015
18800E 4900N	201	202	< 5	0.6	1.58	72	740	< 0.5	< 2	0.25	< 0.5	29	156	56	8.06	< 10	2	0.39	70	0.87	690
18800E 4950N	201	202	< 5	0.2	1.64	12	450	< 0.5	< 2	0.36	< 0.5	24	164	49	6.12	< 10	< 1	0.57	60	1.18	490
18800E 5000N	201	202	< 5	< 0.2	2.39	10	540	0.5	< 2	0.35	< 0.5	20	177	38	5.39	< 10	< 1	0.34	70	1.27	485
18800E 5050N	201	202	< 5	0.2	1.58	26	440	0.5	< 2	0.16	< 0.5	18	115	37	6.06	< 10	1	0.30	70	0.79	495
18800E 5100N	201	202	< 5	< 0.2	1.23	30	170	1.0	< 2	0.13	0.5	13	21	27	3.23	< 10	1	0.13	40	0.18	535
18800E 5150N	201	202	< 5	< 0.2	0.81	< 2	210	< 0.5	< 2	0.06	< 0.5	8	59	15	2.68	< 10	< 1	0.13	10	0.40	160
18800E 5200N	201	202	< 5	< 0.2	1.07	14	340	< 0.5	< 2	0.04	< 0.5	10	50	24	4.69	< 10	< 1	0.16	40	0.31	300
18800E 5250N	201	202	< 5	0.2	1.11	18	520	< 0.5	< 2	0.08	< 0.5	15	60	27	5.52	< 10	< 1	0.22	60	0.42	375
18800E 5300N	201	202	< 5	< 0.2	0.76	12	190	< 0.5	< 2	0.03	< 0.5	6	25	17	3.32	< 10	< 1	0.11	20	0.07	125
18800E 5350N	201	202	< 5	0.6	0.83	18	270	< 0.5	< 2	0.06	< 0.5	7	36	23	4.66	< 10	< 1	0.14	30	0.13	190
18800E 5400N	201	202	< 5	< 0.2	0.97	26	390	< 0.5	< 2	0.03	< 0.5	4	27	24	5.54	< 10	< 1	0.13	30	0.09	85
18800E 5450N	201	202	< 5	0.2	0.85	24	310	< 0.5	< 2	0.02	< 0.5	6	25	22	4.75	< 10	< 1	0.19	40	0.11	135
18800E 5500N	201	202	< 5	< 0.2	0.76	16	250	< 0.5	< 2	0.02	< 0.5	6	20	21	3.44	< 10	< 1	0.11	30	0.06	90
20000E 5500N	201	202	< 5	0.2	0.76	22	260	0.5	< 2	0.05	0.5	6	17	18	5.35	< 10	< 1	0.07	70	0.13	425
20000E 5550N	201	202	< 5	0.2	0.57	48	240	< 0.5	< 2	0.06	< 0.5	3	10	22	6.31	< 10	< 1	0.07	70	0.05	250
20000E 5600N	201	202	< 5	< 0.2	0.57	48	230	< 0.5	< 2	0.06	0.5	3	10	22	6.31	< 10	< 1	0.07	70	0.05	285
20000E 5650N	201	202	< 5	< 0.2	0.87	38	540	1.5	< 2	0.15	< 0.5	4	14	20	6.95	< 10	< 1	0.07	230	0.13	920
20000E 5700N	201	202	< 5	0.2	0.51	12	170	< 0.5	< 2	0.04	< 0.5	3	7	13	2.77	< 10	< 1	0.04	40	0.04	155
20000E 5750N	201	202	< 5	< 0.2	0.61	22	130	< 0.5	< 2	0.01	< 0.5	4	8	14	4.50	< 10	1	0.04	40	0.04	305
20000E 5800N	201	202	< 5	0.2	0.70	24	190	1.0	< 2	0.08	1.5	9	12	32	5.23	< 10	< 1	0.05	140	0.18	795
20000E 5850N	201	202	< 5	0.2	1.37	22	200	0.5	< 2	0.06	< 0.5	10	25	19	5.09	< 10	1	0.05	30	0.24	805
20000E 5900N	201	202	< 5	< 0.2	0.86	10	200	0.5	< 2	0.05	< 0.5	5	13	17	4.34	< 10	1	0.06	50	0.08	635
20000E 5950N	201	202	< 5	< 0.2	0.84	18	180	0.5	< 2	0.06	1.0	8	20	15	4.22	< 10	< 1	0.07	40	0.20	1420
20000E 6000N	201	202	< 5	< 0.2	0.45	8	100	< 0.5	< 2	0.01	< 0.5	3	6	12	1.46	< 10	< 1	0.05	10	0.03	60
20300E 5500N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
20300E 5550N	201	202	< 5	0.2	0.48	22	40	0.5	< 2	0.01	1.5	5	5	27	5.13	< 10	< 1	0.06	120	0.04	360
20300E 5600N	201	202	< 5	0.8	0.74	26	100	1.0	< 2	0.01	2.0	7	8	37	5.69	< 10	< 1	0.07	110	0.08	665
20300E 5650N	201	202	< 5	0.4	0.38	54	90	1.5	< 2	0.05	5.5	5	5	53	6.09	< 10	< 1	0.05	120	0.07	350
20300E 5700N	201	202	< 5	0.6	0.69	36	80	0.5	< 2	0.04	< 0.5	5	11	21	5.24	< 10	< 1	0.06	70	0.12	360
20300E 5750N	201	202	< 5	0.4	0.75	14	90	< 0.5	< 2	0.01	< 0.5	5	11	19	4.10	< 10	< 1	0.05	60	0.10	385
20300E 5800N	201	202	< 5	0.2	0.70	12	80	< 0.5	< 2	0.10	< 0.5	5	11	30	2.90	< 10	< 1	0.07	10	0.17	90
20300E 5850N	201	202	< 5	0.4	0.57	8	50	< 0.5	< 2	0.01	< 0.5	2	6	14	1.76	< 10	< 1	0.05	< 10	0.06	50

CERTIFICATION:

Chemex Labs Ltd.

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VANCOUVER, BC
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Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Certificate Date: 01-OCT-1998
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SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
18800E 4500N	201	202	1	< 0.01	225	1070	2	< 2	19	76	0.26	< 10	< 10	72	< 10	86	1240
18800E 4550N	201	202	3	0.01	169	1550	52	< 2	13	70	0.22	< 10	< 10	74	< 10	224	1600
18800E 4600N	201	202	1	0.01	154	1350	32	< 2	13	70	0.23	< 10	< 10	75	< 10	160	1700
18800E 4650N	201	202	4	0.01	169	1220	36	< 2	13	45	0.12	< 10	< 10	65	< 10	236	1760
18800E 4700N	201	202	6	0.01	87	1020	66	< 2	8	43	0.11	< 10	< 10	48	< 10	374	1720
18800E 4750N	201	202	4	0.01	128	1120	36	< 2	10	35	0.10	< 10	< 10	50	< 10	530	2290
18800E 4800N	201	202	3	0.01	62	1080	18	< 2	3	20	0.04	< 10	< 10	38	< 10	112	1760
18800E 4850N	201	202	3	< 0.01	143	1200	36	< 2	9	44	0.20	< 10	< 10	61	< 10	136	1860
18800E 4900N	201	202	22	0.01	94	2070	42	4	7	139	0.14	< 10	< 10	91	< 10	90	2320
18800E 4950N	201	202	8	< 0.01	90	810	40	< 2	7	43	0.13	< 10	< 10	48	< 10	70	1730
18800E 5000N	201	202	9	0.02	90	1040	38	< 2	5	60	0.09	< 10	< 10	67	< 10	76	1400
18800E 5050N	201	202	11	0.01	65	1200	40	< 2	4	61	0.07	< 10	< 10	61	< 10	116	2190
18800E 5100N	201	202	6	< 0.01	33	1110	34	2	1	34	< 0.01	< 10	< 10	17	< 10	186	1290
18800E 5150N	201	202	4	0.02	30	590	20	< 2	< 1	14	0.02	< 10	< 10	24	< 10	38	1270
18800E 5200N	201	202	10	< 0.01	33	780	44	< 2	1	23	0.03	< 10	< 10	33	< 10	84	2720
18800E 5250N	201	202	10	0.01	47	920	52	2	3	36	0.05	< 10	< 10	36	< 10	102	2960
18800E 5300N	201	202	8	0.02	18	590	30	< 2	< 1	18	0.03	< 10	< 10	40	< 10	64	1990
18800E 5350N	201	202	17	< 0.01	25	970	44	< 2	< 1	20	0.03	< 10	< 10	49	< 10	88	2240
18800E 5400N	201	202	12	< 0.01	17	1140	50	< 2	< 1	26	0.01	< 10	< 10	48	< 10	104	2510
18800E 5450N	201	202	13	0.01	20	960	54	2	< 1	33	0.01	< 10	< 10	47	< 10	98	2320
18800E 5500N	201	202	9	0.01	19	840	36	2	< 1	19	0.01	< 10	< 10	43	< 10	80	2430
20000E 5500N	201	202	16	< 0.01	18	540	54	2	1	14	0.01	< 10	< 10	35	< 10	238	2290
20000E 5550N	201	202	22	< 0.01	15	690	36	4	< 1	10	0.01	< 10	< 10	34	< 10	436	2890
20000E 5600N	201	202	22	< 0.01	15	710	38	4	< 1	10	0.01	< 10	< 10	33	< 10	438	2690
20000E 5650N	201	202	18	< 0.01	17	710	62	2	1	17	< 0.01	< 10	< 10	14	< 10	382	3640
20000E 5700N	201	202	8	0.01	10	670	24	2	< 1	8	< 0.01	< 10	< 10	20	< 10	128	2510
20000E 5750N	201	202	13	< 0.01	10	800	36	2	< 1	9	< 0.01	< 10	< 10	18	< 10	198	2790
20000E 5800N	201	202	12	< 0.01	30	590	36	< 2	3	20	0.01	< 10	< 10	25	< 10	378	2140
20000E 5850N	201	202	8	< 0.01	26	520	42	2	1	17	0.01	< 10	< 10	35	< 10	246	2250
20000E 5900N	201	202	12	0.01	14	860	32	< 2	< 1	11	< 0.01	< 10	< 10	22	< 10	202	1900
20000E 5950N	201	202	10	< 0.01	19	870	36	2	< 1	12	0.02	< 10	< 10	33	< 10	248	1970
20000E 6000N	201	202	4	< 0.01	10	410	10	2	< 1	7	< 0.01	< 10	< 10	32	< 10	80	1890
20300E 5500N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
20300E 5550N	201	202	24	< 0.01	27	650	42	4	1	5	< 0.01	< 10	< 10	25	< 10	938	1270
20300E 5600N	201	202	27	< 0.01	35	670	42	6	2	7	< 0.01	< 10	< 10	35	< 10	810	1500
20300E 5650N	201	202	34	< 0.01	53	900	48	10	2	9	< 0.01	< 10	< 10	31	< 10	1050	1400
20300E 5700N	201	202	16	< 0.01	27	1050	40	2	1	13	< 0.01	< 10	< 10	30	< 10	484	1570
20300E 5750N	201	202	10	< 0.01	22	700	30	< 2	1	8	< 0.01	< 10	< 10	29	< 10	274	1650
20300E 5800N	201	202	5	< 0.01	28	1260	22	< 2	1	27	< 0.01	< 10	< 10	30	< 10	174	2010
20300E 5850N	201	202	4	< 0.01	13	730	12	< 2	< 1	6	< 0.01	< 10	< 10	27	< 10	92	1700

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Certificate Date: 01-OCT-1998
Invoice No. :19831820
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831820

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
20300E 5900N	201 202	< 5	1.4	1.10	8	150	0.5	< 2	0.15	0.5	51	15	73	7.94	< 10	< 1	0.07	50	0.09	520
20300E 5950N	201 202	< 5	0.2	0.85	16	660	0.5	< 2	0.12	0.5	3	11	21	2.53	< 10	< 1	0.06	40	0.22	110
20300E 6000N	201 202	< 5	0.2	0.67	16	450	< 0.5	< 2	0.19	1.0	17	9	49	2.67	< 10	< 1	0.08	10	0.24	340
21500E 4500N	201 202	< 5	< 0.2	0.94	8	330	0.5	< 2	0.37	< 0.5	16	11	27	5.27	< 10	< 1	0.18	90	0.19	1600
21500E 4550N	201 202	< 5	< 0.2	0.76	10	330	0.5	< 2	0.34	0.5	20	6	27	4.97	< 10	< 1	0.16	100	0.14	1665
21500E 4600N	201 202	< 5	< 0.2	0.54	38	360	1.0	< 2	0.34	1.0	29	2	47	5.66	< 10	< 1	0.14	170	0.11	1605
21500E 4650N	201 202	< 5	< 0.2	0.69	16	210	1.0	< 2	0.18	0.5	11	8	20	5.38	< 10	< 1	0.05	100	0.22	1975
21500E 4700N	201 202	< 5	< 0.2	0.61	8	210	1.0	< 2	0.17	< 0.5	14	11	24	4.56	< 10	< 1	0.05	120	0.18	1390
21500E 4750N	201 202	< 5	< 0.2	0.62	32	250	1.5	< 2	0.20	0.5	14	12	25	5.51	< 10	< 1	0.05	150	0.19	2040
21500E 4800N	201 202	< 5	< 0.2	0.50	30	140	1.5	< 2	0.19	1.0	6	5	23	5.67	< 10	< 1	0.07	110	0.13	805
21500E 4850N	201 202	< 5	< 0.2	0.93	8	230	1.5	< 2	0.24	< 0.5	6	7	17	4.86	< 10	< 1	0.12	100	0.13	575
21500E 4900N	201 202	< 5	< 0.2	1.13	8	180	0.5	< 2	0.08	< 0.5	8	8	14	4.32	< 10	< 1	0.11	60	0.09	1000
21500E 4950N	201 202	< 5	< 0.2	0.91	8	120	0.5	< 2	0.07	< 0.5	7	7	14	3.46	< 10	< 1	0.07	80	0.12	1125
21500E 5050N	201 202	< 5	< 0.2	0.85	28	230	1.0	< 2	0.18	1.0	9	13	24	6.09	< 10	1	0.08	160	0.21	1650
21500E 5100N	201 202	< 5	< 0.2	0.29	40	90	0.5	< 2	0.44	0.5	5	1	15	6.29	< 10	< 1	0.06	260	0.30	870
21500E 5150N	201 202	< 5	< 0.2	0.51	22	100	1.0	< 2	0.22	0.5	6	4	16	6.05	< 10	< 1	0.08	220	0.17	1065
21500E 5200N	201 202	< 5	< 0.2	0.55	24	60	0.5	< 2	0.03	< 0.5	4	8	15	4.39	< 10	< 1	0.05	180	0.10	475
21500E 5250N	201 202	< 5	< 0.2	0.60	14	290	1.0	< 2	0.16	< 0.5	6	3	13	4.92	< 10	< 1	0.07	190	0.17	955
21500E 5300N	201 202	< 5	< 0.2	0.45	8	410	1.0	< 2	0.17	< 0.5	5	2	12	4.98	< 10	< 1	0.08	180	0.11	1005
21500E 5350N	201 202	< 5	< 0.2	0.61	18	200	1.5	< 2	0.13	0.5	5	3	17	4.74	< 10	< 1	0.06	140	0.11	755
21500E 5400N	201 202	< 5	0.2	0.68	26	140	1.5	< 2	0.14	0.5	4	5	15	4.29	< 10	1	0.05	160	0.12	695
21500E 5450N	201 202	< 5	< 0.2	0.95	14	120	0.5	< 2	0.11	< 0.5	4	8	12	3.02	< 10	< 1	0.05	70	0.13	275
21500E 5500N	201 202	< 5	0.2	0.38	18	1000	0.5	< 2	0.08	0.5	7	5	33	3.33	< 10	< 1	0.08	70	0.05	290
22100E 4500N	201 202	< 5	0.2	0.54	22	190	0.5	< 2	0.17	3.5	11	6	23	3.97	< 10	< 1	0.06	140	0.12	1155
22100E 4550N	201 202	< 5	0.6	0.68	30	140	0.5	< 2	0.08	6.0	9	6	28	3.55	< 10	< 1	0.06	130	0.13	1025
22100E 4600N	201 202	< 5	0.6	1.07	24	180	1.0	< 2	0.09	5.5	12	9	25	4.47	< 10	< 1	0.05	210	0.26	2220
22100E 4650N	201 202	< 5	0.4	1.08	22	240	1.0	< 2	0.27	1.5	9	7	20	4.85	< 10	< 1	0.05	240	0.20	1695
22100E 4700N	201 202	< 5	< 0.2	0.84	8	170	0.5	< 2	0.11	0.5	6	10	13	3.04	< 10	< 1	0.10	40	0.11	990
22100E 4750N	201 202	< 5	< 0.2	1.04	20	190	1.0	< 2	0.13	< 0.5	6	10	15	3.99	< 10	< 1	0.11	110	0.17	1155
22100E 4800N	201 202	< 5	0.2	0.61	12	160	0.5	< 2	0.14	2.0	9	8	17	3.28	< 10	< 1	0.09	100	0.14	1240
22100E 4850N	201 202	< 5	< 0.2	1.17	16	180	1.0	< 2	0.32	0.5	16	12	31	5.01	< 10	< 1	0.07	160	0.32	1175
22100E 4900N	201 202	< 5	< 0.2	0.64	2	380	1.5	< 2	0.60	< 0.5	1	4	8	2.88	< 10	< 1	0.10	210	0.08	385
22100E 4950N	201 202	< 5	< 0.2	0.65	12	200	0.5	< 2	0.25	< 0.5	6	10	13	3.34	< 10	< 1	0.04	150	0.14	525
22100E 5000N	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
22100E 5050N	201 202	< 5	< 0.2	0.78	14	190	1.5	< 2	0.13	< 0.5	4	4	8	4.69	< 10	< 1	0.05	110	0.19	1580
22100E 5100N	201 202	< 5	< 0.2	0.74	< 2	240	2.0	< 2	0.34	< 0.5	4	6	10	3.85	< 10	< 1	0.06	90	0.14	645
22100E 5150N	201 202	< 5	< 0.2	0.57	10	170	1.5	< 2	0.17	< 0.5	6	7	9	4.57	< 10	1	0.06	110	0.12	1110
22100E 5200N	201 202	< 5	< 0.2	0.84	24	100	0.5	< 2	0.05	< 0.5	5	17	16	4.71	< 10	1	0.11	50	0.14	355
22100E 5250N	201 202	< 5	0.2	0.37	8	70	< 0.5	< 2	0.04	< 0.5	3	5	10	3.22	< 10	< 1	0.08	70	0.03	115
22100E 5300N	201 202	< 5	< 0.2	0.49	18	210	0.5	< 2	0.13	< 0.5	5	8	12	3.60	< 10	< 1	0.07	120	0.08	1355

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Certificate Date: 01-OCT-1998
Invoice No. : I9831820
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831820

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
20300E 5900N	201	202	6	< 0.01	79	1370	30	8	4	14	< 0.01	< 10	< 10	22	< 10	306	1310
20300E 5950N	201	202	6	< 0.01	30	480	18	< 2	1	17	< 0.01	< 10	< 10	29	< 10	264	2230
20300E 6000N	201	202	4	< 0.01	48	920	24	< 2	2	39	< 0.01	< 10	< 10	22	< 10	294	2290
21500E 4500N	201	202	9	0.01	27	1090	26	< 2	3	34	0.01	< 10	< 10	19	< 10	178	2320
21500E 4550N	201	202	10	0.02	32	1020	40	2	3	40	< 0.01	< 10	< 10	8	< 10	302	1900
21500E 4600N	201	202	13	0.05	90	760	64	6	3	94	< 0.01	< 10	< 10	4	< 10	374	3650
21500E 4650N	201	202	14	0.01	25	490	22	< 2	1	19	0.01	< 10	< 10	21	< 10	150	1860
21500E 4700N	201	202	12	0.01	44	400	26	2	2	21	< 0.01	< 10	< 10	6	< 10	178	2710
21500E 4750N	201	202	13	< 0.01	42	420	36	2	3	21	< 0.01	< 10	< 10	6	< 10	230	1910
21500E 4800N	201	202	20	< 0.01	11	500	92	< 2	1	17	< 0.01	< 10	< 10	4	< 10	372	1540
21500E 4850N	201	202	12	0.01	10	740	52	2	1	18	< 0.01	< 10	< 10	8	< 10	134	1590
21500E 4900N	201	202	8	< 0.01	12	870	18	< 2	1	9	< 0.01	< 10	< 10	11	< 10	96	1420
21500E 4950N	201	202	6	0.02	10	660	22	< 2	1	8	< 0.01	< 10	< 10	12	< 10	82	1290
21500E 5050N	201	202	11	0.01	22	460	62	< 2	3	18	< 0.01	< 10	< 10	8	< 10	312	1700
21500E 5100N	201	202	23	< 0.01	9	280	48	2	1	14	< 0.01	< 10	< 10	7	< 10	136	890
21500E 5150N	201	202	19	< 0.01	15	360	78	2	1	19	< 0.01	< 10	< 10	7	< 10	200	1150
21500E 5200N	201	202	14	< 0.01	11	510	36	2	< 1	11	0.01	< 10	< 10	17	< 10	124	870
21500E 5250N	201	202	14	< 0.01	10	390	40	< 2	1	15	< 0.01	< 10	< 10	4	< 10	112	1890
21500E 5300N	201	202	17	0.01	10	430	62	< 2	1	20	< 0.01	< 10	< 10	4	< 10	106	2660
21500E 5350N	201	202	16	< 0.01	11	450	52	2	1	13	< 0.01	< 10	< 10	9	< 10	176	1900
21500E 5400N	201	202	17	< 0.01	13	580	32	< 2	1	12	< 0.01	< 10	< 10	18	< 10	210	1450
21500E 5450N	201	202	8	0.02	11	820	24	< 2	1	12	< 0.01	< 10	< 10	25	< 10	108	950
21500E 5500N	201	202	12	< 0.01	30	750	30	< 2	1	37	< 0.01	< 10	< 10	21	< 10	224	2920
22100E 4500N	201	202	11	0.01	43	580	42	2	1	24	< 0.01	< 10	< 10	10	< 10	420	2700
22100E 4550N	201	202	11	0.02	42	600	38	2	1	24	< 0.01	< 10	< 10	15	< 10	418	2460
22100E 4600N	201	202	10	0.01	36	650	34	< 2	1	14	< 0.01	< 10	< 10	13	< 10	380	2230
22100E 4650N	201	202	10	0.01	28	920	36	< 2	1	19	< 0.01	< 10	< 10	11	< 10	202	2080
22100E 4700N	201	202	6	< 0.01	14	680	16	< 2	< 1	10	< 0.01	< 10	< 10	14	< 10	188	1490
22100E 4750N	201	202	9	< 0.01	20	570	36	< 2	1	13	< 0.01	< 10	< 10	11	< 10	342	1750
22100E 4800N	201	202	8	< 0.01	24	490	24	< 2	1	16	< 0.01	< 10	< 10	10	< 10	320	2210
22100E 4850N	201	202	11	0.01	42	560	60	2	3	17	< 0.01	< 10	< 10	7	< 10	214	1860
22100E 4900N	201	202	8	< 0.01	7	530	12	< 2	1	12	< 0.01	< 10	< 10	3	< 10	80	2380
22100E 4950N	201	202	11	< 0.01	18	490	24	< 2	1	14	< 0.01	< 10	< 10	10	< 10	96	1990
22100E 5000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
22100E 5050N	201	202	6	< 0.01	6	390	6	< 2	1	8	< 0.01	< 10	< 10	4	< 10	62	1310
22100E 5100N	201	202	6	< 0.01	7	600	< 2	< 2	1	11	< 0.01	< 10	< 10	6	< 10	36	2080
22100E 5150N	201	202	16	< 0.01	10	620	6	< 2	1	9	< 0.01	< 10	< 10	6	< 10	68	2000
22100E 5200N	201	202	10	< 0.01	16	640	22	2	1	19	0.01	< 10	< 10	22	< 10	92	1040
22100E 5250N	201	202	17	< 0.01	8	1320	14	< 2	< 1	5	< 0.01	< 10	< 10	12	< 10	72	740
22100E 5300N	201	202	11	< 0.01	13	780	18	< 2	< 1	10	< 0.01	< 10	< 10	13	< 10	78	1100

CERTIFICATION: _____

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CERTIFICATE OF ANALYSIS A9831820

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
22100E 5350N	201 202	< 5	0.2	0.51	48	80	1.0	< 2	0.01	< 0.5	1	6	10	3.49	< 10	< 1	0.11	160	0.07	365
22100E 5400N	201 202	< 5	0.2	0.57	50	60	1.5	< 2	0.02	< 0.5	1	3	12	7.10	< 10	1	0.09	160	0.06	890
22100E 5450N	201 202	< 5	0.6	0.40	16	120	0.5	< 2	0.13	< 0.5	3	4	8	5.13	< 10	< 1	0.09	100	0.06	525
22100E 5500N	201 202	< 5	0.6	0.49	48	100	0.5	< 2	0.02	< 0.5	4	4	18	5.74	< 10	< 1	0.15	50	0.03	250
22500E 4500N	201 202	< 5	0.8	1.24	44	700	0.5	< 2	0.39	16.0	48	53	81	6.18	< 10	1	0.06	50	0.37	1975
22500E 4550N	201 202	< 5	0.8	1.28	30	690	0.5	< 2	0.37	11.5	39	55	70	5.71	< 10	< 1	0.06	50	0.47	1945
22500E 4600N	201 202	< 5	0.4	1.22	22	900	0.5	< 2	0.45	9.0	41	42	71	5.21	< 10	< 1	0.05	40	0.53	1490
22500E 4650N	201 202	< 5	0.6	1.56	38	810	0.5	< 2	0.38	6.5	33	49	65	5.33	< 10	< 1	0.08	50	0.68	1540
22500E 4700N	201 202	< 5	0.2	1.48	14	270	0.5	< 2	0.43	< 0.5	9	27	26	3.77	< 10	< 1	0.07	50	0.45	375
22500E 4750N	201 202	< 5	0.6	1.53	28	390	1.0	< 2	0.36	0.5	15	24	33	4.65	< 10	< 1	0.11	70	0.45	765
22500E 4800N	201 202	< 5	0.2	1.34	30	270	0.5	< 2	0.36	0.5	15	19	30	4.42	< 10	4	0.08	70	0.50	760
22500E 4850N	201 202	< 5	< 0.2	1.26	24	480	1.0	< 2	0.50	0.5	12	21	23	3.95	< 10	< 1	0.08	70	0.35	520
22500E 4900N	201 202	< 5	0.2	0.64	30	260	0.5	< 2	0.21	2.0	9	6	23	4.00	< 10	< 1	0.11	110	0.13	825
22500E 4950N	201 202	< 5	< 0.2	0.73	8	330	0.5	< 2	0.21	1.0	7	6	17	3.67	< 10	1	0.07	120	0.11	735
22500E 5000N	201 202	< 5	< 0.2	0.31	22	740	0.5	< 2	0.07	< 0.5	2	< 1	8	5.62	< 10	2	0.06	90	0.03	680
22500E 5050N	201 202	< 5	< 0.2	0.63	12	50	< 0.5	< 2	0.04	0.5	3	3	14	8.28	< 10	< 1	0.04	110	0.03	985
22500E 5100N	201 202	< 5	< 0.2	0.70	16	250	0.5	< 2	0.12	1.5	9	5	19	3.86	< 10	< 1	0.09	120	0.13	1025
22500E 5150N	201 202	< 5	< 0.2	1.27	8	200	2.0	< 2	0.05	0.5	5	8	12	5.32	< 10	1	0.05	310	0.10	750
22500E 5200N	201 202	< 5	< 0.2	0.72	4	440	0.5	< 2	0.14	< 0.5	4	7	14	3.38	< 10	< 1	0.07	100	0.07	515
22500E 5250N	201 202	< 5	< 0.2	0.70	14	60	1.5	< 2	0.02	< 0.5	3	7	15	4.29	< 10	< 1	0.07	260	0.11	885
22500E 5300N	201 202	< 5	< 0.2	1.08	32	80	0.5	< 2	0.03	0.5	7	20	19	4.24	< 10	< 1	0.07	90	0.24	695
22500E 5350N	201 202	< 5	< 0.2	0.72	18	200	1.0	< 2	0.12	0.5	6	7	14	4.47	< 10	< 1	0.06	150	0.16	1115
22500E 5375N	201 202	< 5	< 0.2	0.87	10	150	1.5	< 2	0.08	< 0.5	3	6	12	4.11	< 10	< 1	0.09	130	0.18	1145
23000E 4500N	201 202	< 5	0.6	1.36	24	1340	0.5	< 2	0.54	8.5	17	46	36	4.50	< 10	< 1	0.12	60	0.30	1070
23000E 4550N	201 202	< 5	0.2	1.43	10	680	0.5	< 2	0.35	4.5	21	39	32	4.70	< 10	2	0.06	60	0.38	1605
23000E 4600N	201 202	< 5	1.0	0.77	12	380	0.5	< 2	0.31	4.0	12	12	27	3.57	< 10	< 1	0.09	40	0.15	705
23000E 4650N	201 202	< 5	1.6	0.55	38	450	0.5	< 2	0.33	4.0	15	14	40	3.54	< 10	2	0.19	40	0.10	495
23000E 4700N	201 202	< 5	< 0.2	0.91	30	440	2.0	< 2	0.18	2.0	19	8	32	5.30	< 10	2	0.23	220	0.12	2250
23000E 4750N	201 202	< 5	0.2	0.78	42	530	2.0	< 2	0.23	4.0	24	3	29	4.49	< 10	1	0.22	90	0.07	2920
23000E 4800N	201 202	< 5	< 0.2	0.64	8	190	0.5	< 2	0.23	< 0.5	5	3	12	4.29	< 10	3	0.06	180	0.11	1450
23000E 4850N	201 202	< 5	< 0.2	1.04	16	210	1.0	< 2	0.45	2.0	9	14	22	4.63	< 10	1	0.06	120	0.20	925
23000E 4900N	201 202	< 5	0.6	0.98	18	230	1.0	< 2	0.10	0.5	5	9	12	4.30	< 10	< 1	0.06	80	0.25	955
23000E 4950N	201 202	< 5	< 0.2	0.24	16	120	0.5	< 2	0.11	0.5	5	< 1	9	5.17	< 10	< 1	0.04	100	0.08	810
23000E 5000N	201 202	< 5	< 0.2	0.48	46	250	1.5	< 2	0.15	1.5	1	3	8	6.44	< 10	1	0.08	140	0.06	1400
23000E 5050N	201 202	< 5	0.2	0.57	42	110	< 0.5	< 2	< 0.01	< 0.5	1	4	21	11.70	< 10	2	0.73	200	0.06	335
23000E 5100N	201 202	< 5	< 0.2	0.65	28	210	1.5	< 2	0.29	< 0.5	6	1	12	7.46	< 10	< 1	0.31	220	0.09	2370
23000E 5150N	201 202	< 5	< 0.2	0.66	42	240	0.5	< 2	0.01	< 0.5	6	5	21	9.82	< 10	2	0.50	200	0.06	980
23000E 5200N	201 202	< 5	< 0.2	0.57	20	280	0.5	< 2	0.21	< 0.5	4	3	13	7.25	< 10	3	0.35	190	0.05	740
23000E 5250N	201 202	< 5	< 0.2	0.79	26	330	0.5	< 2	0.14	< 0.5	5	1	17	8.06	< 10	2	0.37	260	0.06	1050
23000E 5300N	201 202	< 5	< 0.2	0.64	8	340	1.0	< 2	0.20	< 0.5	4	< 1	20	9.77	< 10	1	0.34	400	0.06	1610

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Certificate Date: 01-OCT-1998
Invoice No. :I9831820
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831820

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
22100E 5350N	201 202	12	< 0.01	10	220	36	< 2	< 1	10	< 0.01	< 10	< 10	11	< 10	116	640
22100E 5400N	201 202	27	< 0.01	9	290	64	4	< 1	7	< 0.01	< 10	< 10	17	< 10	46	720
22100E 5450N	201 202	13	< 0.01	10	1200	22	4	< 1	9	< 0.01	< 10	< 10	12	< 10	64	700
22100E 5500N	201 202	23	< 0.01	19	1440	66	8	< 1	17	< 0.01	< 10	< 10	52	< 10	174	490
22500E 4500N	201 202	10	0.01	139	1130	36	2	10	36	< 0.01	< 10	< 10	68	< 10	996	7280
22500E 4550N	201 202	8	0.01	111	1160	30	6	11	31	< 0.01	< 10	< 10	56	< 10	746	5820
22500E 4600N	201 202	7	< 0.01	101	1310	30	< 2	8	36	< 0.01	< 10	< 10	47	< 10	672	7400
22500E 4650N	201 202	7	0.01	96	1030	32	2	9	29	< 0.01	< 10	< 10	48	< 10	658	5580
22500E 4700N	201 202	4	0.01	38	920	20	< 2	3	27	< 0.01	< 10	< 10	27	< 10	224	1400
22500E 4750N	201 202	6	< 0.01	51	680	36	4	4	30	< 0.01	< 10	< 10	22	< 10	350	2230
22500E 4800N	201 202	7	< 0.01	48	620	28	6	2	24	< 0.01	< 10	< 10	20	< 10	274	2040
22500E 4850N	201 202	8	< 0.01	46	850	26	2	3	29	< 0.01	< 10	< 10	19	< 10	338	2140
22500E 4900N	201 202	14	< 0.01	30	570	54	2	1	28	< 0.01	< 10	< 10	9	< 10	484	2430
22500E 4950N	201 202	14	< 0.01	24	510	40	4	1	18	< 0.01	< 10	< 10	9	< 10	392	2200
22500E 5000N	201 202	10	< 0.01	4	290	46	2	< 1	9	< 0.01	< 10	< 10	2	< 10	64	1940
22500E 5050N	201 202	15	< 0.01	6	1030	86	< 2	1	8	< 0.01	< 10	< 10	6	< 10	132	1040
22500E 5100N	201 202	12	< 0.01	27	370	34	< 2	1	16	< 0.01	< 10	< 10	8	< 10	358	2580
22500E 5150N	201 202	15	< 0.01	17	510	42	< 2	2	13	< 0.01	< 10	< 10	10	< 10	412	1700
22500E 5200N	201 202	13	< 0.01	15	630	22	< 2	< 1	13	< 0.01	< 10	< 10	19	< 10	184	1870
22500E 5250N	201 202	13	< 0.01	13	400	32	2	< 1	9	< 0.01	< 10	< 10	16	< 10	204	940
22500E 5300N	201 202	11	< 0.01	21	450	32	2	< 1	8	< 0.01	< 10	< 10	27	< 10	200	1100
22500E 5350N	201 202	11	< 0.01	18	450	30	< 2	1	12	< 0.01	< 10	< 10	8	< 10	216	1910
22500E 5375N	201 202	9	< 0.01	11	370	24	< 2	1	11	< 0.01	< 10	< 10	9	< 10	152	1100
23000E 4500N	201 202	9	< 0.01	77	1170	32	6	6	28	< 0.01	< 10	< 10	48	< 10	644	3210
23000E 4550N	201 202	5	< 0.01	58	1420	32	2	4	17	< 0.01	< 10	< 10	28	< 10	394	2390
23000E 4600N	201 202	8	0.01	47	770	70	2	3	27	< 0.01	< 10	< 10	20	< 10	482	1710
23000E 4650N	201 202	11	< 0.01	77	760	174	6	4	63	< 0.01	< 10	< 10	19	< 10	680	2240
23000E 4700N	201 202	25	< 0.01	43	810	38	2	1	19	< 0.01	< 10	< 10	11	< 10	222	1560
23000E 4750N	201 202	19	< 0.01	56	520	58	< 2	1	50	< 0.01	< 10	< 10	4	< 10	326	1620
23000E 4800N	201 202	7	< 0.01	18	400	30	2	< 1	16	< 0.01	< 10	< 10	4	< 10	110	1570
23000E 4850N	201 202	14	< 0.01	31	780	60	< 2	3	19	< 0.01	< 10	< 10	12	< 10	360	1340
23000E 4900N	201 202	10	< 0.01	14	390	38	2	1	12	< 0.01	< 10	< 10	10	< 10	198	1370
23000E 4950N	201 202	12	< 0.01	4	250	56	< 2	< 1	14	< 0.01	< 10	< 10	1	< 10	508	1000
23000E 5000N	201 202	22	< 0.01	5	440	136	< 2	1	12	< 0.01	< 10	< 10	3	< 10	1580	1850
23000E 5050N	201 202	19	< 0.01	6	1800	98	2	1	46	< 0.01	< 10	< 10	6	< 10	338	1270
23000E 5100N	201 202	18	< 0.01	3	490	46	< 2	1	26	< 0.01	< 10	< 10	2	< 10	250	1170
23000E 5150N	201 202	17	0.01	6	1370	82	2	2	35	< 0.01	< 10	< 10	7	< 10	306	1190
23000E 5200N	201 202	16	< 0.01	4	960	62	< 2	< 1	27	< 0.01	< 10	< 10	5	< 10	356	1210
23000E 5250N	201 202	17	0.02	6	820	98	2	1	27	< 0.01	< 10	< 10	4	< 10	478	1160
23000E 5300N	201 202	21	< 0.01	5	780	130	< 2	2	29	< 0.01	< 10	< 10	3	< 10	472	1200

CERTIFICATION: Hawthwaite

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Certificate Date: 01-OCT-1998
Invoice No. :I9831820
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831820

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
23000E 5350N	201	202	< 5	< 0.2	0.64	24	200	1.0	< 2	0.05	< 0.5	3	1	14	7.87	< 10	< 1	0.20	200	0.05	1380
23000E 5400N	201	202	< 5	< 0.2	0.49	18	230	1.0	< 2	0.07	< 0.5	3	< 1	13	8.32	< 10	< 1	0.22	210	0.05	1450
23000E 5450N	201	202	< 5	< 0.2	0.47	22	260	1.0	< 2	0.08	0.5	4	< 1	14	8.00	< 10	< 1	0.20	200	0.06	1385
23000E 5500N	201	202	< 5	0.4	0.12	10	180	< 0.5	< 2	0.09	< 0.5	< 1	< 1	2	14.40	< 10	1	0.16	20	0.02	125
GJW98-4	201	202	< 5	0.2	0.90	10	40	< 0.5	< 2	< 0.01	< 0.5	4	3	42	>15.00	< 10	1	0.04	70	0.03	230
GJW-98-5	201	202	< 5	0.2	1.05	22	300	0.5	< 2	1.13	4.0	12	23	30	3.72	< 10	2	0.07	50	0.84	885
JW98-13	201	202	< 5	< 0.2	0.46	20	240	0.5	< 2	3.72	0.5	5	13	16	3.99	< 10	< 1	0.04	120	2.29	1360
JW98-20	201	202	< 5	< 0.2	0.54	18	150	0.5	< 2	0.29	1.0	7	13	16	4.46	< 10	3	0.05	150	0.25	1125
MT11-98																					

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA/P. LECOUTEUR

Certificate Date: 01-OCT-1998
Invoice No. : I9831820
P.O. Number : PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831820

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
23000E 5350N	201	202	20	0.01	4	710	102	< 2	1	18	< 0.01	< 10	< 10	4	< 10	280	1250
23000E 5400N	201	202	21	< 0.01	3	580	86	< 2	1	21	< 0.01	< 10	< 10	2	< 10	264	1560
23000E 5450N	201	202	21	< 0.01	3	540	76	< 2	1	22	< 0.01	< 10	< 10	2	< 10	270	1660
23000E 5500N	201	202	5	< 0.01	47	3150	36	< 2	3	138	< 0.01	< 10	< 10	19	< 10	154	1170
GJW98-4	201	202	29	< 0.01	3	560	14	< 2	< 1	3	< 0.01	< 10	< 10	3	< 10	28	630
GJW-98-5	201	202	32	< 0.01	12	570	42	< 2	1	3	< 0.01	< 10	10	12	< 10	162	1090
JW98-13	201	202	3	< 0.01	45	910	24	< 2	3	52	0.02	< 10	< 10	26	< 10	434	2350
JW98-20	201	202	8	< 0.01	19	420	34	2	1	38	0.01	< 10	< 10	11	< 10	174	1830
MT11-98	201	202	11	< 0.01	18	460	22	< 2	1	16	< 0.01	< 10	< 10	9	< 10	202	1500

CERTIFICATION: _____

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J. WEBER CC:VIC TANAKA

Page Number :1-A
Total Pages :1
Certificate Date: 25-SEP-1998
Invoice No. :I9831067
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9831067

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
SD 98-15	201	202	< 5	< 0.2	2.12	22	100	1.5	< 2	0.20	2.0	22	49	163	>15.00	10	< 1	0.07	90	0.69	630
JP 98-11	201	202	< 5	0.6	0.83	12	590	< 0.5	< 2	0.32	2.0	11	18	35	3.38	< 10	< 1	0.10	30	0.32	1680
JK 98-3	201	202	< 5	0.4	0.62	6	320	0.5	< 2	0.99	4.5	5	12	21	1.75	< 10	< 1	0.07	60	0.16	195
MT 98-02	201	202	< 5	0.2	1.02	6	340	< 0.5	< 2	3.51	1.0	12	50	33	2.52	< 10	< 1	0.06	10	2.64	410
MT 98-09	201	202	< 5	0.4	1.14	6	510	0.5	< 2	0.69	1.0	9	31	29	2.57	< 10	< 1	0.08	40	0.40	305
MT 98-10	201	202	< 5	0.6	3.03	10	220	2.0	< 2	0.16	3.0	20	18	71	4.26	< 10	< 1	0.09	60	0.25	470

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN:J. WEBER CC:VIC TANAKA

Page Number :1-B
Total Pages :1
Certificate Date: 25-SEP-1998
Invoice No. : I9831067
P.O. Number :PTH98-01
Account : EIA

CERTIFICATE OF ANALYSIS A9831067

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ba ppm
SD 98-15	201	202	12	< 0.01	47	500	24	< 2	5	25	0.04	< 10	< 10	28	< 10	2540	710
JP 98-11	201	202	4	< 0.01	51	690	16	< 2	2	25	< 0.01	< 10	< 10	19	< 10	260	3090
JK 98-3	201	202	3	< 0.01	23	630	16	< 2	1	41	0.01	< 10	< 10	12	< 10	238	2820
MT 98-02	201	202	15	< 0.01	67	720	16	< 2	4	75	0.08	< 10	< 10	52	< 10	98	1710
MT 98-09	201	202	3	0.01	34	870	18	< 2	3	75	0.03	< 10	< 10	29	< 10	146	1930
MT 98-10	201	202	7	< 0.01	79	960	26	< 2	4	75	< 0.01	< 10	< 10	30	< 10	624	2940

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER/M. BAKNES CC: VIC TANAKA

Page Number :1-A
Total Pages :1
Certificate Date: 16-SEP-1998
Invoice No. :I9830670
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9830670

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
JK98-02	201	202	< 5	8530	0.6	0.64	24	1340	0.5	2	0.10	3.5	32	17	55	3.55	< 10	< 1	0.09	20	0.15
JP98-09	201	202	< 5	4150	1.2	0.08	6	720	< 0.5	< 2	11.75	0.5	3	1	1	2.90	< 10	< 1	0.01	< 10	7.20
JP98-10	201	202	< 5	2870	< 0.2	0.54	14	490	0.5	< 2	5.07	1.0	19	23	24	3.48	< 10	< 1	0.05	10	2.77
RH98-03	201	202	< 5	3800	0.6	0.38	22	640	< 0.5	< 2	0.28	0.5	9	13	40	2.71	< 10	< 1	0.06	10	0.16
RH98-04	201	202	< 5	2630	0.2	0.86	14	520	0.5	2	0.64	2.5	10	22	28	2.72	< 10	< 1	0.09	40	0.36
RH98-05	201	202	< 5	3170	0.8	0.77	18	750	< 0.5	2	0.81	< 0.5	10	26	33	2.92	< 10	< 1	0.08	30	0.42
SD98-05	201	202	< 5	1990	1.6	0.28	20	410	< 0.5	< 2	4.44	3.5	9	10	56	2.03	< 10	< 1	0.06	< 10	2.38
SD98-06	201	202	< 5	4180	0.8	0.77	20	1020	< 0.5	< 2	1.19	< 0.5	14	31	49	3.17	< 10	< 1	0.09	20	0.73
SD98-07	201	202	< 5	7630	1.0	0.60	22	1150	< 0.5	< 2	0.69	< 0.5	8	13	44	2.65	< 10	< 1	0.08	10	0.32
SD98-08	201	202	< 5	2960	0.6	0.71	16	450	0.5	< 2	1.01	8.5	12	21	29	4.39	< 10	< 1	0.08	30	0.45
SD98-10	201	202	< 5	810	0.2	0.94	20	160	1.5	< 2	2.12	0.5	11	15	21	14.75	< 10	< 1	0.08	30	0.57
SD98-13	201	202	< 5	1380	0.2	0.60	14	130	0.5	< 2	1.06	0.5	9	7	19	3.99	< 10	< 1	0.10	80	0.29
SD98-14	201	202	< 5	1130	< 0.2	1.91	6	190	< 0.5	< 2	2.16	< 0.5	16	29	39	4.62	< 10	< 1	0.17	30	1.00

CERTIFICATION: Ian Fichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER/M. BAKNES CC: VIC TANAKA

Page Number :1-B
Total Pages :1
Certificate Date: 16-SEP-1998
Invoice No. :19830670
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9830670

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
JK98-02	201	202	2100	3	< 0.01	281	530	16	< 2	3	21	< 0.01	< 10	< 10	17	< 10	928
JP98-09	201	202	580	1	< 0.01	8	100	182	< 2	2	159	< 0.01	< 10	< 10	10	< 10	78
JP98-10	201	202	1285	3	< 0.01	43	1250	42	< 2	6	240	< 0.01	< 10	< 10	25	< 10	498
RH98-03	201	202	425	3	< 0.01	47	450	26	< 2	3	21	< 0.01	< 10	< 10	13	< 10	222
RH98-04	201	202	340	3	< 0.01	34	770	24	< 2	3	34	0.01	< 10	< 10	18	< 10	458
RH98-05	201	202	430	3	< 0.01	42	740	24	< 2	3	37	0.03	< 10	< 10	20	< 10	198
SD98-05	201	202	195	23	< 0.01	61	1680	18	4	4	91	< 0.01	< 10	< 10	82	< 10	370
SD98-06	201	202	470	11	< 0.01	75	980	24	2	4	35	0.04	< 10	< 10	50	< 10	234
SD98-07	201	202	380	2	< 0.01	50	400	10	< 2	2	37	< 0.01	< 10	< 10	17	< 10	130
SD98-08	201	202	1165	7	< 0.01	104	910	34	< 2	1	49	0.01	< 10	< 10	22	< 10	1105
SD98-10	201	202	3480	11	< 0.01	71	880	18	< 2	3	58	< 0.01	< 10	10	18	< 10	348
SD98-13	201	202	750	9	< 0.01	25	830	32	< 2	1	54	< 0.01	< 10	< 10	8	< 10	200
SD98-14	201	202	930	3	< 0.01	38	1070	16	< 2	5	52	0.03	< 10	< 10	36	< 10	106

CERTIFICATION: Ian Hall

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Page Number :1-A
Total Pages :1
Certificate Date: 17-SEP-1998
Invoice No. :I9830672
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9830672

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
SD98-09	205	226	< 5	1600	< 0.2	0.79	12	170	1.5	< 2	0.71	0.5	4	29	8	4.12	< 10	< 1	0.20	130	0.27
SD98-11	205	226	< 5	510	< 0.2	0.44	26	100	2.0	< 2	11.00	0.5	3	2	1	>15.00	< 10	< 1	0.04	10	0.21
SD98-12	205	226	< 5	1140	< 0.2	0.33	52	500	3.5	< 2	0.64	0.5	31	4	< 1	>15.00	< 10	< 1	0.08	40	0.04

CERTIFICATION: Hawthickler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : STARR
Comments: ATTN: J. WEBER CC: VIC TANAKA

Page Number :1-B
Total Pages :1
Certificate Date: 17-SEP-1998
Invoice No. :I9830672
P.O. Number :PTH98-01
Account :EIA

CERTIFICATE OF ANALYSIS A9830672

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
SD98-09	205 226	1835	8	< 0.01	7	340	16	< 2	1	22	< 0.01	< 10	< 10	4	< 10	188
SD98-11	205 226	3170	15	< 0.01	54	130	12	2	1	54	< 0.01	< 10	10	4	< 10	356
SD98-12	205 226	>10000	48	< 0.01	166	110	2	4	1	60	< 0.01	10	20	< 1	< 10	712

CERTIFICATION: [signature]

APPENDIX F

GEOLOGIST'S CERTIFICATE

GEOLOGIST'S CERTIFICATE

I, Jason Weber of Suite #8A 1385 West 15th Avenue, Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geologist with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.

2. THAT I am a graduate of the University of British Columbia with a Bachelor of Science degree in Geology.

3. THAT I am a Geoscientist-in-Training registered in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

4. THAT this report is based on property work I conducted during August and September, 1998, and government publications and assessment reports filed with the Yukon Territory.

DATED at Vancouver, British Columbia, this 3RD day of March, 1999.

Jason Weber, B.Sc., G.I.T.

093983

PETRA RESOURCE CORP.

STARR PROJECT
CLAIM MAP

EQUITY	Date FEB. 1999	Scale 1:50,000	FIGURE 2
	U.T.M. Zone 8/9	Mining District WATSON LAKE	
	N.T.S. 105 G/5,6,12 105 F/8,9	State/Province YUKON	

0 .5 1 2 3 4 5
KILOMETRES

LONE / FAR BLOCK

CRY/DEN/GREY/ HOWL/SLY/RED BLOCK

WOLF DISCOVERY

PUP BLOCK

McNEIL LAKE

ROAD

6747

6656

132°00'

61°30'

131°30'

61°15'

105G-5

GRID NORTH
2.5°W of TRUE NORTH

GEOLOGICAL LEGEND
PELLY-CASSIAR PLATFORM

Upper Triassic and Jurassic

uRJv Dark green, massive, volcaniclastic sandstone; minor tuff.

uRsc Dark grey and buff weathering, recessive, thin-bedded bioclastic limestone with interbedded sandy or silty limestone, calcareous siltstone and shale; commonly finely cross-laminated.

Mississippian latest Devonian

Mva Heterogeneous, rusty, black, white and orange weathering lapilli and sand sized tuff, volcanic breccia and flow rocks ranging from trachyte to andesite in composition; black argillaceous slate and siliceous pale grey and pale green ?cherty tuff? locally abundant; minor finely crystalline buff limestone; locally includes abundant trachyte dykes; locally highly pyritic; weakly sericitized and commonly strongly foliated so that primary textures are masked.

Mt Rusty orange weathering, resistant, apple green and dark grey thin bedded chert and cherty tuff; may include minor Mv undifferentiated.

Plz Paleozoic, likely Devonian-Mississippian Yukon Tanana Terrane equivalent

Upper Devonian and Mississippian

uDMs Black recessive weathering, with rusty streaks, thin bedded black siliceous slate with minor interbedded chert grain greywacke and chert granule grit; includes lenses of intermediate to acid volcaniclastic rocks undifferentiated; includes interbedded dark grey barite undifferentiated.

Silurian and lower Devonian

Sd Resistant, light grey and white weathering, massive, medium grey, medium bedded, laminated to sucrose, dolomite; minor sandy dolomite.

Sdq Interbedded, white weathering, resistant, medium bedded, light grey, algal laminated and sparry dolomite, orthoquartzite and sandy dolomite.

Sdl Resistant, thick-bedded to massive, red weathering, coarsely sucrose dolomite; minor sandy dolomite.

Ss Tan, medium grey, and very locally deep maroon weathering; light grey, thin-bedded to platy dolomitic siltstone, dolomitic fine-grained sandstone and minor silty dolomite.

Upper Cambrian and Ordovician (Silurian, Devonian)

ЄOSDsl Orange-brown weathering, recessive, thin bedded, medium to dark grey, calcareous shale, siltstone and argillaceous limestone; includes slate and phyllitic slate.

OSsl Recessive, black, locally calcareous, fissile, graptolitic slate; includes thin sills or flows of dark green, basalt undifferentiated; rarely includes lenses or large blocks of algal-laminated dolomite; grades upward into Ss and laterally into uЄOsl, uЄOslv and uЄOc.

uЄOsl Medium grey, recessive weathering, chlorite muscovite quartz phyllite and slaty phyllite, locally calcareous; in places includes lenses sills and flows of olive to dark green basalt and basaltic tuff ЄOv and ЄOvb; grades laterally to uЄOc.

uЄOc Orange to orange-brown weathering, recessive, medium grey, thinly interlaminated calcareous shale and silty limestone or calcareous siltstone; proportion of carbonate to clastic material varies widely; includes slaty and phyllitic equivalents; includes distinctive red weathering quartz ankerite ?sweats?; locally includes thin layers of olive green tuff undifferentiated; laterally gradational to uЄOsl.

ЄOv Olive green, sandy and finer grained tuff and tuffaceous slate; commonly strongly foliated and metamorphosed to greenschist facies – equivalents include chlorite phyllite and chlorite amphibolite.

ЄOvb Resistant, dark weathering, massive, dark green and dark maroon amygdaloidal basalt; calcite fills amygdules; locally strongly foliated and amygdules are chlorite patches; may include ЄOv undifferentiated.

Geology after D.J. Tempelman-Kluit (1977).

LITHOLOGIES

ARG undifferentiated argillaceous rocks including carbonaceous shales and phyllites
BSL undifferentiated mafic volcanics, likely trachy-basalts
BSLam amygdaloidal
EXH exhalative rocks, chemical sediments, may include chert
EXHba baritic and pyritic exhalite
EXHsi siliceous exhalite, may include chert, siliceous tuff
TRA undifferentiated trachyte
TRAat ash tuff
TRAbx volcanic breccia
TRAfp feldspar porphyry
TRAlt lapilli

ABBREVIATIONS

AK Ankerite
BA Barite
FL Fluorite
PY Pyrite
SI Silicification
SP Sphalerite
QE Quartz eyes
FEC Ferricrete
GOS Gossan (accompanying number referenced in report)

SYMBOLS

bedding (inclined, vertical)
foliation (inclined, vertical)
lithological contact (defined, inferred)
Fault
Thrust fault
Outcrop
Gossanous area
Float
Stream sediment sample (4 digit # are RGS samples from GSC open file 1648) Sample Number/Pb(ppm),Zn(ppm),Ag(ppm),Ba(%)
Rock samples (float, outcrop)
Soil samples
Minfile occurrence

LITHOLOGICAL LEGEND
1998 GEOLOGICAL MAPPING

FELSIC VOLCANIC UNITS

TRAC Trachyte flows: Generally grey to buff in colour, weathering buff to orange forming prominent gossans. Consists of massive to amygdaloidal flows. Commonly exhibits sucrosic texture, and fine (<1 mm) needle shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, locking amygdules. Buff to orage weathering, forming prominent gossans. Commonly pyritic. May include the following units:
Trachyte ash tuff, commonly with argillite clasts.
Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.

TRAM Maroon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and laths. Weakly pyritic locally, alteration is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Green to olive green in colour. Commonly schistose.

SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shaley clasts. Rare massive pyrite fragments. Commonly grades into MDST. May contain the following units:
Argillaceous crystal tuff: Similar to above with dominant fragment type(s) composed of feldspar crystal (<1 mm) and/or quartz eyes (<2 mm).
Argillaceous heterolithic tuff – Contains both trachytic and shaley fragments.
Argillaceous lapilli tuff – Fragments are dominantly trachyte lapilli.
Argillaceous bomb tuff – Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Pink/brown/buff weathering schistose heterolithic tuff. Commonly exhibiting silvery sheen. Clasts consist of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green-grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering buff dolostone: Comonly banded grey/buff, sucrosic texture.

* Geology on Lynx, Fox, & Wolf claims adapted form Hunt, J 1998

NORTHWEST SHEET
SOUTHEAST SHEET

scale: 1:20,000
0 200 400 600 1000
metres

093983

PETRA RESOURCE CORP

STARR PROJECT
NORTHWEST SHEET
GEOLOGY AND GEOCHEMISTRY COMPILATION

Date	Scale	Figure
March 1999	1:20,000	4
U.T.M. Zone: UTM(NAD27)	Mining District: Watson Lake	
N.T.S.	State/Province	

EQUITY

GRID NORTH
2.5°W of TRUE NORTH

GEOLOGICAL LEGEND

PELLY-CASSIAR PLATFORM

Upper Triassic and Jurassic

uRJv Dark green, massive, volcaniclastic sandstone; minor tuff.

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Sd1 Resistant, thick-bedded to massive, red weathering, coarsely sucrose dolomite; minor sandy dolomite.

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Upper Cambrian and Ordovician (Silurian, Devonian)

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OSsl Recessive, black, locally calcareous, fissile, graptolitic slate; includes thin sills or flows of dark green, basalt undifferentiated; includes Sv undifferentiated; rarely includes lenses or large blocks of algal-laminated dolomite; grades upward into Ss and laterally into uCOsl, uCOslv and uCOc.

u€Osl Medium grey, recessive weathering, chlorite muscovite quartz phyllite and slaty phyllite, locally calcareous; in places includes lenses sills and flows of olive to dark green basalt and basaltic tuff COv and COvb; grades laterally to UCOc.

u€Oc Orange to orange-brown weathering, recessive, medium grey, thinly interlaminated calcareous shale and silty limestone or calcareous siltstone; proportion of carbonate to clastic material varies widely; includes slaty and phyllitic equivalents; includes distinctive red weathering quartz ankerite ?sweats?; locally includes thin layers of olive green tuff undifferentiated; laterally gradational to uCOsl.

€Ov Olive green, sandy and finer grained tuff and tuffaceous slate; commonly strongly foliated and metamorphosed to greenschist facies — equivalents include chlorite phyllite and chlorite amphibolite.

€Ovb Resistant, dark weathering, massive, dark green and dark maroon amygdaloidal basalt; calcite fills amygdules; locally strongly foliated and amygdules are chlorite patches; may include COv undifferentiated.

Geology after D.J. Tempelman-Kluit (1977).

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TRAat ash tuff
TRAbx volcanic breccia
TRAfp feldspar porphyry
TRAll lapilli

ABBREVIATIONS

AK Ankerite
BA Barite
FL Fluorite
PY Pyrite
SI Silicification
SP Sphalerite
QE Quartz eyes
FEC Ferricrete
GOS Gossan (accompanying number referenced in report)

SYMBOLS

bedding (inclined, vertical)
foliation (inclined, vertical)
lithological contact (defined, inferred)
Fault
Thrust fault
Outcrop
Gossanous area
X X Float
Stream sediment sample (4 digit # are RGS samples from GSC open file 1648) Sample Number/Pb(ppm),Zn(ppm),Ag(ppm),Ba(%)
Rock samples (float, outcrop)
Soil samples
Minfile occurrence

LITHOLOGICAL LEGEND
1998 GEOLOGICAL MAPPING

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* Geology on Lynx, Fox, & Wolf claims adapted form Hunt, J 1998

NORTHWEST SHEET
SOUTHEAST SHEET

scale: 1:20,000
0 200 400 600 1000
metres

093983

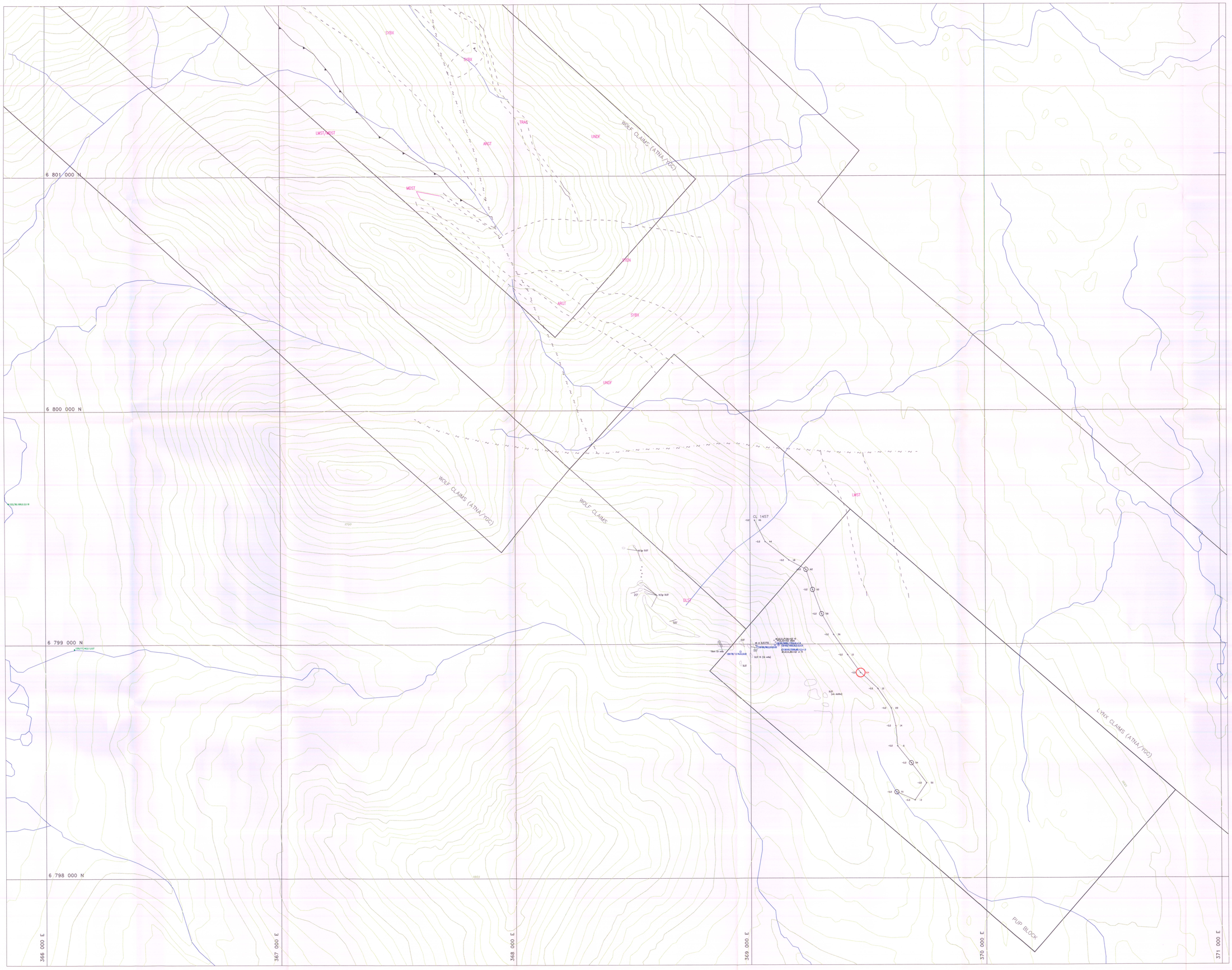
PETRA RESOURCE CORP

STARR PROJECT
SOUTHEAST SHEET
GEOLOGY AND GEOCHEMISTRY
COMPILATION

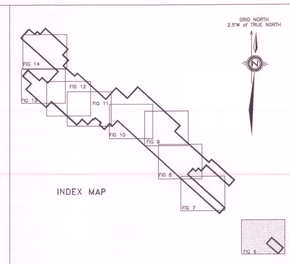
Date	Scale	Figure
March 1999	1:20,000	5
U.T.M. Zone: UTM(NAD27)	Mining District: Watson Lake	
N.T.S.: 105G/5,6,12 F/8,9	State/Province: Yukon Territory	

EQUITY

STARR98_20K-SE



GRID NORTH
2.5°W of TRUE NORTH



INDEX MAP

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

TRAC Trachyte flows. Generally grey to buff in colour, weathering buff to orange forming prominent gossans. Consists of massive to amygdaloidal flows. Commonly exhibits eutaxitic texture, and fine (<1 mm) needle shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.

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MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly schistose. Maybe equivalent to HTUF.

SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shaley clasts. Rare massive pyrite fragments. Commonly grades into MDST. May contain the following units:
Argillaceous crystal tuff: Similar to above with dominant fragment type(s) composed of feldspar crystal (<1 mm) and/or quartz eyes (<2 mm).
Argillaceous lapilli tuff – Fragments are dominantly trachyte and shaley fragments.
Argillaceous lapilli tuff – Fragments are dominantly trachyte lapilli.
Argillaceous bomb tuff – Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Pink/brown/buff weathering schistose heterolithic tuff. Commonly exhibiting pervasive hematite alteration and/or silicification (up to 10% quartz eyes) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green-grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Comonly banded grey/buff, eurosic texture.

OUTCROP DESCRIPTIVE CODES

UNITS

ANDS – mafic volcanics
ARGL – argillite
ARGT – tuffaceous argillite
CHRT – chert
LMST – limestone
GYWK – greywacke
LMST – limestone
QSER – quartz-sericite schist
SHAL – shale
SLAT – slate
TRA – undifferentiated trachyte flows and tuffs

ABBREVIATIONS

AK – Ankerite
BK – Biotite
FL – Fluorite
PY – Pyrite
MS – Sericite
SP – Sphalerite
FECS – Ferricrete
GOS – Gossan

MODIFIERS

f – interbedded
amy – amygdaloidal
ash – ash tuff
bd – banded
bx – breccia tuff
brx – breccia
cht – cherty
cgl – conglomerate
crb – carbonaceous
crs – coarse
fg – fine-grained
fld – flood
fol – foliated
fr – fragments
fx – fissile
fw – flow
grp – graphitic
ht – heterolithic tuff
lt – lapilli tuff
mas – massive
mic – microlitic
phy – phyllitic
pp – porphyritic
sch – schistose
SE – quartz eye
sch – schistose
shy – shaley
st – siltstone
sw – stockwork
stwk – stockwork
sx – sulphide
vf – very fine-grained
xtalline – crystalline

COLOURS

bf – buff
bk – black
br – brown
gn – green
gy – grey
or – orange
or – orange
rd – red
ye – yellow

pl – pale
dk – dark
md – medium

STRUCTURAL SYMBOLS

SYMBOLS

- bedding (inclined, vertical)
- foliation (inclined, vertical)
- lithological contact (mapped, inferred)
- Fault (mapped, inferred)
- Thrust fault
- Outcrop
- Gossanous area
- Float
- Stream sediment sample (4 digit # are RGS samples from GSC open file 1648) Sampled/Pb(ppm)/Zn(ppm)/Ag(ppm)/As(%)
- Rock samples (float, outcrop) Sampled/Pb(ppm)/Zn(ppm)/Ag(ppm)/As(%)
- Soil samples
  - 1987-88 Petra Sample Locations
  - 1990 Cominco Sample Locations

Ag (ppm) + Pb (ppm) Analytical Values

- > 90 Percentile Pb
- 80 – 90 Percentile Pb
- Minfile occurrence

* Mapping on Atna and Cominco claims by J. Hunt 1998

scale: 1:5,000
0 50 125 150 250
metres

093983

PETRA RESOURCE CORP

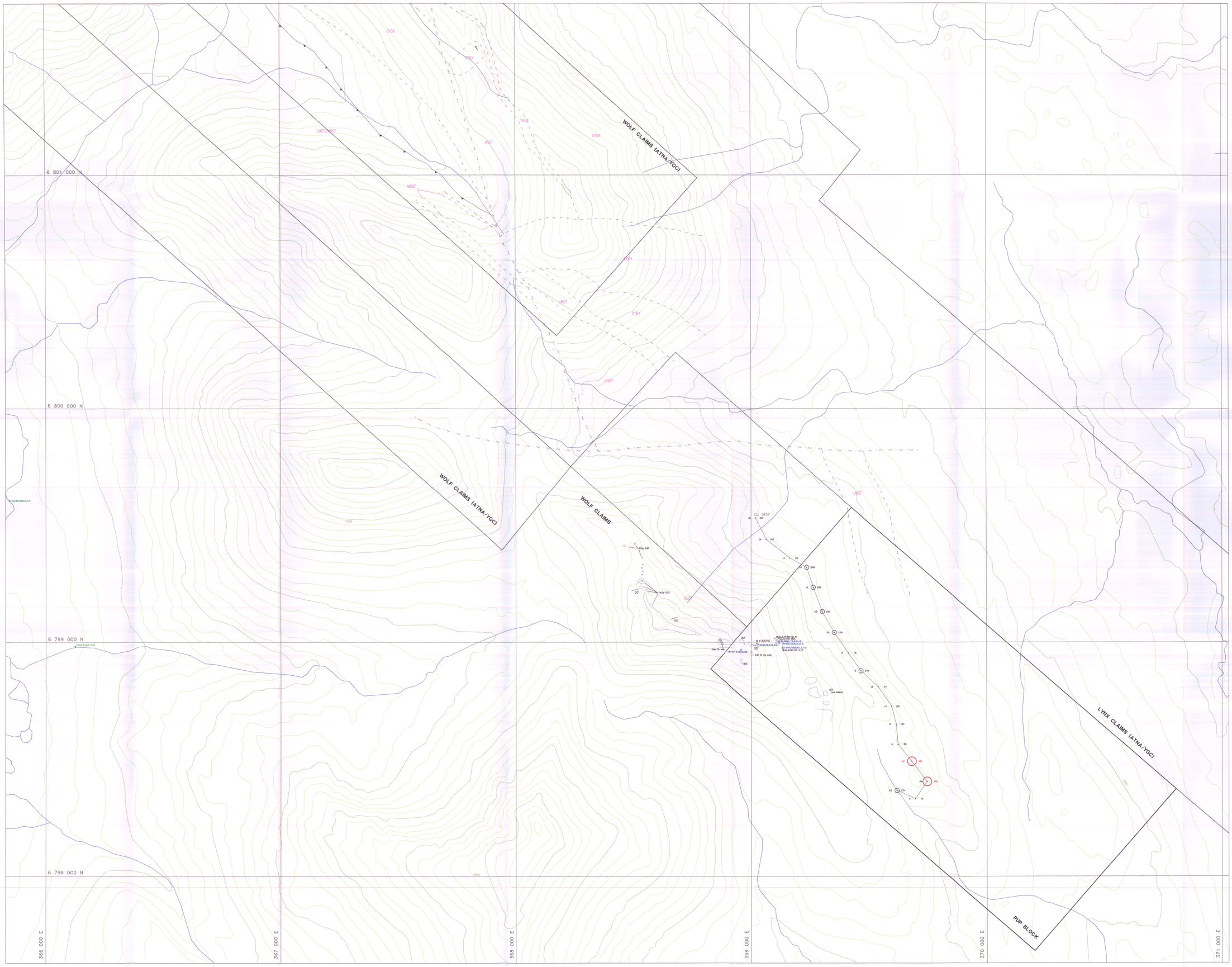
STARR PROJECT

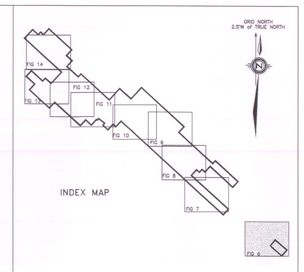
GEOLOGY AND GEOCHEMISTRY COMPILATION

Pb / Ag SOIL GEOCHEMISTRY

EQUITY	Date: March 1999	Scale: 1:5,000	Figure: 6a
	U.T.M. Zone: NAD27 – Zone 8	Mining District: Watson Lake	
	N.T.S.: 105G/5,6,12 F/8,9	State/Province: Yukon Territory	

Starr98_5k-6





INDEX MAP

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

TRAC Trachyte flows: Generally grey to buff in colour, weathering buff to orange forming prominent ridges. Rarely flow banded, commonly massive to occasionally subvitrophitic texture. Rare sanidine and fine (<1 mm) needle shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, lacking amygdules. Buff to orange weathering, forming prominent gossans. Commonly pyritic. May include the following units:
Trachyte ash tuff, commonly with argillite clasts.
Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.

TRAM Maroon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and laths. Weakly pyritic locally, alteration is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly schistose. Maybe equivalent to HTUF.

SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shakey clasts. Rare massive pyrite fragments. Commonly grades into MDST. May contain the following units:
Lithic/crystal tuff – Similar to above with dominant fragment type(s) composed of feldspar crystal (≤1 mm) and/or quartz eyes (<2 mm).
Argillaceous heterolithic tuff – Contains both trachytic and shakey fragments.
Argillaceous lapilli tuff – Fragments are dominantly trachyte lapilli.
Argillaceous bomb tuff – Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Pink/brown/buff weathering schistose heterolithic tuff. Commonly exhibiting silvery sheen. Clasts consist of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green-grey cherts: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Comonly banded grey/buff, sucrosic texture.

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ARGT – tuffaceous argillite
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GYWK – greywacke
LMST – limestone
QZ-MS Sc – quartz-sericite schist
SHAL – shale
SLAT – slate
TRA – undifferentiated trachyte flows and tuffs

ABBREVIATIONS
AK – ankerite
BA – Barite
CA – Calcite
PY – Pyrite
SR – Sericite
SI – Silicification
Sp – Sphalerite
FEC – Ferroan Calcite
GOS – Gossan

MODIFIERS
/ – interbedded
ag – agglomeratic
ash – ash tuff
bd – banded
bc – bomb tuff
brx – breccia
cht – chert
clst – clasts
crb – carbonaceous
cg – conglom
fg – fine-grained
fl – float
fol – foliated
frg – fragments
fx – flow
gry – graphitic
lc – lapilli-crystal tuff
ll – lapilli tuff
mgr – migrated
mv – massive
phy – phyllitic
pg – porphyritic
pw – pillowed
QE – quartz eye
sch – schistose
shl – shaley
sl – siliceous
sil – silicified
stwk – stockwork
sx – sulphide
vfg – very fine-grained
xtalline – crystalline

COLOURS
bf – buff
bk – black
br – brown
gn – green
gy – grey
lg – light green
or – orange
rd – red
y – yellow

pl – pale
dk – dark
md – medium

STRUCTURAL SYMBOLS

SYMBOLS
bedding (inclined, vertical)
foliation (inclined, vertical)
lithological contact (mapped, inferred)
Fault (mapped, inferred)
Thrust fault
Outcrop
Gossanous area
Float
Stream sediment samples (4 digit # are RGS samples from GSC open file 1648)
Sampled/Pb(ppm)/Zn(ppm)/Ag(ppm)/Au(ppb)
Rock samples (Trench, outcrop)
Sampled/Pb(ppm)/Zn(ppm)/Ag(ppm)/Au(ppb)
Soil samples
1987-88 Petra Sample Locations
1990 Cominco Sample Locations
As (ppm) v Zn (ppm) Analytical Values
> 90 Percentile Zn
80 – 90 Percentile Zn
Minfile occurrence
* Mapping on Atna and Cominco claims by J. Hunt 1988

scale: 1:5,000
0 50 100 150 250
metres

093983

PETRA RESOURCE CORP

STARR PROJECT

GEOLOGY AND GEOCHEMISTRY COMPILATION

Zn / As SOIL GEOCHEMISTRY

Date: March 1999	Scale: 1:5,000	Figure: 6b
UTM Zone: NAD27 – Zone 8	Mining District: Watson Lake	
NTS: 105O/5,6,12 F/8,9	State/Province: Yukon Territory	

Starr98_5k-6

WOLF CLAIMS (ATNA/YGC)

LYNX CLAIMS (ATNA/YGC)

UNDF

6 801 000 N

TRTN

SYBX

UNDS 6 800 000 N

6 799 000 N

6 798 000 N

LMST

DLST

CL 1457

20°

55°

m/lp DLST

DLST (ca vnlts)

15cm CA vnlts

DLST (cra vtalline)

366 000 E

367 000 E

368 000 E

369 000 E

370 000 E

371 000 E

Starr98_5A-6

GRID NORTH
2.5°W of TRUE NORTH

FIG. 14
FIG. 13
FIG. 12
FIG. 11
FIG. 10
FIG. 9
FIG. 8
FIG. 7
FIG. 6

INDEX MAP

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

TRAC Trachyte flows: Generally grey to buff in colour, weathering buff to orange forming prominent gossans. Consists of massive to amygdaloidal flows. Commonly exhibits eutrectic texture, and fine (<1 mm) needle shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, lacking amygdules. Buff to orange weathering, forming prominent gossans. Commonly pyritic. May include the following units:
Trachyte ash tuff, commonly with argillite clasts.
Trachyte ash tuff, very fine grained, grassy, occasionally weakly banded.

TRAM Maroon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and latha. Weaky pyritic locally, alteration is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly schistose. Maybe equivalent to HTUF.

SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shaley clasts. Rare massive pyrite fragments. Commonly grades into MDST. May contain the following units:
Argillaceous crystal tuff: Similar to above with dominant fragment type(s) composed of crystals (QE, FP, FL, MS) and/or lithic fragments (ARGT, MDST).
Argillaceous heterolithic tuff – Contains both trachytic and shaley fragments.
Argillaceous lapilli tuff – Fragments are dominantly trachyte lapilli.
Argillaceous bomb tuff – Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Pink/brown/buff weathering schistose heterolithic tuff. Commonly exhibiting silvery sheen. Clasts consist of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green-grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Comonly banded grey/buff, eutrectic texture.

OUTCROP DESCRIPTIVE CODES

UNITS
ANDS – mafic volcanics
ARGL – argillite
ARGF – tuffaceous argillite
ARGT – argillite
DLST – dolostone
GYWK – greywacke
LMST – limestone
QSCHL – quartz-sericite schist
SHAL – shale
SLAT – slate
TRA – undifferentiated trachyte flows and tuffs

ABBREVIATIONS
AK – Ankerite
BA – Barite
FL – Fluorite
PY – Pyrite
MS – Sericite
QE – Quartz eyes
SP – Sphalerite
FEC – Ferricrete
GOS – Gossan

MODIFIERS
/ – interbedded
ag – argillaceous
ash – ash tuff
bd – banded
bl – bomb tuff
bx– breccia
cgl – conglom
clast – clastic
carb – carbonaceous
crs – coarse
fg – fine-grained
fol – foliated
frag – fragments
fs – felsic
flow

grp – graphitic
lap – lapilli tuff
lt – lapilli tuff
mas – massive
nod – nodules
phy – phyllitic
pil – pillowed
pw – pillowed
QE – quartz eye
sch – schistose
shl – shaley
sl – silicious
sca – stalky
stwk – stockwork
vf – very fine
vfg – very fine-grained
xtalline – crystalline

COLOURS
bf – buff
bk – black
br – brown
gn – green
gy – grey
mr – maroon
or – orange
pk – pink
yl – yellow

pl – pale
dk – dark
md – medium

STRUCTURAL SYMBOLS

SYMBOLS
bedding (inclined, vertical)
foliation (inclined, vertical)
lithological contact (mapped, inferred)
Fault (mapped, inferred)
Thrust fault
Outcrop
Gossanous area
Float
Stream sediment sample (4 digit # are RGS samples from GSC open file 1648)
Sample# Pb(ppm),Zn(ppm),As(ppm),Sb(%)
Rock samples (float, outcrop)
Sample# Pb(ppm),Zn(ppm),As(ppm),Sb(%)
Soil samples
1997-98 Petra Sample Locations
1990 Cominco Sample Locations
Mo (ppm) + Ba (ppm) Analytical Values
> 90 Percentile Ba
80 – 90 Percentile Ba
Minfile occurrence
* Mapping on Atna and Cominco claims by J Hunt 1998

scale: 1:5,000
0 50 100 150 200
metres

093983

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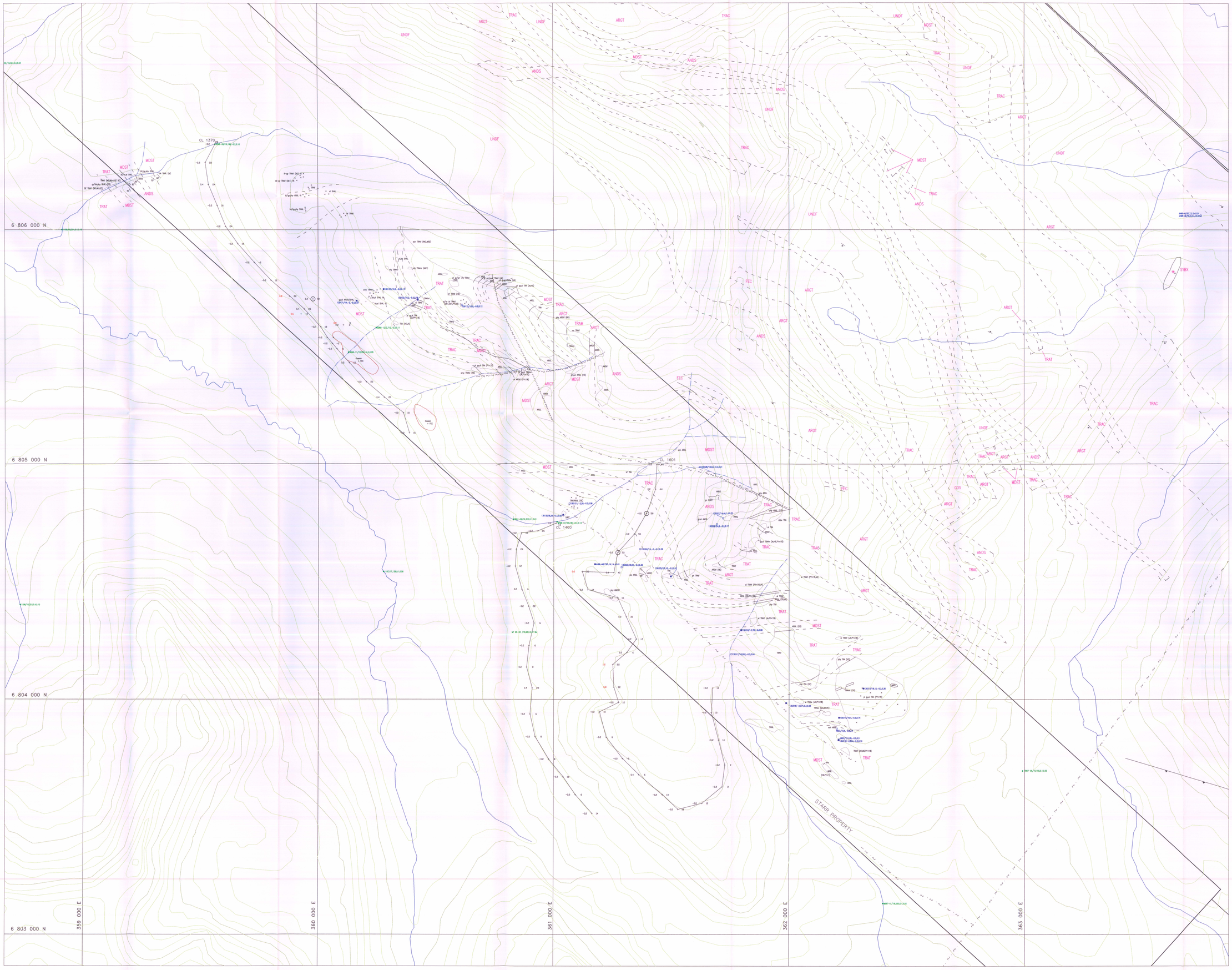
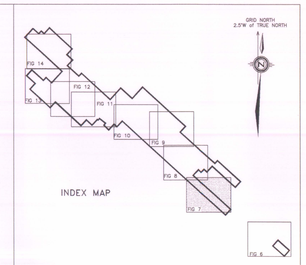
GEOLOGY AND GEOCHEMISTRY COMPILATION

Ba / Mo SOIL GEOCHEMISTRY

Date	March 1999	Scale	1:5,000
U.T.M. Zone	NAD27 – Zone 8	Mining District	Watson Lake
N.T.S.	105G/5,6,12 F/8,9	State/Province	Yukon Territory

Figure 6c





INDEX MAP

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

- **TRAC** Trachyte flows: Generally grey to buff in colour, weathering buff to orange forming prominent cliffs. Consists of massive to amygdaloidal flows. Commonly exhibits aucoaxial texture, and fine (<1 mm) needle shaped feldspar crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.
- **TRAT** Undifferentiated trachyte tuffs: Generally grey, very fine grained, locking amygdules. Buff to orage weathering, forming prominent gossans. Commonly pyritic. May include the following units:
  Trachyte ash tuff, commonly with argillite clasts.
  Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.
- **TRAM** Maroon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and laths. Weakly pyritic locally, alteration is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

- **ANDS** Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.
- **ANDT** Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly schistose. Maybe equivalent to HTUF.

SEDIMENTARY UNITS

- **ARGT** Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shaley clasts. Rare massive pyrite fragments. Commonly grades into MOST. May contain the following units:
  Argillaceous crystal tuff: Similar to above with dominant fragment type(s) composed of crystals of felsic to mafic volcanic rock. Commonly pyritic.
  Argillaceous heterolithic tuff — Contains both trachytic and shaley fragments.
  Argillaceous lapilli tuff — Fragments are dominantly trachyte lapilli.
  Argillaceous bomb tuff — Fragments are dominantly large (>15 cm) trachyte bombs.
- **HTUF** Heterolithic tuff: Pink/brown/buff weathering schistose heterolithic tuff. Commonly exhibiting shaley sheen. Clasts consist of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.
- **GYWK** Greywacke and siltstone.
- **MOST** Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.
- **CHRT** Grey, buff or green—grey chert: Commonly banded. May be exhalative in origin.
- **LMST** Grey to buff weathering grey limestone.
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OUTCROP DESCRIPTIVE CODES

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ARGL — argillite
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CHRT — chert
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FL — Fluorite
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mas — massive
nod — nodules
phy — phyllitic
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qv — quartz vein
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sch — schistose
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sil — siliceous
slp — slickey
stwk — stockwork
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vfg — very fine-grained
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COLOURS

bf — buff
bl — black
br — brown
gn — green
gy — grey
mar — maroon
or — orange
rd — red
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STRUCTURAL SYMBOLS

SYMBOLS

- bedding (inclined, vertical)
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Ag (ppm) = Pb (ppm) Analytical Values

- > 90 Percentile Pb
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* Mapping on Atna and Cominco claims by J. Hunt 1968

scale:1:5,000
0 50 100 150 200
metres

093983

PETRA RESOURCE CORP

STARR PROJECT

GEOLOGY AND GEOCHEMISTRY COMPILATION

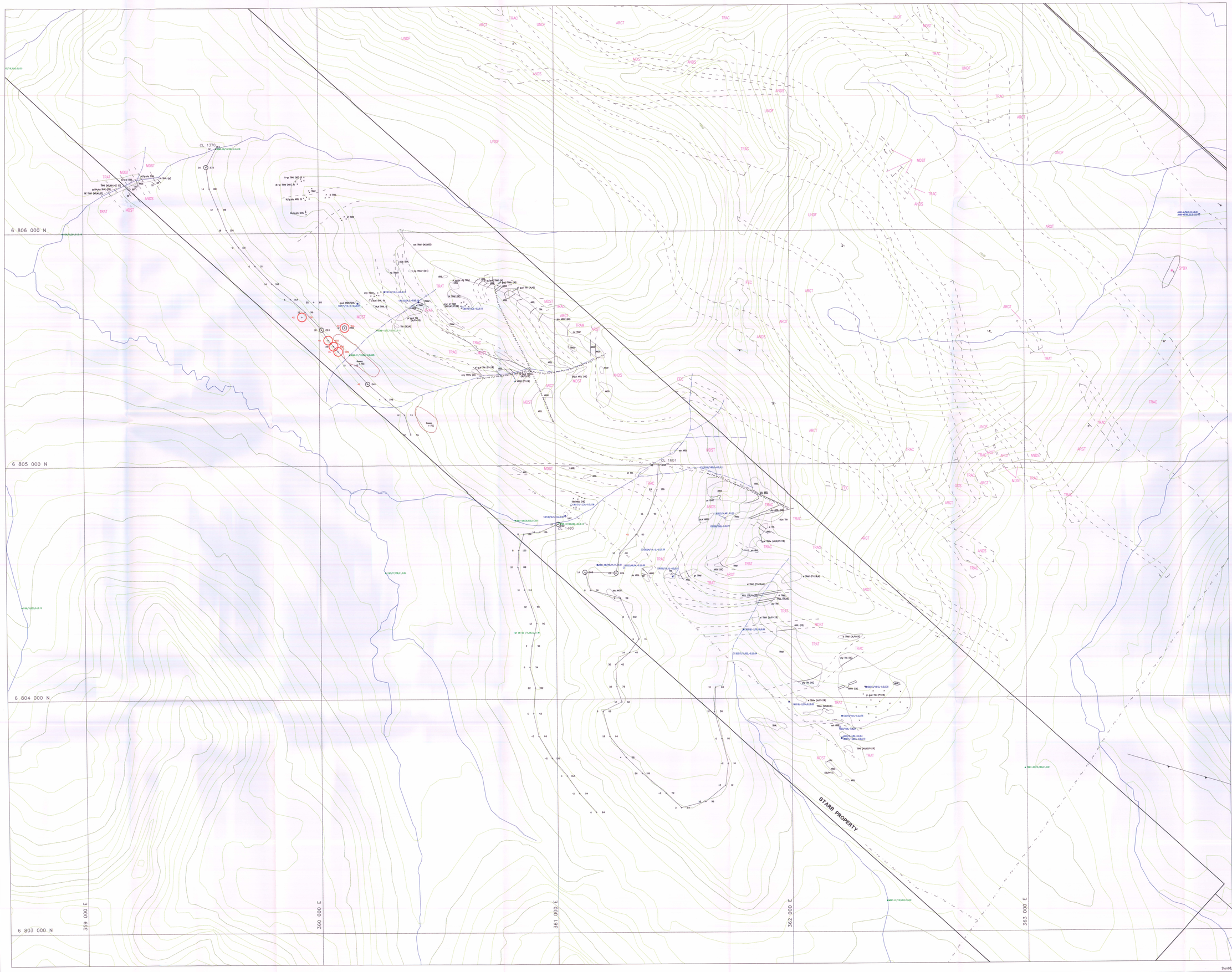
Pb / Ag SOIL GEOCHEMISTRY

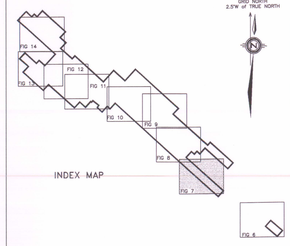
Date	March 1999	Scale	1:5,000
U.T.M. Zone	NAD27 — Zone 8	Mining District	Watson Lake
NTS	105G/5,6,12 F/8,9	State/Province	Yukon Territory

Figure 7a

EQUITY

Starr98_5k-7





LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

TRAC Trachyte flows: Generally grey to buff in colour, weathering buff to orange forming prominent grassins. Consists of massive to amygdaloidal flows. Commonly exhibits sucrosic texture, and fine (<1 mm) needle shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, lacking amygdules. Buff to orange weathering, forming prominent grassins. Commonly pyritic. May include the following units:
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GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

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nod – nodules
pl – pillowed
por – porphyritic
pw – pillowed
qtz – quartz eye
sch – schistose
shl – shaley
sl – sillceous
sm – semi-massive
stwk – stockwork
sx – sulphide
vfg – very fine-grained
vlstone – crystalline

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- Float
- Stream sediment sample (4 digit # are RGS samples from GSC open file 1648) Sample#/Pb(ppm),Zn(ppm),Ag(ppm),Ba(%)
- Soil samples (float, outcrop) Sample#/Pb(ppm),Zn(ppm),Ag(ppm),Ba(%)
- Soil samples
  1997-98 Petra Sample Locations
  1990 Caminco Sample Locations

As (ppm) x Zn (ppm) Analytical Values
- > 90 Percentile Zn
- 80 – 90 Percentile Zn
- Minfile occurrence

* Mapping on Atna and Caminco claims by J Hunt 1998

scale: 1:5,000
0 50 100 150 200
metres

093983

PETRA RESOURCE CORP

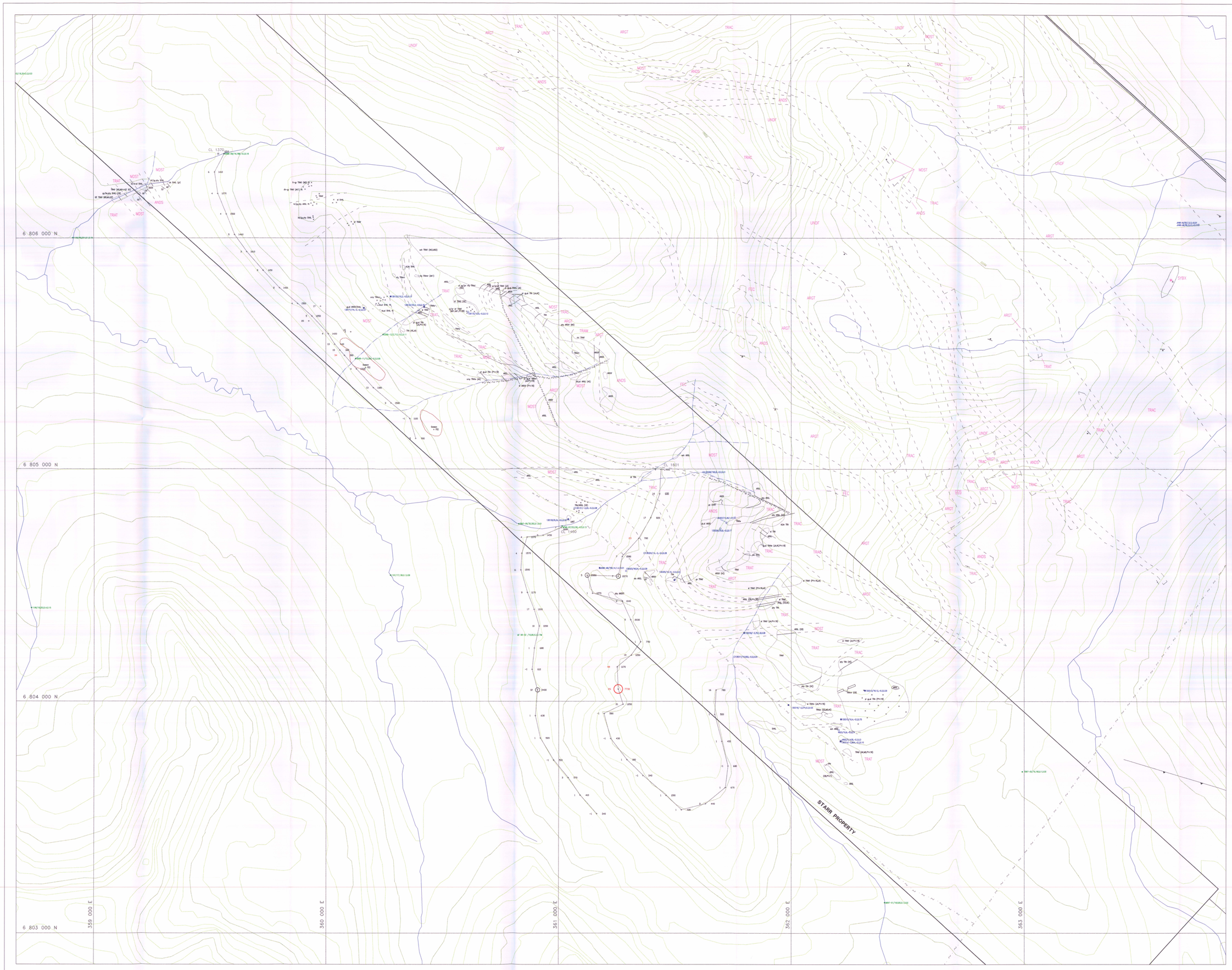
STARR PROJECT

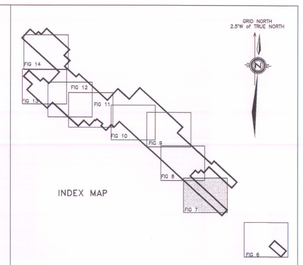
GEOLOGY AND GEOCHEMISTRY COMPILATION

Zn / As SOIL GEOCHEMISTRY

EQUITY	Date: March 1999	Scale: 1:5,000	Figure: 7b
	U.T.M. Zone: NAD27 – Zone 8	Mining District: Watson Lake	
	N.T.S.: 105G/5,6,12 F/8,9	State/Province: Yukon Territory	

Starr98_5k-7





INDEX MAP

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

TRAC Trachyte flows. Generally grey to buff in colour, weathering buff to orange forming prominent gossans. Consists of massive to amygdaloidal flows. Commonly exhibits sucrosic texture, and fine (<1 mm) needle shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, lacking amygdules. Buff to orage weathering, forming prominent gossans. Commonly pyritic. May include the following units:
Trachyte ash tuff; commonly with argillite clasts.
Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.

TRAM Maroon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and laths. Weakly pyritic locally, distention is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly exhibitase. Maybe equivalent to HTVF.

SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic clasts. Commonly exhibits massive pyrite fragments. Commonly grades into MOST. May contain the following units:
Argillaceous crystal tuff. Similar to above with dominant fragment type(s) composed of feldspar crystal (<1 mm) and/or quartz eyes (<2 mm).
Argillaceous heterolithic tuff – Contains both trachytic and shaley fragments.
Argillaceous lapilli tuff – Fragments are predominantly lapilli size.
Argillaceous bomb tuff – Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Pink/brown/buff weathering exhibitase heterolithic tuff. Commonly exhibiting silvery sheen. Clasts consist of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green–grey chert. Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Comonly banded grey/buff, aucrosic texture.

OUTCROP DESCRIPTIVE CODES

UNITS

ANDS – mafic volcanics
ARGL – argillite
ARGT – tuffaceous argillite
CHRT – chert
DLST – dolostone
GYWK – greywacke
LMST – limestone
QZ–MS Sc – quartz–sericite schist
SHAL – shale
SLAT – slate
TRA – undifferentiated trachyte flows and tuffs

ABBREVIATIONS

AK – Ankerite
BA – Biotite
FL – Flourite
PY – Pyrite
SR – Sericite
ALT – Alteration
SP – Sphalerite
FEC – Ferricrete
GOS – Gossan

MODIFIERS

/ – interbedded
ag – agglomeratic
ash – ash tuff
bd – banded
brc – breccia
brn – bioturb
chrt – cherty
clst – clasts
crb – carbonaceous
fg – fine-grained
fg – fine-grained
flt – float
fol – foliated
fr – fragmenta
fs – fissile
fw – flow
grp – graphitic
hlc – heterolithic tuff
lt – lapilli tuff
mav – massive
mbr – membr
phy – phyllitic
pp – porphyritic
pp – pillowed
QE – quartz eye
sch – schistose
sht – shaley
si – siliceous
sil – silicified
stwk – stockwork
su – sulphide
vfg – very fine-grained
xtalline – crystalline

COLOURS

bf – buff
bn – brown
dk – dark
gn – green
gy – grey
or – orangeon
or – orange
rd – red
y – yellow
pl – pale
dk – dark
md – medium

STRUCTURAL SYMBOLS

SYMBOLS

- bedding (inclined, vertical)
- foliation (inclined, vertical)
- lithological contact (mapped, inferred)
- Fault (mapped, inferred)
- Thrust fault
- Outcrop
- Gossanous area
- Float
- Stream sediment sample (4 digit # are RGS samples from GSC open file 1648) Sampled/Pb(ppm)Zn(ppm)Ag(ppm)Ba(%)
- Rock samples (Float, outcrop) Sampled/Pb(ppm)Zn(ppm)Ag(ppm)Ba(%)

Soil samples
- 1987–88 Petra Sample Locations
- 1990 Cominco Sample Locations

Mo (ppm) + Ba (ppm) Analytical Values

- > 90 Percentile Ba
- 80 – 90 Percentile Ba
- Minfile occurrence

* Mapping on Atna and Cominco claims by J Hunt 1998

scale:1:5,000
0 50 100 150 200
metres

093985

PETRA RESOURCE CORP

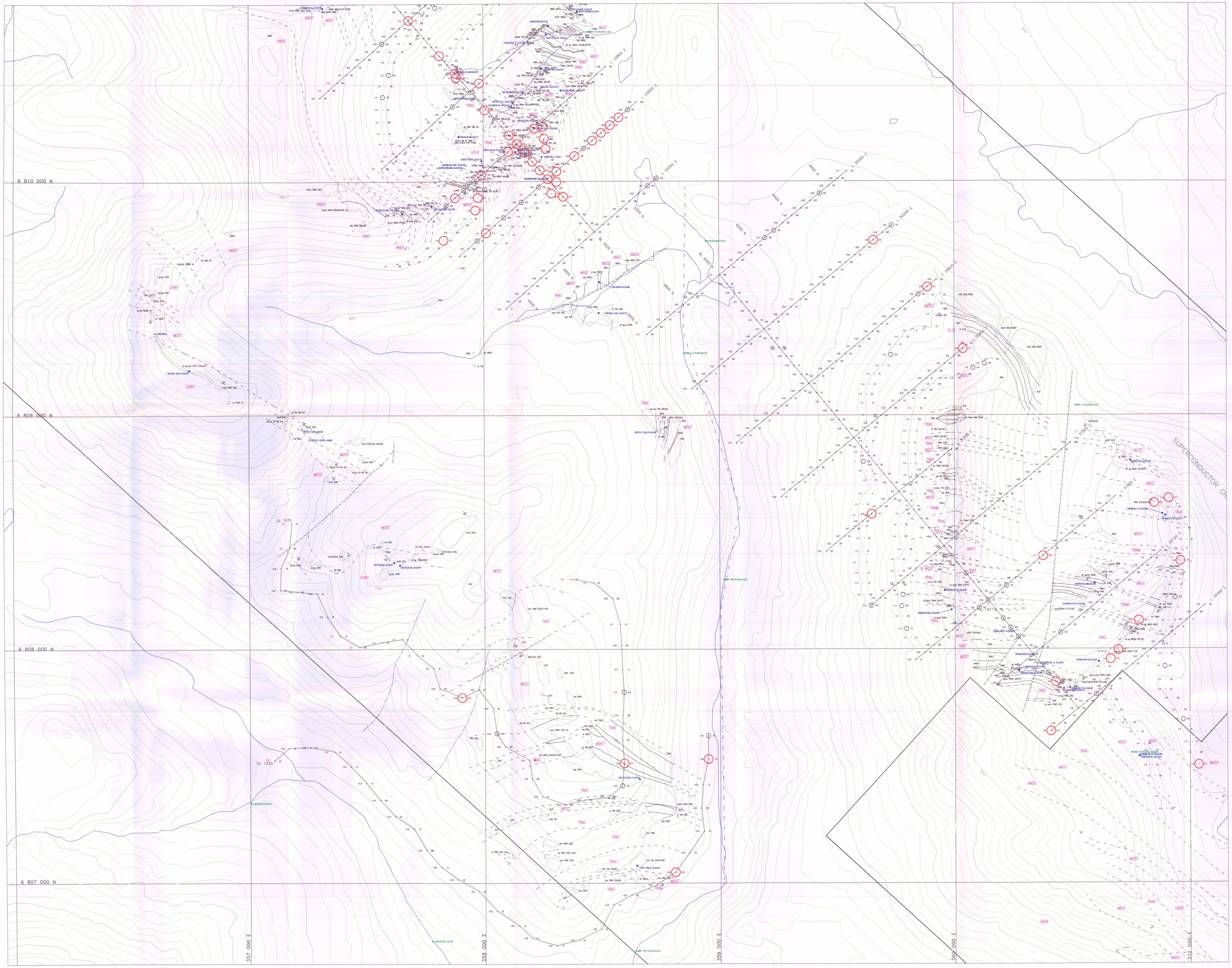
STARR PROJECT

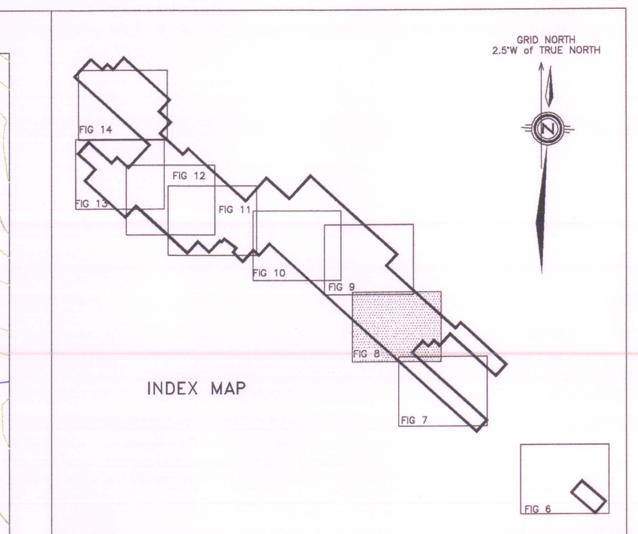
GEOLOGY AND GEOCHEMISTRY COMPILATION

Ba / Mo SOIL GEOCHEMISTRY

Date: March 1999	Scale: 1:5,000	Figure: 7c
U.T.M. Zone: NAD27 – Zone 8	Mining District: Watson Lake	
N.T.S.: 105G/5,6,12 F/8,9	State/Province: Yukon Territory	

Starr98_5k–7





INDEX MAP

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

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Trachyte ash tuff, commonly with argillite clasts.
Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.

TRAM Maroon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and laths. Weakly pyritic locally, alteration is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly schistose. Maybe equivalent to HTVF.

SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shaley clasts. Rare massive pyrite fragments. Commonly grades into MDST. May contain the following units:
Argillaceous crystal tuff: Similar to above with dominant fragment type(s) composed of feldspar crystal (<1 mm) and/or quartz eyes (<2 mm).
Argillaceous heterolithic tuff – Contains both trachytic and shaley fragments.
Argillaceous lapilli tuff – Fragments are dominantly trachyte lapilli.
Argillaceous bomb tuff – Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Pink/brown/buff weathering schistose heterolithic tuff. Commonly exhibiting silvery sheen. Clasts consist of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green-grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Comonly banded grey/buff, sucrosic texture.

OUTCROP DESCRIPTIVE CODES

UNITS
ANDS – mafic volcanics
ARGL – argillite
ARGtf – tuffaceous argillite
CHRT – chert
DLST – dolostone
GYWK – greywacke
LMST – limestone
QZ–MS Sc – quartz–sericite schist
SHAL – shale
SLAT – slate
TRA – undifferentiated trachye flows and tuffs

ABBREVIATIONS
AK – Ankerite
BA – Barite
FL – Flourite
PY – Pyrite
MS – Sericite
SI – Silicification
SP – Sphalerite
FEC – Ferricrete
GOS – Gossan

MODIFIERS
/ – interbedded
amy – amygdaloidal
at – ash tuff
bd – banded
bt – bomb tuff
bx– breccia
cht – cherty
clst – clasts
crb – carbonaceous
crs – coarse
fg – fine–grained
flt – float
fol – foliated
fr – fragments
fs – fissile
fw – flow
grp – graphitic
ht – heterolithic tuff
lt – lapilli tuff
msv – massive
nod – nodules
phy – phyllitic
pp – porphyritic
pw – pillowed
QE – quartz eye
sch – schistose
shl – shaley
si – siliceous
sla – slatey
stkwk – stockwork
sx – sulphide
vfg – very fine–grained
xtalline – crystalline

COLOURS
bf – buff
bk – black
br – brown
gn – green
gy – grey
mr – maroon
or – orange
rd – red
yl – yellow

pl – pale
dk – dark
md – medium

STRUCTURAL SYMBOLS

SYMBOLS
bedding (inclined, vertical)
foliation (inclined, vertical)
lithological contact (mapped, inferred)
Fault (mapped, inferred)
Thrust fault
Outcrop
Gossanous area
Float
Stream sediment sample (4 digit # are RGS samples from GSC open file 1648) Sample#/Pb(ppm),Zn(ppm),Ag(ppm),Ba(%)
Rock samples (float, outcrop) Sample#/Pb(ppm),Zn(ppm),Ag(ppm),Ba(%)
Soil samples
1997–98 Petra Sample Locations
1990 Cominco Sample Locations
Ag (ppm) + Pb (ppm) Analytical Values
> 90 Percentile Pb
80 – 90 Percentile Pb
Minfile occurrence

* Mapping on Atna and Cominco claims by J Hunt 1998

scale: 1:5,000
0 50 100 150 250
metres

093983

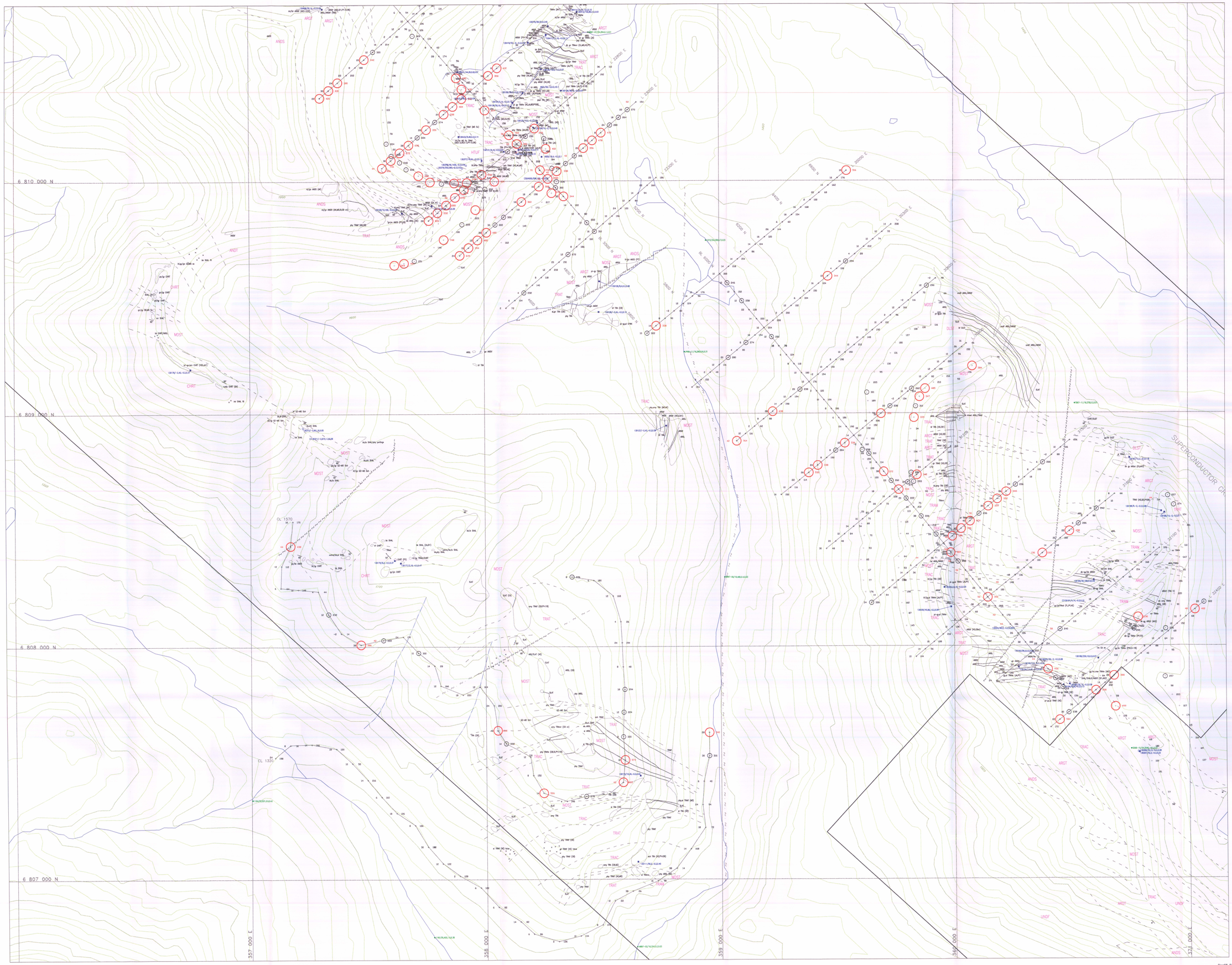
PETRA RESOURCE CORP

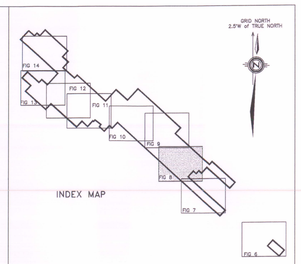
STARR PROJECT

GEOLOGY AND GEOCHEMISTRY COMPILATION

Pb / Ag SOIL GEOCHEMISTRY

EQUITY	Date: March 1999	Scale: 1:5,000	Figure: 8a
	U.T.M. Zone: NAD27 – Zone 8	Mining District: Watson Lake	
	N.T.S.: 105G/5,6,12 F/8,9	State/Province: Yukon Territory	





INDEX MAP

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

TRAC Trachyte flows: Generally grey to buff in colour, weathering buff to orange forming prominent glassies. Carapace of massive to amygdaloidal flows. Commonly exhibits sucrosic texture, and fine (<1 mm) needle shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, locking crystal tuffs. Buff to orange weathering, forming prominent glassies. Commonly pyritic. May include the following units:
Trachyte ash tuff, commonly with argillite clasts.
Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.

TRAM Monzon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and laths. Weakly pyritic locally, alteration is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly exhalotse. Maybe equivalent to HTUF.

SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shaley clasts. Rare massive pyrite fragments. Commonly grades into MOST. May contain the following units:
Argillaceous crystal tuff: Similar to above with dominant fragment type(s) composed of crystals of quartz, feldspar, and/or mafic minerals.
Argillaceous heterolithic tuff — Contains both trachytic and shaley fragments.
Argillaceous lapilli tuff — Fragments are dominantly trachyte lapilli.
Argillaceous bomb tuff — Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Pink/brown/buff weathering exhalotse heterolithic tuff. Commonly exhibiting silvery sheen. Clasts consist of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green—grey cherts: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Comonly banded grey/buff, sucrosic texture.

OUTCROP DESCRIPTIVE CODES

UNITS
ANDS — mafic volcanics
ANDL — argillite
ARGT — tuffaceous argillite
CHRT — chert
DLST — dolostone
GYWK — greywacke
LMST — limestone
QZ=MS Si — quartz—sericite schist
SVOL — skarn
SLAT — slate
TRA — undifferentiated trachye flows and tuffs

ABBREVIATIONS
AK — Arkosic
BA — Barite
FL — Fluorite
PY — Pyrite
PO — Pyrrhotite
SI — Silicification
SP — Sphalerite
FEC — Ferricrete
QOS — Qoesan

MODIFIERS
/ — interbedded
amy — amygdaloidal
ash — ash tuff
bl — blocky
bx — bomb tuff
bx= breccia
chrt = cherty
clst = clastic
cg = conglomerate
crs = crystal
fg — fine—grained
fol — foliated
fol — folioted
fr — fragments
fs — fissile
fw — flow
grp — graphitic
ht — heterolithic tuff
li — lapilli tuff
lam — laminated
nod — nodules
phy — phyllitic
por — porphyritic
qtz — quartz
QE — quartz eye
sch — schistose
shl — shaley
sil — siliceous
slck — slickey
stwk — stockwork
sv — suturite
vfg — very fine—grained
vitrofire — crystalline

COLOURS
brf — buff
bk — black
br — brown
gn — green
gy — grey
mr — maroon
or — orange
rd — red
yl — yellow

lt — pale
dk — dark
md — medium

STRUCTURAL SYMBOLS

SYMBOLS
- bedding (inclined, vertical)
- foliation (inclined, vertical)
- lithological contact (mapped, inferred)
- Fault (mapped, inferred)
- Thrust fault
- Outcrop
- Gossanous area
- Float
- Stream sediment sample (4 digit # are RGS samples from GSC open file 1648) Sample#/Pb(ppm)/Zn(ppm)/Ag(ppm)/As(K)
- Soil sample (Trace sulphide) Sample#/Pb(ppm)/Zn(ppm)/Ag(ppm)/As(K)
- Soil samples
- 1997—98 Petra Sample Locations
- 1990 Caminco Sample Locations

As (ppm) + Zn (ppm) Analytical Values
- > 90 Percentile Zn
- 80 — 90 Percentile Zn
- Winfile occurrence

* Mapping on Ahnu and Caminco claims by J Hunt 1998

scale: 1:5,000
0 50 100 150 200
metres

093983

PETRA RESOURCE CORP

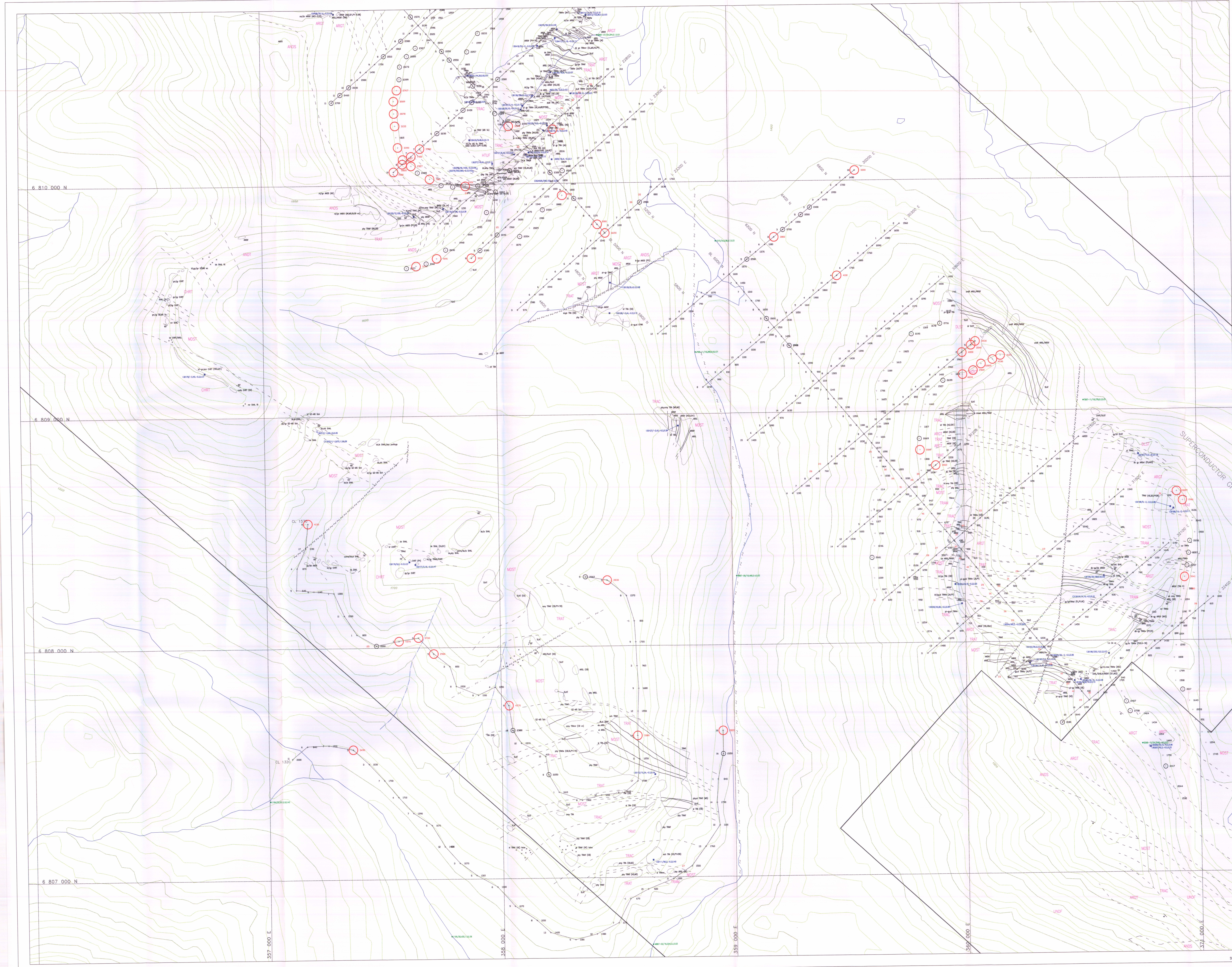
STARR PROJECT

GEOLOGY AND GEOCHEMISTRY COMPILATION

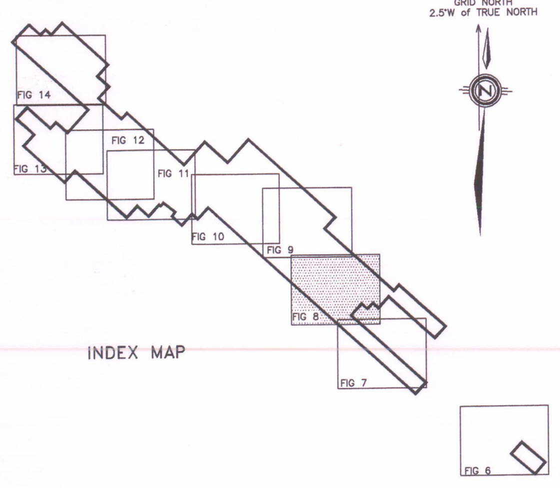
Zn / As SOIL GEOCHEMISTRY

EQUITY	Date: March 1999	Scale: 1:5,000	Figure: 8b
	U.T.M. Zone: NAD27 — Zone 8	Mining District: Watson Lake	
	N.T.S.: 105O/5,6,12 F/8,9	State/Province: Yukon Territory	

Starr98_5k—8



GRID NORTH
2.5°W of TRUE NORTH



INDEX MAP

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

- **TRAC** Trachyte flows: Generally grey to buff in colour, weathering buff to orange forming prominent gossans. Consists of massive to amygdaloidal flows. Commonly exhibits sucrosic texture, and fine (<1 mm) needle shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.
- **TRAT** Undifferentiated trachyte tuffs: Generally grey, very fine grained, lacking amygdules. Buff to orage weathering, forming prominent gossans. Commonly pyritic. May include the following units:
  Trachyte ash tuff, commonly with argillite clasts.
  Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.
- **TRAM** Maroon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and laths. Weakly pyritic locally, alteration is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

- **ANDS** Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.
- **ANDT** Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly schistose. Maybe equivalent to HTVF.

SEDIMENTARY UNITS

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  Argillaceous heterolithic tuff – Contains both trachytic and shaley fragments.
  Argillaceous lapilli tuff – Fragments are dominantly trachyte lapilli.
  Argillaceous bomb tuff – Fragments are dominantly large (>15 cm) trachyte bombs.
- **HTUF** Heterolithic tuff: Pink/brown/buff weathering schistose heterolithic tuff. Commonly exhibiting silvery sheen. Clasts consist of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.
- **GYWK** Greywacke and siltstone.
- **MDST** Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.
- **CHRT** Grey, buff or green-grey chert: Commonly banded. May be exhalative in origin.
- **LMST** Grey to buff weathering grey limestone.
- **DLST** Buff to brown weathering dolostone: Comonly banded grey/buff, sucrosic texture.

OUTCROP DESCRIPTIVE CODES

UNITS

ANDS – mafic volcanics
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STRUCTURAL SYMBOLS

SYMBOLS

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scale: 1:5,000
0 50 100 150 250
metres

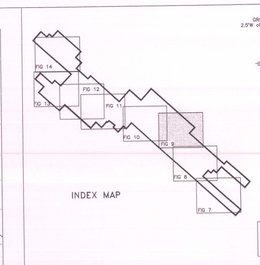
093983

PETRA RESOURCE CORP

STARR PROJECT
GEOLOGY AND GEOCHEMISTRY COMPILATION
Ba / Mo SOIL GEOCHEMISTRY

EQUITY	Date: March 1999	Scale: 1:5,000	Figure
	U.T.M. Zone: NAD27 – Zone 8	Mining District: Watson Lake	8c
	N.T.S.: 105G/5,6,12 F/8,9	State/Province: Yukon Territory	

Starr98_5k-8



INDEX MAP

LITHOLOGICAL LEGEND

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SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shaley clasts. Rare massive pyrite fragments. Commonly grades into MDST. May contain the following units:
Argillaceous crystal tuff - Similar to above with dominant fragment type(s) composed of plagioclase crystals (1-3 mm) and/or quartz eyes (<2 mm).
Argillaceous heterolithic tuff - Contains both trachytic and shaley fragments.
Argillaceous lapilli tuff - Fragments are dominantly trachyte lapilli.
Argillaceous bomb tuff - Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Pink/brown/buff weathering schistose heterolithic tuff. Commonly exhibiting silvery sheen. Clasts consist of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green-grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Commonly banded grey/buff, sucrosic texture.

OUTCROP DESCRIPTIVE CODES

UNITS
ANDS – mafic volcanics
ARGL – argillite
ARGT – tuffaceous argillite
CHRT – chert
DLST – dolostone
GYWK – greywacke
HTUF – heterolithic tuff
LS-MBS Gn – quartz-sericite schist
SHAL – shale
SLAT – slate
TRA – undifferentiated trachyte flows and tuffs

ABBREVIATIONS
AK – Ankerite
BA – Barite
FL – Fluorite
PY – Pyrite
PYPO – Pyrrhotite
SI – Silicification
SP – Sphalerite
FEC – Ferricrete
GOS – Gossan

MODIFIERS
/ – interbedded
amy – amygdaloidal
ot – ash tuff
bd – banded
bx – bx tuff
brec – breccia
cht – cherty
cgl – conglom
cbn – carbonaceous
crs – coarse
fg – fine-grained
fis – fissile
fol – foliated
fr – fragmental
fe – feelie
fw – fine

grp – graphitic
ht – heterolithic tuff
lam – laminated
mod – moderate
nod – nodules
phy – phyllitic
pp – porphyritic
qtz – quartz
QE – quartz eye
sch – schistose
sil – silicified
sl – siliceous
slu – slicky
stwk – stockwork
sx – sulphide
vfg – very fine-grained
vf&lne – crystalline

COLOURS
bf – buff
bk – black
br – brown
gn – green
gy – grey
or – orange
rd – red
yl – yellow
pl – pale
dk – dark
md – medium

STRUCTURAL SYMBOLS

SYMBOLS
- bedding (inclined, vertical)
- foliation (inclined, vertical)
- lithological contact (mapped, inferred)
- Fault (mapped, inferred)
- Thrust fault
- Outcrop
- Gossanous area
- Float
- Stream sediment sample (4 digit # are RGS samples from GSC open file 1648) Sample#/Pb(ppm)/Zn(ppm)/Ag(ppm)/Au(K)
- Rock samples (float, outcrop) Sample#/Pb(ppm)/Zn(ppm)/Ag(ppm)/Au(K)
- Soil samples
  - 1997-98 Petra Sample Locations
  - 1990 Caminco Sample Locations

Ag (ppm) x Pb (ppm) Analytical Values
- > 90 Percentile Pb
- 80 – 90 Percentile Pb
- Minfile occurrence

* Mapping on Atna and Caminco claims by J Hunt 1998

scale: 1:5,000
0 50 100 150 200
metres

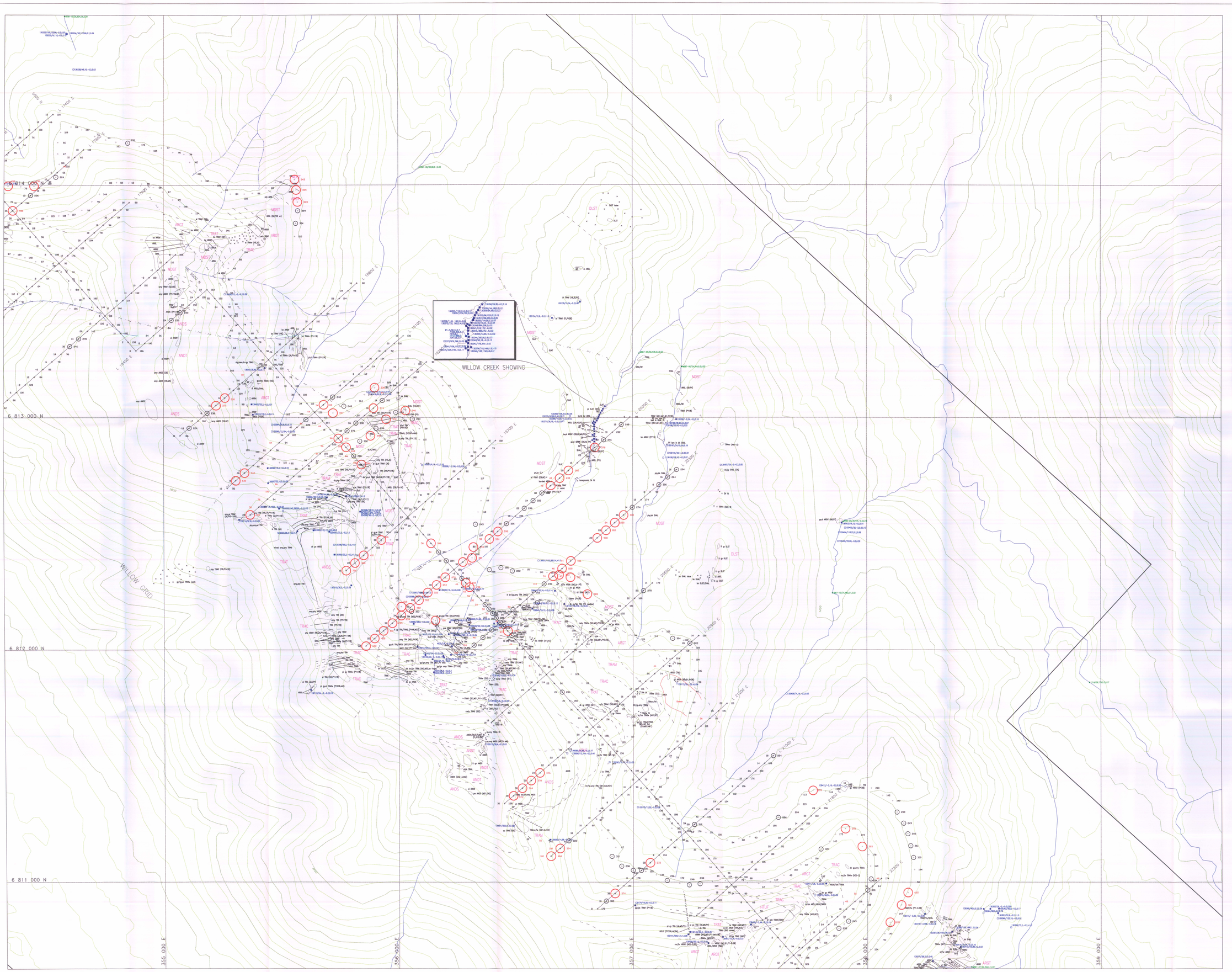
093983

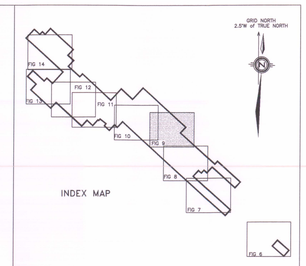
PETRA RESOURCE CORP

STARR PROJECT
GEOLOGY AND GEOCHEMISTRY COMPILATION
Pb / Ag SOIL GEOCHEMISTRY

	Date: March 1999	Scale: 1:5,000	Figure: 9a
U.T.M. Zone: NAD27 – Zone 8	Mining District: Watson Lake		
N.T.S.: 105G/5,6,12 F/8,9	State/Province: Yukon Territory		

Starr98_5A-9





INDEX MAP

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

TRAC Trachyte flows: Generally grey to buff in colour, weathering buff to orange forming prominent gossans. Consists of massive to amygdaloidal flows. Commonly exhibits eutaxitic texture, and fine (<1 mm) needle shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, locking amygdules. Buff to orange weathering, forming prominent gossans. Commonly pyritic. May include the following units:
Trachyte ash tuff, commonly with argillite clasts.
Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.

TRAM Maroon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and laths. Weakly pyritic locally, otherwise is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly schistose. Maybe equivalent to HTUF.

SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shaley clasts. Rare massive pyrite fragments. Commonly grades into MDST. May contain the following units:
Argillaceous crystal tuff: Similar to above with dominant fragment type(s) composed of feldspar crystal (<1 mm) and/or quartz eyes (<2 mm).
Argillaceous heterolithic tuff — Contains both trachytic and shaley fragments.
Argillaceous lapilli tuff — Fragments are dominantly trachytic lapilli.
Argillaceous bomb tuff — Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Pink/brown/buff weathering schistose heterolithic tuff. Commonly exhibiting silvery sheen. Clasts consist of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green—grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Commonly banded grey/buff, sucrosic texture.

OUTCROP DESCRIPTIVE CODES

UNITS
ANDS – mafic volcanics
ANDT – tuffs
ARGT – tuffaceous argillite
CHRT – chert
GYWK – greywacke
GYMK – greywacke
LMST – limestone
QZ–MS Ss – quartz–sericite schist
SHAL – shale
SLST – slate
TRA – undifferentiated trachyte flows and tuffs

ABBREVIATIONS
AK – Ankerite
CB – Carbonate
FL – Fluorite
PY – Pyrite
SC – Sericite
SI – Silicification
CL – Chloritic
FEC – Ferroroic
GOS – Gossan

MODIFIERS
/ – interbedded
amy – amygdaloidal
bf – buff
bd – banded
bt – bomb tuff
brc – breccia
chrt – cherty
clst – clasts
crb – carbonaceous
crs – coarse
fg – fine grained
fld – flood
fol – foliated
frg – fragments
fs – fissile
fw – flow
grp – graphitic
ht – heterolithic tuff
lt – lapilli tuff
mav – massive
nod – nodules
pil – pillowed
por – porphyritic
pw – pillowed
sch – schistose
wh – white/buff
shl – shaley
sil – silicious
sio – siotite
wk – wispy/wavy
xx – sulphide
vfg – very fine–grained
xtalline – crystalline

COLOURS
bf – buff
bk – black
brn – brown
gn – green
gy – grey
mr – maroon
or – orange
rd – red
yl – yellow
pl – pale
dk – dark
md – medium

STRUCTURAL SYMBOLS

SYMBOLS
bedding (inclined, vertical)
foliation (inclined, vertical)
lithological contact (mapped, inferred)
Fault (mapped, inferred)
Thrust fault
Outcrop
Gossanous area
Float
Stream sediment sample (4 digit # are RGS samples from GSC open file 1646) Sampled/Pb(ppm),Zn(ppm),Ag(ppm),Ba(K)
Soils samples (float, outcrop) Sampled/Pb(ppm),Zn(ppm),Ag(ppm),Ba(K)

Soil samples
1997–98 Petra Sample Locations
1990 Cominco Sample Locations

As (ppm) + Zn (ppm) Analytical Values
> 90 Percentile Zn
80 – 90 Percentile Zn
Minfile occurrence

* Mapping on Atna and Cominco claims by J Hunt 1998

scale: 1:5,000
0 50 100 150 200
metres

093983

PETRA RESOURCE CORP

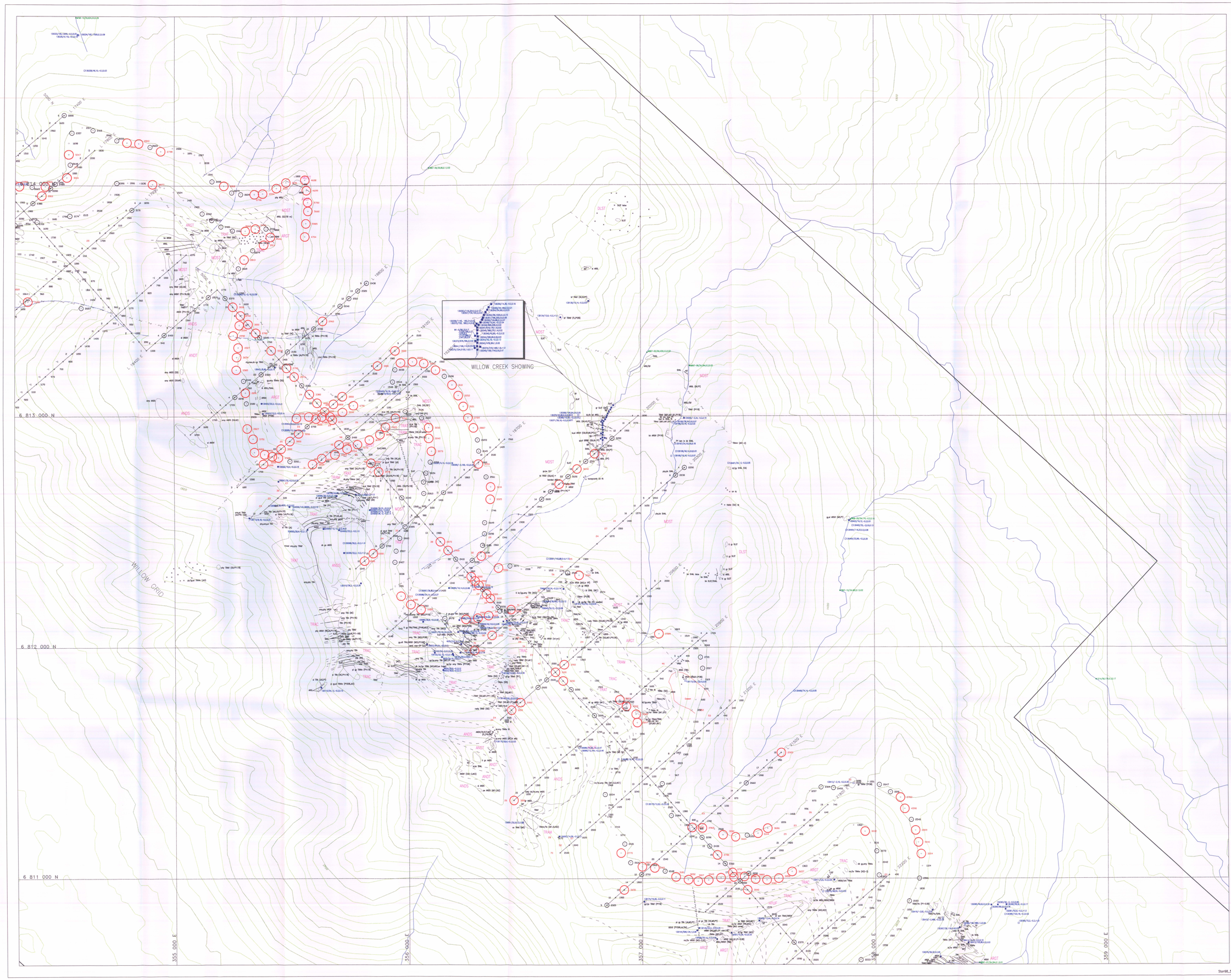
STARR PROJECT

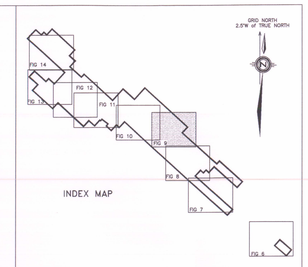
GEOLOGY AND GEOCHEMISTRY COMPILATION

Zn / As SOIL GEOCHEMISTRY

EQUITY	Date: March 1999	Scale: 1:5,000	Figure: 9b
	UTM Zone: NAD27 – Zone 8	Mining District: Watson Lake	
	NTS: 105G/5,6,12 F/8,9	State/Province: Yukon Territory	

Starr98_5k-9





INDEX MAP

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

TRAC Trachyte flows: Generally grey to buff in colour, weathering buff to orange forming prominent pseudos. Consists of massive to amygdaloidal flows. Commonly exhibits eutrexic texture, and fine (<1 mm) needle shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, locking amygdules. Buff to orage weathering, forming prominent pseudos. Commonly pyritic. May include the following units:
Trachyte ash tuff, commonly with argillite clasts.
Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.

TRAM Maroon trachyte dykes and flows: Texture ranges from very fine--grained to fine--grained needles and latha. Weaky pyritic locally, alteration is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green matic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated matic tuffs: Dark brown to olive green in colour. Commonly ashalases. Maybe equivalent to HTUF.

SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shaley clasts. Rare massive pyrite fragments. Commonly grades into MDST. May include the following units:
Argillaceous crystal tuff. Similar to above with dominant fragment type(s) composed of feldspar crystal (<1 mm) and/or quartz eyes (<2 mm).
Argillaceous heterolithic tuff -- Contains both trachytic and shaley fragments.
Argillaceous lapilli tuff -- Fragments are dominantly trachyte lapilli.
Argillaceous bomb tuff -- Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Pink/brown/buff weathering ashalase heterolithic tuff. Commonly exhibiting silvery sheen. Clasts consist of pale green fragments (volcanic) and strongly iron carbonate stained orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green--grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Comonly banded grey/buff, eucrexic texture.

OUTCROP DESCRIPTIVE CODES

UNITS

ANDS – matic volcanics
ANDT – tuffaceous
ARGS – tuffaceous argillite
CHRT – chert
CLST – calcsiltstone
GYWK – greywacke
LMST – limestone
QZ–MS Sc – quartz–sericite schist
SHAL – shale
SLAT – slate
TRA – undifferentiated trachyte flows and tuffs

ABBREVIATIONS

AK – Ankerite
DA – Biotite
FL – Flourite
PY – Pyrite
SD – Siderite
SI – Silicification
SP – Sphalerite
FEC – Ferricrete
GOS – Gossan

MODIFIERS

/ – interbedded
amy – amygdaloidal
ash – ash tuff
bl – blocky
bt – bomb tuff
bx– breccia
chlt – chlorite
cgl – conglomerate
crs – coarse
fg – fine–grained
fol – foliated
fol – foliated
fr – fragments
fs – fissile
fw – flow
grp – grapholitic
ht – heterolithic tuff
lt – lapilli tuff
nod – nodules
phy – phyllitic
por – porphyritic
pp – pillowed
QE – quartz eye
sch – schistose
shl – shaley
sil – siliceous
slty – slithy
stkwk – stockwork
sx – suturite
vfg – very fine–grained
vtalline – crystalline

COLOURS

bf – buff
bk – black
br – brown
gn – green
gy – grey
mr – maroon
or – orange
rd – red
yl – yellow

pl – pale
dk – dark
md – medium

STRUCTURAL SYMBOLS

SYMBOLS

- bedding (inclined, vertical)
- foliation (inclined, vertical)
- lithological contact (mapped, inferred)
- Fault (mapped, inferred)
- Thrust fault
- Outcrop
- Gossanous area
- Float
- Stream sediment sample (4 digit # are RGS samples from OSC open file 1648) Sample#/Pb(ppm),Zn(ppm),Ag(ppm),Ba(PK)
- Rock sample (Trace outcrop) Sample#/Pb(ppm),Zn(ppm),Ag(ppm),Ba(PK)
- Soil samples
- 1997–98 Petra Sample Locations
- 1990 Cominco Sample Locations

Mo (ppm) + Ba (ppm) Analytical Values

- > 90 Percentile Ba
- 80 – 90 Percentile Ba
- Minfile occurrence

* Mapping on Atna and Cominco claims by J Hunt 1998

scale: 1:5,000
0 50 100 150 200
metres

093983

PETRA RESOURCE CORP

STARR PROJECT

GEOLOGY AND GEOCHEMISTRY COMPILATION

Ba / Mo SOIL GEOCHEMISTRY

Date	March 1999	Scale	1:5,000
UTM Zone	NAD27 – Zone 8	Mining District	Watson Lake
NTS	105O/5,6,12 F/8,9	State/Province	Yukon Territory

Figure 9c

PYRITE CREEK SHOWING

GOSSAN 5

WILLOW GRID

6 815 000 N

6 814 000 N

6 813 000 N

6 812 000 N

351 000 E

352 000 E

353 000 E

354 000 E

355 000 E

5000 N

4500 N

4000 N

3500 N

L 17400 E

L 17600 E

L 17800 E

L 18000 E

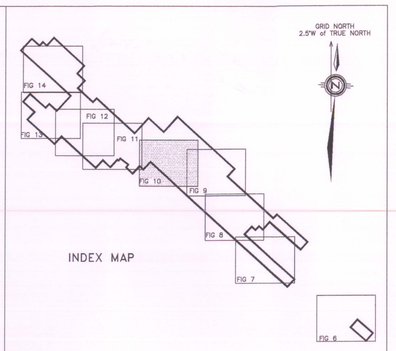
L 18200 E

L 18400 E

L 18600 E

L 18800 E

CL 1421



INDEX MAP

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

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TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, lacking amygdules. Buff to orage weathering, forming prominent gossans. Commonly pyritic. May include the following units:
Trachyte ash tuff; commonly with orgillite clasts.
Trachyte ash tuff, very fine grained, glassy, occasionaly weakly banded.

TRAM Maroon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and lathe. Weakly pyritic locally, alteration is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly aoitalose. Maybe equivalent to HTMF.

SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shaley clasts. Rare massive pyrite fragments. Commonly grades into MDST. May exhibit colour banding on cm scale.
Argillaceous crystal tuff – Similar to above with dominant fragment type(s) composed of feldspar crystal (<1 mm) and/or quartz eyes (<2 mm).
Argillaceous heterolithic tuff – Contains both trachytic and shaley fragments.
Argillaceous lapilli tuff – Fragments are dominantly trachyte lapilli.
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HTUF Heterolithic tuff: Pink/brown/buff weathering aoitaloses heterolithic tuff. Commonly exhibiting silvery sheen. Clasts consist of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltatone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, orgillite and slate.

CHRT Grey, buff or green–grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Comonly banded grey/buff, suorsoic texture.

OUTCROP DESCRIPTIVE CODES

UNITS
ANDS – mafic volcanics
ARGL – argillite
ARGT – tuffaceous argillite
CHRT – chert
DLST – dolostone
GYWK – greywacke
LMST – limestone
QMS Sil – quartz–sericite schist
SHAL – shale
SLAT – slate
TRA – undifferentiated trachyte flows and tuffs

ABBREVIATIONS
AK – Ankerite
BA – Biotite
FL – Flourite
PY – Pyrite
SD – Siderite
SE – Sericite
SI – Silicification
SP – Spherlerite
FEC – Ferricrete
GOS – Gossan

MODIFIERS
/ – interbedded
amy – amygdaloidal
bd – banded
bd – banded
brt – bomb tuff
brx – breccia
chrt – charty
crbn – carbon
crbs – carbonaceous
crs – coarse
fg – fine grained
fol – foliated
fol – foliated
fr – fragmenta
fs – fissile
fw – flow

grp – graphitic
ht – heterolithic tuff
lap – lapilli
mav – massive
nod – nodules
phy – phyllitic
pp – porphyritic
qtz – quartz
QE – quartz eye
sch – schistose
sil – silicious
st – silicious
slia – slaley
slick – slickwork
sv – subfolio
vfg – very fine–grained
vit/vitre – vitrystalline

COLOURS
bf – buff
bk – black
br – brown
gn – green
gy – grey
mr – maroon
or – orange
rd – red
yl – yellow

pl – pale
dk – dark
md – medium

STRUCTURAL SYMBOLS

SYMBOLS
bedding (inclined, vertical)
foliation (inclined, vertical)
lithological contact (mapped, inferred)
Fault (mapped, inferred)
Thrust fault
Outcrop
Gossanous area
Float
Stream sediment sample (4 digit # are RGS samples from GSC open file 1648)
Sample#/Pb(ppm),Zn(ppm),Ag(ppm),Mo(%)
Rock samples (hand, outcrop)
Sample#/Pb(ppm),Zn(ppm),Ag(ppm),Mo(%)
Soil samples
1987–88 Petra Sample Locations
1990 Cominco Sample Locations
Ag (ppm) = Pb (ppm) Analytical Values
> 90 Percentile Pb
80 – 90 Percentile Pb
Minfile occurrence
* Mapping on Abra and Cominco claims by J Hunt 1998

scale: 1:5,000
0 50 100 150 200
metres

093983

PETRA RESOURCE CORP

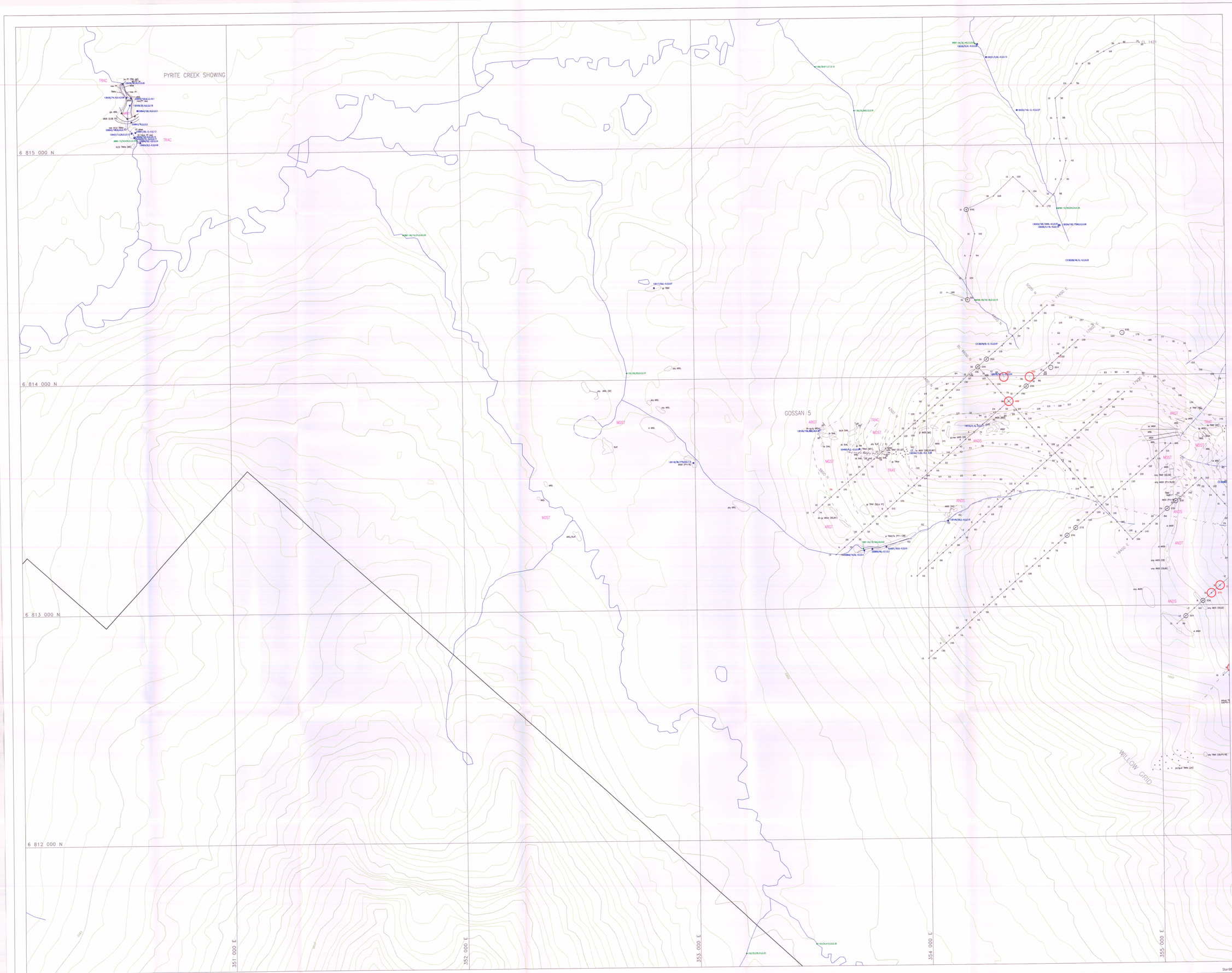
STARR PROJECT

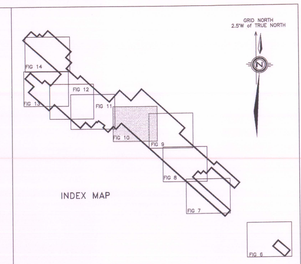
GEOLOGY AND GEOCHEMISTY COMPILATION

Pb / Ag SOIL GEOCHEMISTRY

	Date: March 1999	Scale: 1:5,000	Figure: 10a
	UTM Zone: NAD27 – Zone 8	Mining District: Watson Lake	
	NTS: 105G/5,6,12 F/8,9	State/Province: Yukon Territory	

Starr98_5k–10





LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

TRAC Trachyte flows. Generally grey to buff in colour, weathering buff to orange forming prominent ridges. Commonly massive to amygdaloidal flows. Commonly exhibits sunsoid texture, and fine (<1 mm) needle shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, lacking amygdules. Buff to orange weathering, commonly prominent gossans. Commonly pyritic. May include the following units:
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Ad – adularia
Ba – Barite
Fl, – Fluorite
Py – Pyrite
Sc – Sericite
Si – Silicification
SP – Sphalerite
YSC – Yellow sericite
QGS – Gossan

MODIFIERS
/ – interbedded
amy – amygdaloidal
ash – ash tuff
bl – blocky
bt – bomb tuff
bx– breccia
chlt – chalky
clst – clastic
cs – coarse-crystalline
crs – coarse
fg – fine-grained
fol – foliated
fo – folded
fr – fragmental
fs – fissile
fw – flow
grp – graphitic
ht – heterolithic tuff
li – lapilli tuff
lt – lithic tuff
nod – nodules
phy – phyllitic
por – porphyritic
pl – pillowed
QE – quartz eye
sch – schistose
shl – shaley
sil – siliceous
sls – siltstey
stkwk – stockwork
sx – euhedral
vfg – very fine-grained
vlsilnx – crystalline

COLOURS
brl – buff
blk – black
br – brown
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or – orange
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SYMBOLS
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foliation (inclined, vertical)
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Gossanous area
Float
Stream sediment sample (4 digit # are RGS samples from GSC open file 1648)
Sampled Pb(ppm),Zn(ppm),Ag(ppm),Ba(%)
Rock samples (Rock, outcrop)
Sampled Pb(ppm),Zn(ppm),Ag(ppm),Ba(%)
Soil samples
1997–98 Petro Sample Locations
1998 Cominco Sample Locations
As (ppm) x Zn (ppm) Analytical Values
> 90 Percentile Zn
80 – 90 Percentile Zn
Minfile occurrence
* Mapping on Abra and Cominco claims by J Hunt 1998

scale: 1:5,000
0 50 100 150 200
metres

093983

PETRA RESOURCE CORP
STARR PROJECT
GEOLOGY AND GEOCHEMISTRY COMPILATION
Zn / As SOIL GEOCHEMISTRY

Date: March 1999	Scale: 1:5,000		Figure: 10b
UTM Zone: NAD27 – Zone 8	Mining District: Watson Lake		
NTS: 105c/5,6,12 F/8,9	State/Province: Yukon Territory		

PYRITE CREEK SHOWING

GOSSAN 5

6 815 000 N

6 814 000 N

6 813 000 N

6 812 000 N

351 000 E

352 000 E

353 000 E

354 000 E

355 000 E

WILLOW GRID

GRID NORTH
2.0° of TRUE NORTH

INDEX MAP

FIG. 14 FIG. 12 FIG. 1 FIG. 13 FIG. 9 FIG. 2 FIG. 7 FIG. 6

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

TRAC Trachyte flows: Generally grey to buff in colour, weathering buff to orange forming prominent ledges. Consists of massive to amygdaloidal flows. Commonly exhibits eutaxitic texture, and fine (<1 mm) needle shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, lacking amygdules. Buff to orange weathering, forming prominent ledges. Commonly pyritic. May include the following units:
Trachyte ash tuff, commonly with angillite clasts.
Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.

TRAM Monzon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and latths. Weakly pyritic locally, otherwise is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly schistose. Maybe equivalent to HTAF.

SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shaley clasts. Rare massive pyrite fragments. Commonly grades into MDST. May contain the following units:
Argillaceous crystal tuff: Similar to above with dominant fragment type(s) composed of feldspar crystal (<1 mm) and/or quartz eyes (<2 mm).
Argillaceous heterolithic tuff — Contains trachytic, mafic and shaley fragments.
Argillaceous lapilli tuff — Fragments are dominantly trachyte lapilli.
Argillaceous bomb tuff — Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Pink/brown/buff weathering schistose heterolithic tuff. Commonly exhibiting silvery sheen. Clasts consist of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green—grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Comonly banded grey/buff, sucrosic texture.

OUTCROP DESCRIPTIVE CODES

UNITS
ANDS — mafic volcanics
ANDT — tuffs
ARGT — tuffaceous argillite
CHRT — chert
DLST — dolostone
GYWK — greywacke
LMST — limestone
QZ—MS Sc — quartz—sericite schist
SHAL — shale
TRAC — trachyte
TRA — undifferentiated trachye flows and tuffs

ABBREVIATIONS
AK — Arkarite
BA — Barite
FL — Fluorite
PY — Pyrite
SPH — Sphalerite
SU — Silicification
SP — Sphalerite
FEC — Ferricrete
GOS — Gossan

MODIFIERS
/ — interbedded
amy — amygdaloidal
ash — ash tuff
bd — banded
brc — breccia tuff
lam — laminated
chrt — charty
clast — clasts
calc — calcareous
cris — crinoid
fg — fine-grained
flt — fault
fol — foliated
frag — fragments
fls — fissile
fw — flow
grp — graphitic
ht — heterolithic tuff
lt — lapilli tuff
mas — massive
nod — nodules
phy — phyllitic
pp — porphyritic
pw — pillowed
qfp — quartz eye
sch — schistose
shl — shaley
sil — siliceous
stc — stockwork
stwk — stockwork
sx — sulphide
vfg — very fine-grained
xtalline — crystalline

COLOURS
blf — buff
blk — black
br — brown
gn — green
gy — grey
or — orange
rd — red
yl — yellow

gt — pale
dk — dark
md — medium

STRUCTURAL SYMBOLS

SYMBOLS
bedding (inclined, vertical)
foliation (inclined, vertical)
lithological contact (mapped, inferred)
Fault (mapped, inferred)
Thrust fault
Outcrop
Gossanous area
Float
Stream sediment sample (4 digit # are RGS samples from GSC open file 1648)
Sampled/Pb(ppm),Zn(ppm),Ag(ppm),Ba(%)
Soil samples (Top), outcrop)
Sampled/Pb(ppm),Zn(ppm),Ag(ppm),Ba(%)
Soil samples
1997-98 Petra Sample Locations
1990 Cominco Sample Locations
Mo (ppm) + Ba (ppm) Analytical Values
> 90 Percentile Ba
80 — 90 Percentile Ba
Minfile occurrence
* Mapping on Ana and Cominco claims by J Hunt 1998

scale: 1:5,000
0 50 100 150 200
metres

093983

PETRA RESOURCE CORP

STARR PROJECT

GEOLOGY AND GEOCHEMISTY COMPILATION

Ba / Mo SOIL GEOCHEMISTRY

	Date: March 1999	Scale: 1:5,000	Figure: 10c
	U.T.M. Zone: NAD27 — Zone 8	Mining District: Watson Lake	
	N.T.S.: 105G/5,6,12 F/8,9	State/Province: Yukon Territory	

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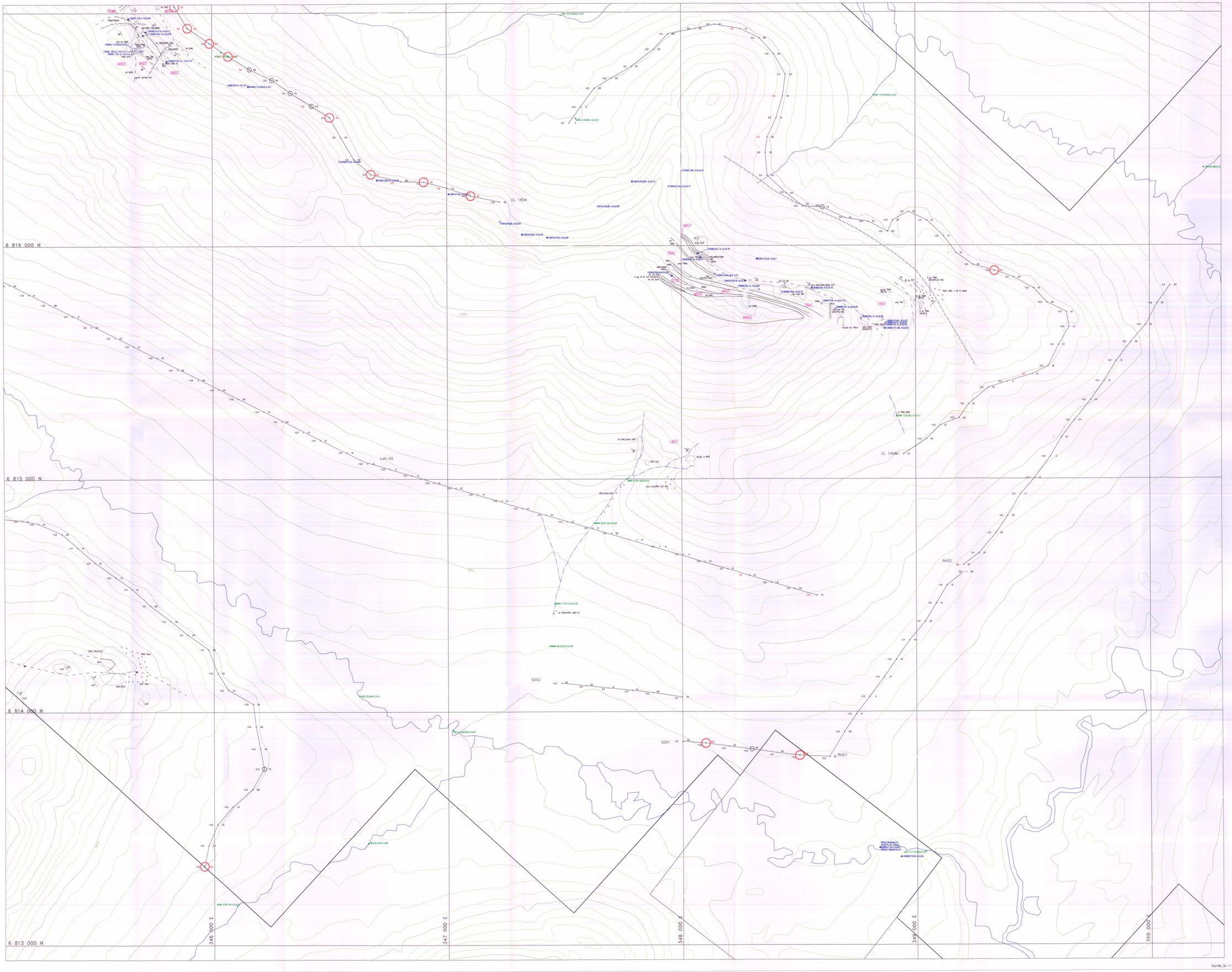

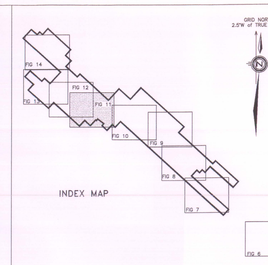

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Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.

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ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

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Argillaceous bomb tuff — Fragments are commonly large (>15 cm) trachyte bombs.

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GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green—grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Comonly banded grey/buff, sucrosic texture.

OUTCROP DESCRIPTIVE CODES

UNITS
ANDS — mafic volcanics
ANDT — tuffaceous
ARGS — tuffaceous argillite
CHRT — chert
DLST — dolostone
GYWK — greywacke
LMST — limestone
QZ+MS Sc — quartz-sericite schist
SHAL — shale
TRAC — trachyte
TRA — undifferentiated trachyte flows and tuffs

ABBREVIATIONS
AK — Ankerite
BA — Barite
FL — Fluorite
MS — Mariposite
MZ — Servicite
SI — Silicification
SP — Sphalerite
FEC — Ferricrete
OOS — Gossan

MODIFIERS
/ — interbedded
amy — amygdaloidal
bd — banded
bd — bedded
bt — bomb tuff
bx — breccia
chl — chalky
clast — clasts
crb — carbonaceous
crs — coarse
fg — fine-grained
fol — foliated
fol — foliaments
fx — fissile
fw — flow
gra — graphitic
ht — heterolithic tuff
lt — lapilli tuff
mav — massive
nod — nodules
py — pyritic
pp — porphyritic
pw — pillowed
qe — quartz eye
sch — schistose
shl — shaley
si — siliceous
slp — slaty
stw — stockwork
su — sulphide
vfg — very fine-grained
xline — crystalline

COLOURS
buf — buff
bk — black
br — brown
gn — green
gy — grey
mr — maroon
or — orange
rd — red
yl — yellow

pl — pale
dk — dark
md — medium

STRUCTURAL SYMBOLS

SYMBOLS
- bedding (inclined, vertical)
- foliation (inclined, vertical)
- lithological contact (mapped, inferred)
- Fault (mapped, inferred)
- Thrust fault
- Outcrop
- Gossanous area
- Float
- Stream sediment sample (4 digit # are RGS samples from GSC open file 1548) Sampled/Pb(ppm),Zn(ppm),Ag(ppm),Au(ppb)
- Rock samples (Dark, outcrop) Sampled/Pb(ppm),Zn(ppm),Ag(ppm),Au(ppb)

Soil samples
+ 1997-98 Petra Sample Locations
+ 1990 Caminos Sample Locations

Ag (ppm) + Pb (ppm) — Analytical Values
- > 90 Percentile Pb
- 80 – 90 Percentile Pb
- Minfile occurrence

* Mapping on Atna and Caminos claims by J Hunt 1998

scale: 1:5,000
0 50 100 150 200
metres

093983

PETRA RESOURCE CORP

STARR PROJECT

GEOLOGY AND GEOCHEMISTRY COMPILATION

Pb / Ag SOIL GEOCHEMISTRY

Date: March 1999	Scale: 1:5,000	Figure: 11a
U.T.M. Zone: NAD27 – Zone 8	Mining District: Watson Lake	
N.T.S.: 105G/5,6,12 F/8,9	Province: Yukon Territory	

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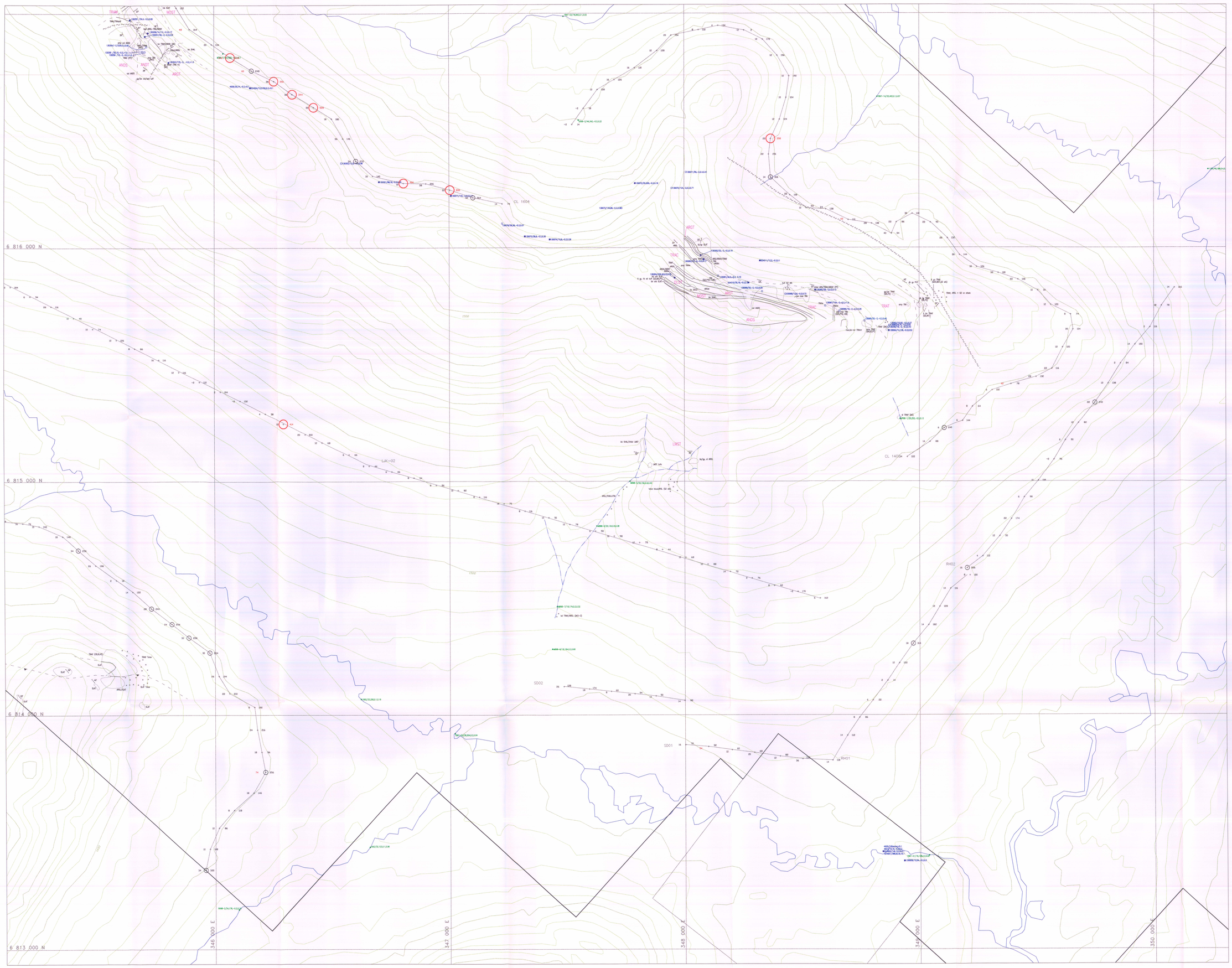

GRID NORTH
2.2°W of TRUE NORTH

INDEX MAP

FIG 14 FIG 13 FIG 12 FIG 11 FIG 10 FIG 9 FIG 8 FIG 7 FIG 6

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

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TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, locking amygdules. Buff to beige weathering, forming prominent grooves. Commonly pyritic. May include the following units:
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Argillaceous lapilli tuff – Fragments are dominantly trachyte lapilli.
Argillaceous bomb tuff – Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Pink/brown/buff weathering schistose heterolithic tuff. Commonly exhibiting silver sheen. Clasts consist of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 10 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

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MS – Sericite
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SP – Sphalerite
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GOS – Gossan

MODIFIERS
/ – interbedded
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bl – blocky
bt – bomb tuff
bx– breccia
cgl – conglom
cla – clasts
crb – carbonaceous
crs – coarse
fg – fine–grained
fol – foliated
fol – foliated
fr – fragments
fs – fissile
fw – flow
grp – graphitic
ht – heterolithic tuff
l – lapilli tuff
mav – massive
nod – nodules
phy – phyllitic
pil – pillowed
pw – pillowed
QE – quartz eye
sch – schistose
shl – shaley
sil – siliceous
str – stalky
stwk – stockwork
vf – very fine
vfg – very fine–grained
vtalline – crystalline

COLOURS
bf – buff
bk – black
br – brown
gn – green
gy – grey
mr – maroon
or – orange
rd – red
yl – yellow

pl – pale
dk – dark
md – medium

STRUCTURAL SYMBOLS

SYMBOLS
bedding (inclined, vertical)
foliation (inclined, vertical)
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Fault (mapped, inferred)
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Outcrop
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Stream sediment sample (4 digit # are RGS samples from GSC open file 1648)
Sample#/Pb(ppm),Zn(ppm),Ag(ppm),Sb(%)
Stream sediment (Anomalous)
Sample#/Pb(ppm),Zn(ppm),Ag(ppm),Sb(%)
Soil samples
1997–98 Petra Sample Locations
1990 Cominco Sample Locations
As (ppm) + Zn (ppm) Analytical Values
> 90 Percentile Zn
80 – 90 Percentile Zn
Minfile occurrence

* Mapping on Atna and Cominco claims by J Hunt 1998

scale: 1:5,000
0 50 100 150 250
Isolines

093983

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STARR PROJECT

GEOLOGY AND GEOCHEMISTRY COMPILATION

Zn / As SOIL GEOCHEMISTRY

EQUITY	Date: March 1999	Scale: 1:5,000	Figure: 11b
	U.T.M. Zone: NAD27 – Zone 8	Mining District: Watson Lake	
	N.T.S.: 105G/5,6,12 F/8,9	State/Province: Yukon Territory	

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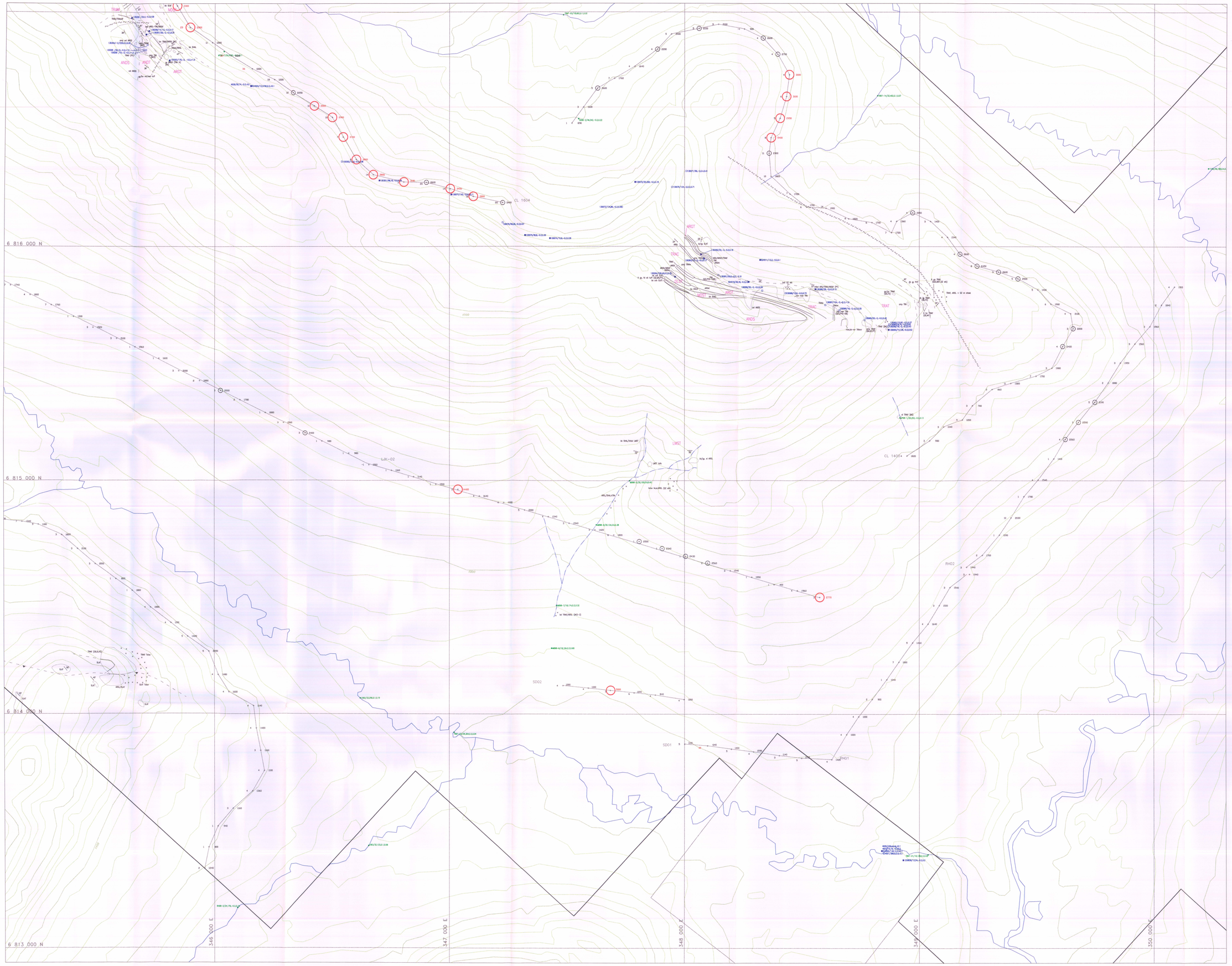

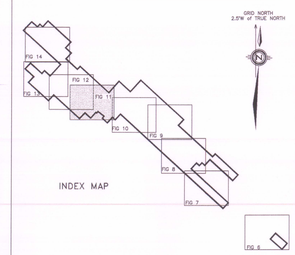

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

TRAC Trachyte flows: Generally grey to buff in colour, weathering buff to orange forming prominent ridges. Commonly aphanitic to amygdaloidal flows. Commonly exhibits eutaxitic texture, and fine (<2 mm) wispy wispy shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA units.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, lacking amygdules. Buff to beige weathering, forming prominent ridges. Commonly pyritic. May include the following units:
Trachyte ash tuff, commonly with argillite clasts.
Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.

TRAM Maroon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and latha. Weakly pyritic locally, alteration is minor compared to TRAC and TRAT.

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ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly schistose. Maybe equivalent to MDST.

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Argillaceous lapilli tuff – Fragments are dominantly trachyte lapilli.
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HTUF Heterolithic tuff: Pink/brown/buff weathering siltstone heterolithic tuff. Commonly exhibiting graded bedding. Consist of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green-grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

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OUTCROP DESCRIPTIVE CODES

UNITS

ANDS – mafic volcanics
ARGT – argillite
ARGT – tuffaceous argillite
CHRT – chert
LMST – limestone
GYWK – greywacke
LMST – limestone
SZ-MS Ss – quartz-sericite schist
SHAL – shale
SLAT – slate
TRA – undifferentiated trachyte flows and tuffs

ABBREVIATIONS

AK – Arkosite
BA – Biotite
FL – Flourite
HE – Hematite
MS – Sericite
SI – Silicification
SP – Sphalerite
FEC – Ferricrete
GOS – Gossan

MODIFIERS

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at – ash tuff
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bt – bomb tuff
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cht – charty
clst – clastic
cly – argillaceous
crs – coarse
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fl – fluid
fol – foliated
fp – feldspar
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mod – nodules
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br – brown
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STRUCTURAL SYMBOLS

SYMBOLS

- bedding (inclined, vertical)
- foliation (inclined, vertical)
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scale: 1:5,000
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metres

093983

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	Date: March 1999	Scale: 1:5,000	Figure: 11c
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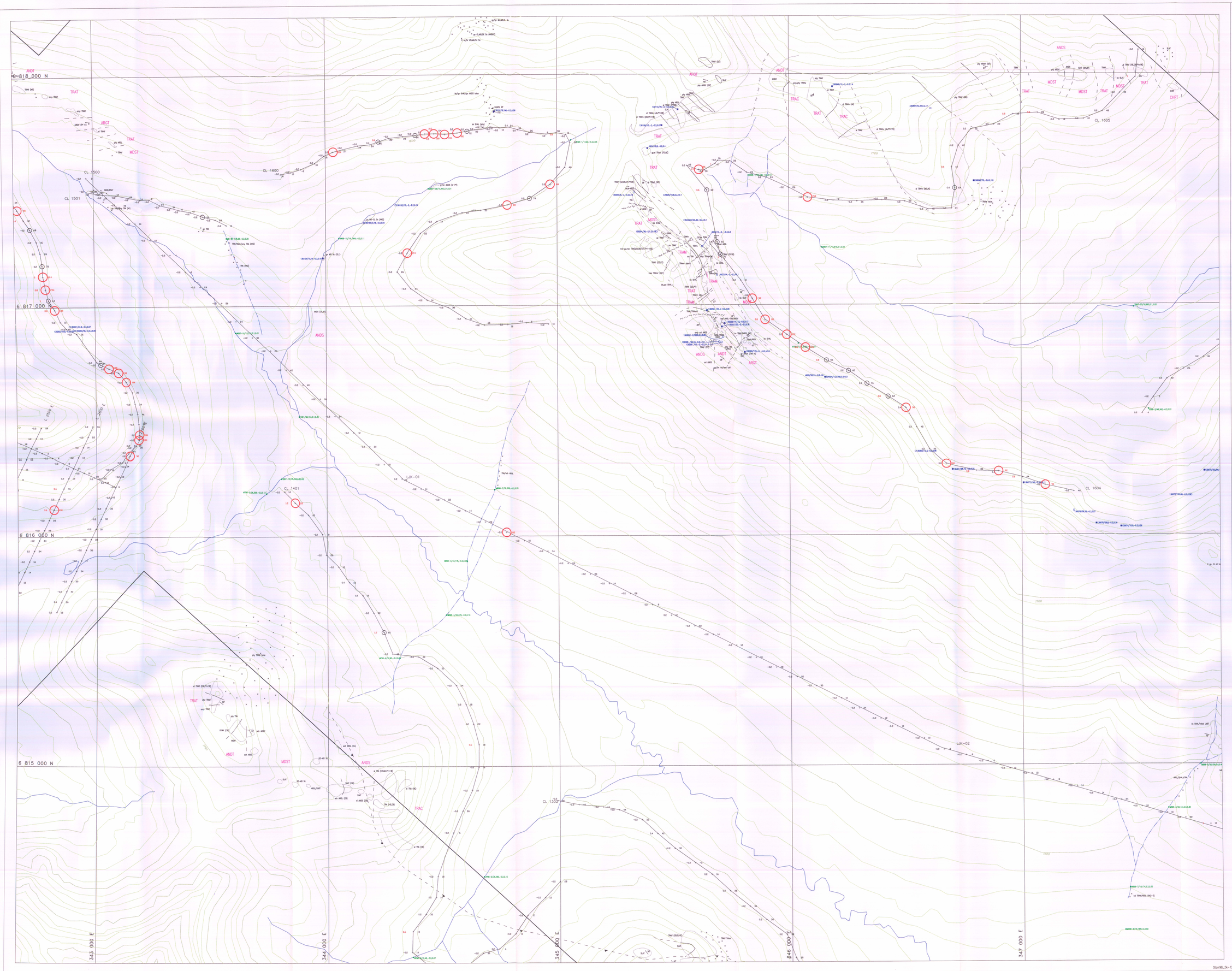
Starr98_Sk-11



LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

TRAC Trachyte flows: Generally grey to buff in colour, weathering buff to orange forming prominent cliffs. Commonly flow banded and locally autobrecciated. Texture ranges from aphyric to sparsely and finely (<1 mm) feldspar phyric. Commonly contains minor amounts of hornblende and biotite crystals. Commonly porphyritic. Characteristically blocky fracture. Includes the undifferentiated TRA unit.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, locking amygdules. Buff to orange weathering, forming prominent bedding. Commonly pyritic. May include the following units:
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bt – bomb tuff
br– breccia
cgl – conglomerate
cls – clasts
carb – carbonaceous
crs – coarse
fg – fine-grained
fol – foliated
hol – hololed
fr – fragments
fis – fissile
fw – flow

grg – graphitic
lapilli – lapilli tuff
lt – lithic tuff
mav – massive
nod – nodules
phy – phyllitic
pil – pillowed
pw – pillowed
QE – quartz eye
sch – schistose
sbl – shaley
str – stratified
sks – sticky
slkwk – stockwork
vn – veinlets
vfg – very fine-grained
xtalline – crystalline

COLOURS
bf – buff
bk – black
br – brown
gn – green
gy – grey
mv – mahon
or – orange
rd – red
yl – yellow

pl – pale
dk – dark
md – medium

STRUCTURAL SYMBOLS

SYMBOLS
- bedding (inclined, vertical)
- foliation (inclined, vertical)
- lithological contact (mapped, inferred)
- Fault (mapped, inferred)
- Thrust fault
- Outcrop
- Gossanous area
- Float
- Stream sediment sample (4 digit # are RGS samples from GSC open file 1648) Sampled/Pb(ppm),Zn(ppm),Ag(ppm),Au(K)
- Rock samples (trench, outcrop) Sampled/Pb(ppm),Zn(ppm),Ag(ppm),Au(K)

Soil samples
- 1997–98 Petra Sample Locations
- 1990 Cominco Sample Locations

Ag (ppm) + Pb (ppm) Analytical Values
- > 90 Percentile Pb
- 80 – 90 Percentile Pb
- Mintle occurrence

* Mapping on Atna and Cominco claims by J Hunt 1998

scale: 1:5,000
0 50 100 150 200 250
metres

093983

PETRA RESOURCE CORP

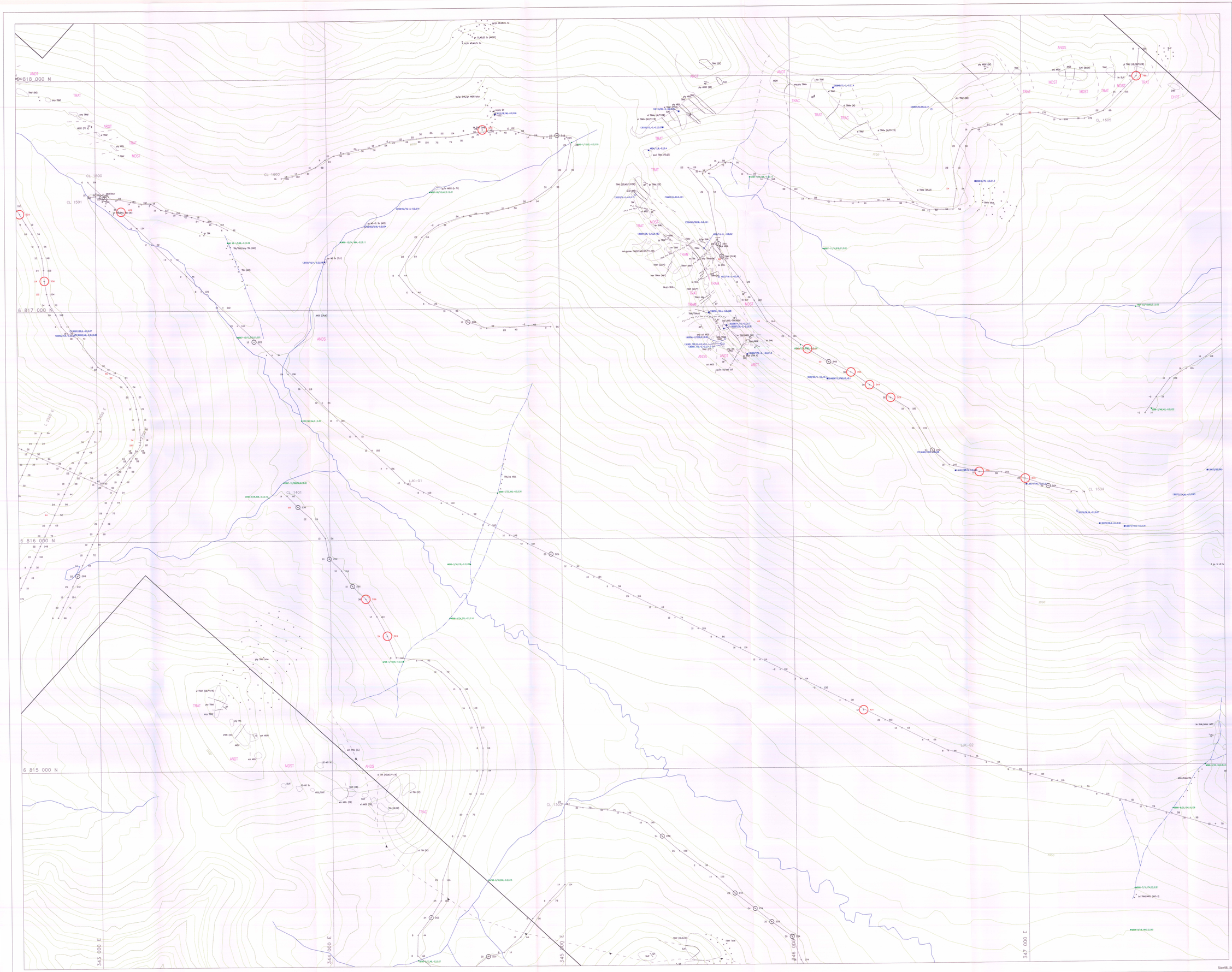
STARR PROJECT

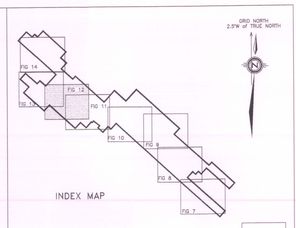
GEOLOGY AND GEOCHEMISTRY COMPILATION

Pb / Ag SOIL GEOCHEMISTRY

EQUITY	Date: March 1999	Scale: 1:5,000	Figure: 12a
	U.T.M. Zone: NAD27 – Zone 8	Mining District: Watson Lake	
	N.T.S.: 105G/5,6,12 F/8,9	State/Province: Yukon Territory	

Starr98_5k-12





INDEX MAP

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

TRAC Trachyte flows: Generally grey to buff in colour weathering buff to orange forming prominent cliffs. Commonly flow banded, locally amygdaloidal. Commonly exhibits sucrosic texture, and fine (<1 mm) needle shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, locally amygdules. Buff to orange weathering, forming prominent gossans. Commonly pyritic. May include the following units:
Trachyte ash tuff, commonly with argillite clasts.
Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.

TRAM Maroon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and lathe. Weakly pyritic locally, alteration is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly schistose. Maybe equivalent to HTUF.

SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shaley clasts. Rare massive pyrite fragments. Commonly grades into MDST. May contain the following units:
Argillaceous crystal tuff: Similar to above with dominant fragment type(s) composed of feldspar crystal (<1 mm) and/or quartz eyes (<2 mm).
Argillaceous lapilli tuff – Fragments are dominantly trachytic and shaley fragments.
Argillaceous lapilli tuff – Fragments are dominantly trachyte lapilli.
Argillaceous bomb tuff – Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Poly brown/buff weathering schistose heterolithic tuff. Commonly exhibiting strong shear fabric. Locally overall of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green-grey chert. Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Comonly banded grey/buff, sucrosic texture.

OUTCROP DESCRIPTIVE CODES

UNITS
ANDS – mafic volcanics
ARGL – argillite
ARGM – tuffaceous argillite
CHRT – chert
DLST – dolostone
GYWK – greywacke
LMST – limestone
QZ–MS Sc – quartz–sericite schist
SHAL – shale
TRAC – trachyte
TRA – undifferentiated trachyte flows and tuffs

ABBREVIATIONS
AK – Ankerite
BA – Barite
CB – Calcite
FY – Pyrite
MS – Sericite
SI – Silicification
SP – Sphalerite
FEC – Ferricrete
GOS – Gossan

MODIFIERS
/ – interbedded
amy – amygdaloidal
ash – ash tuff
bd – bomb
blk – blocky
brc – breccia
chlt – chlorite
cla – clastic
cly – clay/argillaceous
crs – coarse
fg – fine-grained
fl – flow
fol – foliated
fp – feldspar
fra – fissile
fw – flow
grp – graphitic
ht – heterolithic/lithic tuff
lt – lapilli tuff
pf – pyroclastic
pod – podiform
py – pyritic
qtz – quartz
rod – nodules
phy – phyllitic
por – porphyritic
pw – pillowed
qv – quartz eye
sch – schistose
shl – shaley
sil – siliceous
slo – slaty
stwk – stockwork
sx – sulphide
vfg – very fine-grained
xtalline – crystalline

COLOURS
bf – buff
blk – black
br – brown
gn – green
gy – grey
mr – maroon
or – orange
rd – red
yl – yellow
lt – light
dk – dark
md – medium

STRUCTURAL SYMBOLS

SYMBOLS
- bedding (inclined, vertical)
- foliation (inclined, vertical)
- lithological contact (mapped, inferred)
- Fault (mapped, inferred)
- Thrust fault
- Outcrop
- Gossanous area
- Float
- Stream sediment samples (4 digit # are RGS samples from OSC open file 1648) Sampled/Pb(ppm)Zn(ppm)As(ppm)Sb(%)
- Rock samples (Trace outcrop) Sampled/Pb(ppm)Zn(ppm)As(ppm)Sb(%)
- Soil samples
  - 1997–98 Petra Sample Locations
  - 1990 Cominco Sample Locations

As (ppm) + Zn (ppm) Analytical Values
- > 90 Percentile Zn
- 80 – 90 Percentile Zn
- Minfile occurrence

* Mapping on Atna and Cominco claims by J Hunt 1998

scale:1:5,000
0 50 100 150 200
metres

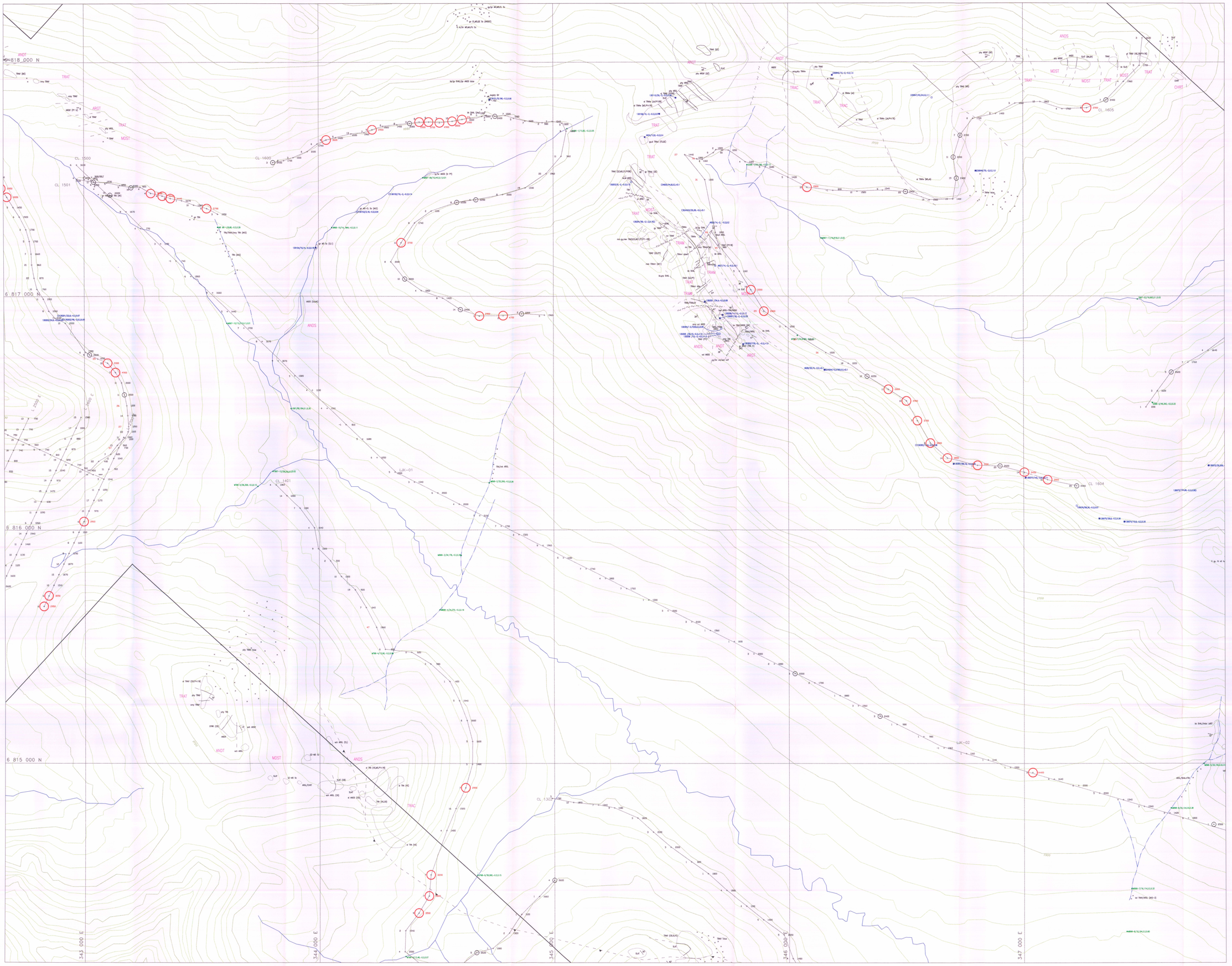
093983

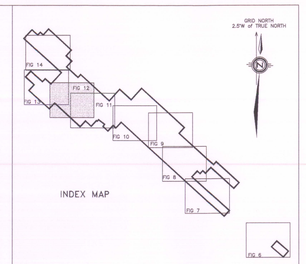
PETRA RESOURCE CORP
STARR PROJECT
GEOLOGY AND GEOCHEMISTRY COMPILATION
Zn / As SOIL GEOCHEMISTRY

Date	March 1999	Scale	1:5,000
U.T.M. Zone	NAD27 – Zone 8	Mining District	Watson Lake
N.T.S.	105G/5,6,12 F/8,9	State/Province	Yukon Territory

Figure 12b

Starr98_5k-12





INDEX MAP

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

TRAC Trachyte flows: Generally grey to buff in colour, weathering buff to orange forming prominent gossans. Consists of massive to amygdaloidal flows. Commonly exhibits eutrinoid texture, and fine (<1 mm) needle shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, locking amygdules. Buff to orange weathering, forming prominent gossans. Commonly pyritic. May include the following units:
Trachyte ash tuff, commonly with argillite clasts.
Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.

TRAM Monzon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and laths. Weakly pyritic locally, alteration is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly ashlatose. Maybe equivalent to HTAF.

SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shaley clasts. Rare massive pyrite fragments. Commonly grades into MDST. May contain the following units:
Argillaceous crystal tuff: Similar to above with dominant fragment type(s) composed of crystals (1-5 mm) of feldspar, quartz and/or biotite.
Argillaceous heterolithic tuff – Contains both trachytic and shaley fragments.
Argillaceous lapilli tuff – Fragments are dominantly trachyte lapilli.
Argillaceous bomb tuff – Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Pink/brown/buff weathering ashlatose heterolithic tuff. Commonly exhibiting silvery sheen. Clasts consist of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green-grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Comonly banded grey/buff, eucrosic texture.

OUTCROP DESCRIPTIVE CODES

UNITS

ANDS – mafic volcanics
ARGL – argillite
ARGF – tuffaceous argillite
CHRT – chert
DLST – dolostone
GYWK – greywacke
LMST – limestone
QZ–MS Sc – quartz–sericite schist
SLAT – slate
SLAT – slate
TRA – undifferentiated trachyte flows and tuffs

ABBREVIATIONS

AK – Ankerite
BA – Barite
CB – Carbonate
PY – Pyrite
MS – Sericite
SI – Silicification
SP – Spherlerite
FEC – Ferroan
GOS – Gossan

MODIFIERS

/ – interbedded
amy – amygdaloidal
ss – ash tuff
bl – lapilli tuff
bd – bomb tuff
bx– breccia
cgl – conglom
clst – clasts
crb – carbonaceous
crs – coarse
fg – fine-grained
fol – foliated
fol – foliated
fr – fragments
fw – fresh
fw – flow
grp – graphitic
ht – heterolithic tuff
lt – lapilli tuff
mav – massive
nod – nodules
phy – phyllitic
por – porphyritic
pp – plagioclase
QE – quartz eye
ash – ashlatose
shl – shaley
sil – siliceous
slc – sticky
stwk – stockwork
vn – veining
vfg – very fine-grained
vtalline – crystalline

COLOURS

bf – buff
bk – black
br – brown
gn – green
gy – grey
mar – maroon
or – orange
rd – red
yl – yellow

pl – pale
dk – dark
md – medium

STRUCTURAL SYMBOLS

SYMBOLS

- bedding (inclined, vertical)
- foliation (inclined, vertical)
- lithological contact (mapped, inferred)
- Fault (mapped, inferred)
- Thrust fault
- Outcrop
- Gossanous area
- Float
- Stream sediment sample (4 digit # are RGS samples from GSC open file 1648) Sampled Pb(ppm),Zn(ppm),Ag(ppm),Ba(%)
- Rock samples (grab) Sampled Pb(ppm),Zn(ppm),Ag(ppm),Ba(%)
- Soil samples
- 1997–98 Petra Sample Locations
- 1980 Cominco Sample Locations

Mo (ppm) x Ba (ppm) Analytical Values

- > 90 Percentile Ba
- 80 – 90 Percentile Ba
- Minfile occurrence

* Mapping on Atna and Cominco claims by J Hunt 1998

scale: 1:5,000
0 50 100 150 200 metres

093983

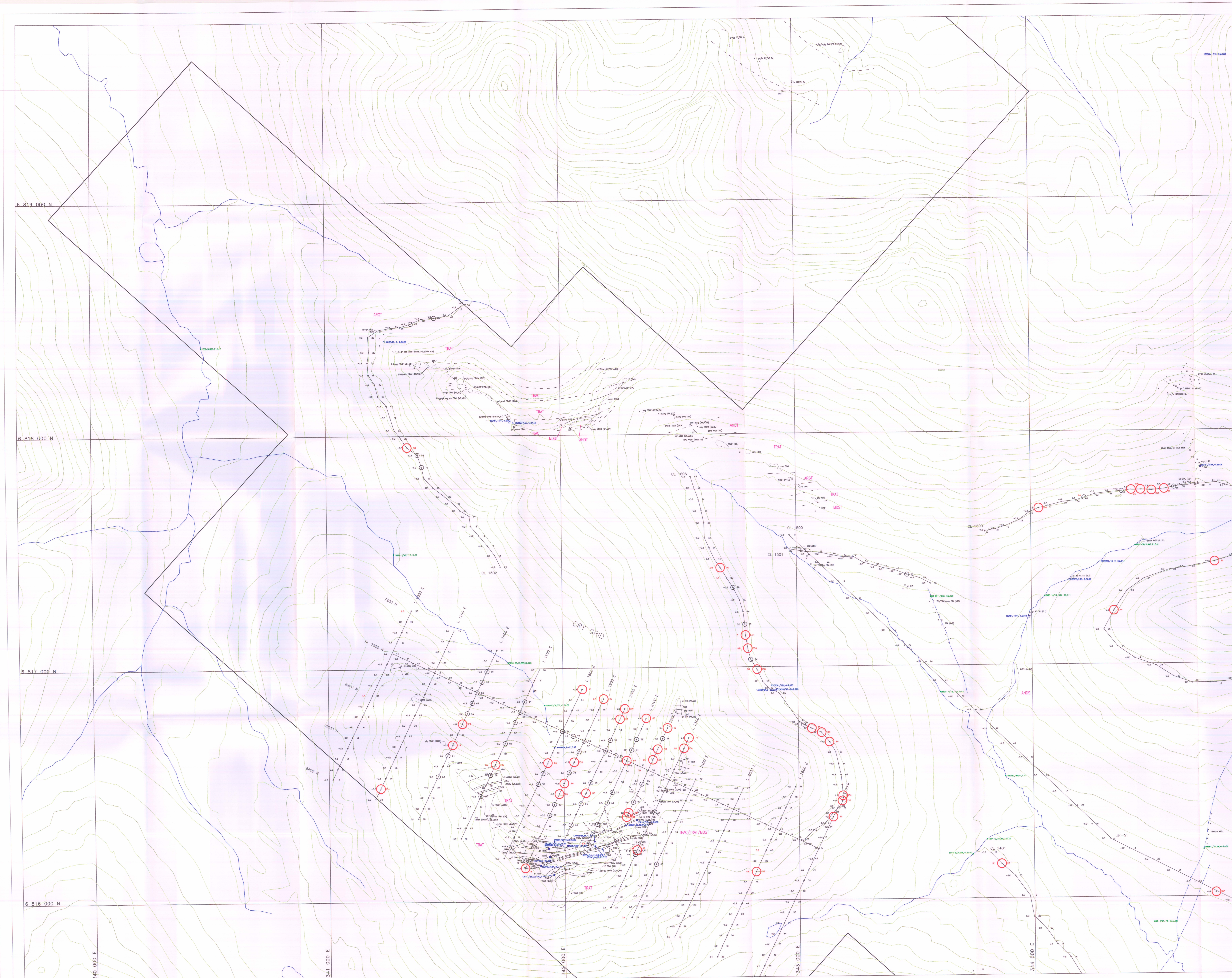
PETRA RESOURCE CORP

STARR PROJECT

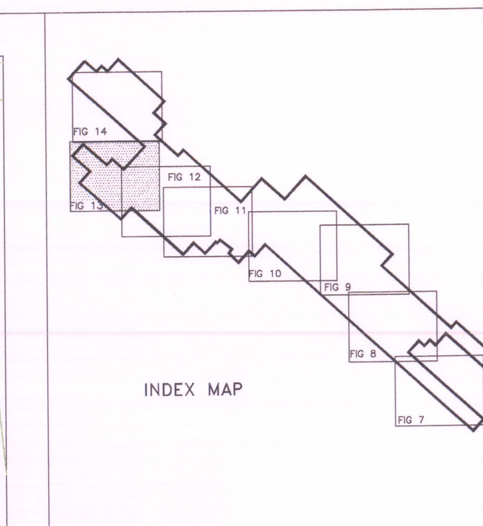
GEOLOGY AND GEOCHEMISTRY COMPILATION

Ba / Mo SOIL GEOCHEMISTRY

Date: March 1999	Scale: 1:5,000		Figure: 12c
U.T.M. Zone: NAD27 – Zone 8	Mining District: Watson Lake		
N.T.S.: 105O/5,6,12 F/8,9	Province/Territory: Yukon Territory		



GRID NORTH
2.5°W of TRUE NORTH



INDEX MAP

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

TRAC Trachyte flows: Generally grey to buff in colour, weathering buff to orange forming prominent gossans. Consists of massive to amygdaloidal flows. Commonly exhibits sucrosic texture, and fine (<1 mm) needle shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, lacking amygdules. Buff to orage weathering, forming prominent gossans. Commonly pyritic. May include the following units:
Trachyte ash tuff, commonly with argillite clasts.
Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.

TRAM Maroon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and laths. Weakly pyritic locally, alteration is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly schistose. Maybe equivalent to HTVF.

SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shaley clasts. Rare massive pyrite fragments. Commonly grades into MDST. May contain the following units:
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GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green-grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Comonly banded grey/buff, sucrosic texture.

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UNITS
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ARGtf – tuffaceous argillite
CHRT – chert
DLST – dolostone
GYWK – greywacke
LMST – limestone
QZ–MS Sc – quartz–sericite schist
SHAL – shale
SLAT – slate
TRA – undifferentiated trachye flows and tuffs

ABBREVIATIONS
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cht – cherty
clst – clasts
crb – carbonaceous
crs – coarse
fg – fine-grained
flt – float
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lt – lapilli tuff
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md – medium

STRUCTURAL SYMBOLS

SYMBOLS
bedding (inclined, vertical)
foliation (inclined, vertical)
lithological contact (mapped, inferred)
Fault (mapped, inferred)
Thrust fault
Outcrop
Gossanous area
Float
Stream sediment sample (4 digit # are RGS samples from GSC open file 1648) Sample#/Pb(ppm),Zn(ppm),Ag(ppm),Ba(%)
Rock samples (float, outcrop) Sample#/Pb(ppm),Zn(ppm),Ag(ppm),Ba(%)
Soil samples
1997–98 Petra Sample Locations
1990 Cominco Sample Locations
Ag (ppm) + Pb (ppm) Analytical Values
> 90 Percentile Pb
80 – 90 Percentile Pb
Minfile occurrence

* Mapping on Atna and Cominco claims by J Hunt 1998

scale: 1:5,000
0 50 100 150 250
metres

093983

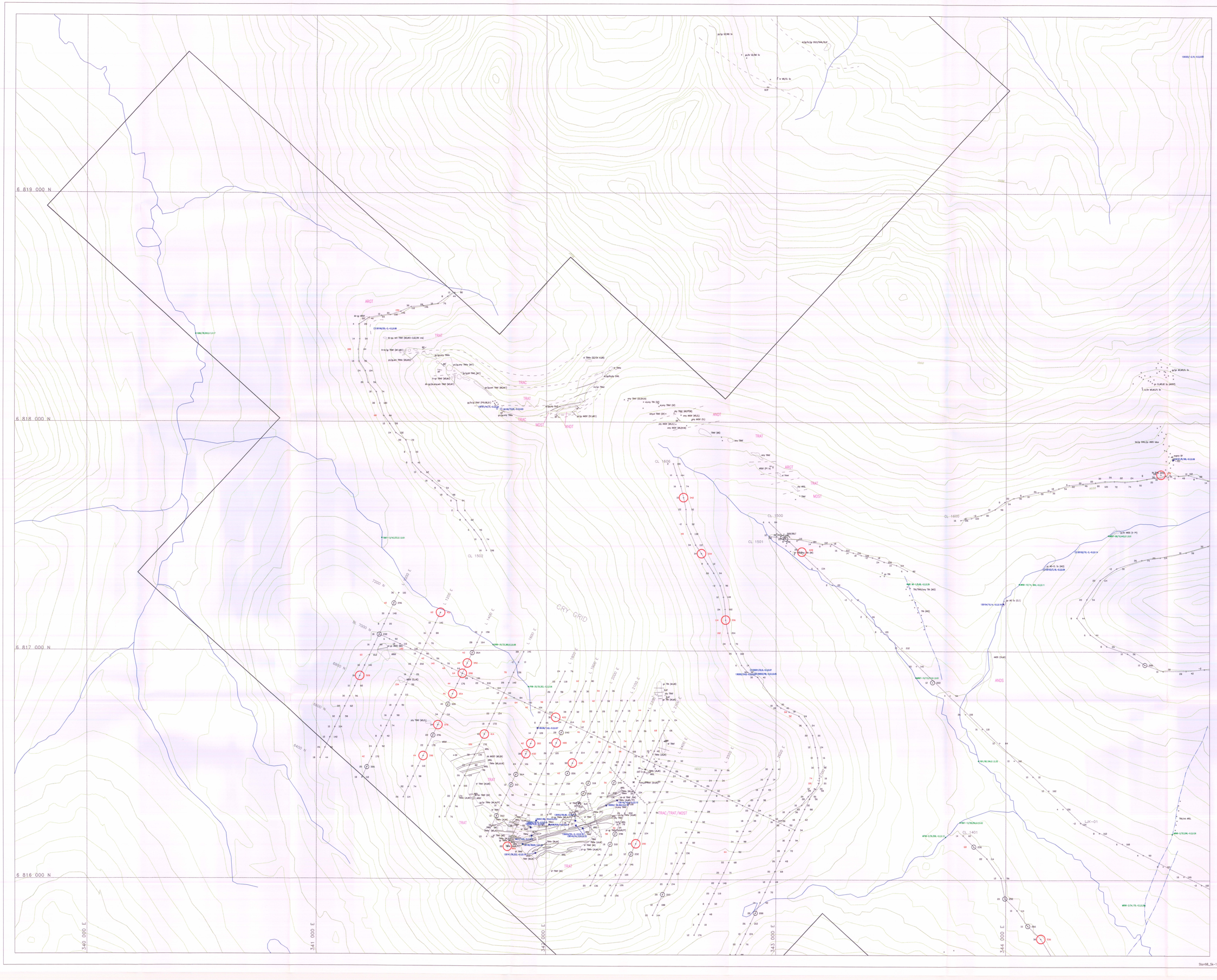
PETRA RESOURCE CORP

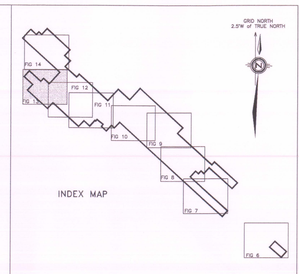
STARR PROJECT
GEOLOGY AND GEOCHEMISTY COMPILATION
Pb / Ag SOIL GEOCHEMISTRY

Date	Scale	Figure
March 1999	1:5,000	13c
U.T.M. Zone: NAD27 – Zone 8	Mining District: Watson Lake	
N.T.S.: 105G/5,6,12 F/8,9	State/Province: Yukon Territory	

EQUITY

Starr98_5k-13





INDEX MAP

LITHOLOGICAL LEGEND

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HTUF Heterolithic tuff: Pink/brown/buff weathering schistose heterolithic tuff. Commonly exhibiting flattened fragments. Consist of dark green fragments (ksaundr) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

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ARGT — tuffaceous argillite
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GYWK — greywacke
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SLAT — slate
TRA — undifferentiated trachye flows and tuffs

ABBREVIATIONS
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FL — Flourite
GA — Galena
MS — Sericite
SI — Silicification
SP — Sphalerite
QZ — Quartz veins
QSS — Gossan

MODIFIERS

/ — interbedded	gra — graphitic
amy — amygdaloidal	ht — heterolithic tuff
ct — ash tuff	lt — lapilli tuff
lt — lapilli tuff	mas — massive
bt — bomb tuff	nod — nodules
bx— breccia	phy — phyllitic
cg — conglom.	por — porphyritic
clst — clasts	pa — pillowed
crb — carbonaceous	QE — quartz eye
cre — coarse	sch — schistose
fg — fine-grained	shl — shaley
fol — foliated	sil — silicified
fol — foliated	slo — slaley
fr — fragments	slwk — Klockwork
fs — fissile	sv — sulphide
fw — flow	vfg — very fine-grained
	visblw — trylolitw

COLOURS

bf — buff	
bk — black	
br — brown	
gn — green	
gy — grey	
mar — maroon	
or — orange	
rd — red	
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SYMBOLS
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* Mapping on Atna and Cominco claims by J Hunt 1998

scale:1:5,000
0 50 100 150 200
metres

093983

PETRA RESOURCE CORP

STARR PROJECT

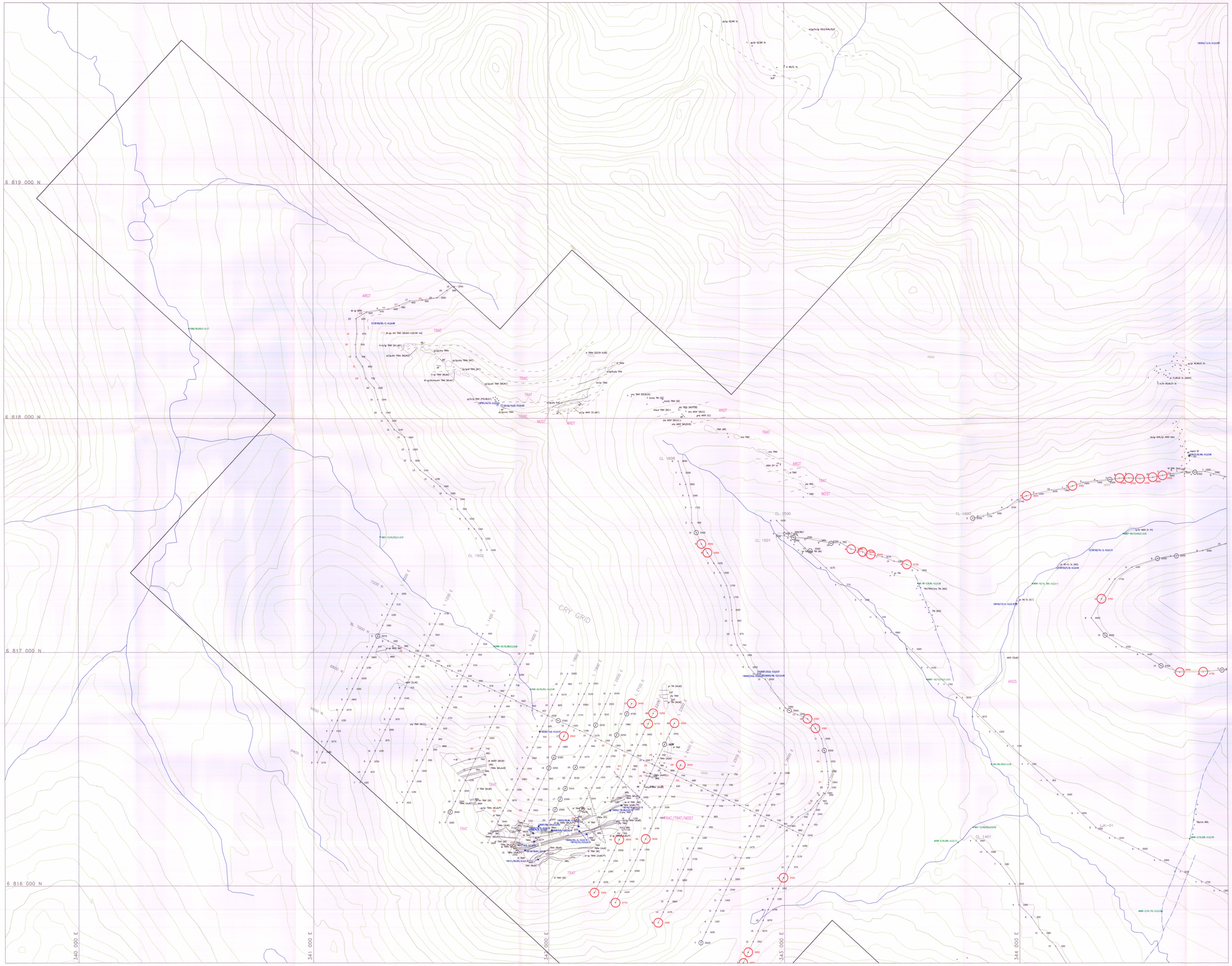
GEOLOGY AND GEOCHEMISTY COMPILATION

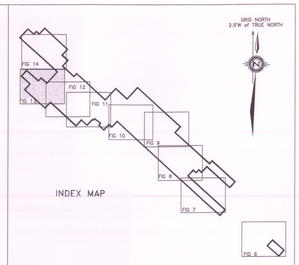
Zn / As SOIL GEOCHEMISTRY

Date	March 1999	Scale	1:5,000
U.T.M. Zone	NAD27 – Zone 8	Mining District	Watson Lake
N.T.S.	105C/5,6,12 F/8,9	State/Province	Yukon Territory

Figure 13b

Starr98_5k-13





INDEX MAP

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

TRAC Trachyte flows: Generally grey to buff in colour, weathering buff to orange forming prominent gossans. Consists of massive to amygdaloidal flows. Commonly exhibits eutaxitic texture, and fine (<1 mm) needle shaped crystals. Commonly pyritic. Characteristic blocky fracture. Includes the undifferentiated TRA unit.

TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, looking amygdules. Buff to orange weathering, forming prominent gossans. Commonly pyritic. May include the following units:
Trachyte ash tuff, commonly with argillite clasts.
Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.

TRAM Maroon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and latite. Weakly pyritic locally; alteration is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly schistose. Maybe equivalent to HTUF.

SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shalely clasts. Rare massive pyrite fragments. Commonly grades into MDST. May contain the following units:
Anglilaceous crystal tuff: Similar to above with dominant fragment type(s) composed of feldspar crystal (<1 mm) and/or quartz eyes (<2 mm).
Anglilaceous heterolithic tuff — Contains both trachytic and shalley fragments.
Anglilaceous biolithic tuff — Fragments are dominantly trachyte lapilli.
Anglilaceous bomb tuff — Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Pink/brown/buff weathering schistose heterolithic tuff. Commonly exhibiting silvery sheen. Clasts consist of pale green fragments (volcanic) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green—grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Comonly banded grey/buff, sucrosic texture.

OUTCROP DESCRIPTIVE CODES

UNITS
ANDS — mafic volcanics
ARGT — argillite
ARGT — tuffaceous argillite
CHRT — chert
DLST — dolostone
GYWK — greywacke
LMST — limestone
QZ+MS Sc — quartz-sericite schist
SHAL — shale
SLAT — slate
TRA — undifferentiated trachyte flows and tuffs

ABBREVIATIONS
AK — Ankerite
BA — Biotite
FL — Fluorite
PY — Pyrite
MS — Sericite
SD — Siderite/calcite
SP — Sphalerite
FEC — Ferricrete
GOS — Gossan

MODIFIERS

/ — interbedded	grp — graphitic
ad — andesitic/dacitoid	ht — heterolithic tuff
at — ash tuff	lt — lapilli tuff
bd — banded	mav — massive
bn — bentonite	mod — moderate
bx — breccia	phy — phyllitic
chtf — cherty	pp — porphyritic
clst — clastic	sil — silicified
crb — carbonaceous	qfp — quartz-eye
cs — calcareous	sch — schistose
fg — fine-grained	shl — shalely
fll — flow	si — siliceous
fp — feldspar	sil — siltstone
fr — fragmental	stwk — stockwork
fs — fissile	sx — suphide
fw — flow	vfg — very fine-grained
	vitalline — crystalline

COLOURS
bf — buff
bk — black
br — brown
gn — green
gy — grey
or — orange
or — orange
rd — red
yl — yellow
pl — pale
dk — dark
md — medium

STRUCTURAL SYMBOLS

SYMBOLS
bedding (inclined, vertical)
foliation (inclined, vertical)
lithological contact (mapped, inferred)
Fault (mapped, inferred)
Thrust fault
Outcrop
Gossanous area
Float
Stream sediment sample (4 digit # are RGS samples from GSC open file 1648)
Sampled Pb(ppm),Zn(ppm),Ag(ppm),Ba(%)
Rock samples (Hand, outcrop)
Sampled Pb(ppm),Zn(ppm),Ag(ppm),Ba(%)
Soil samples
1997-98 Petra Sample Locations
1990 Caminco Sample Locations
Mo (ppm) = Bo (ppm) Analytical Values
> 90 Percentile Ba
80 — 90 Percentile Ba
Winfle occurrence
* Mapping on Atna and Caminco claims by J Hunt 1998

scale:1:5,000
0 50 100 150 200
metres

093983

PETRA RESOURCE CORP

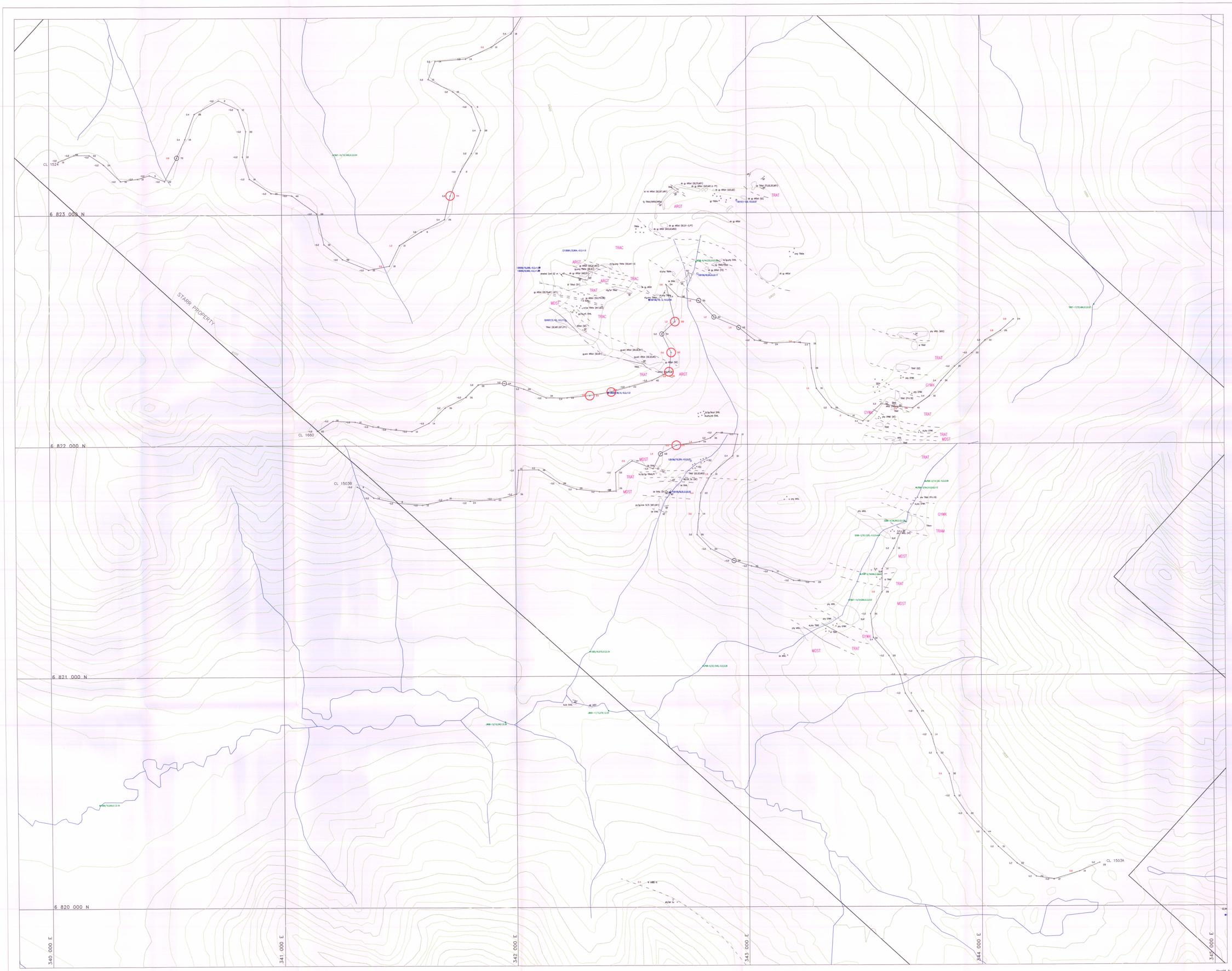
STARR PROJECT

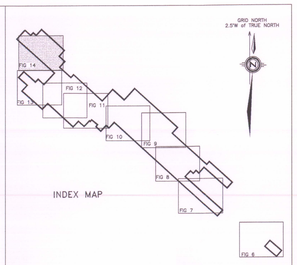
GEOLOGY AND GEOCHEMISTY COMPILATION

Ba / Mo SOIL GEOCHEMISTRY

	Date: March 1999	Scale: 1:5,000	Figure: 13c
EQUITY	U.T.M. Zone: NAD27 — Zone 8	Mining District: Watson Lake	
	N.T.S.: 105O/5,6,12 F/8,9	State/Province: Yukon Territory	

Starr98_5a-13





INDEX MAP

LITHOLOGICAL LEGEND

FELSIC VOLCANIC UNITS

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TRAT Undifferentiated trachyte tuffs: Generally grey, very fine grained, lacking amygdules. Buff to orange weathering, forming prominent gossans. Commonly pyritic. May include the following units:
Trachyte ash tuff, commonly with argillite clasts.
Trachyte ash tuff, very fine grained, glassy, occasionally weakly banded.

TRAM Monzon trachyte dykes and flows: Texture ranges from very fine-grained to fine-grained needles and laths. Weakly pyritic locally, alteration is minor compared to TRAC and TRAT.

MAFIC VOLCANIC UNITS

ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

ANDT Undifferentiated mafic tuffs: Dark brown to olive green in colour. Commonly schistose. Maybe equivalent to HTVT.

SEDIMENTARY UNITS

ARGT Tuffaceous argillite and mudstone: Undifferentiated shale/mudstone matrix tuff with trachytic and/or shaley clasts. Rare massive pyrite fragments. Commonly grades into MDST. May include the following units:
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Argillaceous heterolithic tuff – Contains both trachytic and shaley fragments.
Argillaceous lapilli tuff – Fragments are dominantly trachyte lapilli.
Argillaceous bomb tuff – Fragments are dominantly large (>15 cm) trachyte bombs.

HTUF Heterolithic tuff: Pink/brown/buff weathering schistose heterolithic tuff. Commonly exhibiting silvery sheen. Clasts consist of pale green fragments (weisonite) and strongly iron carbonate altered orange fragments, generally less than 15 cm in size.

GYWK Greywacke and siltstone.

MDST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green-grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Commonly banded grey/buff, sucrosic texture.

OUTCROP DESCRIPTIVE CODES

UNITS

ANDS – mafic volcanics
ARGL – argillite
ARGT – tuffaceous argillite
CHRT – chert
DLST – dolostone
GYWK – greywacke
HTUF – heterolithic tuff
LCC-MQ SL – quartz-sericite schist
SHAL – shale
SLAT – slate
TRA – undifferentiated trachyte flows and tuffs

ABBREVIATIONS

AK – Ackerite
BA – Biotite
FL – Flourite
PY – Pyrite
MS – Sericite
SID – Siderite
SPH – Sphalerite
FEO – Ferrovalite
GOS – Gossan

MODIFIERS

/ – interbedded
amy – amygdaloidal
at – ash tuff
bd – banded
bt – bomb tuff
bx– breccia
clst – cherty
cls – calcareous
crb – carbonaceous
crs – coarse
fg – fine-grained
fl – flow
fol – foliated
fr – fragments
fs – fissile
fw – fine
grn – graphitic
ht – heterolithic tuff
lt – lapilli tuff
mav – massive
nod – nodules
py – pyritic
pyp – porphyritic
pw – pillowed
QE – quartz eye
sch – schistose
sh – shaley
si – siliceous
slo – slaley
stwk – stockwork
su – sulphide
vfg – very fine-grained
xtalline – crystalline

COLOURS

bf – buff
bk – black
br – brown
gn – green
gy – grey
mr – maroon
or – orange
rd – red
yl – yellow

pl – pale
dk – dark
md – medium

STRUCTURAL SYMBOLS

SYMBOLS

- bedding (inclined, vertical)
- foliation (inclined, vertical)
- lithological contact (mapped, inferred)
- Fault (mapped, inferred)
- Thrust fault
- Outcrop
- Gossanous area
- Float
- Stream sediment sample (4 digit # are RGS samples from GSC open file 1648) Samples(Pb(ppm),Zn(ppm),Ag(ppm),Bi(K))
- Rock samples (float, outcrop) Samples(Pb(ppm),Zn(ppm),Ag(ppm),Bi(K))
- Soil samples
- 1987-88 Petra Sample Locations
- 1990 Cominco Sample Locations

Ag (ppm) + Pb (ppm) Anomalous Values

- > 90 Percentile Pb
- 80 – 90 Percentile Pb
- Wintle occurrence

* Mapping on Atna and Cominco claims by J Hunt 1998

scale: 1:5,000
0 50 100 150 200
metres

093983

PETRA RESOURCE CORP

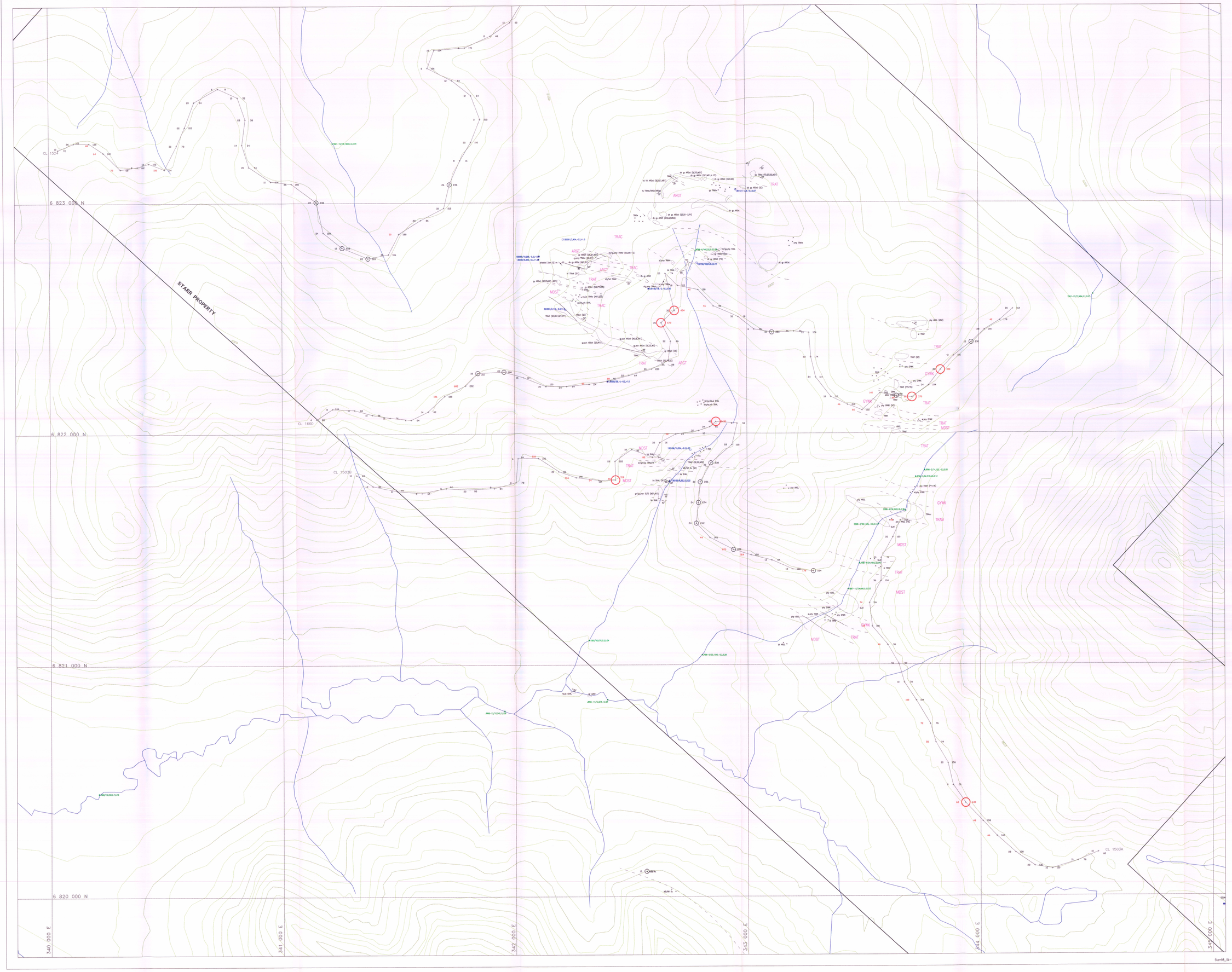
STARR PROJECT

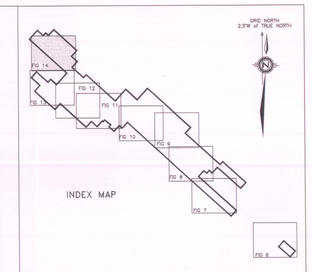
GEOLOGY AND GEOCHEMISTY COMPILATION

Pb / Ag SOIL GEOCHEMISTRY

	Date: March 1999	Scale: 1:5,000	Figure: 14a
U.T.M. Zone: NAD27 – Zone 8	Mining District: Watson Lake		
N.T.S.: 105G/5,6,12 F/8,9	State/Province: Yukon Territory		

Starr98_5k-14





INDEX MAP

LITHOLOGICAL LEGEND

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ANDS Mafic volcanic flows: Green to brown weathering. Medium to dark green mafic volcanic flows, massive to weakly amygdaloidal, rarely exhibiting columnar jointing.

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SEDIMENTARY UNITS

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GYWK Greywacke and siltstone.

MOST Black argillaceous sediments, including mudstone, shale, phyllitic shale, argillite and slate.

CHRT Grey, buff or green-grey chert: Commonly banded. May be exhalative in origin.

LMST Grey to buff weathering grey limestone.

DLST Buff to brown weathering dolostone: Comonly banded grey/buff, sucrosic texture.

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UNITS
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ARGF – tuffaceous argillite
CHRT – chert
DLST – dolostone
GYWK – greywacke
LMST – limestone
QZPO – quartz-sericite schist
SH – shale
SLAT – slate
TRA – undifferentiated trachyte flows and tuffs

ABBREVIATIONS
AK – Ankerite
BA – Barite
CA – Calcite
PY – Pyrite
MS – Sericite
HE – Hematization
SP – Sphalerite
FEC – Ferricrete
GOS – Gossan

MODIFIERS

/ – interbedded	gra – graphitic
amy – amygdaloidal	ht – heterolithic tuff
ash – ash tuff	lt – lapilli tuff
bd – banded	mas – massive
bt – bomb tuff	nod – nodules
brc – breccia	phy – phyllitic
chty – chatty	pp – porphyritic
clas – clasts	pil – pillowed
cg – conglomerate	QE – quartz eye
crs – coarse	sch – schistose
fg – fine-grained	sht – shaley
fol – foliated	sil – siliceous
frg – fragments	stwk – stockwork
fis – fissile	sx – sulphide
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	xtalline – crystalline

COLOURS
af – buff
bk – black
br – brown
gn – green
gy – grey
mv – mauve
or – orange
rd – red
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SYMBOLS
- bedding (inclined, vertical)
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- > 90 Percentile Zn
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* Mapping on Atna and Caminco claims by J. Hunt 1998

scale:1:5,000
0 50 100 150 250
metres

093983

PETRA RESOURCE CORP

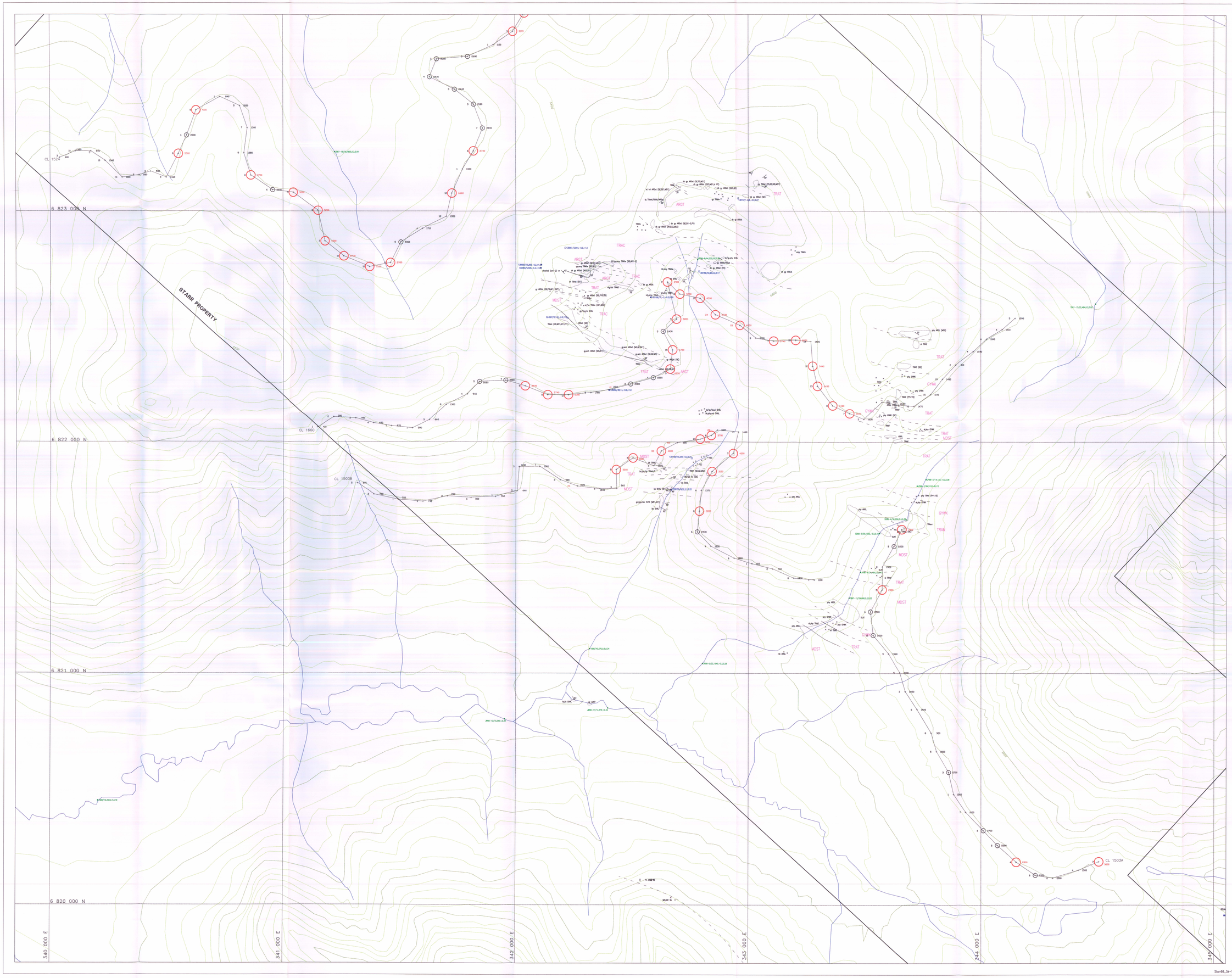
STARR PROJECT

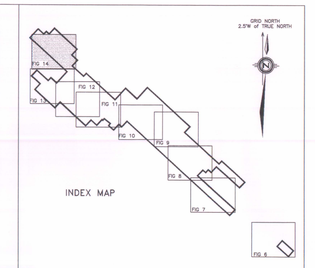
GEOLOGY AND GEOCHEMISTRY COMPILATION

Zn / As SOIL GEOCHEMISTRY

EQUITY	Date: March 1999	Scale: 1:5,000	Figure: 14b
	U.T.M. Zone: NAD27 – Zone 8	Mining District: Watson Lake	
	NTS: 105G/5,6,12 F/8,9	Province: Yukon Territory	

Starr98_5k-14





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scale: 1:5,000
0 50 100 150 200
metres

093783

PETRA RESOURCE CORP

STARR PROJECT

GEOLOGY AND GEOCHEMISTY COMPILATION

Ba / Mo SOIL GEOCHEMISTRY

	Date: March 1999	Scale: 1:5,000	Figure: 14c
U.T.M. Zone: NAD27 – Zone 8	Mining District: Watson Lake		
N.T.S.: 105G/5,6,12 F/8,9	State/Province: Yukon Territory		

Starr98_5k–14