PROPERTY AND ASSESSMENT REPORT

FOR THE

1990 WORK PROGRAM

ON THE

McCONNELL CREEK PROPERTY

VOLUME I

OMINECA MINING DIVISION, BRITISH COLUMBIA
NTS 94-D-15E & 94-D-16W
Latitude 56° 53' Longitude 126° 37'

Owner: Gerle Gold Ltd.
904 - 675 West Hastings St.,
Vancouver, B.C.
V7X 1P1

Operator: Placer Dome Inc.
401 - 1450 Pearson Place,
Kamloops, B.C.
V1S 1J9

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TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

1.0 SUMMARY

The McConnell Creek Property is owned by Gerle Gold Ltd. and is currently under option to Placer Dome Inc. The property is located 240 kilometres, by air, north of Smithers, in north central British Columbia. The target mineralization is a structurally controlled lode gold deposit associated with quartz-carbonate veins hosted by chlorite-sericite-carbonate schist zones developed in metavolcanic amphibolite gneiss.

The 1990 field work focused on trenching a number of coincident geophysical and geochemical anomalies to identify diamond drill targets. The trenching results were disappointing as only narrow, weakly mineralized structures were exposed. The diamond drilling was designed to test; several of the stronger geophysical and geochemical targets; a moderate chargeability anomaly; and several structures that were uncovered by trenching. The drilling results were disappointing as no significant structurally-related mineralization was encountered.

Trenching and drilling intersected rocks of diorite, amphibolite, and monzonite composition which generally displayed a weak sericite, epidote, chlorite alteration assemblage. Abundant fracture fillings and veins of quartz-carbonate and epidote, with lesser sericite and chlorite were intersected. Mineralization occurs as minor disseminated and fracture filling pyrite, chalcopyrite, and lesser galena.

Several narrow sulphide-bearing quartz-carbonate veins hosted by chlorite/sericite/carbonate schist zones were intersected. These zones generally develop in amphibolite gneiss or near the amphibolite-quartz monzonite contact, but occur also within the quartz monzonite. It would appear that no large continuous vein system, similar to the main mineralized structure, is present in the central grid.

Sufficient pyrite and pyrrhotite concentrations within the amphibolite unit were found to explain the observed chargeability anomaly.

No significant soil anomalies were determined on the new 1990 soil grid. The source of most of the 1989 soil geochemical anomalies remains unknown. The erratic behaviour of anomalous gold and copper values observed in soil sampling and overburden profile sampling is likely due to thick glacial overburden and/or glacial transport from a distant source.

In the final analysis, it is suggested that the possible sources for these anomalies are comparatively narrow shear zone systems with localized development of gold-bearing quartz-sulphide veins and lenses. This style of mineralization may be

viable as small high grade mining operations, but at this stage, these small deposits do not meet the objectives of Placer Dome Inc. Therefore, it is recommended that the option agreement be terminated.

2.0 INTRODUCTION

The target mineralization on the property is a structurally controlled lode gold deposit associated with quartz-carbonate veins hosted by chlorite-sericite-carbonate schist zones developed in metavolcanic amphibolite gneiss.

The objective of the 1990 work program was to trench a number of the coincident geophysical and geochemical anomalies in hopes of exposing and refining diamond drill targets. The diamond drilling was designed to test several of the stronger geophysical and geochemical targets, a moderate chargeability anomaly, and several structures that were uncovered by trenching. Most of the work was performed on the central grid and also consisted of; the construction of a 4x4 access road and a limited soil sampling survey over a strong VLF-EM anomaly.

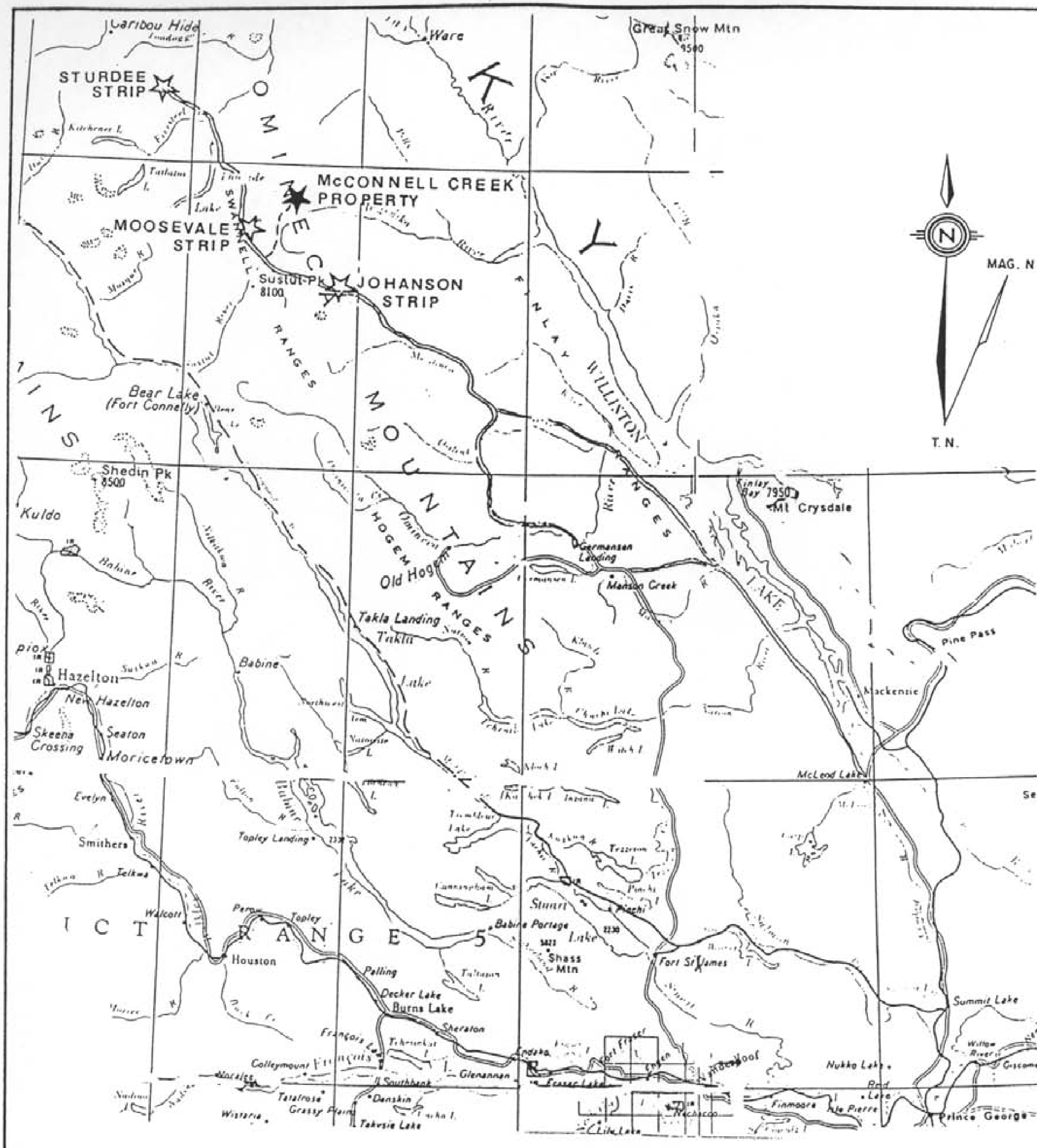
The work program as described in this report was conducted during the period 24 July 1990 to 31 August 1990.

3.0 DESCRIPTION OF PROPERTY

3.1 Location and Access

The property is located in the Omineca Mountains in north central British Columbia and lies 240 kilometres by air north north-east of Smithers, B.C. (see Figure 1). The claims are situated in the Omineca Mining Division roughly centred at Latitude 56° 53' north and Longitude 126° 27' west on NTS map sheets 94D/15E and 94D/16W.

Access to the property is gained by 25 kilometres of 4X4 road that joins the Omineca mining road, 422 kilometres from Fort St. James, about 300 kilometres from Mackenzie or 12 kilometres south of the Moosevale airstrip. Three airstrips lie close to the camp ; the Sturdee airstrip is 55 kilometres to the northwest, the Moosevale airstrip is 25 kilometres to the southwest and the Johanson Lake airstrip is 35 kilometres to the southeast. There are regular fixed wing flights to the Sturdee strip from Smithers during the summer exploration season. Northern Mountain Helicopters base a helicopter at the Sturdee strip during the peak exploration months.



PLACER DOME INC.

McCONNELL CREEK PROJECT

LOCATION MAP

FIGURE 1

SCALE 1:2,000,000

3.2 Physiography and Climate

The property lies within the Swannell Ranges of the Omineca Mountains between Fredrikson Lake and the Ingenika River, east of McConnell Creek. The terrain is generally moderate over most of the property except in the south grid area which is dominated by a steeper-sided mountain. Snowslide Creek represents the main drainage which cuts through the property and eventually drains into the McConnell Lakes. Parts of the property are underlain by semi-muskeg with some of the slopes having poorly drained overburden. Elevations range from 1400 to 1800 metres. The south grid is situated above timberline.

Vegetation appears mainly in the central and north grids and consists of open to moderately dense stands of alpine fir, white spruce, black spruce, and lodgepole pine.

The property lies within a district of abundant precipitation, although long periods of fair weather and mild temperatures can be expected during the summer months. Exploration work is recommended between early June and mid-September. Winter snowpack can reach two and a half metres.

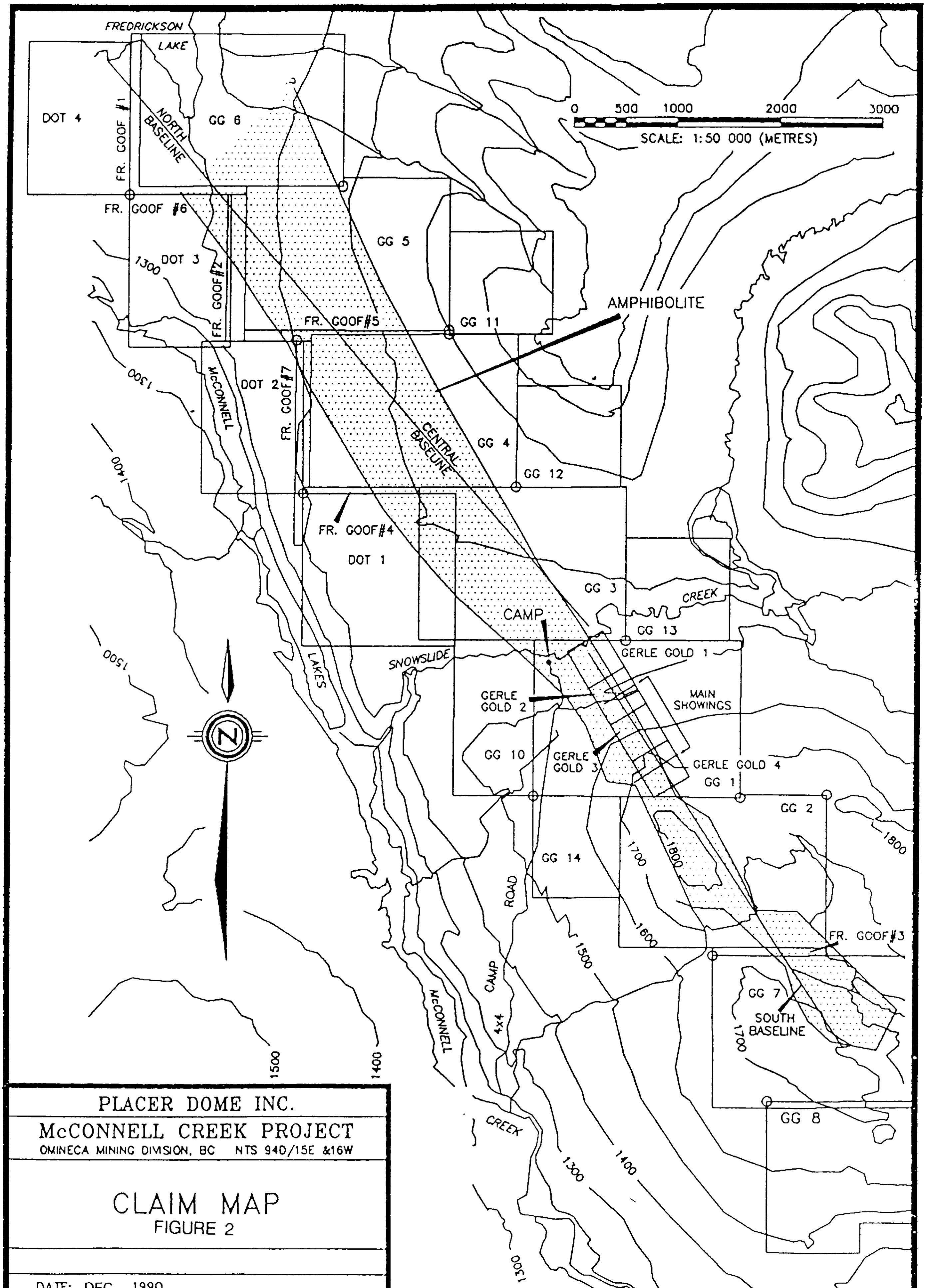
3.3 Claim Status

The McConnell Creek property consists of four two-post claims, 17 metric grid claims and seven fractional claims, totalling 156 units as shown on Figure 2. All of the claims are wholly owned by Gerle Gold Ltd. and are under option to Placer Dome Inc.

TABLE 1

Mineral Claim Schedule

Claim Name	Number of units	Record Number	Expiry Date
NORTH GROUP			
GG 3	12	3800	June 9, 1998
GG 4	12	3801	June 9, 1998
GG 5	12	4007	June 9, 1998
GG 6	12	4008	June 9, 1998
GG 11	4	5785	Sept. 9, 1998
GG 12	4	5786	Sept. 9, 1998
GG 13	4	5787	Sept. 9, 1998
FR GOOF #1	1	5227	June 21, 1998
FR GOOF #2	1	5228	June 21, 1998
FR GOOF #4	1	5582	July 28, 1998
FR GOOF #5	1	5583	July 28, 1998
FR GOOF #6	1	5584	July 28, 1998
FR GOOF #7	1	5585	July 28, 1998
Dot 1	9	10782	June 22, 1998
Dot 2	6	10783	June 23, 1998
Dot 3	6	10784	June 24, 1998
Dot 4	6	10785	July 13, 1998
	93		
SOUTH GROUP			
Gerle Gold #1	1	94758	Oct. 20, 1998
Gerle Gold #2	1	94759	Oct. 20, 1998
Gerle Gold #3	1	94760	Oct. 20, 1998
Gerle Gold #4	1	94761	Oct. 20, 1998
GG 1	12	3798	June 9, 1998
GG 2	12	3799	June 9, 1998
GG 7	12	4009	July 28, 1998
GG 8	12	4010	July 28, 1998
GG 10	6	5784	Sept. 9, 1998
GG 11	4	5785	Sept. 9, 1998
FR GOOF #3	1	5581	July 28, 1998
	63		



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McCONNELL CREEK PROJECT

OMINECA MINING DIVISION, BC NTS 94D/15E &16W

CLAIM MAP

FIGURE 2

DATE: DEC. 1990

3.4 History

Prospectors John Leontowich and Jack Gerlitzki staked the property in 1947. They developed the property by a series of hand trenches over a strike length of about 700 metres in the area referred to in this report as the main showing.

In 1958 Centennial Mines Ltd., a subsidiary of Canadian Exploration Ltd., optioned the property, sampled the existing trenches, excavated and sampled five new trenches and drilled 12 shallow X-ray holes with a total length of 297 metres.

Gerle Gold Ltd. was formed in 1981 and acquired the Gerle Gold #1 to #4 mineral claims from J. Leontowich and J. Gerlitzki.

During 1981 to 1983 the south, central, and north grids were established and geological mapping, trench resampling, soil and stream sampling, and magnetometer and VLF-EM surveying were conducted by Gerle Gold Ltd.

Lornex Mining Corporation held the property under option during 1984 and 1985. In 1985 1,528 metres in 32 holes were drilled and in 1984 943 metres in 16 holes were drilled. Core size was BDB (1-5/8 inches diameter) and the drill was moved by helicopter. The drilling was spread over approximately 5.5 kilometres of strike length of the vein system from 2220N in the south grid to 7500N in the central grid. Upon the completion of this work, Lornex dropped their option agreement and the property reverted back to Gerle Gold.

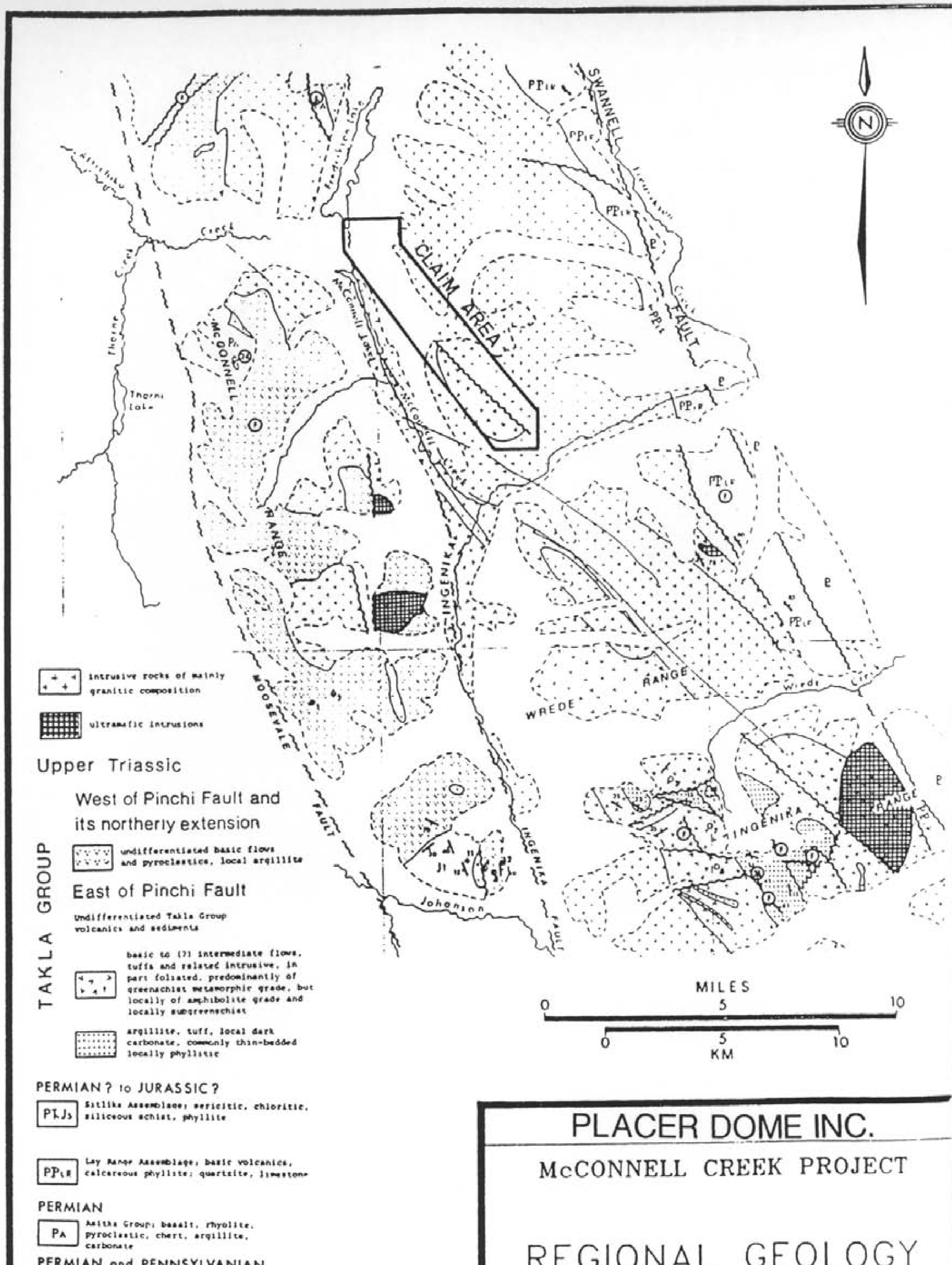
During 1987 and 1988, Gerle Gold Ltd. concentrated efforts on the main showing. Work consisted of 4.2 kilometres of road construction, diamond drilling of 12 holes totalling 1281 metres, 67 trenches totalling 475 metres, soil sampling and magnetometer survey. The main showing was traced over a strike length of 850 metres with gold values up to 0.271 oz/t over 2.3 metres.

The property was optioned by Placer Dome Inc. in 1989. The work program consisted of the construction of a 358 line kilometre grid, 320 line kilometres of VLF-EM and magnetometer surveys, trial I.P. and EMR surveys, the collection of 4000 soil samples, a stream sediment geochemistry survey, and geological mapping, and prospecting. A total of 27 drill and/or trench targets were identified at several locations on the property. Numerous VLF conductors were outlined which had similar signatures to that of the main showing.

4.0 GEOLOGY

4.1 Regional Geology

The McConnell Creek property lies in a north-northwesterly trending belt of metavolcanic gneiss belonging to either the Harper Ranch Group of Devonian to Triassic age or the Lay Range Assemblage of Permo-Pennsylvanian age. These amphibolitic rocks are bounded on the southwest by the Early Jurassic Fleet Creek pluton, which is composed of foliated monzodiorite and diorite. On the northeast, it is bounded by the Jensen Peak batholith, which is composed of quartz monzonite and is Early Cretaceous and possibly later in age (Richards, 1975). The Swannell thrust fault, 10 kilometres northeast of the property, is the Eastern, edge of the Omineca Belt. It juxtaposes the Lay Range and Takla rocks, which likely formed in an island arc environment, against continental miogeosynclinal rocks east of the thrust. The western margin of the Omineca Belt in this region is fragmented by northwesterly trending faults. The Ingenika fault, which lies two kilometres southwest of the property (following McConnell Creek) is one of these, and is one of two main faults that appear to be northwestward extensions of the Pinchi Fault, a major fault that defines the western boundary of the Omineca Belt farther south. The amphibolites hosting the McConnell Creek property probably belong to the Takla Group because they lie close to the western margin of the Omineca Belt.



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McCONNELL CREEK PROJECT

REGIONAL GEOLOGY

FIGURE 3

4.2 Property Geology

4.2.1 Lithologies & Distribution

The property geology is illustrated on Figure 4. Four main rock units were identified and are briefly described.

Amphibolite Gneiss

Petrographic analysis determined this rock type to be of amphibolite composition. The rock is composed of bands of fine to medium-grained amphibolite, dominated by hornblende and plagioclase with lesser chlorite, and of felsic-rich bands, with much less hornblende, epidote and chlorite. The felsic-rich bands occur as irregularly shaped dykes and pod-like bodies and were possibly formed by metamorphic segregation. Replacement bands occur within the felsic-rich layers and are dominated by epidote. Chlorite, formed by alteration of amphibole, is common and sericite, formed by alteration of plagioclase, is a minor constituent. Both epidote and chlorite are possibly products of retrograde metamorphism. Amphibole porphyroblasts are common, occasionally reaching one centimetre in diameter. A mineral foliation or schistosity is strongly developed in the gneiss in places, but elsewhere is weak or absent. Thin pegmatite dykes occur here and there cross-cutting the gneissic banding.

The amphibolite gneiss outcrops discontinuously in the central grid forming a belt 150 to 300 metres wide centred on 9600E.

Quartz Diorite

The quartz diorite of the Fleet Creek pluton lies west and south of the amphibolite gneiss. Petrographic analysis determined this rock to be a medium grey, medium-grained, and dominated by plagioclase with lesser hornblende, epidote, biotite, chlorite, and K-feldspar. Occasional porphyritic textures are dominated by 10-15% phenocrytsts of plagioclase averaging 1 - 2.5 millimetres in size. The rock is characteristically foliated with an average strike of 155°, dipping vertically. The attitude of the foliation is essentially the same as the amphibolite gneiss. Textures suggest that the rock was metamorphosed and recrystallized slightly.

Quartz Monzonite

Quartz monzonite of the Jensen Peak batholith lies east and south of the amphibolite gneiss. Petrographic analysis determined this rock type to be of granodiorite composition., The rock is light grey, medium-grained and dominated by plagioclase with less quartz and K-feldspar, and much less epidote and biotite. Major accessory minerals are sphene and magnetite. Textures suggest that the rock was sheared and recrystallized slightly. Thin quartz stringers were noted and are bounded by selvages of strong sericitization. Weak to moderate foliation displays an attitude approximately parallel to the attitude of banding in the amphibolite gneiss. The monzonite contains scattered inclusions of gneiss near its contact with the amphibolite gneiss. The contact is characterized by a one to five metre wide zone of medium to coarse-grained epidote-garnet-calcite skarn and epidotized amphibolite gneiss. A well developed chlorite schist zone is commonly developed near the same contact.

Schist Zones

Schist zones occur discontinuously within the amphibolite gneiss and the quartz monzonite units from a few centimetres up to 12 metres thick and often host quartz-carbonate veins. Composition is dominated by chlorite, sericite, and carbonate with lesser quartz and plagioclase. The rock is usually dark green to medium grey, fine-grained, and thinly laminated. Quartz occurs as lenses, pods, and veins. The schist zones display features characteristic of brittle-ductile shear zones and high bulk strain. The schistosity typically strikes 155° to 175° and dips steeply northeast or southwest. Most of the quartz veins, both large and small, are parallel or nearly parallel to the schist zones walls.

4.2.2 Quaternary Geology

Only one till sheet was exposed in most trenches. It is well compacted, grey and is composed of clay to boulder size material. In places it contains bedded sand and gravel lenses near the top and in TR90-23 it is overlain by a weakly compacted, brown, clay-sand-gravel-boulder till. Boulder clay and varved clay are reported to overlie boulder till in old trenches dug between lines 6800N and 7800N along the east side of the large swamp. A thin veneer of ablation till, probably overlying clay in places, appears to form the surface layer beneath much of the swampy ground and the area between the swamps and the baseline.

Till thickness varies from less than a metre to more than five metres in trenches that did not reach bedrock. Sudden changes in thickness occur in an east-west direction. The changes are predictable in ridge and swale topography but in places the change is unpredictable. These changes suggest a northwest-southeast grain to the buried bedrock surface.

The direction of ice movement in the central grid was between 110 degrees and 130 degrees. This is indicated by glacial striae at the east end of TR90-12, by the orientation of ridge and swale topography, by the orientation of the glacially scoured ridge on which DDH 90-5 is collared, by the axis of an elongate copper and gold soil anomaly extending from line 11050N at 9640E to line 11500N at 9400E, and by the location of float from the mafic dyke that crosses the baseline at line 8100N.

4.2.3 Structure

The quartz veins, schist zones, foliation in the amphibolite and contacts between the amphibolite and plutons all trend approximately northwestward and dip steeply southwestward or northeastward.

Faults trending subparallel to the general structure are common in the schist zones. Several westerly trending cross-faults also cut these structures, such as the one in the creek valley at line 6220N.

4.2.4 Mineralization

The mineralization on the property consists of gold, accompanied by minor silver associated with sparse pyrite, chalcopyrite, and galena occurring in quartz carbonate veins hosted by steeply dipping carbonate-chlorite-sericite schist zones developed in a band of metavolcanic amphibolite gneiss. The quartz-carbonate veins occur discontinuously over a strike length of nine kilometres.

Gold and copper mineralization were also noted within non-schistose amphibolite gneiss associated with sparse pyrite and lesser chalcopyrite occurring in zones of increased epidotization or silicification.

5.0 DESCRIPTION OF WORK PROGRAM

Placer Dome Inc. executed a work program between 24 July and 31 August 1990. A small crew was mobilized to the property initially to set up camp and upgrade the 25 kilometre access road to camp. The remainder of the crew followed on August 1st.

The 1990 work program covered mainly the central grid and consisted of the following projects:

- construction of six kilometres of 4X4 access road
- excavation of 30 trenches totalling 971 metres
- diamond drilling of 10 holes totalling 1044 metres of NQ core
- collection of 742 rock and core samples for geochemical analysis
- collection of 442 soil samples from a 2.5 line kilometre grid and from trench overburden profiles
- basal till sample survey

5.1 Road Construction

Approximately 6.0 kilometres of 4X4 access road across the central grid were constructed. The work was done under contract by M.B. Contracting of Fort St. James, B.C. using a Cat TD-15. The road was constructed from Snowslide Creek to the north grid at Line 11700N across several target areas outlined from the 1989 program (see Figure 4). Ground was generally dry except in a few boggy areas where ditches were dug and culverts were installed.

5.2 Surface Trenching

Thirty trenches totalling 970 metres were excavated in ten separate target areas of the central grid to test geochemical and/or geophysical anomalies. A total of 27 test pits were dug to depths of approximately 7.0 metres and immediately reclaimed. Excavation was done by Lepka Holdings Ltd. of Fort St. James, B.C. All trenches were dug using a Cat D225 backhoe with an 18 inch toothed bucket. Trench and test pit locations are shown on Figure 4.

Bedrock was attained in most of the trenches although irregular rock surfaces and deep overburden sometimes slowed progress. Depth of trenches varied from 0.5 to 5.0 metres.

The trenching program was sometimes plagued by problems with relatively thick overburden and/or a shallow water table. Many areas which were targeted by soil geochemistry, geophysics, or geology could not be adequately tested. A practical limit to the overburden thickness which can be effectively trenched is approximately 5.0 metres. Trenches were then mucked out and dewatered using a water pump.

Most of the trenches were reclaimed except those displaying favourable looking bedrock or those in very wet areas. These include TR90-04, TR90-12, TR90-13, TR90-14, TR90-22, and TR90-27. Trenches are identified in the field with a wooden stake located at the collar position. The fluorescent red painted stakes have an aluminum tag stating the trench name and length.

5.2.1 Sample Collection

A total of 369 rock samples was collected from the trenches. Continuous chip samples were systematically taken over intervals averaging 2.0 metres in areas of favourable looking bedrock. Sample intervals were marked with red flagging along the trench walls. Each sample contained approximately 5.6 kilograms of rock chips which were double bagged and labelled.

A total of 220 overburden sample profiles was collected from the trench walls at 10 metre intervals. In each profile, samples were collected down the wall of the trench approximately every 1.0 metres from the B-horizon (rusty-brown soil) labelled A; the C-horizon (glacial till) labelled B, and the XC-horizon (decomposed bedrock interface) labelled C. Samples were placed in brown kraft paper envelopes and labelled with the trench number, location within the trench, and depth, denoted by a letter (A, B, or C).

A basal till sampling program was undertaken in selected trenches to identify dispersion trains. A total of 26 basal till samples was collected in trenches TR90-06, TR90-07, TR90-10, TR90-11, TR90-12. The method used is similar to the overburden profile sampling except that a channel sample through each individual horizon was collected.

A total of 76 overburden profile samples was also collected from these pits. In most pits, three samples were collected from the top of the hole (B-horizon), labelled A, the middle (till), labelled B, and the bottom (till), labelled C. Samples were placed in brown kraft paper envelopes and identified with grid coordinates and depth location (A, B, or C).

A total of 19 rock samples (grab and chip) was collected from outcrops, test pits and trench muck piles in various locations on the property. Sample locations were identified in the field with flagging tape, and are plotted on Figure 4. A brief description and geochemical results for gold and 30 element ICP is included in Appendix IV.

5.2.2 Preparation and Analysis

Rock samples were shipped to Placer Dome's Research Centre in Vancouver for geochemical analysis of gold. They were then shipped to International Plasma Laboratory Ltd. in Vancouver, for 30 element ICP analysis.

Samples were dried in a hot-air dryer, crushed, pulverized, and sieved to extract the -150 mesh fraction.

For gold analysis a 10 gram portion of the -150 mesh fraction is mixed with aqua regia and heated at 600°C for three hours, then HBr solution is added and allowed to stand overnight. Following a solvent extraction, the solution is analyzed for gold by atomic absorption. The detection range for gold is five to 4000 ppb.

For the multi-element ICP (Induced Coupling Plasma) analysis, a 0.5 gram portion of a -150 mesh fraction is digested in a hot aqua regia solution and analyzed by atomic absorption. Detection limits used by International Plasma Laboratory are listed in the following table.

Element	Units	Minimum Detection	Maximum Detection	Digestion
* Aluminium	%	0.01	5	Aqua Regia
Antimony	ppm	5	1,000	"
Arsenic	ppm	5	10,000	"
* Barium	ppm	2	10,000	"
Bismuth	ppm	2	10,000	"
Cadmium	ppm	1	10,000	"
* Calcium	%	0.01	10	"
* Chromium	ppm	1	10,000	"
Cobalt	ppm	1	10,000	"
Copper	ppm	1	20,000	"
Iron	%	0.01	5	"
* Lanthanum	ppm	2	10,000	"
Lead	ppm	2	20,000	"
* Magnesium	%	0.01	10	"
Manganese	ppm	1	10,000	"
Mercury	ppb	3	10,000	"
Molybdenum	ppm	1	1,000	"
Nickel	ppm	1	10,000	"
Phosphorous	%	0.01	5	"
* Potassium	%	0.01	10	"
* Scandium	ppm	1	10,000	"
Silver	ppm	0.1	100	"
* Sodium	%	0.01	5	"
* Strontium	ppm	1	10,000	"
* Thorium	ppm	10	1,000	"
Titanium	%	0.01	1	"
* Tungsten	ppm	5	1,000	"
Vanadium	ppm	5	10,000	"
Zinc	ppm	1	20,000	"
* Zirconium	ppm	1	10,000	"

* Element may not be completely digested

Three character rock samples was sent to Vancouver Petrographics Ltd. for analyses. A detailed report is listed in Appendix VIII.

Trench and test pit profiles and basal till samples were shipped to Placer Dome's geochem laboratory in Vancouver for geochemical analysis of copper, lead, zinc, silver, arsenic, and gold.

The samples were dried in a hot-air dryer and sieved to extract the -80 mesh fraction.

For gold analysis, the analytical extraction and detection technique is identical to those used on rock samples.

For copper, lead, zinc, silver, and arsenic analysis, a 0.5 gram portion of the -80 mesh fraction was digested in a hot solution of $HClO_4$ and HNO_3 for four hours, then cooled, diluted and analyzed by atomic absorption, except for arsenic which is analyzed by Direct Current Plasma (similar to ICP). The detection range for copper is two to 4000 ppm, for lead and zinc two to 3000 ppm, for silver 0.2 to 20 ppm, and for arsenic two to 2000 ppm.

5.2.3 Data Handling

Trenches were surveyed using a Silva compass and a 30 metre fibreglass chain and tied into the field grid. Survey, geologic, and sample data were logged on coded forms using the "GEOLOG" system and transferred into a computer for data processing and plotting of plan maps. The logs were used to record trench identity information, survey data, geologic data, sample data, and geochemical analyses results. Details of trench logs are listed in Appendix II.

5.2.4 Map Preparation

Trench plans, and trench and test pit locations were plotted at 1:5000 scale on the compilation map (see Figure 4). Locations were digitized, using grid coordinates, into a CADD (Computer Aided Drafting and Design) file. The CADD program was used to overlay the 1990 data on a modified geology and grid map produced from the 1989 program, (Smitheringale, 1990).

5.3 Diamond Drilling

The program consisted of 1043.9 metres of NQ wireline diamond drilling spread over ten holes. The drilling contractor was Leclerc Drilling of Beaverdell, B.C. A skid-mounted Longyear Super-38 rig was utilized. Drill roads and pads were constructed for all drill sites as well as sump holes where water was lacking. Drilling commenced 10 August and was completed 27 August, 1990.

5.3.1 Sample Collection

The core was transported back to the field camp for logging and sampling. A total of 358 core samples was collected. For the most part, the core was sampled continuously in geologically controlled intervals generally averaging one and a half to two metres. Marked intervals were split using a core splitter, with one half placed in plastic sample bags and the other half returned to the core box. The core is stored on the McConnell Creek property.

A total of 185 sludge samples was also collected from seven of the 10 holes at each of the drill sites using a cylindrical sludge splitter. Sample intervals averaged 3.0 metres and were placed in plasticated cloth bags.

5.3.2 Preparation and Analysis

Samples were first shipped to Placer Dome's Research facility in Vancouver for geochemical determination of gold and then transferred to International Plasma Laboratory Ltd. in Vancouver, for a 30 element ICP analysis. The drill core was prepared and analyzed in the same manner as the trench rock samples (see Section 5.2.2).

Two character core samples was sent to Vancouver Petrographics Ltd. of Vancouver, for petrographic analysis. A detailed report is included in Appendix VIII.

Sludge samples were shipped to PDI's Research facility in Vancouver for geochemical analysis of gold. Several samples had insufficient material for analysis and are labelled in the drill logs as NSS (Non-Sufficient Sample). The samples were dried in a hot-air dryer and sieved to extract the -80 mesh fraction. After digestion in aqua-regia solution, gold analysis was completed by atomic absorption.

5.3.3 Data Handling

Drill holes were surveyed using a Brunton compass and a hip chain and tied into the field grid. Survey, geologic, recovery and RQD data, and sample data were logged on coded forms using the

"GEOLOG" system and transferred into a computer for data processing and plotting of cross-sections.

5.3.4 Map Preparation

Individual cross-sections displaying the drill hole trace, geologic data, target data, trench profiles, gold and copper values, and other significant metal values were plotted at 1:500 scale using PDI's section program and edited with CADD program.

5.4 Soil Sampling

A limited soil geochemical survey was conducted in the central grid between Lines 7500N and 8100N, centred on Base Line 10100E. This area was selected because of the presence of a distinct linear belt of VLF-EM conductors having similar signatures to that of the main showing. Based on previous magnetic data, it was postulated that the area might also be underlain by the monzonite/amphibolite contact zone.

5.4.1 Sample Collection

A total of 120 soil samples was collected at 20 metre intervals along 100 metre spaced lines. Samples of B-horizon material were collected from 20 to 60 centimetre deep holes excavated with narrow-bladed, short-handled shovels. The B-horizon was generally well developed and easily recognized as a tan to orange-brown silty sand (gravel) beneath the shallow organic horizon. Sampling in poorly drained soils provided only gley soils rich in clay.

Samples were placed in brown kraft paper envelopes, and labelled with line and station for identification. Notes were recorded at each sample site regarding site conditions, sample depth, soil composition and grain size, and rock fragment composition.

5.4.2 Preparation and Analysis

Samples were shipped to Placer Dome's geochem laboratory in Vancouver for geochemical analysis of silver, arsenic, gold, copper, lead, and zinc. The samples were dried in a hot-air dryer and sieved to extract the -80 mesh fraction.

For silver, arsenic, copper, lead, and zinc analysis, a 0.5 gram portion of the -80 mesh fraction was digested in an aqua-regia solution for four hours and then analyzed by atomic absorption, except for arsenic which was analyzed by a direct current plasma technique. The detection range for copper is two to 4000 ppm, for lead and zinc two to 3000 ppm, for silver 0.2 to 20 ppm, and for arsenic two to 2000 ppm.

For gold analysis, a 10 gram portion of the -80 mesh fraction was mixed with aqua-regia for three hours, then HBr solution was added and allowed to stand overnight. Following a solvent extraction, the solution was analyzed for gold by atomic absorption. The detection range for gold is five to 4000 ppb.

5.4.3 Data Handling

Soil geochemical data was entered into a computer file.

5.4.4 Map Preparation

Soil sample locations as well as VLF-EM conductors were digitized using field coordinates and plotted at 1:2,500 scale using PDI's MAPS program and edited with CADD program. The final maps were produced by a drum-type pen plotter.

6.0 SURFACE TRENCHING

6.1 Results

Trench logs, geochemical results, and overburden profile data are listed in Appendix II. Trench plans and target data are included in Figures 13 to 21.

It should also be mentioned that gold values lower than the detection limit of five ppb were posted with a value of 2.5 ppb gold. Rock codes such as QZMZ, AMGN, CLSH, etc. and other coded geologic data are explained in Appendix I.

ICP data was useful in determining changes in rock types. Within the more favourable lithologies it appears that the amphibolite gneiss (AMGN) unit shows a calcium depletion and a sodium enrichment while the chlorite schist zones (CLSH) are characterized by a calcium enrichment, a sodium depletion, and a slight iron enrichment. These signatures are highlighted on trench logs TR90-21, 22, and 23.

Statistical analysis was undertaken for gold, copper, and lead on assays from all rocks and drill core to determine threshold levels. These levels can be applied to separate the anomalous, if present, population from the background values. Chalcopyrite and galena are often associated with gold bearing quartz veins. A statistical summary and histograms are included in Appendix V. The following thresholds were selected from the histograms.

Element	Background	Anomalous	Highly Anomalous
Gold	<20 ppb	20-50 ppb	>50 ppb
Copper	<25 ppm	25-150 ppm	>150 ppm
Lead	<5 ppm	5-10 ppm	>10 ppm

Correlation coefficients between different elements are quite low. The correlation matrix indicates that all metals appear to behave quite independently except for gold and lead which have a correlation coefficient of 0.327. However, correlation improves slightly when samples are combined into similar lithological groups. The quartz monzonite unit (QZMZ) shows a better correlation between copper and lead while the quartz diorite (QZDR) displays strong correlation between gold and copper.

The following discussion assesses the 1990 surface trenching program on a trench by trench basis. Selected anomalous rock samples in trenches are listed in the following table.

TABLE 2

Selected Anomalous Rock Samples in Trenches

Trench	From	To	Length(m)	Lith	Au(ppb)	Cu(ppm)	Ag(ppm)	Pb(ppm)
TR90-04	24.0	24.1	0.1	QZDR	40	2219	2.1	-
TR90-11	6.0	8.0	2.0	AMGN	250	175	-	-
TR90-13	7.0	9.0	2.0	AMGN	-	371	-	-
TR90-17	44.0	49.8	5.8	QZMZ	218	-	-	219
TR90-17	55.5	61.4	5.9	CLSH/QZMZ	170	-	-	-
TR90-17	45.5	45.5	2.0	QZVN	1220	-	1.9	1044
TR90-21	13.0	13.0	GRAB	CLSH	-	424	-	-
TR90-21	78.0	78.0	GRAB	CLSH	-	262	-	135
TR90-22	18.0	20.0	2.0	CLSH	100	-	-	-
TR90-23	54.0	58.0	4.0	CLSH	170	158	-	-
TR90-24	4.6	6.6	2.0	CLSH	95	-	-	-
TR90-26	41.3	41.3	GRAB	QZVN	-	218	-	-
TR90-28	24.0	26.0	2.0	AMGN/QZVN	205	-	-	-
TR90-28	2.0	2.0	1.5	QZVN	330	-	-	-
TR90-28	12.8	12.8	GRAB	AMGN	-	287	-	-
TR90-30	32.0	32.0	GRAB	AMGN	-	274	-	-
TR90-30	50.0	50.0	GRAB	AMGN	-	273	_	_

TRENCH PLAN-1

This target area (designated as T-C7; Smitheringale, 1989) was trenched to test zones of anomalous soil geochemistry with some coincident VLF-EM anomalies.

Trench 90-01

This trench was excavated to test a multiple copper and gold soil anomaly in proximity of an interpreted geologic contact (Smitheringale, 1990). This 26 metre long trench, exposed a weakly foliated amphibolite gneiss. The rock is composed mainly of plagioclase and hornblende with lesser amounts of epidote and chlorite. Alteration is weak and occurs mainly in fractures healed by quartz, carbonate, and epidote. Traces of pyrite and chalcopyrite occur throughout. Structures are dominated by a 15 centimetre wide quartz vein and a 15 centimetre wide rusty shear zone showing similar trends of approximately 170 degrees.

Chip sampling did not determine any significant metal values correlating with the observed soil anomalies.

Overburden profile sampling returned low-level anomalous gold and copper values within the B and till horizons throughout the trench. The source of the elevated values in soil is not the immediate underlying bedrock.

Trench 90-02

This trench was dug to test the presence of an interpreted geologic contact between the amphibolite gneiss and the diorite along with a coincident VLF-EM anomaly. Unfortunately the trench was not mapped due to extensive flooding and sloughing of the trench walls. Bedrock fragments found in the muck piles indicate the trench to be underlain by a diorite unit composed mainly of plagioclase with lesser amounts of hornblende, biotite, epidote, and chlorite. A grab sample was collected from the muck piles but no significant metal values were detected.

Trench 90-03

TR90-03 was dug to test a "spot high" gold soil anomaly. This 21 metre long trench exposed mainly a moderately sheared monzonitic diorite containing less mafics and more potassium feldspar than the main dioritic intrusion. The rock displays low level propylitic alteration which increases locally. Several shear zones were found ranging from a few centimetres to two metres in width, striking between 110 and 170 degrees, and displaying strong schistosity and propylitic alteration.

Chip sampling determined only one weakly anomalous copper value of 112 ppm from a four centimetre wide shear zone, but observed soil anomalies are not likely related to the determined gold values in bedrock.

Overburden profile sampling determined one anomalous gold value of 220 ppb at the bedrock interface at the west end of the trench, reflecting a narrow shear zone within the diorite.

Trench 90-04

This trench was excavated to test a multiple gold soil anomaly. TR90-04 is underlain by a weakly altered, medium-grained quartz diorite. Bedrock displays moderate fracturing with local quartz veining. Chlorite, epidote, and sericite alteration were noted. Some traces of chalcopyrite and malachite staining in fractures associated with epidote alteration were also found.

Chip sampling determined some anomalous copper values but weaker gold values. A 10 centimetre long sample containing 2% chalcopyrite and hosted by a quartz diorite returned values of 40 ppb gold, 0.22% copper, and 2.1 ppm silver. However, no significant gold mineralization was detected which could explain the observed soil anomalies.

Overburden profile sampling determined some low-level anomalous gold values coming from the B horizon and at the bedrock interface throughout the trench with samples yielding up to 40 ppb gold. The source of the more elevated values may possibly be the mineralized shear zone at the 24 metre interval.

TRENCH PLAN-2

This target area (designated as T-C10; Smitheringale, 1989) was trenched to test zones of anomalous soil geochemistry and to investigate the presence of a quartz-bearing chlorite schist zone uncovered in an old prospect pit located at line 11300N and 9700E.

Trench 90-08

This 25 metre trench was dug to test a multiple copper soil anomaly and a coincident VLF-EM anomaly. Trenching exposed a moderately fractured amphibolite gneiss. Fractures are commonly healed by quartz and epidote veinlets. Alteration assemblage includes chlorite, epidote, sericite, and quartz. Sulphide content was generally low with pyrite occurring locally as disseminations up to 3% and lesser amounts along fractures. A more resistant dyke rock was encountered over a 2.5 metre width and petrographic analysis determined the rock to be a metamorphosed porphyritic diorite carrying up to 1% disseminated pyrite.

No significant metal values were encountered which does not reflect the observed soil anomalies. The observed VLF-EM anomaly is believed to be caused by a zone of increased shearing.

Overburden profile sampling determined anomalous gold and copper values within the till horizon and at the bedrock interface. One bedrock interface sample at the 10 metre interval, overlying the quartz diorite dyke, returned anomalous values of 70 ppb gold and 300 ppm copper, but the source of these values is not the immediate underlying bedrock.

Trench 90-09

This trench was dug to test a "spot high" gold soil anomaly. The trench encountered weakly altered amphibolite gneiss throughout it's entire length. Narrow shear and clay gouge zones are common in Trench 9. Mineralization occurs as minor disseminated and fracture filling pyrite associated with the more felsic and epidotized bands in the amphibolite gneiss.

Chip sampling did not determine any significant gold values and failed to explain the observed soil anomaly.

Trench 90-10

This trench was dug to test a "spot high" copper soil anomaly and the presence of quartz-bearing chlorite schist zones.

Trench 10 is underlain by weakly altered amphibolite gneiss containing a two centimetre quartz vein hosted by a chlorite-sericite-carbonate schist zone. Fracture fillings and lenses of quartz were also found. Pyrite occurs up to 1% as disseminations associated with siliceous zones and increased epidotization.

Gold values were generally higher than background levels with values in the 20 - 45 ppb range. A 20 centimetre chip sample across the quartz-bearing schist zone returned values of 40 ppb gold and 57 ppm copper. The source of the soil anomaly was not in the exposed bedrock.

Overburden profile sampling detected one anomalous gold value of 175 ppb at the bedrock interface above altered amphibolite but it's source is unknown.

Trench 90-11

This trench was dug to investigate the presence of quartz-bearing chlorite schist zones. Trenching over an 18 metre length exposed the amphibolite gneiss unit. A weak alteration assemblage consists of chlorite, epidote, sericite, quartz, and carbonate. Pyrite occurs up to 2% as clots and disseminations and lesser amounts as fracture fillings, associated with increased silicification and epidotization.

Chip sampling determined weakly anomalous gold values throughout, although one two metre sample returned values of 250 ppb gold and 175 ppm copper. Trenching failed to expose a chlorite schist zone.

Trench 90-12

This trench was dug in proximity of trenches 10 and 11 to also investigate the presence of quartz-bearing chlorite schist zones. Trenching over a 28 metre length exposed a two centimetre quartz vein hosted by a one metre wide chlorite-sericite-carbonate schist zone within a fine to medium grained amphibolite gneiss. The quartz vein contained up to 4% disseminated pyrite. Sulphide content and alteration of the amphibolite is similar to those noted in Trenches 10 and 11.

The quartz vein and the schist zone were sampled separately but neither one determined any significant gold values. However, the schist zone yielded a copper value of 108 ppm. Again, gold values were generally higher than background levels throughout the trench.

Trench 90-13

This trench was excavated to test for the extension of a quartz-bearing chlorite schist zone 25 metres to the southwest. Trench 13 is underlain by weakly foliated amphibolite gneiss but failed to expose any chlorite schist zone. Fractures are commonly healed by quartz and lesser epidote veinlets and lenses. Mineralization occurs as 1-2% disseminated and clots of pyrite often associated with increased epidote alteration.

Chip sampling did not determine any significant gold values but detected one anomalous copper value. A two metre chip sample yielded 371 ppm copper within a finer grained amphibolite with increased epidote alteration. Trench 13 was unsuccessful in exposing a chlorite schist zone.

Overburden profile sampling detected anomalous copper values up to 157 ppm in the till horizon and at the bedrock interface. The source of these elevated values is not the immediate underlying bedrock.

Trench 90-14

Trench 14 was excavated to test for the extension of a quartz-bearing chlorite schist zone discovered in an old prospect trench five metres away. Trenching exposed medium grained, moderately foliated amphibolite gneiss hosting a 40 centimetre quartz vein developed in a six metre wide steeply dipping, chlorite-sericite (carbonate) schist zone. Mineralization is restricted to the schist zone and occurs as 3-4% disseminated pyrite. Sulphide content is minor within the amphibolite host rocks.

Chip sampling of the quartz vein returned a gold value of 30 ppb while the chlorite schist zone and the host amphibolite did not return any significant gold values.

Overburden profile sampling determined higher gold values, up to 55 ppb, in proximity of the quartz-bearing chlorite schist zone.

TRENCH PLAN-3

This target area (designated as T-C13, Smitheringale, 1989), was trenched to test zones of anomalous soil geochemistry and the possible extension of a quartz-bearing chlorite schist zone exposed in a nearby outcrop. A few metres away, a grab sample displaying chalcopyrite and malachite staining returned anomalous gold and copper values of 250 ppb and 0.15% respectively.

Trench 90-15

Trench 15 was dug over a 16.6 metre length and exposed a siliceous quartz diorite. Fracturing is moderate and fractures are commonly filled with quartz and lesser chlorite, sericite, and carbonate. Mineralization is present as fracture fillings and disseminations of up to 3% pyrite and 2% chalcopyrite.

A fracture hosting a four centimetre quartz vein in the diorite was noted at the 4.0 metre interval, but no significant metal values were detected. A narrow and contorted chlorite schist zone, hosting quartz veinlets and lenses, was noted at the 15 metre interval adjacent to a highly siliceous zone displaying the characteristics of a fault breccia. This zone may possibly represent the contact zone with the nearby amphibolite gneiss.

Chip sampling determined weakly anomalous copper values throughout the trench with values up to 165 ppm. The chalcopyrite content is sufficient to explain the determined copper values. No significant gold values were detected.

Overburden profile sampling determined anomalous copper values in the B, and till horizons and at the bedrock interface on the east side of the trench, reflecting the copper mineralization in the bedrock. One highly anomalous silver value of 8.0 ppm was detected in the till horizon overlying the siliceous diorite.

Trench 90-16

This trench was dug to test a "spot high" copper soil anomaly but had to be abandoned due to extensive flooding from a shallow water table. Bedrock fragments found in the muck piles indicate the trench to be underlain by a diorite rock. A grab sample was collected from the muck piles but no significant metal values were detected.

TRENCH PLAN-4

This target are (designated T-C8, Smitheringale, 1989), was trenched to test zones of anomalous soil geochemistry.

Trench 90-5

Trench 5 was dug to test a "spot high" copper and lead soil anomaly. Bedrock exposed a medium grained, weakly altered, quartz monzonite. Alteration consists of quartz, epidote, and chlorite. A five centimetre quartz vein containing minor disseminated pyrite was encountered at the 10.5 metre interval within the monzonite; contacts were noted as being sheared and intensely altered.

No significant metal values were detected and therefore the observed soil anomaly is not explained.

Overburden profile sampling determined anomalous gold values in the B horizon and at the bedrock interface overlying a siliceous monzonite zone. Values of 310 ppb and 80 ppb gold were detected but do not reflect the determined gold values in bedrock.

Trenches 90-6 and 90-7

Both of these trenches were dug to test "spot high" gold soil anomalies but were flooded very quickly. Bedrock fragments from the muck piles indicate the trenches to be underlain by a medium grained quartz monzonite with an increase in the mafic mineral content.

Grab samples collected from the muck piles showed no significant metal values.

Trench 90-17

This 67 metre trench was dug to test a multiple lead soil anomaly. Trenching exposed a medium grained, weakly altered quartz monzonite composed mainly of plagioclase with less quartz and K-feldspar. Chlorite-sericite-carbonate schist zones 20, 45, and 200 centimetres wide hosting four separate quartz veins one to four centimetres wide were noted. Mineralization appears restricted to these zones and occurs as 1-2% disseminated pyrite and sparsely disseminated galena which appears sufficient to explain the determined lead values.

Chip sampling of the veins determined anomalous gold concentration between 70 and 1220 ppb gold. One, two metre sample along a four centimetre wide galena-bearing quartz vein returned 1.22 ppm gold, 1.9 ppm silver, and 0.1% lead. A composite value of 170 ppb gold over 5.9 metres was detected across both the chlorite schist and quartz monzonite units. Another composite value of 218 ppb gold over 5.8 metres was detected in the quartz monzonite; preceding an interval composed of a monzonite-amphibolite hybrid unit displaying a sheared contact anomalous in gold.

Overburden profile sampling determined anomalous gold values at the bedrock interface overlying mineralized quartz veins. Anomalous lead values were also detected throughout the eastern half of the trench, reflecting the underlying lead anomalous quartz veins.

Trench 90-18

This 37 metre trench was dug to test a multiple lead soil anomaly. Trench 18 is underlain by blocky, weakly altered quartz monzonite hosting a six metre wide xenolith of amphibolite gneiss containing inclusions of monzonite. The amphibolite contacts are characterized by chlorite-sericite (carbonate) schist zones, 50 centimetre and one metre wide, which host one centimetre quartz veins with similar trends to the schist. Pyrite occurs up to 3% along the vein contacts. No anomalous gold concentrations were detected, however, it was noted that copper values were stronger within the chlorite schist zones and the amphibolite unit.

Chip sampling determined one weakly anomalous lead value within the quartz monzonite in proximity of the chlorite schist, which could explain the observed soil anomalies.

Overburden profile sampling determined anomalous gold values in the B horizon and at the bedrock interface in proximity of the chlorite schist zone but these are not related to the underlying bedrock. Lead values were slightly stronger above these same zones and probably reflect the low-level anomalous lead values in bedrock.

TRENCH PLAN-5

This target area (designated as T-C5; Smitheringale, 1989), was trenched to test zones of anomalous soil geochemistry, VLF-EM conductors and geological contact zones.

Trench 90-19

This trench was dug to test a "spot high" gold soil anomaly. Trenching over 31 metres uncovered a weakly foliated, fine grained amphibolite gneiss. Fractures are filled by quartz, epidote with lesser chlorite and carbonate. Minor disseminated pyrite was noted throughout. A carbonaceous shear zone was noted at the 7.0 metre interval, carrying 1-2% disseminated pyrite but no gold values were detected. A four centimetre wide pegmatite dyke, crosscutting the foliation, was also found.

Chip sampling did not determine any significant metal values and does not explain the observed soil anomaly. However, the highest gold value of 30 ppb is associated with increased chlorite alteration.

Overburden profile sampling determined anomalous copper values in the B and till horizons overlying chloritized amphibolite gneiss at the trench collar. These values do not reflect the determined copper values in bedrock.

Trench 90-20

This trench was dug to test a "spot high" gold soil anomaly and an interpreted geologic contact between the diorite and the amphibolite. Trenching was successful in exposing 18 metres of blocky, weakly foliated diorite followed by a gradational, intensively fractured and hornfelsed contact followed by 27 metres of moderately foliated amphibolite gneiss.

Chip sampling did not determine any significant metal values, however, it was noted that copper values showed a significant increase within the amphibolite unit. The determined gold values do not reflect the observed soil anomaly.

Trench 90-21

Trench 21 was excavated to test a VLF-EM anomaly. This trench was the longest one dug with a length of 98 metres, underlain by nondescript, medium grained amphibolite gneiss. Three separate chlorite-carbonate schist zones of 1.4, 4.9 and 6.0 metre widths were encountered. These contained minor quartz content occurring as fracture fillings and lenses. A fourth schist zone is suspected at the east end of the trench from bedrock fragments collected from the muck piles. A boggy area caused extensive flooding of this part of the trench. These chlorite-carbonate schist fragments hosted narrow quartz veinlets containing minor amounts of pyrite, galena, and chalcopyrite.

Chip sampling was done continuously up to 78 metres. Afterwards grab samples were collected intermittently from the muck piles. Anomalous gold, copper, and lead values were determined. A 1.5 metre chip sample within the chlorite schist zone detected values of 50 ppb gold and 105 ppm copper. A grab sample of chlorite-carbonate schist carrying galena and pyrite yielded values of 262 ppm copper and 135 ppm lead. Another grab sample containing a quartz veinlet hosted by chlorite-sericite schist carrying 2-3% pyrite and chalcopyrite returned an anomalous copper value of 424 ppm.

The observed VLF-EM conductor is believed to be caused by a 4.9 metre wide chlorite schist zone at the 14 metre interval as seen in Figure 17.

TRENCH PLAN-6

This target area (designated as T-C4, Smitheringale, 1989) was trenched to test VLF-EM anomalies and possible geological contact zones.

Trench 90-22

This trench was dug to test a VLF-EM conductor and a possible contact between the diorite and the amphibolite units. Trench 22 was excavated in a swamp for over 32 metres and uncovered a moderately foliated, fine grained amphibolite hosting two separate quartz-bearing chlorite-sericite (carbonate) schist zones. The first is 4.2 metres wide and contains numerous lenses of quartz and 2-3% disseminated and fracture filling pyrite. A 2.0 metre chip sample returned gold values of 100 ppb.

The second is a 4.5 metre wide zone and hosts a four centimetre quartz vein containing 2% disseminated pyrite, but no anomalous gold concentrations were detected.

This trench was discontinued due to flooding , therefore preventing the VLF-EM anomaly from being tested.

TRENCH PLAN-7

This target area (designated as T-C3; Smitheringale, 1989) was trenched to test zones of anomalous soil geochemistry and a possible geologic contact zone.

Trench 90-23

This trench was excavated to test a multiple copper, and a "spot high" gold soil anomalies as well as an interpreted contact zone between the diorite and amphibolite units. Trench 23 is underlain by a fine to medium grained, moderately foliated amphibolite gneiss containing <1% disseminated and fracture filling pyrite and traces of chalcopyrite. Within the amphibolite are two chlorite-sericite-carbonate schist zones 6.2 metres and 0.8 metres wide, hosting quartz lenses and fracture fillings, and a five centimetre quartz vein respectively.

Only the 6.2 metre zone returned anomalous gold values. A composite sample yielded 170 ppb gold and 158 ppm copper over four metres. Large angular rusty fragments of quartz-ankerite vein material containing 3-4% clots, stringers, and disseminated pyrite, chalcopyrite, and malachite staining were found in the overburden overlying the schist zone. Grab samples were collected but no significant metal values were detected. The determined copper values in bedrock and the chalcopyrite content in the quartz-ankerite fragments could explain part of the observed soil anomaly.

Overburden profile sampling determined anomalous gold and copper values coming from the B and till horizon, and at the bedrock interface. These values appear to reflect the mineralized chlorite schist zones and float.

Trench 90-24

Trench 24 was dug to test the lateral extension of the chlorite-sericite-carbonate schist zone encountered in Trench 23. Trenching only exposed 11 metres of bedrock composed of amphibolite gneiss containing a 4.0 metre wide chlorite-sericite-carbonate schist zone, but no quartz veins were found.

A 2.0 metre chip sample detected an anomalous gold value of 95 ppb coming from the schist zone.

Overburden profile sampling determined one anomalous gold value coming from the B-horizon which likely reflects the anomalous gold value in bedrock.

TRENCH PLAN-8

This target area (designated as T-C2; Smitheringale, 1989) was trenched to test zones of anomalous soil geochemistry, a moderate chargeability anomaly, and VLF-EM anomalies.

Trench 90-25

This trench was dug to test a multiple copper soil anomaly. Trench 25 is underlain by moderately foliated, medium grained, amphibolite gneiss. Alteration is weak and consists of epidote, sericite, and chlorite. Pyrite occurs as disseminations of less than one percent. Overburden exposed rusty angular fragments of quartz vein material containing up to 5% disseminated and clots of pyrite, minor disseminated chalcopyrite with malachite staining, and small irregular inclusions of black chlorite. Other fragments found, contained only quartz, and were barren of mineralization.

Chip sampling did not determine any significant metal values, however, one grab sample of quartz float returned a weakly anomalous copper value which could explain part of the observed soil anomalies.

Overburden profile sampling determined one highly anomalous gold value coming from the B-horizon. This sample yielded 2.53 ppm gold but does not reflect the determined gold values in bedrock or from the quartz float.

Trench 90-26

This trench was dug to test a multiple copper soil anomaly. Trenching exposed mainly weakly foliated, fine grained amphibolite gneiss containing three separate chlorite schist zones 2.0, 6.5, and 0.7 metres wide and hosting quartz veins three centimetres and 10 centimetres thick. The amphibolite generally displays weak alteration and minor disseminated pyrite. Fractures are filled by quartz and epidote with lesser sericite, chlorite, and carbonate. A three centimetre quartz monzonite dyke was encountered at the 28 metre interval.

Chip sampling determined weakly anomalous copper values within the chlorite schist zones and quartz veins but no significant gold values. The 2.0 metre chlorite schist zones, showing quartz fracture fillings and lenses, did not contain any anomalous metal concentrations. The 6.5 metre chlorite schist zone, hosting a rusty 10 centimetre quartz-ankerite vein containing up to 15% disseminated pyrite, was also sampled. Only the vein returned anomalous copper values of 218 ppm. The 0.7 metre chlorite-sericite schist zone yielded a value of 133 ppm copper while the three centimetre quartz vein, containing 2-3% disseminated pyrite and lesser chalcopyrite, returned a value of 171 ppm copper. The determined copper values are insufficient to explain the observed soil anomalies.

Overburden profile sampling determined weakly anomalous gold values throughout the western half of the trench and anomalous copper values throughout the eastern half of the trench. The gold values are underlain mainly by amphibolite but the source of these values is not the immediate underlying bedrock. However, the copper values which overlie the mineralized schist zones appear to reflect the underlying anomalous bedrock.

Trench 90-27

Trench 27 was excavated to test a moderate chargeability anomaly and a nearby VLF-EM conductor. The trench was began at the base of an outcrop and was prematurely ended at 10 metres due to a very wet boggy area. Bedrock exposed was a moderately foliated, fine grained amphibolite gneiss. Fractures healed by quartz, epidote, sericite, and chlorite are common. Minor disseminated pyrite occurs associated with increased epidote alteration and quartz fracture fillings. A four centimetre fault gouge parallel to foliation was encountered at the 2.6 metre interval and sampling indicated an increase in copper content. A grab sample of quartz vein material found at the edge of the fault gouge showed no significant metal values.

Chip sampling of the amphibolite determined no anomalous metal concentrations. The pyrite content does not appear sufficient to explain the observed chargeability anomaly. The presence of the swamp prevented the VLF-EM anomaly to be tested.

Trench 90-28

This trench was dug to test a moderate chargeability anomaly and a coincident VLF-EM conductor. From 0 to 28 metres, trench 28 encountered a weakly foliated, fine grained amphibolite containing a 1.6 metre wide chlorite (carbonate) schist zone hosting quartz-ankerite veins 15 and 10 centimetres thick carrying minor quantities of fuchsite. Other quartz veins also occur within the amphibolite. The start of the trench is dominated by a 1.0 metre wide siderite-ankerite vein containing fragments of chloritic material. A 20 centimetre quartz vein containing minor disseminated pyrite was encountered at the 24 metre interval. Trenching from 28 to 46 metres, exposed a blocky, weakly altered, medium grained quartz monzonite displaying a sharp contact with the amphibolite. Mineralization occurs as <1% disseminated pyrite throughout.

Chip and grab sampling determined anomalous gold and copper values. A 2.0 metre chip sample within the amphibolite and across the 20 centimetre quartz vein yielded a gold value of 205 ppb, but the vein alone gave a very weak gold value. A 1.5 metre chip sample along the 15 centimetre thick quartz vein hosted by the chlorite schist returned a gold value of 330 ppb. A grab sample of epidotized amphibolite hosting quartz lenses and 1-2% clots of pyrite and lesser chalcopyrite was collected and returned an anomalous copper value of 287 ppm. The sulphide content does not appear sufficient to explain the chargeability anomaly. The observed VLF-EM conductor is believed to be caused by the chlorite schist zone at the western end of the trench.

Overburden profile sampling determined anomalous gold and copper values coming from the till horizon and at the bedrock interface. The anomalous values reflect the nearby mineralized quartz veins and float.

Trench 90-30

Trench 30 was excavated to test the extension of a quartz-bearing chlorite schist zone encountered in DDH90-4. Trenching over 63 metres exposed a moderately foliated, fine grained amphibolite gneiss throughout the entire length of the trench. Alteration is weak and consists of chlorite, epidote, sericite, and lesser biotite. Minor pyrite occurs as disseminations, clots, and fracture fillings but was noted up to 10% in some grab samples. At the 18 metre interval, a one metre unmineralized quartz vein was encountered. At the 25 metre interval, a one metre wide quartz diorite dyke was exposed. At the 46 metre interval, a two centimetre quartz vein hosted by a 0.8 metre wide chlorite schist zone was encountered, with no visible mineralization.

Selective chip sampling and grab samples determined weakly anomalous copper values but no significant gold values. Two grab samples of mineralized quartz-bearing amphibolite gneiss collected from the muck piles returned copper values of 274 ppm and 273 ppm. Trenching was successful in exposing a chlorite schist zone but not to the extent encountered in DDH90-4.

TRENCH PLAN-9

Trench 90-29

This trench is located in target area T-C1 (Smitheringale, 1989) and was dug to test a strong VLF-EM conductor. Trench 29 exposed a blocky, weakly altered, medium grained quartz monzonite. Mapping was done from fragments of bedrock in the muck piles since a shallow water table caused extensive flooding of the trench. Mineralization occurs as 1% disseminated magnetite and trace of pyrite.

One grab sample was collected from the muck piles but showed no anomalous gold concentrations.

The VLF-EM conductor appears to be related to a porous water-lain channel, displaying limonitic staining, within the upper portion of the till horizon.

6.2 Interpretation

Gold, copper, lead, and silver anomalies all seem to occur within narrow sulphide-bearing quartz-carbonate veins mainly hosted by chlorite-sericite (carbonate) schist zones, within the amphibolite but also within by the quartz monzonite such as those exposed in Trench 90-17. Anomalous gold and copper values also occur within non-schistose amphibolite gneiss associated with zones of increased epidotization or silicification and increased sulphide content. These zones also commonly display quartz fracture filling.

Trenching of the central grid area uncovered a total of 20 chlorite schist zones ranging from 0.2 to 6.5 metres in width. Numerous quartz veins, with widths from one centimetre to one metre and commonly hosted by the schist zones, were encountered.

In Trench Plan-1, chip sampling did not determine any anomalous concentrations of gold or copper which could explain the observed soil anomalies. This may suggest that the soil anomalies have been transported either glacially or hydromorphically.

In Trench Plan-2, a few quartz-bearing chlorite-sericite (carbonate) schist zones were encountered but do not appear to have any apparent continuity. Weak concentrations of gold and copper are associated with zones of increased epidotization within the amphibolite. Trenches 10, 11, and 12 displayed stronger gold values than background levels and possibly suggest a higher concentration of gold in the bedrock. Soil geochemical anomalies did not reflect determined metal values in bedrock, suggesting glacial transport from a distant source.

In Trench Plan-3, low-level anomalous concentrations of copper are sufficient to explain the observed soil anomalies, but gold values were insignificant. A siliceous fault breccia zone encountered in Trench 15 may represent a contact zone between the diorite and the amphibolite gneiss.

In Trench Plan-4, anomalous concentrations of gold, lead, and silver are associated with narrow sulphide-bearing quartz veins hosted by chlorite-sericite-carbonate schist zones within quartz monzonite. The lead anomalies are sufficient to explain the observed soil anomalies.

In Trench Plan-5, anomalous concentrations of copper and lead are associated with sulphide-bearing quartz veins hosted by chlorite-carbonate schist zones within amphibolite gneiss, but gold values were insignificant. "Spot" high gold soil anomalies did not reflect underlying bedrock and suggest a source further up-slope or glacial transport.

In Trench Plan-7, low-level anomalous concentrations of gold and copper are associated with chlorite-sericite-carbonate schist zones containing quartz fracture fillings. These anomalies and chalcopyrite-bearing quartz-ankerite floats appear to explain part of the observed soil anomaly.

In Trench Plan-8, low-level anomalous concentrations of gold and copper are associated with quartz veins hosted by both chlorite schist zones and non-schistose amphibolite gneiss. Copper values were also associated with sulphide-bearing, epidotized amphibolites. The copper anomalies do not seem sufficient to explain the observed soil anomalies in Trench 26. The sulphide content in Trenches 27 and 28 are insufficient to explain the I.P. anomaly.

Overburden profile sampling determined some anomalous metal values predominantly from the B-horizon and at the overburden-bedrock interface. However, results were sporadic and often scattered. Overburden profile sampling often did not always reflect the values observed in chip sampling the bedrock. This demonstrates that the source of soil anomalies cannot readily be considered in-situ.

The basal till survey was inconclusive due to the limited extent of the survey. Only 26 samples were collected in five separate trenches and results showed no anomalous metal concentrations or variations in metal content from one horizon to the next.

VLF-EM anomalies encountered in trenches usually coincided with chlorite schist zones or zones of increased shearing, but most of the chlorite schist zones were not VLF-EM conductors. Anomalies are likely related to water-filled structures such as fractures in bedrock and porous zones in till, such as the one encountered in Trench 29. Therefore VLF-EM anomalies should not be considered a useful exploration guide on the property.

7.0 DIAMOND DRILLING

7.1 Results

Drill logs, geochemical results and assay results are listed in Appendix III. Geologic cross-sections and target data are included in Figures 5 to 12. It should be mentioned that gold values lower than the detection limit of five ppb were posted with a value of 2.5 ppb or three ppb gold. Rock codes and other geologic codes are explained in Appendix I.

It should be noted that drill holes 1, 2, and 3 were surveyed using the south grid coordinates and are presented on Figures 5, 6, and 7 as they appear in the field. However, since the 1990 compilation map (shown on Figure 4) only shows the central grid coordinates which bear no relation to the south grid coordinates, corrections had to be made in order to plot these sections on the compilation map.

Observations about the ICP data results in relation to different lithological units is the same as for the trenches (see section 6.1) and are highlighted in drill logs DDH90-1, 2, and 3.

Statistical analysis on drill core was combined with the rock samples from the trenches and is discussed in section 6.1.

The following discussion assesses the 1990 diamond drill program on a cross-section by cross-section basis. Anomalous assay results and related intervals are listed in the following table.

TABLE 3

Significant Drill Intersections

Hole	From	To	Length (m)	Au(ppb)	Cu(ppm)
DDH90-1	50.5	58.0	7.5	209	
	67.0	79.0	12.0	295	
	82.0	86.55	4.55	238	
DDH90-2	57.6	59.1	1.5	485	107
DDH90-3	79.0	83.0	4.0	577	
DDH90-4	47.0	49.0	2.0	130	
DDH90-5	18.6	20.7	2.1	385	
	33.75	36.0	2.25	5250	
DDH90-6	66.9	72.1	5.2	40	176
DDH90-7	14.3	15.1	0.8	177	
DDH90-8	21.0	25.5	4.5	550	
	49.9	53.65	3.75	227	
	77.0	85.0	8.0	255	
DDH90-9	24.2	26.1	1.9	140	
DDH90-10	10.4	12.5	2.1	215	

Section 6260N

DDH90-1 was drilled to test for the northwest extension of the main zone mineralization and coincident VLF-EM conductor at 9800E (see Figure 5). It was postulated that the VLF-EM conductor was the geophysical expression of the main zone extension and/or the quartz monzonite/amphibolite contact.

This hole was drilled to a length of 106.7 metres (76 metre depth). A 22 metre thickness of overburden, consisting of very large boulders of quartz monzonite intercalated with glacial tills and clays, was encountered prior to entering the quartz monzonite at 34.2 metres.

Quartz monzonite continued to 86.55 metres where the amphibolite gneiss was entered. A 5.4 metre section of chloritic schist, with minor quartz veins, was encountered at 94.5 metres.

As seen on the section (Figure 5), anomalous gold values (up to 0.50 ppm) were encountered in the quartz monzonite from 43.65 to 86.55 metres. Lower values were obtained from units of amphibolite gneiss and chloritic schist in the section from 86.55 to 99.70 metres. The monzonite encountered in this hole was well fractured with quartz carbonate veins/fractures with muscovite sericite envelopes. The drill core was well bleached with argillic alteration being predominant. Sulphide content was generally low with pyrite occurring as trace to 1% as disseminations and up to 3% over narrow intervals within fracture/vein zones. The only other elements of interest were geochemically anomalous values in lead and silver associated with some of the higher gold values. These values (to 47 ppm lead and 4.1 ppm silver) were associated with zones of silicification with increased sulphide content.

A composite value of 295 ppb gold/12 metres (67.0-79.0 metres) is the best intersection within this drill hole. Although the schist zone in this hole did contain some minor secondary veining with a trace of chalcopyrite the gold values encountered were not of economic interest.

In summary, DDH90-1 was successful in intersecting chlorite schist zones and the nearby amphibolite gneiss/quartz monzonite contact but failed to expose the well developed and mineralized vein of the main zone. The position of the quartz monzonite/amphibolite contact in DDH90-1 relative to its location south of the westward trending creek valley at 6260N, indicates the presence in the creek valley, of a cross-fault with a left hand offset of about 30 metres. Minor gold values were present in the schist zones, the amphibolite, and within the quartz monzonite contact area. The observed VLF-EM anomaly is believed to be caused by a chloritic schist zone intersected near the bottom of the hole.

Section 6500N

As in the previous section, DDH90-2 was spotted to test the possible northerly extension of the main zone mineralization and coincident VLF-EM conductor (see Figure 6).

This hole encountered 34.7 metres (22 metres thickness) of boulder clay and till unit prior to entering bedrock. Massive monzonite, with secondary veining and alteration, was cored to 57.60 metres where the gneiss unit was encountered. Two narrow intervals of chlorite schist were cored (63.30-67.60 metres and 79.30-80.80 metres) within the amphibolite which continued to the bottom of the hole (100.90 metres).

Within the schist zone were narrow quartz veins and clay gouge zones however gold values were low (less than 80 ppb). The monzonite within this section had not undergone the degree of alteration as was seen in section 6260N and consequently was not as extensively sampled. The best values encountered in this drill hole were along the monzonite/amphibolite contact with values up to 485 ppb gold across 1.5 metres.

Sludge samples with gold values to 605 ppb were encountered near the overburden/bedrock interface. Lower in the hole, sludge sample values to 1225 ppb gold were encountered at 55.6-59.0 metres which corresponded to the section in the drill core were sample analysis indicated up to 485 ppb gold.

As in the previous drill hole, there was no correlation of gold with other elements of economic interest nor did any other elements of interest return significant values. The hole did succeed in intersecting chloritic schist zones and the nearby quartz monzonite/amphibolite gneiss contact containing minor gold values, but failed to expose the well developed and mineralized vein of the south grid. The chloritic schist zone is believed to cause the VLF-EM anomaly.

Section 6740N

DDH90-3 was also collared to test for the northerly extension of the main zone mineralized structure and coincident VLF-EM conductor (see Figure 7).

Bedrock of quartz monzonite was encountered at 21.95 metres (14.0 metres depth) and continued to 80.3 metres where it formed the hangingwall contact of a chloritic schist. The schist continued to 92.7 metres prior to entering amphibolite. The hole ended at 101.8 metres. Anomalous gold values of 230 ppb to 0.78 ppm were encountered in a zone from 79.0 to 83.0 metres. This zone straddles the monzonite/schist contact and is associated with secondary veining. There was no definitive correlation with any other elements however one sample (Sample No. 14839, 80.3-82.0 metres) did return higher than normal values of lead, bismuth and silver). These values correspond with a geologic interval made up of secondary quartz-carbonate (up to 10%) veins.

Hole 90-3 also failed to intersect the well developed and mineralized vein of the main zone but did succeed in exposing a well developed chloritic schist zone found to contain minor gold values. The observed VLF-EM anomaly is believed to be caused by the wide chloritic schist zone.

The position of the contact and schist zones in drill holes 90-2 and 90-3 show the contact and schist zone to be swinging to the west rather than continuing grid northward.

More importantly, however, was the clear correlation between secondary quartz veining along the monzonite/amphibolite gneiss contact and anomalous (though sub-economic) gold values.

Section 7300N

DDH90-4 and DDH90-5 were collared to test a greater than 20 millisecond chargeability anomaly and a coincident VLF-EM conductor on Section 7300N. Figure 8 shows the surface expression of the I. P. anomaly, and the axis of the VLF-EM conductor. Soil sample profiles from 1989 for gold and copper are also shown on this cross-section.

Both holes were drilled along the same azimuth (050 degrees northeasterly) with the object to intersect both the footwall and hangingwall zones of the I.P. anomaly interpreted to lie between 9585E and 9725E on section.

DDH90-4 was drilled to a depth of 152.4 metres and intersected amphibolite with very narrow sections of chloritic schists throughout it's entire section. Slightly anomalous values in gold were encountered within the chloritic schist. In the interval from 105.0 to 135.0 metres was a distinct zone of alteration where the amphibolite had been silicified and epidotized. Within this alteration zone were sections containing very finely crystalline, burgundy coloured garnets (<1 mm size).

An examination of the I.C.P. data of this alteration zone shows an increase in calcium and zirconium with corresponding depletions in barium, cobalt, nickel, aluminium, and magnesium.

DDH90-5 was collared at 9625E near the centre of the surface projection of the I. P. conductor (see Figure 4). Again a zone of alteration similar to the previous hole was encountered (35.0 to 95.0 metres). Although visually this zone did stand out, the geochemical expression as seen in the I.C.P. data is not as distinct as DDH90-4. As previously, there appears to be a geochemical increase in both calcium and zirconium coupled to a depletion in aluminium and magnesium. However, the depletion of potassium, barium, and nickel is not as distinct as in DDH90-4.

Anomalous values in gold were few and far between. However the interval 33.75-36.0 metres (Sample No. 14930) returned a value of 5.25 grams/tonne gold. Open fractures, with crystalline carbonate and up to 5% sulphides (pyrite), hosted by a finely crystalline amphibolite gneiss occurred within this sample interval. Examination of I.C.P. data indicates this unit was both calcium and potassium enriched. A value of 50 ppm lead in the same interval tends to confirm the presence of secondary veining.

Two other intersections within this hole returned anomalous values in gold. These were Sample No. 14922 (18.6-20.7 metres, 385 ppb gold) and Sample No.14959 (116.5-118.9 metres, 110 ppb gold). Sample No. 14922 was taken in an interval where open spaced fractures with crystalline quartz-calcite-chlorite were found within a chloritic gneiss. The second interval at the 116.5 metre interval consisted of chloritic schist with up to 10% secondary quartz-carbonate veining.

The common denominator for the three above intersections appears to be secondary quartz-carbonate veining. The high grade value of 5.25 ppm gold is also associated with increased sulphide content.

The observed chargeability anomaly appears to be due to very finely disseminated pyrite and pyrrhotite that is non-uniformly distributed from band to band in amphibolite gneiss that has been mildly affected by contact metasomatism. The sulphide content varies in adjacent bands from almost nil to about 6%, and is typically about 2%. The products of metasomatism are fine-grained epidote, garnet, quartz, and biotite.

Both holes outlined a zone of alteration which has been referred to "skarnification" within the drill logs. Previous work (Smitheringale, 1990) had identified similar types of alteration in the southern grid area but never to this extent. However, the lack of gold in soils associated with this I.P. conductor appears to reflect the bedrock mineralization.

Section 7700N

DDH90-6 was collared to drill test the presence of sulphide-bearing quartz vein fragments uncovered in TR90-23 and a coincident copper, gold soil anomaly (see Figure 9).

This hole intersected massive amphibolite gneiss over most of it's length (94.5 metres) but failed to intersect the chlorite-sericite-carbonate zone encountered in TR90-23. The hole bottomed out in a fault zone where the original gneiss has undergone significant alteration. The alteration assemblage includes talc, chlorite, and clay minerals. This zone may possibly be related to the chlorite schist zone encountered in TR90-23. Fracture fillings and narrow veins of quartz, epidote, chlorite, and pyrite were noted in Hole 90-6. Mineralization was present as disseminated and fracture filling pyrite, up to 3% locally. Traces of chalcopyrite were also noted but not in sufficient quantity to explain the determined copper values.

The highest gold values noted came from a 2.2 metre wide section (66.9-42.1 metres) with low levels of 15-55 ppb gold. This fails to correlate with the chlorite schist zone of TR90-23 which yielded a high of 275 ppb gold. Copper values were generally elevated with a gradual increase towards the fault zone (up to 297 ppm copper).

Hole 90-6 failed to intersect any large sulphide-bearing quartz veins. The determined copper values could explain the observed soil anomaly but the gold values are not sufficient to explain the surface anomaly.

Section 9050N

DDH90-7 was collared to test sulphide and quartz enriched amphibolites and chlorite schist zones encountered in TR90-22 (see Figure 10). This trench was chosen to test a distinct VLF-EM conductor. Trenching in this area was hindered because of a large swamp.

The hole was collared at 9044E and entered bedrock at 7.9 metres. From 7.9 to 137.0 metres, massive amphibolite gneiss with intersections of up to 17 metres in width of chloritic schists were cored. At 137.0 metres a fault zone was entered and at 151.0 metres the quartz monzonite was cored to 156.9 where the hole was stopped.

There were no significant values in gold encountered within the upper part of the hole. A section of anomalous gold values (25 ppb to 265 ppb) corresponds to the fault and contact zone of the amphibolite gneiss with the monzonite in the interval from 134.0 to 156.9 metres. This zone (as in previous zones of mineral enrichment) was characterized by increased secondary fracturing and veining. No other elements of economic interest were associated with this zone. I.C.P. data for the same interval shows a strong correlation with calcium enrichment and sodium depletion.

Hole 90-7 did succeed in intersecting narrow quartz and sulphide bearing veins hosted by chloritic schist zones. The VLF-EM anomaly is believed to be caused by a major fault zone, as indicated from the very broken and clay gouged core.

Section 9450N

DDH90-8 was collared to drill test an area beneath trench TR90-21 where fragments of quartz bearing chloritic schist containing minor pyrite, chalcopyrite and galena, were found in the muck piles where the trench was flooded (see Figure 11). VLF-EM data indicated a break in the E.M. signature along this section. The faulted contact along the quartz monzonite observed in section 9050N was considered of interest and it was hoped to test this same zone along section 9450N.

No ore grade mineralization was intersected in this hole, however, several zones of anomalous gold were encountered. The first, from 21.0 to 25.5 metres, was associated with a zone of chloritic schist with some secondary quartz veining. Values of up to 0.90 ppm gold were found with traces of chalcopyrite and galena within quartz-carbonate veins. Also of note in this intersection was the appearance of rhodochrosite filling centimetre wide fractures at a low angle to core axis.

A second interval of chlorite schist with quartz veining was encountered from 49.9 to 53.65 metres. Within this section were quartz carbonate veins containing the highest concentrations of pyrite (or sulphides) observed in the drill program. Corresponding with this intersection were gold values which ranged from 85 to 340 ppb.

A third interval from 77.0 metres to 88.0 metres along the schist/monzonite contact, contained values ranging from 80 ppb to 0.43 ppm gold. Again, as in previous sections this interval corresponded to increased background values in calcium (I.C.P. analysis).

There is a clear correlation in this hole between chloritic schist zones hosting sulphide-bearing quartz veins and the anomalous gold values. Hole 90-8 was successful in exposing the sulphide-bearing quartz within the schist zones. The upper and middle schist zones from Hole 90-8 likely correlate with those exposed in TR90-21. The lower schist zone could explain the VLF-EM anomaly at 9490E.

Section 9600N

This section was collared to drill test the northerly extension of the potentially mineralized schist and faulted contact observed in DDH90-8. Geophysical data indicated the VLF-EM conductor, drill tested on Section 9450E, might extend to this section (see Figure 12).

DDH90-9 intersected 7.2 metres of amphibolite prior to entering the quartz monzonite. The contact zone of the two units was characterized by epidote/sericite alteration and secondary quartz-carbonate veins/fractures with up to 2% sulphides. K-feldspar alteration was also noticeable along and adjacent to fractures within the monzonite in this section. Only one anomalous gold intersection was encountered in this hole, with a value of 140 ppb gold over 1.9 metres, associated with a xenolith of amphibolite bordered by a zone of secondary veining/fracturing.

Hole 90-9 failed to intersect any mineralized quartz bearing schist zone nor was the amphibolite/monzonite contact faulted. The hole was abandoned at 37.2 metres for this reason and also because of unstable ground where the drill rig was set up.

DDH90-10 was drilled on the same section with the intent to drill test a larger slice of amphibolite/ schist near the contact with the intrusive (see Figure 12).

The hole was cased to 3.5 metres and drilled to 56.0 metres before entering the monzonite. A few intersections within the amphibolite gneiss returned anomalous values in gold with a high of 215 ppb gold associated with a narrow chlorite schist zone all of which were characterized by some secondary veining.

Hole 90-10 succeeded in intersecting a mineralized chlorite schist zone as well as the amphibolite/monzonite contact which did not display any evidence of a fault zone. The VLF-EM anomaly remains unexplained.

Although there were no intervals of potential ore grade mineralization in this section, the mineralized nature of the chlorite schists and amphibolite/monzonite contact represent some geological interest.

7.2 Interpretation

The diamond drilling results were disappointing as no significant structurally-related mineralization was encountered. The anomalous gold values were most commonly associated with chlorite schist zones hosted by amphibolite gneiss or faulted/altered contact zones between the amphibolite gneiss and the quartz monzonite. Also, both zones appear to correlate with secondary quartz-carbonate veining and increased sulphide content.

Chlorite schist zones hosting narrow quartz-carbonate veins were encountered in most of the drill holes but no large continuous vein systems appear to exist. A well developed chlorite schist zone is commonly developed near the amphibolite gneiss/quartz monzonite contact.

Diamond drill holes 90-1, 90-2, and 90-3 were unsuccessful in attempting to trace the well developed and mineralized vein of the south grid northward. However, the position of the quartz monzonite/amphibolite contact in DDH90-1 indicates the presence of a cross-fault in the westward trending creek valley at 6260N. The position of the contact and schist zones in drill holes 90-2 and 90-3 show a displacement to the west rather than the presumed northward extension.

The IP anomaly tested in drill holes 90-4 and 90-5 was related to weak pyrite mineralization within the amphibolite gneiss unit. The best gold value was encountered in DDH90-5 which assayed 5.25 ppm gold over 2.25 metres associated with quartz-carbonate veining and increased sulphide content. A coincident anomalous lead value within this interval appears to indicate the presence of quartz-carbonate veining.

VLF-EM conductors appear to be related to chlorite schist zones or faulted contact zones.

8.0 SOIL GEOCHEMISTRY

8.1 Results

The geochemical results of the 1990 soil sample grid, trench and test pit overburden sample profiles, and basal till sample survey are listed in Appendix VI. These results were combined to produce statistical summaries and histogram plots for each metal which are presented in Appendix VII. Threshold levels are then determined which can be applied to separate the anomalous, if present, populations from the background values. The following range of values are considered to be background, anomalous, and highly anomalous concentrations for each element.

Element	Background	Anomalous	Highly Anomalous
Gold	<5 ppb	5 - 50 ppb	>50 ppb
Copper	<50 ppm	50 - 80 ppm	>80 ppm
Zinc	<60 ppm	60 - 85 ppm	>85 ppm
Lead	<9 ppm	9 - 15 ppm	>15 ppm
Silver	<0.2 ppm	0.2 - 0.3 ppm	>0.3 ppm
Arsenic	<5 ppm	5 - 8 ppm	>8 ppm

Figures 22 and 23 are location plots for gold and copper with the size of the plot symbol scaled to the magnitude of the geochem value. Figure 4 shows the location of the 1990 soil grid.

In general terms, gold and copper appear to behave quite independently while silver, lead, zinc, and arsenic have a higher degree of correlation. It was noted in previous work programs that copper is a useful indicator element on the property because chalcopyrite is often a minor constituent in veins which carry good gold values. Therefore , only gold and copper were used on the 1990 soil sample grid location plots shown on Figures 22 and 23.

Gold values range from less than the detection limit of 5.0 ppb to a maximum of 680 ppb. Approximately 65% of the samples returned values less than the detection limit, and 23 samples had values in excess of the 25 ppb threshold level. The anomalous gold values define several single station "spot" anomalies (see Figure 22). Only one narrow trend can be defined between line 7900N and line 8000N at 10240E (see Figure 22), but generally gold values are erratically distributed over the grid.

Copper values range from 1.0 to 181 ppm. Approximately 15 samples had values in excess of the 50 ppm threshold level. These samples define two weak and narrow, one station wide, trends as shown on Figure 23. They include one trend crossing line 7900N and line 8000N centred on 10240E and another crossing line 8000N and line 8100N at 9900E.

8.2 Interpretation

Anomalous metal values were defined and they demonstrate weak trends as shown on Figures 22 and 23.

The anomalies displayed by gold and copper on lines 7900N and 8000N may be reflecting concentrations of these metals in the underlying bedrock. Gold and copper soil anomalies occur in an area underlain by the quartz monzonite unit which has been noted to host chlorite-carbonate schist zones containing thin sulphide bearing quartz veins and anomalous gold concentrations. However, conventional soil sampling as an exploration technique may be suspect in areas of the central grid which do appear to be covered by glacial till and/or relatively thick deposits of colluvium or alluvium. The erratic behaviour of anomalous gold and copper values is likely due to thick glacial overburden and/or glacial transport from a distant source. Therefore, anomalous metal values should be considered suspect in areas of thick overburden. No direct follow up of these anomalies is recommended.

9.0 CONCLUSIONS

1. It is unlikely that a large continuous vein system is present in the central grid, unless it lies in the quartz monzonite east of the areas investigated during the 1990 program. Quartz veins encountered were generally narrow compared to the well developed vein system of the main showings in the south grid.

2. A number of chlorite/sericite/carbonate schist zones were intersected by trenching and drilling. Most of them host thin sulphide-bearing quartz veins and fracture fillings with similar trends to the schist zones. A schist zone is commonly developed near the amphibolite gneiss-quartz monzonite contact, however, chlorite schist zones were also encountered in quartz monzonite.

3. Rock geochemistry revealed low-level anomalous gold, copper, lead, and silver concentrations associated with narrow sulphide-bearing quartz-carbonate veins hosted by the schist zones occurring within the amphibolite gneiss or within the quartz monzonite. The most significant, in terms of grade, is located in Trench 17. A 2.0 metre chip sample returned anomalous values of 1220 ppb gold, 1.9 ppm silver, and 1044 ppm lead. Anomalous metal values were not restricted to chlorite schist zones, but were also present within thin quartz veins occurring in quartz monzonite and non-schistose amphibolite gneiss. The amphibolite often displayed increased epidotization or silicification along with an increase in sulphide content. In DDH90-1, a 19.5 metre interval averaged 235 ppb gold in an altered quartz monzonite containing quartz stringers. In DDH90-5, a 2.25 metre interval of amphibolite gneiss assayed 5.25 ppm gold.

4. Diamond drill holes 90-1, 90-2, and 90-3 indicate that the position of the quartz monzonite contact and schist zones at 6220N was offset 30 metres towards the west rather than continuing grid northward, suggesting a cross-fault in the westward trending creek valley. This narrows the width of the interpreted amphibolite gneiss belt in the central grid to about 150 to 300 metres.

5. Trenches and drill holes indicate that not all VLF-EM conductors coincide with chlorite schist zones. The sources of the VLF-EM signatures are probably related to water-filled structures such as fractures in bedrock and porous zones in till, therefore VLF-EM anomalies should not be considered as an exploration guide.

6. The I.P. anomaly which was collared in drill holes 90-4 and 90-5 appears to be related to very finely disseminated pyrite and pyrrhotite that is non-uniformly distributed in the amphibolite gneiss.

7. Overburden profile sampling in trenches determined some anomalous metal values, however, results were sporadic and often scattered. These values correlate with the spotty distribution of anomalous values in the 1989 soil survey. Sampling of the various horizons did not always reflect the values observed in bedrock. This demonstrates that the source of soil anomalies cannot readily be considered in-situ, suggesting glacial or hydromorphic transport.

8. Soil geochemistry revealed weakly anomalous concentration of gold and copper on the 1990 soil grid but no obvious trends were defined. The sources of most of the 1989 soil geochemical anomalies remain unknown. The erratic behaviour of anomalous gold and copper values is likely due to thick glacial overburden and/or glacial transport from a distant source. Therefore, anomalous metal values should be considered suspect in areas of thick overburden.

9. There are numerous other untested targets on the property.

10. The possible source for the geochemical and geophysical anomalies are comparatively narrow shear zone systems with localized development of gold-bearing quartz-sulphide veins and lenses.

10.0 RECOMMENDATIONS

Rock and soil geochemistry anomalies are not considered of strong enough tenor or of significant widths to warrant any more trenching or drilling. The narrow shear zone and gold bearing-sulphide vein systems may be viable as small high grade mining operations, but at this stage, these small deposits do not meet the objectives of Placer Dome Inc. Therefore, it is recommended that the option agreement be dropped.

11.0 REFERENCES

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12.0 STATEMENT OF EXPENDITURES

The following lists the approximate expenditures which Placer Dome Inc. incurred on the McConnell Creek Property during the 1990 work program.

TABLE 4

Statement of Expenditures

Personnel		
Doug Leishman (project geologist) 33 days @ $371/day	$ 12,243.00	
Marc Deschenes (geologist) 30 days @ $247/day	7,410.00	
Rob Pease (senior geologist) 4 days @ $ 420/day	1,680.00	
Bruno Barde (district geologist) 3 days @ $470/day	1,410.00	
Neil Martin (technician) 39 days @ $231/day	9,009.00	
Gilles Demers (field assistant) 31 days @ 194/day	6,014.00	
Scott Knight (field assistant) 31 days @ 155/day	4,805.00	
Marc McGinnis (field assistant) 7 days @ $151/day	1,057.00	
Olive Dodd (cook) 33 days @ $140/day	4,620.00	$ 48,248.00
Road and Site Preparation		
M.B.Contracting: TD-15 Cat and operator 39 days @ $295/day		11,505.00
Labour		
SKD Contracting: (Corwin Buck) 38 days @ $136/day		5,168.00
Trenching		
Lepka Holdings Ltd.: Cat D225 backhoe & operator 16 days @ $1100/day		17,600.00
Total forward		$ 82,521.00

Total forward		$ 82,521.00

Diamond Drilling

Leclerc Drilling Ltd.: Longyear S-38 rig 1044 metres @ $65/metre		67,860.00

Consulting

1) W.G. Smitheringale: 15 days @ $540/day	$ 8,100.00	
2) Vancouver Petrographics Ltd.: 5 samples @ $117 each	585.00	8,685.00

Camp Costs

PDI	175 man days		
Contractors	149 " "		
Consultants	15 " "		
	339 man days @ $50/man/day		16,950.00

Analytical

Rock and drill core: 30 element ICP and Au geochem 742 samples @ $15 each	$ 11,130.00	
Sludge: Au geochem 185 samples @ $8 each	1,480.00	
Soil: geochem for Ag,As,Au,Cu,Pb,Zn 442 samples @ $12 each	5,304.00	17,914.00

Transportation

Vehicle rentals: 3 4X4 trucks 60 days @ $35/day	$ 6,300.00	
Vehicle repairs & maintenance: ATV's & trucks	3,575.00	
Helicopters	2,716.00	12,591.00

Fuel

Gas, diesel, propane, oil	4,224.00
Expediting & Freight	15,116.00

Total forward	$ 225,861.00

Total forward		$ 225,861.00
Communications		857.00
Equipment & Supplies		3,887.00
Travel Expenses		1,940.00
<u>Report Preparation</u>		
Compilation and Writing	$ 15,300.00	
Drafting and typing	1,500.00	
Map Reproductions	500.00	17,300.00
TOTAL COSTS		$ 249,845.00

14.0 STATEMENT OF QUALIFICATION

I, Marc Deschenes, of the city of Castlegar, B.C., do hereby certify that:

1. I am a graduate from l'Ecole Polytechnique de Montreal, Montreal, Quebec, where I received a B.A.Sc. in Geological Engineering (Exploration Option), in May 1984.

2. From 1980 until the present, I have been involved in studying geology or working in the mineral exploration field in various regions of Canada. I have been employed by Placer Dome Inc. temporarily since May 1988.

3. I am a member of the Order of Engineers of Quebec.

4. I personally participated in the field work described in this report, and have compiled, reviewed, and assessed the resulting data.

Respectfully Submitted,

Marc Deschenes

Marc Deschenes, B.A.Sc., Geol. Eng.

APPENDIX I

EXPLANATION

of

DRILL AND TRENCH LOG CODES

LOGGING CODE EXPLANATION

Column 1 is a key which indicates the type of data or information on each line.

I - Identity information/data
S - Survey data
/ - Upper tier geologic data
L - Lower tier geologic data
R - Free form remarks
A - Assay and analysis data

I DATA

Each Drill Hole has two I lines at the start.

The first line indicates:
Col. 11 to 16 - ID of Project
Col. 17 to 24 - Drill Hole or Trench Name
Col. 29 to 35 - Day/Month/Year Logged
Col. 36 to 38 - Logger's Initials
Col. 39 to 41 - Helper's Initials (if any)
Col. 60 to 62 - Coordinate system
Col. 63 to 68 - Grid Azimuth (0.0 if True North)

The second line indicates.

Col. 5 to 45 - Company Name
Col. 46 to 69 - Property or Project or Sub Project Name

S DATA

The S000 line is the collar survey data. Subsequent S Lines (S001, S002, etc.) are down-the-hole surveys.

Col. 5 to 10 - From (a decimal point is inferred between column 8 and 9)
Col. 11 to 16 - To (a decimal point is inferred between column 14 and 15)
Col. 17 to 18 - Units; MT (metres), FT (feet)
Col. 20 to 26 - Total Length
Col. 27 to 32 - Azimuth
Col. 33 to 38 - Dip
Col. 51 to 60 - Northing
Col. 61 to 70 - Easting
Col. 71 to 80 - Elevation

/ AND L DATA

Two lines are available to describe a geologic interval, the upper line (/) and the lower line (L). *The /NAM line defines the* mineral fields for the upper line.

ST Geocode - upper (/NAM) line

	TRENCHING	DRILLING
Col. 57, 58	CL - Chlorite	PY - Pyrite
Col. 59, 60	SE - Sericite	MG - Magnetite
Col. 61, 62	SI - Quartz	
Col. 63, 64	CA - Carbonate	CL - Chlorite
Col. 65, 66	EP - Epidote	SE - Sericite
Col. 67, 68	CC - Chlorite-Carbonate	CB - Carbonate
Col. 69, 70	PY - Pyrite	EP Epidote
Col. 71, 72	CP - Chalcopyrite	KF - Potassium Feldspar
Col. 73, 74	GL - Galena	CY - Clay mineral
Col. 75, 76	BO - Bornite	KA - Kaolinite
		FU - Fuchsite

ST Geocode - Lower (LNAM) Line

	TRENCHING	DRILLING
Col. 57, 58	LI - Limonite	CV - Carbonate Vein
Col. 59, 60	HE - Hematite	AK - Ankerite
Col. 61, 62	PL - Pyrolusite	PF - Plagioclase
Col. 63, 64	MC - Malachite	TO - Tourmaline
Col. 65, 66		PV - Pyrite Vein
Col. 67, 68		CP - Chalcopyrite
Col. 69, 70	SL - Sphalerite	GL - Galena
Col. 71, 72	MG - Magnetite	HE - Hematite
Col. 73, 74	GD - Gold	LM _ Limonite
Col. 75, 76		MA - Malachite

Upper (/) Geologic Data

Col. 5 to 10 - From (decimal inferred between 8 and 9)
Col. 11 to 16 - To (decimal inferred between 14 and 15)
Col. 24 to 27 - Rock Type Code - See Rock Type Chart
Col. 28 to 29 - Typifying Mineral 1 - see Mineral Chart
Col. 30 to 31 - Typifying Mineral 2 - see Mineral Chart
Col. 32 to 33 - Main Rock Forming Mineral 1 - See Mineral Chart
Col. 34 - Rock Forming Mineral Field, Amount of Occurrences, See G Scale Chart
Col. 35 to 36 - Texture 1 - see Texture Chart

Logging Code Explanation, continued

```
Col. 37 to 38 - Texture 2 - see Texture Chart
Col. 47       - Essentially always a "P" which stands
                for Principle Geologic Interval.  If
                "N", it stands for Nested Interval
                which
                means all of the above interval
                description applies, except as noted.
Col. 49 to 50 - Structure 1 - see Structure Chart
Col. 51 to 53 - Azimuth of Structure 1.
Col. 54 to 56 - Dip of Structure 1.
Col. 57       - Mineral Field, Mode of Occurrence - See
                H Scale Chart
Col. 58       - Mineral Field, Amount of Occurrence -
                See G Scale Chart
Col. 59 to 74 - Mineral Fields, sample pattern
                continues
                (ie. G. Scale How, Amount) as in
                columns 57, 58.
```

Lower (L) Geologic Data

```
Col. 28 to 29 - Colour Code - See Colour Chart
Col. 30 to 31 - Typifying Mineral 3 - See Mineral Chart
Col. 32 to 33 - Main Rock Forming Mineral 2 - See
                Mineral Chart
Col. 34       - Rock Forming Mineral Field - Amount of
                Occurrence - See G Scale Chart
Col. 35 to 36 - Texture 3 - see Texture Chart
Col. 43       - Count of Fractures at Steep Angle to
                Core Axis - See F Scale
Col. 44       - Count of Fractures at Medium Angle to
                Core Axis - See F Scale
Col. 45       - Count of Fracture at Low Angle to
                Core Axis - See F Scale
Col. 49 to 50 - Structure 2 - See Structure Chart
Col. 51 to 53 - Azimuth of Structure 2
Col. 54       - Dip of Structure 2
Col. 55 to 56 - Angle to Core Axis of Structure 2
Col. 57 to 64 - Mineral Fields, as in upper (/) Data
```

Note: Columns 43 to 46 not always used

R DATA

These are free form remarks written by the logger to further describe the geologic interval. Note that Rock Type Codes (see Rock Type Charts are often used.

A DATA

Logging Code Explanation, continued

This last type of data lists the assay information for the trench or drill hole.

Note that remarks are also used.

Drilling

A001 Split core samples, assay results
A002 Recovery, RQD
A003 Sludge samples, assay results
A004 Split core samples, assay results
A005 Split core samples, assay results
A006 Split core samples, assay results

Trenching

A001 Chip samples, assay results
A002 Structure samples, assay results
A003 Grab samples, assay results
A004 Chip, Structure, and Grab samples, assay results
A005 Chip, Structure, and Grab samples, assay results
A006 Chip, Structure, and Grab samples, samples, assay results

The following lines describe and list the assay data.

```
ALAB Col. 17 to 80 - Define Laboratory
ATYP Col. 17 to 30 - Define Type of Determination
AUMM Col. 17 to 80 - Define Assay Fields
A00? Col.  1 to  4 - Defines Sample Type
     Col.  5 to 10 - From (decimal inferred between 8 and 9)
     Col. 11 to 16 - To (decimal inferred between 14 and 15)
     Col. 21 to 26 - Sample Number
A001 Col. 27 to 32 - Gold ppb
     Col. 33 to 38 - Gold ppm
     Col. 39 to 44 - Copper ppm
     Col. 45 to 50 - Lead ppm
     Col. 51 to 56 - Zinc ppm
     Col. 57 to 62 - Calcium %
     Col. 63 to 68 - Potassium %
     Col. 69 to 74 - Sodium %
     Col. 75 to 80 - Iron %
A004 Col. 27 to 32 - Bismuth ppm
     Col. 33 to 38 - Cadmium ppm
     Col. 39 to 44 - Cobalt ppm
     Col. 45 to 50 - Chromium ppm
     Col. 51 to 56 - Silver ppm
     Col. 57 to 62 - Barium ppm
     Col. 63 to 68 - Molybdenum ppm
     Col. 69 to 74 - Nickel ppm
     Col. 75 to 80 - Tungsten ppm
```

Logging Code Explanation, continued

A005	Col. 27 to 32	- Lanthanum ppm
	Col. 33 to 38	- Thorium ppm
	Col. 39 to 44	- Scandium ppm
	Col. 45 to 50	- Arsenic ppm
	Col. 51 to 56	- Antimony ppm
	Col. 57 to 62	- Mercury ppm
	Col. 63 to 68	- Manganese ppm
	Col. 69 to 74	- Strontium ppm
A006	Col. 27 59 32	- Aluminium %
	Col. 33 to 38	- Magnesium %
	Col. 39 to 44	- Phosphorus %
	Col. 45 to 50	- Titanium %
	Col. 51 to 56	- Vanadium ppm
	Col. 57 to 62	- Zirconium ppm

CHARTS

1. Rock Type Chart

A four letter code is used to describe rock types. The first four letters of a rock type name is its preferred code. If the fourth letter is a vowel, the vowel is replaced by the next consonant.

Letter Code	Lithology
OVBD	OVERBURDEN
BRXX	BRECCIA
FAUL	FAULT BRECCIA
VEIN	VEIN
QZDR	QUARTZ DIORITE
PPDI	PORPHYRITIC DIORITE
FGDI	FINE GRAINED QUARTZ DIORITE
PGDK	PEGMATITE DYKE
MSSF	MASSIVE SULPHIDE
QZMZ	QUARTZ MONZONITE
MZDI	MONZO DIORITE
FSDK	FELSIC DYKE
AMGN	AMPHIBOLITE GNEISS
CLS1	CHLORITE SCHIST TYPE 1: CHLOR-PLAG (CALC-SER)
CLS2	CHLORITE SCHIST TYPE 2: SER-CALC-FUCH (CHLOR)
CLS3	CHLORITE SCHIST TYPE 3: CHLOR-(MANG.OXYDE)
CLS4	CHLORITE SCHIST TYPE 4: CHLOR (SIMILAR TO TYPE 1, UNCOMMON)
CLS5	CHLORITE SCHIST TYPE 5: CARB,

Logging Code Explanation, continued

	MINOR QZ-SER-CHLOR+CHLORITIC PODS
CLS#	CHLORITE SCHIST TYPE #: CHLOR SCHIST NOT DESCRIBED ABOVE
QZVN	QUARTZ VEIN
MFDR	MAFIC DIORITE
PPQM	PORPHYRITIC QUARTZ MONZONITE
MTGB	METAGABBRO
FELS	FELSITE
MYLN	MYLONITE

2. Mineral Chart (ie. Mineral short-forms)

PY	PYROLUSITE
GY	GYPSUM
XE	XENOCRYST
BO	BORNITE
HS	SPECULAR HEMATITE
PH	PHLOGOPITE
MN	MANGANESE
SL	SPHALERITE
AC	ACTINOLITE
AK	ANKERITE
AM	AMPHIBOLE
BI	BIOTITE
CL	CHLORITE
CA	CALCITE
CC	CHLORITE-CARBONATE
CB	CARBONATE
CY	CLAY
EP	EPIDOTE
FU	FUCHSITE
FX	FELSPAR
KF	ORTHOCLASE FELDSPAR
KA	KAOLINITE
PF	PLAGIOCLASE
HB	HORNBLENDE
QZ	QUARTZ
SE	SERICITE
SI	SILICIFICATION
TO	TOURMALINE
CP	CHALCOPYRITE
GL	GALENA
GD	GOLD
HE	HEMATITE
MG	MAGNETITE
MO	MOLYBDENITE
PY	PYRITE
PO	PYRRHOTITE
MC	MALACHITE

Logging Code Explanation, continued

LI	LIMONITE

3. Texture Chart (ie. Texture Short Forms)

SC	SCHISTOSE
BN	BANDED
MX	MASSIVE
VG	VUGGY
LM	LAMINATED
BR	BRECCIATED
PP	PORPHYRITIC
EQ	EQUIGRANULAR
FG	FINE GRAINED
MG	MEDIUM GRAINED
CG	COARSE GRAINED
SH	SHEARED
S3	WEAKLY SHEARED
S5	MODERATELY SHEARED
S7	INTENSELY SHEARED
LN	LENTICULAR
R2	SLIGHTLY REWORKED
R5	MODERATELY REWORKED
R7	STRONGLY REWORKED
RW	REWORKED
AG	AUGEN STRUCTURED
SW	STOCKWORKED
BK	BLOCKY
KR	CRACKLED
VV	VEINED
PA	PATCHY
F3	WEAKLY FOLIATED
F5	MODERATELY FOLIATED
F7	INTENSELY FOLIATED
FF	FRACTURE FILLED
FZ	FAULTED
<<	MICROVEINS
>>	MACROVEINS
PB	PORPHYROBLASTIC
SP	SPECKLED
SA	SANDY
ND	NONDESCRIPT
UF	UNIFORM TEXTURED
XE	XENOCRYSTIC
GN	GNEISSIC

Logging Code Explanation, continued

4. Structure Chart (ie. Structure Short-Forms)

BN	BANDED
BD	BEDDED
BR	BRECCIATED
QV	QUARTZ VEINS
SH	SHEAR ZONE
<<	MICROVEINS
>>	MACROVEINS
FZ	FAULT
C/	CONTACT
D/	DYKE
FS	FRACTURE SET
GN	GNEISSOSITY
LS	LENS
SH	SHEAR
MX	MASSIVE
V/	VEIN
VE	EPIDOTE VEIN
VC	CALCITE VEIN
VP	PYRITE VEIN
VQ	QUARTZ VEIN
VG	GYPSUM VEIN
FO	FOLIATION
S#	SCHISTOSITY
LN	LINEATED
H	SHEAR

Logging Code Explanation, continued

5. How Chart or H Scale

Symbol	Most Dominant Mode of Occurrence
A	Amygdaloids, cavity fillings
B	Blebs
#	Breccia Fillings
C	Coatings & Encrustations
*	Clasts
D	Disseminations & Scat.x'ls
E	Envelopes
F	Framework Crystals
G	Gouge
H	Halos
I	Eyes, Augen
J	Interstitial
K	Stockwork
L	Laminated/bedded
M	Massive
N	Nodules
O	Spots
Q	Patches, as in quilts'
R	Rosettes & x'tls clusters
S	Salvages
$	Sheeting
T	Stainings, as in tarnish
U	Euhedral
V	Veins
>	Macroveins
<	Microveins
W	Boxwork
X	Massive and/or laminated/bedding
Y	Dalmationite
Z	Fresh, primary rock
+	Flooding

Logging Code Explanation, continued

6. G Scale or Amount Chart

Code	Assigned Value	Range
X	100	100 %
9	90	85 to 99
8	80	75 to <85
7	70	65 to <75
6	60	55 to <65
5	50	45 to <55
4	40	35 to <45
3	30	25 to <35
2	20	15 to <25
1	10	7 to <15
=	5	4 to < 7
+	3	2 to < 4
)	1	.5 to < 2
*	.3	.2 to <.5
(	.1	.05 to <.2
-	.03	.02 to <.05
.	.01	Trace = <.02
0	0	Nil, Absent
/	.07	Present: Estimate impossible
?	0	Possibly Present

Logging Code Explanation, continued

7. Colour Chart

The colour chart can be used in two ways. A lightness can be combined with colour, or two colours can be combined.

eg. 3U - Dark Brown
or
RU - Reddish Brown

Lightness

Symbol	Value
9	palest
8	pale
7	light
6	lighter
5	medium
4	darker
3	dark
2	very dark
1	darkest

Colour

Symbol	Colour
R	Red
U	Brown (Umber)
O	Orange
T	Tan (khaki)
Y	Yellow
L	Lime (Y-G)
G	Green
Q	Aqua (B-P)
B	Blue
V	Violet (B-P)
P	Purple
M	Mauve
W	White
A	Grey
N	Black (Noir)

8. F Scale or Fractures and Joints Intensity Chart

Range Values	Assigned Values	Symbol	Description
	0	0	Unfractured
0 - 2	1	1	Extremely low intensity
2 - 4	3	2	Very low intensity
4 - 8	6	3	Low intensity
8 - 12	10	4	Moderately low intensity
12 - 18	15	5	Moderate
18 - 24	21	6	Fairly high intensity
24 - 32	28	7	High intensity
32 - 40	36	8	Very intense
40 - 50	45	9	Extremely intense
> 50	55	X	Shattered

APPENDIX II

TRENCH LOGS, ASSAY RESULTS

AND

OVERBURDEN PROFILE DATA

Trench 90-1

```
IDEN6B0201 V239 TR90-01     07AUG90 MD   LEPKAUG90225   DALGRD  0.0
IPRJ      PDI/GERLE GOLD                    MCCONNELL CK PROPERTY
S000   00   260 MT   26.0 272.5 -16.0              10147.0    9416.5    1405.0
/SCL        MT.2
LSCL                       LCTM
/NAM                                                  CLSESICAEPCCPYCPGL
LNAM                                                  LIHEPLMC    SLMGGD
R               THIS TRENCH DUG TO TEST CU-AU GEOCHEM ADJACENT TO GEOL. CONTACT
R               TRENCH SURVEYED FROM E TO W,BEDROCK BROKEN DOWN TO 0.5M DEPTH
R               BELOW OVBD
R               FIRST 18.0 M ONLY MAPPED & SAMPLED DUE TO OVBD & WATER
/      00   180        AMGNAMPFBI+FGF3    3 6 P FO340    F+P+  F)F+  D(D(
L                          3AQZ   FF           VQ356    F+
R               DARK-GREY F.G.,WEAKLY ALT'D,WEAKLY FOLIATED MAFIC DIORITE DIS-
R               PLAYING QZ-CA-EP MICROVEINS
R               ROCK CONSISTS OF 80% MAFICS (HORNB) W. LESSER INTERLOCKING PLAG
R               & QZ X-TALS (1-2 MM)
R               ALT. DISPLAYED AS WEAK CHLOR.& SER.,MOSTLY IN FRACT.& QZ-CA-EP
R               TRACES OF DISS PY & CP
R               FRACTURE SET @ 340 & 54 DEG
R               WEAK TO MOD. FOLIATION (LOCALIZED) @ 340 DEG
R               9.5 M    : RUSTY,INTENSELY ALT'D (CHLORITIC),15 CM WIDE SHEAR
R                          STRIKING 340 DEG & DIPPING STEEPLY NE
R               13.0-13.9: 12-15 CM QZ VEIN STRIKING @ 356DEG & DIPPING STEEPLY
R                          SW; WHITE,CRYSTALLINE,BARREN QTZ
R               TRENCH DISCONTINUED DUE TO EXTENT OF SOIL ANOMALY
/     180   260        OVBD                   P
R               TRENCH WAS FILLED W. WATER & OVB FROM 18.0-26.0 M
R               END OF TRENCH
A001
AUMM            LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                            ppb   ppm   ppm   ppm   ppm    %     %     %     %
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A001   00    20      14501  10.0          58     1    27  0.77  0.15  0.11  2.42
A001   20    40      14502   2.5          50     1    38  0.98  0.17  0.11  3.19
A001   40    60      14503   5.0          59     1    39  0.72  0.29  0.07  3.15
A001   60    80      14504   2.5          50     1    30  0.93  0.16  0.10  2.41
A001   80   100      14505   2.5          74     1    32  0.87  0.17  0.07  2.55
A001  100   120      14506   2.5          42     1    39  1.10  0.19  0.12  3.13
A001  120   140      14507   2.5          28     1    31  1.47  0.15  0.19  2.64
A001  140   160      14508   2.5          65     1    38  1.40  0.24  0.11  3.08
A001  160   180      14509   2.5           6     2     4  0.24  0.06  0.11  0.44
R     180   200 NO SAMPLES- OVBD & WATER
A004
AUMM                SAMPLE    BI    CD    CO    CR    AG    BA    MO    NI     W
R                            ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            ICP
```

```
A004   00    20      14501     1  0.05    19    68  0.05    24     3    19   2.5
A004   20    40      14502     1  0.05    23   100  0.05    18     3    28   2.5
A004   40    60      14503     1  0.05    24    89  0.05    22     3    34   2.5
A004   60    80      14504     4  0.05    20    96  0.05    18     3    35   2.5
A004   80   100      14505     1  0.05    22    78  0.10    17     2    35   2.5
A004  100   120      14506     1  0.05    21    90  0.05    22     3    28   2.5
A004  120   140      14507     6  0.05    17    98  0.05    20     3    25   2.5
A004  140   160      14508     1  0.05    22    87  0.05    19     2    31   2.5
A004  160   180      14509     1  0.05     2   122  0.05    13     3     5   2.5
R     180   200 NO SAMPLES- OVBD & WATER
A005
AUMM                SAMPLE    LA    TH    SC    AS    SB    HG    MN    SR
R                            ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            ICP
A005   00    20      14501     1     5     4   2.5   2.5   1.5   370    34
A005   20    40      14502     1     5     4   5.0   2.5   1.5   495    40
A005   40    60      14503     1     5     4   2.5   2.5   1.5   549    25
A005   60    80      14504     1     5     5   2.5   2.5   1.5   387    29
A005   80   100      14505     1     5     4   2.5   5.0   1.5   424    28
A005  100   120      14506     1     5     5   2.5   2.5   1.5   530    48
A005  120   140      14507     2     5     6   2.5   2.5   1.5   430    83
A005  140   160      14508     1     5     4   2.5   5.0   1.5   476    57
A005  160   180      14509     5     5     1   2.5   2.5   1.5    62    28
R     180   200 NO SAMPLES- OVBD & WATER
A006
AUMM                SAMPLE   AL%   MG%    P%    TI     V    ZR
R                              %     %     %     %   ppm   ppm
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            ICP
A006   00    20      14501  1.62  1.32  0.06  0.10  59.0   1.0
A006   20    40      14502  2.40  2.03  0.05  0.12  73.0   1.0
A006   40    60      14503  2.30  2.20  0.06  0.11  71.0   1.0
A006   60    80      14504  1.76  1.71  0.05  0.12  59.0   1.0
A006   80   100      14505  1.88  1.85  0.05  0.11  58.0   1.0
A006  100   120      14506  2.30  2.01  0.07  0.12  76.0   1.0
A006  120   140      14507  2.17  1.56  0.06  0.12  66.0   1.0
A006  140   160      14508  2.45  1.99  0.06  0.12  72.0   1.0
A006  160   180      14509  0.42  0.12  0.00  0.01   6.0   1.0
R     180   200 NO SAMPLES- OVBD & WATER
R                TRENCH OVERBURDEN PROFILE SAMPLE DATA
R       SAMPLE/LOCATION  DEPTH    AG    AS    AU    CU    PB    ZN
R                          CM    ppm   ppm   ppb   ppm   ppm   ppm
R
R       TR90-1    0.0MA    10    0.1     1    40    62     3    33
R       TR90-1    0.0MB   200    0.1     1    15   116     4    37
R       TR90-1   10.0MA    10    0.1     1    30   181     3    34
R       TR90-1   10.0MB   200    0.1     1    25   116     3    43
R       TR90-1   16.0MA    10    0.1     1    25   114     3    37
R       TR90-1   16.0MB   200    0.1     2    40    75     5    52
/END
```

Trench 90-3

```
IDEN6B0201 V239 TR90-03      07AUG90 MD    LEPKAUG90225    DALGRD  0.0
IPRJ       PDI/GERLE GOLD                       MCCONNELL CK PROPERTY
S000    00     80 MT    21.0  85.5  22.0                10450.0    9409.5     1390.0
S001    80    210       21.0  85.5   0.0
/SCL         MT.2
LSCL                         LCTM
/NAM                                                          CLSESICAEPCCPYCPGL
LNAM                                                          LIHEPLMC     SLMGGD
R                THIS TRENCH DUG TO TEST AU-IN-SOIL SPOT ANOMALY OF 565 PPB
/       00     04          QZDRHBPFBI1F5FG          P FO330    P4P+  F)
L                              4AQZ    AG          5
R                DARK-GREY F.G.,FOLIATED QZ DIORITE W.MOD.FOLIATION OR POSSIBLY
R                A NARROW SHEAR ZONE IN QZDR
R                C.G. PLAG & QTZ (~2-3MM) SCATTERED IN A F.G.MAFIC MATRIX (~70%)
R                PARTIAL SERICITIZATION OF PLAG; WEAK CARB ALT. IN FRACT &
R                SURROUNDING FELSIC X-TALS
R                MOD FOLIATION ~90 DEG TO T.A.
R                NO MINERALIZATION
/       04    210          MZDRHBPFBI=MGMX          P SH290    P+P+P)  P+  D.
L                              WNKFQZ+F3S3      33
R                WHITISH-TAN,BLACK,M.G.,FRESH,MASSIVE MONZO-DIORITE/QZ-DIORITE
R                ALTERATION IS VERY WEAK;MINOR CHLOR. ALT.OF AMPH.;WEAK SERICITIC
R                ALT.OF PLAG;LESSER EPIDOTE
R                ROCK CONSISTS OF ~50% MAFICS (2-5MM HORNB) INTERLOCKING W.~20%
R                PLAG & ~10% K-SPAR X-TALS,MINOR BIOT (~5%) & QZ (~2-3%)
R                WEAK FOLIATION THROUGHOUT;MINOR LOCALIZED SHEARING
R                TRACE OF PY
R                0.4-3.0M : WEAKER K-SPAR CONTENT
R                3.0-8.0M : STEEP RISE IN BEDROCK,FRESH,MASSIVE MONZ-DIORITE
R                6.4M      : 0.2M WIDE,STRONGLY ALT,D,SCHISTOSE TEXT'D MONZO-DIOR
R                              STRIKING 300 DEG
R                7.0M      : 3-4 CM WIDE SHEAR ZONE;INTENS'Y ALT'D & FOLIATED,
R                              STRIKING 288 DEG.
R                17.0-19.0: INTENSELY ALT'D SHEAR ZONE DISPLAYING STRONG FOLIATIO
R                              STRIKING 348 DEG
R                17.0-21.0: INCREASE IN CHLOR-EPID ALT (SELECTIVELY PERV.)
R                TRENCH DISCONTINUED DUE TO EXTENT OF SOIL ANOMALY
R                END OF TRENCH
A001
AUMM             LNG SAMPLE   AU1     AU     CU     PB     ZN     CA     K%    NA%    FE%
R                             ppb    ppm    ppm    ppm    ppm     %      %      %      %
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A001    00     20       14510   2.5            28      2     51   0.96   1.61   0.05   2.71
A001    20     40       14511   2.5             9      3     50   0.95   1.53   0.06   2.65
A001    40     60       14512   2.5            24      3     39   0.88   1.08   0.07   2.08
A001    60     80       14513   2.5            26      1     57   1.34   1.66   0.06   3.22
A001    80     90       14514   2.5           112      1     59   2.36   1.67   0.08   3.59
R       90    105       NO SAMPLE-OVBD
A001   105    120       14515   2.5            36      1     55   2.01   2.12   0.06   3.26
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A001	120	140	14516	2.5		28	2	43	1.35	1.58	0.06	2.47
A001	140	160	14517	2.5		42	2	42	1.26	1.32	0.06	2.43
R	160	166	NO SAMPLE-OVBD									
A001	166	180	14518	2.5		10	2	41	0.87	1.16	0.06	2.37
A001	180	200	14519	2.5		19	2	43	0.73	0.93	0.06	2.33
A001	200	210	14520	2.5		3	1	58	0.83	0.99	0.07	2.54
A002												
R			STRUCTURE SAMPLES									
AUMM				AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%
R				ppb	ppm	ppm	ppm	ppm	%	%	%	%
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST									
A002	04	14	14521	2.5		27	2	56	1.12	1.83	0.05	3.44
R			1M CHIP ACCROSS SHEAR ZONE									
A002	70	72	14522	2.5		41	1	78	0.81	1.67	0.04	3.97
R			2M CHIP ACCROSS INTENSELY ALT'D SHEAR ZONE,3-4 CM WIDE (GOUGE)									
A002	187	189	14523	2.5		16	1	87	0.83	1.68	0.04	3.50
R			0.8M CHIP ACCROSS INTENSELY ALT'D FAULT GOUGE									
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A004	00	20	14510	1	0.05	20	138	0.10	121	3	56	2.5
A004	20	40	14511	1	0.05	20	154	0.10	90	2	58	2.5
A004	40	60	14512	1	0.05	15	159	0.05	65	3	48	2.5
A004	60	80	14513	3	0.05	23	209	0.10	144	3	71	2.5
A004	80	90	14514	1	0.05	23	182	0.10	175	2	66	2.5
R	90	105	NO SAMPLE-OVBD									
A004	105	120	14515	3	0.05	23	195	0.10	163	3	73	2.5
A004	120	140	14516	1	0.05	19	163	0.10	59	3	70	2.5
A004	140	160	14517	2	0.05	19	182	0.05	62	2	70	2.5
R	160	166	NO SAMPLE-OVBD									
A004	166	180	14518	4	0.05	19	172	0.05	65	3	68	2.5
A004	180	200	14519	4	0.05	16	124	0.05	74	2	46	2.5
A004	200	210	14520	3	0.05	17	145	0.05	121	3	54	2.5
R			STRUCTURE SAMPLES									
A004	04	14	14521	4	0.05	21	170	0.10	163	4	61	2.5
R			1M CHIP ACCROSS SHEAR ZONE									
A004	70	72	14522	1	0.05	28	233	0.10	147	4	91	2.5
R			2M CHIP ACCROSS INTENSELY ALT'D SHEAR ZONE,3-4 CM WIDE (GOUGE)									
A004	187	189	14523	6	0.05	25	187	0.05	136	2	87	2.5
R			0.8M CHIP ACCROSS INTENSELY ALT'D FAULT GOUGE									
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A005	00	20	14510	4	5	2	2.5	2.5	1.5	605	66	
A005	20	40	14511	6	5	2	2.5	7.0	1.5	566	69	
A005	40	60	14512	5	5	2	2.5	8.0	1.5	437	84	

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A005   60    80       14513      5      5      3   5.0    7.0    1.5    751     77
A005   80    90       14514      5      5      5   2.5    7.0    1.5    821    101
R      90   105       NO SAMPLE-OVBD
A005  105   120       14515      5      5      4   2.5    7.0    1.5    749    109
A005  120   140       14516      5      5      2   2.5    6.0    1.5    529     84
A005  140   160       14517      5      5      3   2.5    5.0    1.5    545     90
R     160   166       NO SAMPLE-OVBD
A005  166   180       14518      5      5      2   2.5    7.0    1.5    532     90
A005  180   200       14519      4      5      2   2.5    2.5    1.5    562    110
A005  200   210       14520      4      5      2   2.5    2.5    1.5    749    125
R                 STRUCTURE SAMPLES
A005   04    14       14521     10      5      5   2.5    7.0    1.5    857     44
R                 1M CHIP ACCROSS SHEAR ZONE
A005   70    72       14522      3      5      2   9.0    9.0    1.5   1041     78
R                 2M CHIP ACCROSS INTENSELY ALT'D SHEAR ZONE,3-4 CM WIDE (GOUGE)
A005  187   189       14523      4      5      2   5.0    7.0    1.5   1011     92
R                 0.8M CHIP ACCROSS INTENSELY ALT'D FAULT GOUGE
A006
AUMM                     SAMPLE    AL%    MG%     P%     TI      V     ZR
R                                    %      %      %      %    ppm    ppm
ALAB              PDI RESEARCH
ATYP              CHIP SAMPLES
AMTH              ICP
A006   00    20       14510   2.11   2.15   0.09   0.11   58.0    0.5
A006   20    40       14511   2.07   2.17   0.09   0.12   61.0    1.0
A006   40    60       14512   1.61   1.64   0.08   0.11   47.0    1.0
A006   60    80       14513   2.37   2.52   0.11   0.14   74.0    1.0
A006   80    90       14514   2.48   2.61   0.14   0.16   93.0    1.0
R      90   105       NO SAMPLE-OVBD
A006  105   120       14515   2.73   2.73   0.08   0.14   76.0    0.5
A006  120   140       14516   2.06   2.14   0.08   0.12   57.0    0.5
A006  140   160       14517   1.96   2.05   0.09   0.12   55.0    1.0
R     160   166       NO SAMPLE-OVBD
A006  166   180       14518   1.90   2.02   0.09   0.12   53.0    1.0
A006  180   200       14519   1.82   1.77   0.10   0.10   49.0    0.5
A006  200   210       14520   1.99   1.92   0.10   0.11   52.0    1.0
R                 STRUCTURE SAMPLES
A006   04    14       14521   2.58   2.35   0.08   0.10   68.0    0.5
R                 1M CHIP ACCROSS SHEAR ZONE
A006   70    72       14522   3.28   3.48   0.11   0.15   81.0    0.5
R                 2M CHIP ACCROSS INTENSELY ALT'D SHEAR ZONE,3-4 CM WIDE (GOUGE)
A006  187   189       14523   3.15   3.25   0.10   0.16   75.0    0.5
R                 0.8M CHIP ACCROSS INTENSELY ALT'D FAULT GOUGE
R                    TRENCH OVERBURDEN PROFILE SAMPLE DATA
R         SAMPLE/LOCATION  DEPTH    AG     AS     AU     CU     PB     ZN
R                             cm   ppm    ppm    ppb    ppm    ppm    ppm
R
R         TR90-3    0.0MA     10   0.1      2      5     16      4     31
R         TR90-3    0.0MB    200   0.1      1    2.5     24      3     32
R         TR90-3    0.0MC    400   0.1      1    220     34      5     41
R         TR90-3   10.0MA     10   0.1      1     10     25      6     54
R         TR90-3   10.0MB    200   0.1      1     15     28      4     33
R         TR90-3   10.0MC    400   0.1      1     10     32      5     45
R         TR90-3   21.0MA     10   0.1      1    2.5     25      4     54
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R       TR90-3   21.0MB   200    0.1     1    15    29     3    30
R       TR90-3   21.0MC   400    0.1     1    20    32     5    44
R                END OF TRENCH
/END
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Trench 90-4

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IDEN6B0201 V239 TR90-04     07AUG90 MD   LEPKAUG90225   DALGRD  0.0
IPRJ       PDI/GERLE GOLD                      MCCONNELL CK PROPERTY
S000   00    90 MT   28.0  87.5  18.0                10341.0    9213.0    1370.0
S001   90   280      28.0  87.5 -10.0
/SCL        MT.2
LSCL                        LCTM
/NAM                                                      CLSESICAEPCCPYCPGL
LNAM                                                      LIHEPLMC    SLMGGD
R                THIS TRENCH DUG TO TEST A MULTIPLE AU GEOCHEM ANOMALY (665 PPB)
R                FIRST 7M IS OVBD FILLED & CANNOT BE SAMPLED OR MAPPED
/      00   280        QZDRAMPFKF1MGMX        P VQ264    P1P1  <)Q+  D.<.
L                           GWQZBI=VGSH     5             <)<)  <.
R                GREEN-WHITE,M.G. QZ-DIORITE,WEAKLY ALT'D & MASSIVE
R                APPROX.40% MAFICS,SOME NARROW QZ VEINING
R                ROCK CONSISTS OF 2-4MM GRAINS OF HORNB & PLAG INTERLOCKED IN A
R                UNIFORM TEXT,LESSER QZ (~5%),BIOT (~5%) W.MINOR K-SPAR
R                ALT.CONSISTS OF PARTIAL CHLOR.OF MAFICS;SERIC.OF PLAG W.LESSER
R                EPIDOTIZATION OCCURING AS LOCALIZED PATCHES
R                TRACES OF CP & MALACHITE IN SMALL FRACT.ASSOC.W.SHEAR ZONES
R                FRACTURING MOD.W.FRACT.SET @ 14 & 84 DEG
R                11.0-14.0: INCREASE IN K-SPAR CONTENT (~15%),BORDERING ON A MZDR
R                16.1-21.3: 20-30 CM QZ VEIN STRIKING 250 DEG,COARSE,BRITTLE,HEM
R                           & LIM STAINED WITHIN AN ALT'D QZDR DISPLAYING STRONG
R                           CHLOR-BIOT-SER ALT; FRACT.CONTROLLED?
R                           VEIN IS DISCONTINUOUS AND WAS SAMPLED FROM 16.1-17.3
R                           & 20.7-21.3.DIP ON TRENCH WALL APPEARS MOD.TO SOUTH
R                17.0-19.5: WEAKLY FOLIATED,VERY MAFIC,CARBONACEOUS,ALT'D ZONE IN
R                           QZ VEIN AREA (~20 DEG.FOL.)
R                19.0     : CP STRINGER W.MALACHITE STAIN'G IN A MORE MAFIC,CAR-
R                           BONACEOUS DIORITE
R                           APPEARS FRACT.CONTROLLED,GRAB SAMPLE TAKEN
R                24.0     : CP CLOT W.MALACH. STAIN'G ASSOC.W.EPID.ALT,APPEARS
R                           FRACT.CONTROLLED,GRAB SAMPLE TAKEN
R                TRENCH DISCONTINUED DUE TO DEEP OVBD
R                END OF TRENCH
A001
AUMM             LNG SAMPLE   AU1    AU    CU    PB    ZN    CA     K%    NA%    FE%
R                             ppb   ppm   ppm   ppm   ppm    %      %      %      %
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
R                SAMPLES TAKEN EVERY SECOND 2M INTERVAL
A001   00    20       14524   2.5            37     2    57  1.13   1.46   0.05   3.15
A001   40    60       14525   2.5            57     1    69  0.95   1.66   0.07   3.65
A001   80   100       14526   2.5            29     2    54  0.93   1.44   0.08   2.92
A001  120   140       14527   2.5            56     1    63  0.86   1.33   0.07   3.40
A001  160   180       14528   2.5            55     1    35  1.22   0.85   0.05   2.09
A001  180   200       14529   2.5           122     1    80  1.62   1.64   0.05   4.58
A001  200   220       14530   2.5            62     1    68  0.92   1.22   0.06   3.94
A001  240   260       14531   2.5            65     1    70  0.94   1.79   0.06   3.68
A002
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AUMM			LNG SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%
R				ppb	ppm	ppm	ppm	ppm	%	%	%	%
ALAB			PDI RESEARCH									
ATYP			STRUCTURE SAMPLES									
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST									
A002	85	94	14532	10.0		59	2	10	0.25	0.20	0.08	0.70
A002	160	174	14533	2.5		12	2	5	0.35	0.20	0.10	0.44
A002	205	212	14534	2.5		166	1	18	0.19	0.24	0.10	1.24
R			ALL QZ VEIN MATERIAL									
A003												
AUMM			LNG SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%
R				ppb	ppm	ppm	ppm	ppm	%	%	%	%
ALAB			PDI RESEARCH									
ATYP			GRAB SAMPLES									
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST									
A003	94	95	14535	2.5		90	2	8	0.22	0.14	0.08	0.70
R			QZ VEIN MATERIAL									
A003	240	241	14536	40.0		2219	2	56	0.93	1.39	0.06	3.26
R			CP & MALACHITE IN ALT'D QZ-DIORITE (~2%)									
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A004	00	20	14524	5	0.05	20	100	0.05	178	3	48	2.5
A004	40	60	14525	5	0.05	24	129	0.05	202	2	56	2.5
A004	80	100	14526	2	0.05	19	146	0.05	158	3	42	2.5
A004	120	140	14527	4	0.05	21	147	0.05	184	4	51	2.5
A004	160	180	14528	5	0.05	14	87	0.05	145	2	27	2.5
A004	180	200	14529	1	0.05	26	106	0.05	278	2	56	2.5
A004	200	220	14530	10	0.05	25	111	0.05	223	2	53	2.5
A004	240	260	14531	3	0.05	24	120	0.05	267	3	63	2.5
R			STRUCTURE SAMPLES									
A004	85	94	14532	4	0.05	5	116	0.05	36	3	9	2.5
A004	160	174	14533	4	0.05	4	144	0.05	70	4	7	2.5
A004	205	212	14534	2	0.05	10	146	0.10	48	4	15	2.5
R			ALL QZ VEIN MATERIAL									
R			GRAB SAMPLES									
A004	94	95	14535	1	0.05	5	124	0.05	27	3	8	2.5
R			QZ VEIN MATERIAL									
A004	240	241	14536	1	0.05	23	111	2.10	223	3	65	2.5
R			CP & MALACHITE IN ALT'D QZ-DIORITE (~2%)									
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A005	00	20	14524	4	5	2	2.5	5.0	1.5	569	154	
A005	40	60	14525	5	5	3	2.5	6.0	1.5	677	119	
A005	80	100	14526	8	5	2	2.5	5.0	1.5	595	96	
A005	120	140	14527	4	5	2	6.0	5.0	1.5	577	106	
A005	160	180	14528	5	5	2	2.5	2.5	1.5	568	69	

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A005  180   200        14529     6      5      4   2.5   5.0   1.5   937   101
A005  200   220        14530     6      5      3   2.5   8.0   1.5   743    83
A005  240   260        14531     6      5      3   2.5   2.5   1.5   649    99
R                STRUCTURE SAMPLES
A005   85    94        14532     8      5      1   2.5   2.5   1.5   297    42
A005  160   174        14533     3      5      1   2.5   2.5   1.5   166    16
A005  205   212        14534     1      5      1   2.5   2.5   1.5   348    27
R                ALL QZ VEIN MATERIAL
R                GRAB SAMPLES
A005   94    95        14535    62     35      1   2.5   2.5   1.5   141    53
R                QZ VEIN MATERIAL
A005  240   241        14536     5      5      2   2.5   2.5   1.5   505    97
R                CP & MALACHITE IN ALT'D QZ-DIORITE (~2%)
A006
AUMM                   SAMPLE   AL%   MG%     P%    TI     V    ZR
R                                %     %      %     %    ppm   ppm
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             ICP
A006   00    20        14524  2.27  1.90   0.16  0.16  78.0   0.5
A006   40    60        14525  2.67  2.35   0.17  0.19  92.0   0.5
A006   80   100        14526  2.07  1.82   0.12  0.15  75.0   0.5
A006  120   140        14527  2.09  1.93   0.17  0.16  88.0   0.5
A006  160   180        14528  1.44  1.14   0.11  0.08  46.0   1.0
A006  180   200        14529  3.08  2.77   0.19  0.16 112.0   1.0
A006  200   220        14530  2.50  2.41   0.19  0.15  99.0   1.0
A006  240   260        14531  2.50  2.28   0.18  0.17  97.0   0.5
R                STRUCTURE SAMPLES
A006   85    94        14532  0.50  0.29   0.01  0.03  16.0   0.5
A006  160   174        14533  0.39  0.13   0.01  0.01   7.0   1.0
A006  205   212        14534  0.74  0.58   0.03  0.04  28.0   0.5
R                ALL QZ VEIN MATERIAL
R                GRAB SAMPLES
A006   94    95        14535  0.45  0.23   0.01  0.02  15.0   0.5
R                QZ VEIN MATERIAL
A006  240   241        14536  1.94  1.72   0.18  0.16  85.0   0.5
R                CP & MALACHITE IN ALT'D QZ-DIORITE (~2%)
R                   TRENCH OVERBURDEN PROFILE SAMPLE DATA
R        SAMPLE/LOCATION  DEPTH    AG    AS    AU    CU    PB    ZN
R                           cm    ppm   ppm   ppb   ppm   ppm   ppm
R
R        TR90-4   0.0MA     10    0.1     1    20    49     6    44
R        TR90-4   0.0MB    150    0.1     1    30    78     4    56
R        TR90-4  10.0MA     10    0.1     1    25    24     6    60
R        TR90-4  10.0MB     60    0.1     1    15    28     5    50
R        TR90-4  20.0MA     10    0.1     1    35    22     9    50
R        TR90-4  20.0MB     60    0.1     1    40    44     5    44
R        TR90-4  28.0MA     10    0.1     2    35    13     5    37
/END
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Trench 90-5

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IDEN6B0201 V239 TR90-05      09AUG90 MD   LEPKAUG90225   DALGRD  0.0
IPRJ       PDI/GERLE GOLD                        MCCONNELL CK PROPERTY
S000   00   210 MT   21.0 117.5   8.0              10712.0    9675.     1405.0
/SCL        MT.2
LSCL                           LCTM
/NAM                                                        CLSESICAEPCCPYCPGL
LNAM                                                        LIHEPLMC    SLMGGD
R                THIS TRENCH DUG TO TEST A AU GEOCHEM ANOMALY
R                OVBD DEPTH VARIES FROM 3.0 TO 1.5M,BEDROCK SLOPES @ 8 DEG RISE
/      00    20         OVBD                    P
/      20   210         QZMZFXQZKF1MGMX         P VQ128   O1P+P=  O=  D*
L                          TWAM   VNS3    252   SH130   <+  <+
R                TAN-WHITE,SPECKLED BLACK,M.G.,SUGARY FEELING,MASSIVE QZ MONZO
R                ~15-20% MAFICS,2-3MM SUB-ROUNDED & ACICULAR AMPH.X-TALS IN A
R                SUGARY PLAG-QZ-K-SPAR MATRIX (~15%QZ & 10%KF)
R                ALT IS WEAK & CONSISTS OF CHLOROTIC & EPID.ALT.OF MAFICS; WEAK
R                SELECTIVELY PERV SILICIFICATION
R                6.0-9.0  : INCREASE IN ALT.OF MAFICS; EPID. & LIM. SPOTSSTEEPLY
R                6.0-8.0  : SHEAR ZONE DISPLAYING INCREASED SILIC.,OXYDIZ.& BLEA-
R                           CHING, STRIKING 130 DEG.
R                10.6     : 5CM WIDE QZ VEIN,DULL WHITE,X-TALLINE,MINOR DISS PY
R                           (<1%),STRIKINK 128 DEG.DIPPING 58 DEG.N, CONTACTS ARE
R                           SHARP,SHEARED & INTENSELY ALT'D.
R                9.5-11.5 : INCREASED SILIC. OF QZ VEIN BORDERS AS WELL AS PY
R                           CONTENT (~1%).
R                14.0     : NARROW SILIC'D ZONE,DULL GREY COLOUR.
R                11.5-21.0: SLIGHT INCREASE IN KF CONTENT
R                20.0     : SILICIFIED ZONE
R                TRENCH WAS DISCONTINUED DUE TO EXTENT OF SOIL ANOMALY
R                END OF TRENCH
A001
AUMM             LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                             ppb   ppm   ppm   ppm   ppm    %     %     %     %
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A001   00    20      14537   2.5          59     4    36  0.45  0.33  0.07  1.72
A001   20    40      14538   2.5          11     1    43  0.55  0.40  0.11  1.62
A001   40    60      14539   2.5           5     1    32  0.36  0.31  0.07  1.30
A001   60    80      14540   2.5          20     2    49  0.66  0.38  0.07  2.36
A001   80   100      14541   2.5           4     2    33  0.55  0.27  0.07  1.40
A001  100   120      14542  15.0           6     2    18  0.35  0.25  0.06  0.94
A001  120   140      14543   2.5           5     2    26  0.41  0.30  0.07  1.07
A001  140   160      14544  10.0           5     3    26  0.40  0.29  0.08  0.97
A001  160   180      14545   5.0           3     2    32  0.41  0.28  0.07  1.04
A001  180   200      14546   2.5           4     2    32  0.44  0.34  0.07  1.07
A002
AUMM             LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                             ppb   ppm   ppm   ppm   ppm    %     %     %     %
ALAB             PDI RESEARCH
ATYP             STRUCTURE SAMPLES
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AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST									
A002	63	65	14547	2.5		73	10	51	0.88	0.35	0.05	3.08
R			0.75M SHEAR STRIKING 130 DEG.									
A002	106	108	14548	2.5		7	5	6	0.09	0.12	0.02	0.58
R			5 CM QZ VEIN SAMPLED ACCROSS 1M, STRIKING 128 DEG.,DIP 58 DEG. N									
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A004	00	20	14537	1	0.05	9	120	0.05	57	4	10	2.5
A004	20	40	14538	4	0.05	8	91	0.05	52	3	6	2.5
A004	40	60	14539	4	0.05	7	81	0.05	53	3	5	2.5
A004	60	80	14540	1	0.05	9	87	0.05	50	3	11	2.5
A004	80	100	14541	2	0.05	5	76	0.05	59	3	6	2.5
A004	100	120	14542	1	0.05	3	84	0.10	57	2	4	2.5
A004	120	140	14543	1	0.05	4	103	0.05	56	3	5	2.5
A004	140	160	14544	8	0.05	4	101	0.05	51	3	5	2.5
A004	160	180	14545	6	0.05	4	79	0.05	54	3	4	2.5
A004	180	200	14546	5	0.05	5	68	0.05	53	2	5	2.5
R			STRUCTURE SAMPLES									
A004	63	65	14547	4	0.05	12	65	0.05	52	2	10	2.5
R			0.75M SHEAR STRIKING 130 DEG.									
A004	106	108	14548	2	0.05	3	214	0.05	35	5	7	2.5
R			5 CM QZ VEIN SAMPLED ACCROSS 1M, STRIKING 128 DEG.,DIP 58 DEG. N									
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A005	00	20	14537	4	5	1	2.5	2.5	1.5	432	95	
A005	20	40	14538	6	5	1	2.5	2.5	1.5	475	113	
A005	40	60	14539	5	5	1	2.5	2.5	1.5	344	71	
A005	60	80	14540	7	5	1	2.5	2.5	1.5	528	101	
A005	80	100	14541	6	5	1	2.5	2.5	1.5	405	95	
A005	100	120	14542	5	5	1	2.5	2.5	1.5	400	51	
A005	120	140	14543	4	5	1	2.5	2.5	1.5	405	58	
A005	140	160	14544	4	5	1	2.5	2.5	1.5	365	74	
A005	160	180	14545	4	5	1	2.5	2.5	1.5	379	90	
A005	180	200	14546	5	5	1	2.5	2.5	1.5	388	95	
R			STRUCTURE SAMPLES									
A005	63	65	14547	8	5	1	2.5	2.5	1.5	597	124	
R			0.75M SHEAR STRIKING 130 DEG.									
A005	106	108	14548	2	5	1	2.5	5.0	1.5	182	13	
R			5 CM QZ VEIN SAMPLED ACCROSS 1M, STRIKING 128 DEG.,DIP 58 DEG. N									
A006												
AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR			
R				%	%	%	%	ppm	ppm			
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A006	00	20	14537	0.96	0.57	0.06	0.06	22.0	1.0			

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A006   20    40       14538  0.90  0.49  0.07  0.09  37.0   2.0
A006   40    60       14539  0.64  0.34  0.06  0.05  25.0   1.0
A006   60    80       14540  0.92  0.58  0.14  0.07  47.0   1.0
A006   80   100       14541  0.70  0.34  0.10  0.05  25.0   1.0
A006  100   120       14542  0.44  0.15  0.05  0.02  12.0   0.5
A006  120   140       14543  0.54  0.23  0.05  0.04  16.0   1.0
A006  140   160       14544  0.58  0.24  0.04  0.04  17.0   1.0
A006  160   180       14545  0.62  0.31  0.05  0.05  19.0   1.0
A006  180   200       14546  0.69  0.33  0.06  0.06  18.0   1.0
R               STRUCTURE SAMPLES
A006   63    65       14547  1.06  0.55  0.21  0.07  45.0   2.0
R               0.75M SHEAR STRIKING 130 DEG.
A006  106   108       14548  0.25  0.06  0.01  0.01   5.0   0.5
R               5 CM QZ VEIN SAMPLED ACCROSS 1M, STRIKING 128 DEG.,DIP 58 DEG. N
R                  TRENCH OVERBURDEN PROFILE SAMPLE DATA
R       SAMPLE/LOCATION  DEPTH   AG    AS    AU    CU    PB    ZN
R                        cm      ppm   ppm   ppb   ppm   ppm   ppm
R
R       TR90-5   0.0MA   30      0.1    2    20    30     5    45
R       TR90-5   0.0MB           0.1    5   2.5    42     4    41
R       TR90-5   0.0MC           0.1    2   2.5    42     9    37
R       TR90-5  10.0MA   30      0.1    6   2.5    28     8    41
R       TR90-5  10.0MB           0.1    3   2.5    47     4    36
R       TR90-5  10.0MC           0.1    8   2.5    31     4    33
R       TR90-5  20.0MA   30      0.1    1   310    27     7    51
R       TR90-5  20.0MB           0.1    2   2.5    29     7    43
R       TR90-5  20.0MC           0.1    3    80    25     7    49
/END
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Trench 90-8

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IDEN6B0201 V239 TR90-08     09AUG90 MD   LEPKAUG90225   DALGRD  0.0
IPRJ      PDI/GERLE GOLD                         MCCONNELL CK PROPERTY
S000   00    145 MT   25.0 109.5  16.0               11112.0     9590.0     1360.0
S001  145    240      25.0 119.5 -10.0
S002  240    250      25.0 119.5   0.0
/SCL         MT.2
LSCL                        LCTM
/NAM                                                        CLSESICAEPCCPYCPGL
LNAM                                                        LIHEPLMC    SLMGGD
R                THIS TRENCH DUG TO TEST CU GEOCHEM ANOMALY & COINCIDENT VLF
R                CONDUCTOR LOCATED AT 9610E; APPROX. 2.0M OVBD; 1.2M OF OXYDIZED
R                ROCK FRAGMENTS
/      00     95        AMGNHBPF   BNCG        P BN020   Q1Q1     P2  F)
L                           NWQZ   FF                    F.
R                PRIMARY BANDED,MOTTLED APPEARANCE,PATCHY GNEISS W.CLOTS OF MORE
R                MAFICS & EPIDOTE IN PLACES
R                ENTIRE UNIT IS FRACTURED/BROKEN, LIMONITIC GOUGE AND QZ ALONG
R                FRACTURE PLANES,PYRITE LOCALLY TO 2-3% AS DISS. AND ALONG FRACT.
R                (10CM INTERVALS) PLANES; MAJOR JOINT SET @ 40 & 340 DEG.
R                ALT. MINERALS OF CHLOR.,EPIDOTE,SERICITE PERVASIVE IN PLACES
/      95    120        QZDRPFHB   MGEQ        P D/320   Q.Q.     D1  D)
L                           AGQZ
R                DYKE UNIT,MASSIVE & SILICIFIED,PALE GREY-GREEN APPEARANCE,EQUI-
R                GRANULAR, 5-10% QZ IN PLACES,PERVASIVE ALT. OF FELDSPARS,TRACE
R                TO 1% DISS. PYRITE
R                CONTACT ZONE BROKEN & LIMONITIC- DYKE IS A MORE RESISTANT THAN
R                HOST GNEISS; EASTERN CONTACT @ 320 DEG; <0.5M OVBD OVER DYKE.
/     120    190        AMGNHBPF   BNCG        P BN020   Q1Q1     P2  F)
L                           NWQZ                         F.
/     190    250        AMGNHBPF   BNCG        P BN020   Q1Q1     P2
L                           NWQZ                         F.
R                THIS UNIT SIMILAR TO PREVIOUS,HOWEVER INCREASED LIMONITIC ALT.
R                AND SHEARING (N30E,VERTICAL); SEGREGATIONS OF MASSIVE CRYSTALLI-
R                NE HORNB. W. INCREASED MAGNETITE CONTENT PLUS INCREASED PY TO
R                2-3% OVER NARROW (10CM) INTERVALS.
R                END OF TRENCH
A001
AUMM             LNG SAMPLE   AU1    AU     CU     PB     ZN     CA     K%    NA%    FE%
R                             ppb    ppm    ppm    ppm    ppm    %      %     %      %
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A001   00     20      14560  10.0            38      1     45   0.87   0.19   0.04   4.23
A001   20     40      14561   5.0            16      1     42   0.82   0.18   0.04   4.66
A001   40     60      14562  10.0            19      1     39   0.98   0.13   0.04   4.64
A001   60     80      14563  10.0            36      1     25   0.76   0.15   0.08   2.97
A001   80     95      14564  10.0            39      1     29   0.88   0.13   0.06   3.95
A001   95    120      14565   5.0            46      1     30   0.95   0.09   0.08   3.57
R                DYKE UNIT
A001  120    140      14566  15.0            37      1     40   0.87   0.08   0.04   4.04
A001  140    160      14567  10.0            77      1     33   0.96   0.08   0.07   4.19
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A001	160	180	14568	5.0		74	1	35	0.78	0.10	0.06	3.12
A001	180	200	14569	10.0		69	1	48	0.76	0.05	0.04	5.12
A001	200	219	14570	10.0		44	1	45	0.78	0.15	0.04	6.00
R			SHEARING 025 DEG.,FRACTURES 070 DEG.									
A001	219	226	14571	15.0		90	1	65	0.78	0.27	0.04	6.73
R			SHEARED,FRACTURES @ 070 DEG.									
A001	226	237	14572	2.5		47	1	64	0.64	0.28	0.02	6.14
R			INCREASED PYRITE TO 2-3%									
A001	237	250	14573	5.0		64	1	53	0.76	0.42	0.05	5.06
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A004	00	20	14560	4	0.05	34	90	0.10	18	4	25	2.5
A004	20	40	14561	6	0.05	32	53	0.05	17	3	24	2.5
A004	40	60	14562	1	0.05	31	101	0.05	13	3	26	2.5
A004	60	80	14563	1	0.05	22	51	0.05	19	3	14	2.5
A004	80	95	14564	1	0.05	28	52	0.05	12	3	14	2.5
A004	95	120	14565	2	0.05	22	56	0.05	22	2	10	2.5
R			DYKE UNIT									
A004	120	140	14566	1	0.05	29	53	0.05	5	2	19	2.5
A004	140	160	14567	1	0.05	31	40	0.10	9	3	17	2.5
A004	160	180	14568	1	0.05	26	28	0.05	10	5	16	2.5
A004	180	200	14569	1	0.05	34	77	0.20	4	5	23	2.5
A004	200	219	14570	1	0.05	41	52	0.05	11	3	27	2.5
R			SHEARING 025 DEG.,FRACTURES 070 DEG.									
A004	219	226	14571	1	0.05	41	44	0.10	25	3	36	2.5
R			SHEARED,FRACTURES @ 070 DEG.									
A004	226	237	14572	1	0.05	34	30	0.10	29	3	15	2.5
R			INCREASED PYRITE TO 2-3%									
A004	237	250	14573	2	0.05	32	63	0.05	49	3	23	2.5
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A005	00	20	14560	1	5	5	6.0	2.5	1.5	584	34	
A005	20	40	14561	1	5	5	7.0	2.5	1.5	549	30	
A005	40	60	14562	1	5	10	7.0	2.5	1.5	612	37	
A005	60	80	14563	1	5	4	6.0	2.5	1.5	350	37	
A005	80	95	14564	1	5	4	2.5	2.5	1.5	397	41	
A005	95	120	14565	1	5	2	5.0	2.5	1.5	382	76	
R			DYKE UNIT									
A005	120	140	14566	1	5	4	7.0	2.5	1.5	501	43	
A005	140	160	14567	1	5	4	5.0	2.5	1.5	450	40	
A005	160	180	14568	1	5	3	6.0	2.5	1.5	443	35	
A005	180	200	14569	1	5	5	5.0	2.5	1.5	614	28	
A005	200	219	14570	1	5	8	5.0	2.5	1.5	692	30	
R			SHEARING 025 DEG.,FRACTURES 070 DEG.									
A005	219	226	14571	1	5	8	9.0	2.5	1.5	894	42	
R			SHEARED,FRACTURES @ 070 DEG.									

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A005  226   237      14572     1     5     7   8.0   2.5   1.5   932    48
R                INCREASED PYRITE TO 2-3%
A005  237   250      14573     1     5     6   6.0   2.5   1.5   800    47
A006
AUMM                SAMPLE   AL%   MG%    P%    TI     V    ZR
R                             %     %     %     %    ppm   ppm
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             ICP
A006   00    20      14560  2.75  2.71  0.01  0.13 146.0   0.5
A006   20    40      14561  2.53  2.50  0.00  0.13 184.0   0.5
A006   40    60      14562  2.37  2.37  0.01  0.15 172.0   0.5
A006   60    80      14563  1.71  1.41  0.01  0.10 102.0   1.0
A006   80    95      14564  1.78  1.59  0.01  0.14 140.0   1.0
A006   95   120      14565  1.71  1.34  0.14  0.09  74.0   0.5
R                DYKE UNIT
A006  120   140      14566  2.33  2.23  0.01  0.14 139.0   1.0
A006  140   160      14567  2.30  2.06  0.04  0.12 141.0   0.5
A006  160   180      14568  2.42  2.26  0.02  0.10  90.0   0.5
A006  180   200      14569  2.88  3.00  0.02  0.14 145.0   0.5
A006  200   219      14570  2.61  2.72  0.01  0.16 204.0   0.5
R                SHEARING 025 DEG.,FRACTURES 070 DEG.
A006  219   226      14571  3.44  3.46  0.02  0.17 200.0   1.0
R                SHEARED,FRACTURES @ 070 DEG.
A006  226   237      14572  3.27  3.23  0.03  0.14 186.0   0.5
R                INCREASED PYRITE TO 2-3%
A006  237   250      14573  2.71  2.61  0.05  0.13 138.0   1.0
R                   TRENCH OVERBURDEN PROFILE SAMPLE DATA
R        SAMPLE/LOCATION  DEPTH    AG    AS    AU    CU    PB    ZN
R                           cm    ppm   ppm   ppb   ppm   ppm   ppm
R
R        TR90-8   0.0MA           0.1     2   2.5    36     5    50
R        TR90-8   0.0MB           0.1     4   2.5   132     6   100
R        TR90-8   0.0MC           0.1     5    35   216     4    74
R        TR90-8  10.0MA           0.1     2   2.5    60     6    46
R        TR90-8  10.0MB           0.1    10    30   334     6    50
R        TR90-8  10.0MC           0.1     4    70   300     4    47
R        TR90-8  20.0MA           0.1     1    65    38     4    54
R        TR90-8  20.0MB           0.1     7    15    63     5    42
R        TR90-8  20.0MC           0.1     1    15   131     5    74
/END
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Trench 90-9

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IDEN6B0201 V239 TR90-09      10AUG90 MD    LEPKAUG90225    DALGRD  0.0
IPRJ       PDI/GERLE GOLD                         MCCONNELL CK PROPERTY
S000    00    200 MT    20.0  84.5   12.0                11104.0     9695.0      1380.0
/SCL          MT.2
LSCL                          LCTM
/NAM                                                             CLSESICAEPCCPYCPGL
LNAM                                                             LIHEPLMC     SLMGGD
R                THIS TRENCH DUG TO TEST A AU GEOCHEM ANOMALY
R                OVBD DEPTH VARIES FROM 2.0 TO 3.5 M;TRENCH FLOOR SLOPES 12 DEG.
R                UPWARDS TO EAST; CONSISTS OF BOULDERY TILL
/       00    200          AMGNAMPFBI+BNF5          P GN160 80P1P=<+F)F=  D)
L                             4AQZ    FGVN           SH120 65F+  C=
R                DARK-GREY,F.G.TO M.G.,BANDED,WEAKLY ALT'D AMPHIBOLITE GNEISS
R                ROCK CONSISTS OF IRREG.DISTRIBUTED BANDS OF F.G. QZ-DIORITE
R                (UP TO 10CM WIDE) & BANDS OF MAFIC ,WEAKLY FOLIATED,F.G. AMPHI-
R                BOLITE
R                ALT. IS WEAK,CONSISTING OF CHLOR-SERIC-EPID OCCURING AS F.F.&
R                VEINLETS,OCCASIONALY MINERALIZED
R                MOD. GNEISSOSITY STRIKING ~160 DEG.,DIPPING 065 DEG.
R                STRONGLY EPIDOTIZED & FINELY BANDED FRAGS OF F.G. INTRUSIVE,COM-
R                MONLY MINERALIZED. DIORITE BANDS COMMONLY CARRY 1CM HORNB.POR-
R                PHYROBLASTS.
R                PY OCCURS AS FINE DISS. & LESSER F.F. ASSOC. W. QZ-DIORITE BANDS
R                & EPIDOTE ALT.
R                8.0-10.0 : SHEARED,FRACT'D,STRONGLY ALT'D SHEAR ZONE STRIKING
R                            120 & DIPPING 65 DEG.
R                12.8-14.4: 4CM FAULT GOUGE STRIKING 085 DEG. (SAMPLE 14559)
R                14.5      : PROMINENT HUMP IN BEDROCK
R                TRENCH DISCONTINUED DUE TO EXTENT OF SOIL ANOMALY.
R                END OF TRENCH
A001
AUMM             LNG SAMPLE   AU1    AU     CU     PB     ZN    CA     K%    NA%    FE%
R                             ppb    ppm    ppm    ppm    ppm   %      %     %      %
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A001    00    20       14549  10.0           30      1     43  0.70  0.17  0.05  3.24
A001    20    40       14550   2.5           45      2     46  0.78  0.17  0.05  3.16
A001    40    60       14551   2.5           31      3     66  0.67  0.24  0.02  4.28
A001    60    80       14552   2.5           34      4     62  0.72  0.27  0.04  4.04
A001    80    96       14553   2.5           31      3     82  0.76  0.36  0.04  5.59
A001    96   116       14554   2.5           30      1     66  1.61  0.54  0.05  4.27
A001   116   136       14555   2.5           82      1     79  1.46  0.58  0.04  5.19
A001   136   156       14556   5.0           58      1     53  1.15  0.49  0.06  3.43
A001   156   176       14557   2.5           35      1     46  0.97  0.35  0.07  2.84
A001   176   196       14558   5.0           27      1     53  0.97  0.36  0.06  2.99
A002
AUMM             LNG SAMPLE   AU1    AU     CU     PB     ZN    CA     K%    NA%    FE%
R                             ppb    ppm    ppm    ppm    ppm   %      %     %      %
ALAB             PDI RESEARCH
ATYP             STRUCTURE SAMPLES
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AMTH            WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A002  123   140      14559  10.0           98     1    72  0.84  0.49  0.02  4.83
R               4CM WIDE,INTENSELY ALT'D & RUSTY FAULT GOUGE,SAMPLED OVER 1.5M
R               @ 85 DEG STRIKE
A004
AUMM                SAMPLE    BI    CD    CO    CR    AG    BA    MO    NI     W
R                            ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            ICP
A004   00    20      14549     1  0.05    24   107  0.05    22     2    37   2.5
A004   20    40      14550     3  0.05    25    75  0.05    18     2    26   2.5
A004   40    60      14551     2  0.05    28    69  0.10    20     2    28   2.5
A004   60    80      14552     5  0.05    29    93  0.05    24     2    35   2.5
A004   80    96      14553     1  0.05    33   166  0.05    43     5    53   2.5
A004   96   116      14554     1  0.05    28   109  0.10    51     3    31   2.5
A004  116   136      14555     2  0.05    33   245  0.20    62     4    59   2.5
A004  136   156      14556     1  0.05    24   131  0.20    53     2    48   2.5
A004  156   176      14557     2  0.05    25   142  0.05    40     2    51   2.5
A004  176   196      14558     1  0.05    24   111  0.10    37     3    34   2.5
R               STRUCTURE SAMPLES
A004  123   140      14559     1  0.05    29   136  0.10    59     3    49   2.5
R               4CM WIDE,INTENSELY ALT'D & RUSTY FAULT GOUGE,SAMPLED OVER 1.5M
R               @ 85 DEG STRIKE
A005
AUMM                SAMPLE    LA    TH    SC    AS    SB    HG    MN    SR
R                            ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            ICP
A005   00    20      14549     1     5     4   2.5   2.5   1.5   586    29
A005   20    40      14550     2     5     4   2.5   2.5   1.5   617    32
A005   40    60      14551     1     5     5   2.5   2.5   1.5   811    30
A005   60    80      14552     1     5     6   6.0   5.0   1.5   761    32
A005   80    96      14553     1     5     9   7.0   6.0   1.5  1109    28
A005   96   116      14554     2     5     7   2.5   2.5   1.5   794    40
A005  116   136      14555     1     5    11   8.0   8.0   1.5  1047    33
A005  136   156      14556     1     5     8   2.5   6.0   1.5   686    36
A005  156   176      14557     3     5     5   2.5   6.0   1.5   587    47
A005  176   196      14558     1     5     4   2.5   2.5   1.5   673    56
R               STRUCTURE SAMPLES
A005  123   140      14559     2     5    10   6.0   2.5   1.5  1033    23
R               4CM WIDE,INTENSELY ALT'D & RUSTY FAULT GOUGE,SAMPLED OVER 1.5M
R               @ 85 DEG STRIKE
A006
AUMM                SAMPLE   AL%   MG%    P%    TI     V    ZR
R                              %     %     %     %   ppm   ppm
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            ICP
A006   00    20      14549  2.12  2.08  0.05  0.10  75.0   1.0
A006   20    40      14550  2.19  2.17  0.07  0.10  76.0   1.0
A006   40    60      14551  3.01  3.02  0.08  0.10  94.0   1.0
A006   60    80      14552  2.89  3.07  0.07  0.11 100.0   1.0
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A006   80    96        14553  4.06  4.04  0.08  0.11 122.0    0.5
A006   96   116        14554  3.01  2.98  0.07  0.13 103.0    0.5
A006  116   136        14555  3.64  3.78  0.05  0.12 128.0    0.5
A006  136   156        14556  2.38  2.48  0.06  0.11  88.0    1.0
A006  156   176        14557  2.03  2.11  0.06  0.12  69.0    2.0
A006  176   196        14558  2.37  2.41  0.07  0.12  71.0    1.0
R                STRUCTURE SAMPLES
A006  123   140        14559  3.24  3.30  0.06  0.10 112.0    0.5
R                4CM WIDE,INTENSELY ALT'D & RUSTY FAULT GOUGE,SAMPLED OVER 1.5M
R                @ 85 DEG STRIKE
R                   TRENCH OVERBURDEN PROFILE SAMPLE DATA
R       SAMPLE/LOCATION  DEPTH    AG     AS     AU     CU     PB     ZN
R                         cm     ppm    ppm    ppb    ppm    ppm    ppm
R
R       TR90-9    0.0MA          0.1     7     2.5    14      4     41
R       TR90-9    0.0MB          0.1     4     2.5    44      5     32
R       TR90-9    0.0MC          0.1     1     2.5    55      6     41
R       TR90-9   10.0MA          0.1     1     2.5    13      6     29
R       TR90-9   10.0MB          0.1     3     2.5    26      5     22
R       TR90-9   10.0MC          0.1     8     2.5    53      5     43
R       TR90-9   20.0MA          0.1     4     2.5    16      4     30
R       TR90-9   20.0MB          0.1     3     2.5    33      6     27
R       TR90-9   20.0MC          0.2     1     2.5    63      7     42
/END
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Trench 90-10

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IDEN6B0201 V239 TR90-10     11AUG90 MD   LEPKAUG90225   DALGRD  0.0
IPRJ      PDI/GERLE GOLD                          MCCONNELL CK PROPERTY
S000   00    80 MT    11.0  93.5 -12.0                   11252.0     9767.0     1400.0
S001   80   110       11.0  93.5   3.0
/SCL        MT.2
LSCL                       LCTM
/NAM                                                          CLSESICAEPCCPYCPGL
LNAM                                                          LIHEPLMC     SLMGGD
R               THIS TRENCH WAS EXCAVATED TO TEST CHLORITIC SCHIST ZONE HOSTING
R               QZ VEIN + VLF CONDUCTOR.
R               OVBD DEPTH VARIES FROM 0.5 - 1.5 M.; WEATHERED SURFACE AS DEEP
R               AS 1.2M.
R               OVBD CONSISTS OF WELL DEVELOPED B- HORIZON OVERLYING BOULDERY
R               LODGEMENT TILL.
/      00   110        AMGNHBPFBI+BNSC        P SH154 85P+P+>+F)L=  D)
L                          GAQZ   FGVN    135    BN152    F+  C+
R               MDEIUM GREENISH GRAY, WEAKLY ALTERED, BANDED AMPHIBOLITE GNEISS
R               CONSISTING OF ALTERNATING BANDS OF MED-COARSE GRAINED MOTTLED
R               AND FINELY LAMINATED QZDR (COMMONLY DISPLAYING HORNB.
R               PORPHYROBLASTS UP TO 1CM.) AND BANDS OF FINE GRAINED, DARK
R               GREEN SHISTOSE TEXTURED AMPHIBOLITE.
R               ALTERATION IS WEAK AND OCCURS AS MINOR CHLORITIC ALTERATION OF
R               MAFICS, MINOR SERICITIC ALTERATION OF PLAG. WITH MORE EPIDOTE
R               ALTERATION IN THE DIORITE BANDS (PATCHY AND LENSES).
R               WEAK SILICIFICATION OCCURS AS VEINLETS AND LENSES THROUGHOUT.
R               MORE SELECT PERV. WITH INCREASED CHLORITIZATION. HEMATITIC
R               STAINING ALONG FRACTURES.
R               SHEARING IS WEAK AND OCCURS AS NARROW ZONES PARALLEL TO BANDING
R               AND SCHISTOSITY; COMMONLY HOSTING QZ VEINS.
R               PY OCCURS AS DISSEMINATED EUHEDRAL GRAINS 0.5 - 1.5MM (~1%)
R               ASSOCIATION WITH SILICIFIED ZONES AND EPIDOTIZED LENSES.
R               FRACTURING IS MODERATE AND DISPLAYS A FRACTURE SET AT 165 DEG
R               AND 85 DEG.
R               1.5 - 1.7 : 0.2M WIDE SHEAR ZONE; SCHISTED, ALTERED TO
R                           CHLOR. SCHIST, OXYDIZED AND HOSTING A 2CM QZ VEIN.;
R                           STRIKING 154 DEG, DIP VERTICAL.
R               1.7 - 6.0 : INCREASED CHLORITE AND SILICIFICATION (PROMINENT
R                           HUMP IN BEDROCK).
R               TRENCH WAS DISCONTINUED DUE TO EXTENT OF SOIL ANOMALY.
R               END OF TRENCH
R               CONTINUOUS 2M SAMPLES.
A001
AUMM            LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                            ppb   ppm   ppm   ppm   ppm     %     %     %     %
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A001   00    20       14574  30.0          65     1    64  1.22  0.38  0.04  4.18
A001   20    40       14575  45.0          66     1    81  1.39  0.24  0.02  4.83
A001   40    60       14576  40.0          25     1    77  1.80  0.17  0.01  5.04
A001   60    80       14577  20.0          39     1    67  1.27  0.46  0.02  3.70
```

A001	80	100	14578	35.0		36	1	54	1.54	0.31	0.02	3.01
A001	100	110	14579	40.0		26	1	69	1.33	0.42	0.02	3.45
A002												
AUMM			LNG SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%
R				ppb	ppm	ppm	ppm	ppm	%	%	%	%
ALAB			PDI RESEARCH									
ATYP			STRUCTURE SAMPLES									
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST									
A002	16	18	14580	40.0		57	1	64	0.46	0.32	0.01	4.90
R			0.2M WIDE SHEAR ZONE; INTENSELY SCHISTY AND ALTERED; RUSTY WITH									
R			2CM WIDE QZ VEIN IN THE MIDDLE, TRACED FOR OVER 0.7M STRIKING									
R			154 DEG AND DIPPING SUB VERTICALLY.									
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A004	00	20	14574	1	0.05	29	60	0.05	56	2	22	2.5
A004	20	40	14575	1	0.05	31	61	0.05	40	4	21	2.5
A004	40	60	14576	1	0.05	25	52	0.05	37	2	19	2.5
A004	60	80	14577	1	0.05	25	67	0.05	67	3	17	2.5
A004	80	100	14578	1	0.05	24	54	0.10	48	2	15	2.5
A004	100	110	14579	1	0.05	25	54	0.05	59	3	17	2.5
R			STRUCTURE SAMPLES									
A004	16	18	14580	1	0.20	29	148	0.05	54	4	43	7.0
R			0.2M WIDE SHEAR ZONE; INTENSELY SCHISTY AND ALTERED; RUSTY WITH									
R			2CM WIDE QZ VEIN IN THE MIDDLE, TRACED FOR OVER 0.7M STRIKING									
R			154 DEG AND DIPPING SUB VERTICALLY.									
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A005	00	20	14574	2	5	5	5.0	2.5	1.5	728	70	
A005	20	40	14575	3	5	6	5.0	2.5	1.5	912	76	
A005	40	60	14576	2	5	6	2.5	2.5	1.5	956	61	
A005	60	80	14577	2	5	4	2.5	2.5	1.5	736	75	
A005	80	100	14578	3	5	5	5.0	5.0	1.5	667	74	
A005	100	110	14579	2	5	3	2.5	2.5	1.5	750	64	
R			STRUCTURE SAMPLES									
A005	16	18	14580	3	5	7	6.0	6.0	1.5	968	35	
R			0.2M WIDE SHEAR ZONE; INTENSELY SCHISTY AND ALTERED; RUSTY WITH									
R			2CM WIDE QZ VEIN IN THE MIDDLE, TRACED FOR OVER 0.7M STRIKING									
R			154 DEG AND DIPPING SUB VERTICALLY.									
A006												
AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR			
R				%	%	%	%	ppm	ppm			
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A006	00	20	14574	2.68	2.15	0.10	0.16	85.0	1.0			
A006	20	40	14575	3.17	2.61	0.10	0.15	95.0	1.0			

```
A006   40    60       14576  2.87  2.47  0.10  0.11  88.0   0.5
A006   60    80       14577  2.56  2.03  0.09  0.17  79.0   1.0
A006   80   100       14578  2.14  1.64  0.09  0.15  69.0   1.0
A006  100   110       14579  2.71  2.37  0.09  0.15  59.0   0.5
R                STRUCTURE SAMPLES
A006   16    18       14580  2.97  2.50  0.08  0.10  78.0   1.0
R                0.2M WIDE SHEAR ZONE; INTENSELY SCHISTY AND ALTERED; RUSTY WITH
R                2CM WIDE QZ VEIN IN THE MIDDLE, TRACED FOR OVER 0.7M STRIKING
R                154 DEG AND DIPPING SUB VERTICALLY.
R                   TRENCH OVERBURDEN PROFILE SAMPLE DATA
R        SAMPLE/LOCATION  DEPTH   AG    AS    AU    CU    PB    ZN
R                          cm    ppm   ppm   ppb   ppm   ppm   ppm
R
R        TR90-10   0.0MA   80    0.2     1   2.5    32     4    31
R        TR90-10   0.0MB   70    0.1     1   2.5    31     5    25
R        TR90-10  10.0MA   30    0.2     1   2.5    22     7    37
R        TR90-10  10.0MB   40    0.3     1   2.5    37     5    31
R        TR90-10  10.0MC  100    0.1     1   175    38     4    64
R        TR90-10  18.0MA   30    0.1     1   2.5    28     4    38
/END
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Trench 90-11

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IDEN6B0201 V239 TR90-11      11AUG90 MD    LEPKAUG90225    DALGRD  0.0
IPRJ       PDI/GERLE GOLD                        MCCONNELL CK PROPERTY
S000    00    180 MT    18.0 123.5  15.0               11252.0     9740.0     1390.0
/SCL         MT.2
LSCL                          LCTM
/NAM                                                       CLSESICAEPCCPYCPGL
LNAM                                                       LIHEPLMC     SLMGGD
R                THIS TRENCH WAS DUG TO TEST A CHLORITIC SCHIST ZONE HOSTING
R                QZ VEINS.
R                OVBD DEPTH VARIES FROM 0.2 - 2.0 M. CONSISTING OF A WELL
R                DEVELOPED B-HORIZON OVERLYING A BOULDERY LODGEMENT TILL;
R                WEATHERING LEVEL OVER 1.0M INTO BEDROCK.
/       00    180          AMGNHBPFBI FGBN          P BN145    P=P+>+F)L=  D+
L                             GAQZ   LM       255              F+
R                GREENISH GREY, WEAKLY ALTERED BANDED AMPHIBOLITE GNEISS
R                CONSISTING OF ALTERING BANDS OF DARK GREEN, FINE GRAINED
R                AMPHIBOLITE AND BANDS OF MEDIUM GRAINED QZ DIORITE (LESSER).
R                ALTERATION CONSISTS OF MINOR CHLORITIC AND SERICITIC AND
R                CARBONATE ALTERATION. EPIDOTE OCCURS AS LENSES, VEINLETS AND
R                PATCHES (~5%) COMMONLY WITHIN THE DIORITE BANDS; SILICIFICATION
R                IS MINOR AND OCCURS ALSO AS LENSES AND VEINLETS.
R                PY OCCURS THROUGHOUT AS FINE TO MEDIUM EUHEDRAL DISSEMINATED
R                X-TRALS AND LESSER AS F.F. AND CLOTS ASSOCIATED WITH
R                SILICIFICATION, EPIDOTIZATION.
R                DIORITIC BANDS COMMONLY HOST HORNBLENDE PORPHYROBLASTS UP TO
R                1 CM. WIDE. TEXTURE OF DIORITE OFTEN MOTTLED.
R                FRACTURING IS WEAK TO MODERATE, AND JOINT SET OCCURS AT
R                35 DEG AND 125 DEG.
R                TRENCH WAS DISCONTINUED DUE TO EXTENT OF SOIL ANOMALY.
R                END OF TRENCH
A001
AUMM             LNG SAMPLE   AU1    AU     CU     PB     ZN     CA     K%    NA%    FE%
R                             ppb    ppm    ppm    ppm    ppm    %      %      %      %
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A001    00     20      14581  30.0           53      1     84   1.05   0.35   0.04   4.79
A001    20     40      14582  45.0           51      1     58   1.37   0.28   0.06   4.08
A001    40     60      14583  45.0           45      1     46   1.38   0.17   0.06   3.19
A001    60     80      14584 250.0          175      1     56   1.35   0.16   0.05   3.50
A001    80    100      14585  15.0           59      1     85   1.67   0.17   0.02   5.75
A001   100    120      14586  65.0           53      1     57   2.40   0.10   0.02   3.56
A001   120    140      14587  40.0           48      1     59   1.44   0.17   0.04   3.61
A001   140    160      14588  50.0           42      1     67   0.96   0.17   0.01   4.18
A001   160    180      14589  25.0           55      1     73   1.51   0.49   0.04   4.37
A004
AUMM                 SAMPLE   BI     CD     CO     CR     AG     BA     MO     NI      W
R                             ppm    ppm    ppm    ppm    ppm    ppm    ppm    ppm    ppm
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             ICP
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A004   00    20        14581     1  0.05     31     90  0.05     33     2    33   2.5
A004   20    40        14582     1  0.05     28    105  0.05     27     3    30   2.5
A004   40    60        14583     1  0.05     23     67  0.05     21     3    22   2.5
A004   60    80        14584     1  0.05     26     71  0.05     27     3    26   2.5
A004   80   100        14585     1  0.10     31     76  0.20     23     3    34   2.5
A004  100   120        14586     1  0.05     27     91  0.05     14     3    20   2.5
A004  120   140        14587     1  0.10     32     66  0.10     20     2    25   2.5
A004  140   160        14588     1  0.10     32     51  0.10     18     2    25   2.5
A004  160   180        14589     1  0.10     33     83  0.05     52     4    29   2.5
A005
AUMM                  SAMPLE    LA    TH     SC     AS    SB     HG    MN    SR
R                              ppm   ppm    ppm    ppm   ppm    ppm   ppm   ppm
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            ICP
A005   00    20        14581     4     5      9    2.5   6.0    1.5   895    55
A005   20    40        14582     3     5      7    2.5   5.0    1.5   718    57
A005   40    60        14583     2     5      6    2.5   5.0    1.5   598    54
A005   60    80        14584     2     5      6    2.5   2.5    1.5   635    47
A005   80   100        14585     4     5     11    2.5   2.5    1.5  1144    48
A005  100   120        14586     3     5      6    2.5   5.0    1.5   804    84
A005  120   140        14587     2     5      5    2.5   2.5    1.5   656    63
A005  140   160        14588     2     5      4    5.0   2.5    1.5   756    35
A005  160   180        14589     2     5      6    2.5   5.0    1.5   804    66
A006
AUMM                  SAMPLE   AL%   MG%     P%     TI     V     ZR
R                                %     %      %      %   ppm    ppm
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            ICP
A006   00    20        14581  3.21  3.02   0.08   0.17 130.0    1.0
A006   20    40        14582  2.69  2.42   0.10   0.18 107.0    2.0
A006   40    60        14583  2.19  1.89   0.08   0.14  79.0    2.0
A006   60    80        14584  2.26  2.07   0.09   0.15  86.0    1.0
A006   80   100        14585  3.57  2.98   0.09   0.04 112.0    1.0
A006  100   120        14586  2.80  2.04   0.09   0.17  78.0    2.0
A006  120   140        14587  3.00  2.58   0.08   0.16  77.0    1.0
A006  140   160        14588  3.14  2.99   0.09   0.12  86.0    1.0
A006  160   180        14589  3.53  3.05   0.08   0.19 105.0    1.0
R                    TRENCH OVERBURDEN PROFILE SAMPLE DATA
R       SAMPLE/LOCATION  DEPTH    AG     AS     AU     CU     PB     ZN
R                           cm   ppm    ppm    ppb    ppm    ppm    ppm
R
R       TR90-11   0.0MA    100   0.1      1    2.5     40      5     44
R       TR90-11   6.0MA     50   0.1      1    2.5     24      5     42
R       TR90-11   6.0MB     20   0.1      3    2.5     34      4     36
R       TR90-11   6.0MC    150   0.1      1    2.5     91      4     82
R       TR90-11  11.0MA     40   0.1      1    2.5     16      5     50
R       TR90-11  11.0MB    100   0.1      1    2.5     26      6     36
R       TR90-11  11.0MC     30   0.1      6    2.5     41      4     42
/END
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Trench 90-12

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IDEN6B0201 V239 TR90-12     12AUG90 MD   LEPKAUG90225   DALGRD  0.0
IPRJ      PDI/GERLE GOLD                        MCCONNELL CK PROPERTY
S000   00   140 MT   28.0  77.5  14.0              11260.0    9740.0    1380.0
S001  140   280      28.0  89.5   5.0
/SCL        MT.2
LSCL                      LCTM
/NAM                                                       CLSESICAEPCCPYCPGL
LNAM                                                       LIHEPLMC    SLMGGD
R               THIS TRENCH WAS EXCAVATED TO TEST FOR CHLORITIC SCHIST ZONE
R               HOSTING QZ VEIN.
R               OVBD DEPTH VARIES FROM 0.1 - 1.0 M. AND CONSISTS OF WELL
R               DEVELOPED B-HORIZON OVERLYING A BOULDERY TILL.
R               WEATHERED BEDROCK APPEARS APPROX. 0.75 M. DEEP.
/      00   280        AMGNHBPFBI FGBN        P S#148 48P+P+>+F+>=  D)
L                         GAQZ   SCSK          BN155   F+F+
R               GREENISH GREY, FINE TO MED. GRAINED BANDED AMPHIBOLITE GNEISS
R               HOSTING A CHLOR-SER. SCHIST IN QZ VEIN.
R               ROCK CONSISITS OF ALTERNATING IRREGULAR BANDS OF DARK GREEN
R               AMPHIBOLITE AND BANDS OF MEDIUM GRAINED MOTTLED QZ DIORITE.
R               ALTERATION IS WEAK BUT CONSISTS OF CHLORITIC ALTERATION OF
R               MAFICS (~2-3%) COMMONLY IN FRATURES; SERICITIC ALTERATION
R               OF PLAG. (~2-3%) THROUGHOUT.
R               EPIDOTE OCCURS AS VEINLETS, LENSES, PATCHES AND F.F. THROUGHOUT
R               (~5%); SILIC. OCCURS AS VEINLETS AND LENSES (~2-3%).
R               CARB. OCCURS AS FRACT. FILL. ASSOCIATED WITH THE AMPHIBOLITE.
R               PY OCCURS AS FINE TO MEDIUM DISSEMINATED EUHEDRAL X-TRALS WITH
R               LESSER FRACT. FILL. ASSOCIATED WITH SILIC. AND EPID. ALTERATION
R               AREAS.
R               0.0 - 1.5 : CARBONACEOUS AMPHIBOLITE GNEISS.
R               1.5 - 10.0 : PREDOMINANCE OF M.G. QZDR. MOTTLED APPEARANCE WITH
R                            WEAK EPIDOTE ALTERATION OF PLAG.
R               11.5 - 12.0 : 1.0 M. WIDE SER-CARB. CHLORITIC SCHIST ZONE
R                             HOSTING A 1-2 CM. QZ VEIN, STRIKING 148 DEG AND
R                             DIPPING 48 DEG NE. PY OCCURS AS DISSEMINATED IN
R                             BOTH SCHIST AND VEIN (~3-4%). SCHIST IS STRONGLY
R                             OXYDIZED ON SURFACE.
R               12.0 - 28.0 : FRESH MASS. AMPH. GN. WITH LESS OBVIOUS BANDING.
R               FRACTURING IS MODERATE AND JOINT SETS OCCUR AT 60 AND 175 DEG.
R               TRENCH WAS DISCONTINUED DUE TO EXTENT OF SOIL ANOMALY.
R               END OF TRENCH
A001
AUMM            LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                            ppb   ppm   ppm   ppm   ppm    %     %     %     %
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A001   00    20       14590  40.0           35     1    65  1.19  0.41  0.04  4.33
A001   20    40       14591  30.0           17     1    47  0.94  0.10  0.02  2.86
A001   40    60       14592  25.0           70     2    47  1.19  0.16  0.05  3.01
A001   60    80       14593  35.0           72     1    65  1.04  0.24  0.04  4.62
A001   80   100       14594  15.0          179     1    55  1.56  0.28  0.05  3.86
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A001  100   120        14595  45.0          108      1     69  1.56  0.32  0.01  5.18
A001  120   140        14596  40.0           39      1     72  1.44  0.24  0.02  4.20
A001  140   160        14597  20.0           15      1     43  1.73  0.27  0.04  3.05
A001  160   180        14598  30.0           24      1     65  1.48  0.36  0.06  3.87
A001  180   200        14599  25.0           28      1     82  0.99  0.44  0.04  5.43
A001  200   220        14600  35.0           44      1     73  1.26  0.19  0.05  4.14
A001  220   240        14601  40.0           30      1     83  1.60  0.30  0.06  4.63
A001  240   260        14602   2.5           82      1     64  1.32  0.32  0.05  4.13
A001  260   280        14603  15.0           87      1     73  1.40  0.33  0.05  4.22
A002
AUMM              LNG SAMPLE   AU1    AU    CU    PB     ZN    CA    K%   NA%   FE%
R                              ppb   ppm   ppm   ppm    ppm     %     %     %     %
ALAB              PDI RESEARCH
ATYP              STRUCTURE SAMPLES
AMTH              WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A002  115   116        14604  20.0           98      1     63  1.17  0.35  0.02  5.80
R                 1.0 M. CHIP ACCROSS AN OXYDIZED SER-CARB-CHL. SCHIST HOSTING
R                 A 1-2 CM. QZ VEIN.
A002  116   119        14605   2.5           29      1     45  1.74  0.23  0.06  4.35
R                 1.2 M. CHIP ALONG A 1-2  CM. QZ VEIN WITH DISSEMINATED PY IN
R                 VEINS AND ALONG CONTACTS HOSTED BY SER-CARB-CHL. SCHIST
R                 STRIKING 148 DEG. AND DIPPING 48 DEG NE.
A004
AUMM                   SAMPLE    BI    CD    CO    CR     AG    BA    MO    NI     W
R                              ppm   ppm   ppm   ppm    ppm   ppm   ppm   ppm   ppm
ALAB              PDI RESEARCH
ATYP              CHIP SAMPLES
AMTH              ICP
A004   00    20        14590     1  0.05    27    86   0.10    31     3    31   2.5
A004   20    40        14591     1  0.05    23    64   0.05    10     2    25   2.5
A004   40    60        14592     1  0.05    27    75   0.60    20     3    28   2.5
A004   60    80        14593     1  0.05    29    88   0.05    31     3    28   2.5
A004   80   100        14594     1  0.05    31    66   0.05    41     3    19   2.5
A004  100   120        14595     1  0.05    34    68   0.10    37     3    23   2.5
A004  120   140        14596     1  0.05    29    61   0.05    36     3    20   2.5
A004  140   160        14597     1  0.10    26    76   0.10    34     3    21   2.5
A004  160   180        14598     1  0.05    31    80   0.05    40     3    28   2.5
A004  180   200        14599     1  0.20    38    89   0.10    56     3    37   2.5
A004  200   220        14600     1  0.10    35    91   0.05    27     3    35   2.5
A004  220   240        14601     1  0.20    35   127   0.05    36     4    38   2.5
A004  240   260        14602     1  0.05    28    93   0.05    50     3    18   2.5
A004  260   280        14603     1  0.10    32   132   0.05    66     3    22   2.5
R                 STRUCTURE SAMPLES
A004  115   116        14604     1  0.20    33    79   0.05    53     4    23   2.5
R                 1.0 M. CHIP ACCROSS AN OXYDIZED SER-CARB-CHL. SCHIST HOSTING
R                 A 1-2 CM. QZ VEIN.
A004  116   119        14605     1  0.20    26   178   0.05    34     5    19   2.5
R                 1.2 M. CHIP ALONG A 1-2  CM. QZ VEIN WITH DISSEMINATED PY IN
R                 VEINS AND ALONG CONTACTS HOSTED BY SER-CARB-CHL. SCHIST
R                 STRIKING 148 DEG. AND DIPPING 48 DEG NE.
A005
AUMM                   SAMPLE    LA    TH    SC    AS     SB    HG    MN    SR
R                              ppm   ppm   ppm   ppm    ppm   ppm   ppm   ppm
ALAB              PDI RESEARCH
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ATYP              CHIP SAMPLES
AMTH              ICP
A005   00    20        14590     3      5      7   2.5    2.5    1.5    879     64
A005   20    40        14591     1      5      3   5.0    2.5    1.5    523     49
A005   40    60        14592     1      5      4   2.5    7.0    1.5    536     56
A005   60    80        14593     2      5      6   6.0    2.5    1.5    882     50
A005   80   100        14594     1      5      5   2.5    2.5    1.5    653     95
A005  100   120        14595     3      5      6   2.5    5.0    1.5    940     74
A005  120   140        14596     2      5      5   2.5    2.5    1.5    857     61
A005  140   160        14597     2      5      4   2.5    5.0    1.5    569    103
A005  160   180        14598     1      5      6   2.5    2.5    1.5    743     67
A005  180   200        14599     2      5      7   2.5    2.5    1.5    996     54
A005  200   220        14600     3      5      8   2.5    2.5    1.5    791     64
A005  220   240        14601     1      5      7   2.5    7.0    1.5    928     63
A005  240   260        14602     4      5      6   5.0    2.5    1.5    685     70
A005  260   280        14603     3      5      6   2.5    5.0    1.5    743     66
R                 STRUCTURE SAMPLES
A005  115   116        14604     5      5      6   2.5    2.5    1.5   1335     27
R                 1.0 M. CHIP ACCROSS AN OXYDIZED SER-CARB-CHL. SCHIST HOSTING
R                 A 1-2 CM. QZ VEIN.
A005  116   119        14605     4      5      5   2.5    6.0    1.5   1110     49
R                 1.2 M. CHIP ALONG A 1-2  CM. QZ VEIN WITH DISSEMINATED PY IN
R                 VEINS AND ALONG CONTACTS HOSTED BY SER-CARB-CHL. SCHIST
R                 STRIKING 148 DEG. AND DIPPING 48 DEG NE.
A006
AUMM                  SAMPLE   AL%    MG%     P%     TI      V     ZR
R                               %      %      %      %     ppm    ppm
ALAB              PDI RESEARCH
ATYP              CHIP SAMPLES
AMTH              ICP
A006   00    20        14590  3.32   3.04   0.09   0.16  106.0    1.0
A006   20    40        14591  2.11   2.01   0.08   0.14   60.0    1.0
A006   40    60        14592  2.21   2.00   0.09   0.16   69.0    1.0
A006   60    80        14593  3.26   2.83   0.09   0.18  112.0    1.0
A006   80   100        14594  2.86   2.17   0.08   0.20  105.0    1.0
A006  100   120        14595  2.80   2.25   0.10   0.16  102.0    1.0
A006  120   140        14596  3.02   2.47   0.10   0.14   78.0    1.0
A006  140   160        14597  2.77   1.87   0.09   0.17   79.0    2.0
A006  160   180        14598  3.38   3.01   0.07   0.18   91.0    1.0
A006  180   200        14599  4.24   3.68   0.08   0.14  116.0    1.0
A006  200   220        14600  3.46   3.36   0.06   0.15   96.0    1.0
A006  220   240        14601  3.78   3.59   0.06   0.17  116.0    1.0
A006  240   260        14602  2.53   1.91   0.12   0.21   93.0    2.0
A006  260   280        14603  2.57   2.02   0.15   0.21   90.0    1.0
R                 STRUCTURE SAMPLES
A006  115   116        14604  1.77   0.85   0.10   0.07   47.0    1.0
R                 1.0 M. CHIP ACCROSS AN OXYDIZED SER-CARB-CHL. SCHIST HOSTING
R                 A 1-2 CM. QZ VEIN.
A006  116   119        14605  0.70   0.50   0.07   0.02   21.0    1.0
R                 1.2 M. CHIP ALONG A 1-2  CM. QZ VEIN WITH DISSEMINATED PY IN
R                 VEINS AND ALONG CONTACTS HOSTED BY SER-CARB-CHL. SCHIST
R                 STRIKING 148 DEG. AND DIPPING 48 DEG NE.
R                    TRENCH OVERBURDEN PROFILE SAMPLE DATA
R         SAMPLE/LOCATION  DEPTH    AG     AS     AU     CU     PB     ZN
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R			cm	ppm	ppm	ppb	ppm	ppm	ppm
R									
R	TR90-12	0.0A	10-70	0.1	2	2.5	115	13	60
R	TR90-12	20.0A	15-60	0.1	3	2.5	32	6	53
R	TR90-12	28.0A	15-48	0.1	1	2.5	29	6	46

/END

Trench 90-13

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IDEN6B0201 V239 TR90-13     14AUG90 MD   LEPKAUG90225   DALGRD  0.0
IPRJ      PDI/GERLE GOLD                      MCCONNELL CK PROPERTY
S000   00    45 MT    19.7 109.5  26.0             11322.0    9700.0    1360.0
S001   45    65       19.7 114.5  12.0
S002   65   197       19.7 124.5 -18.0
/SCL        MT.2
LSCL                       LCTM
/NAM                                                 CLSESICAEPCCPYCPGL
LNAM                                                 LIHEPLMC    SLMGGD
R               THIS TRENCH WAS EXCAVATED TO TEST THE EXTENSION OF A CHLORITIC
R               SCHIST ZONE HOSTING QZ VEINS; WEAK VLF.
R               BEDROCK IS ROLLING AND OVBD. DEPTH VARIES 0.2 - 3.0 M.
R               CONSISTING OF B-HORIZON OVERLYING BOULDERY TILL, OVERLYING
R               WEATHERED BEDROCK TRENCHED OVER 2 M. DEEP.
R      00    50 UNSAMPLED: GEOLOGISTS DECISION.
/      00    90        AMGNHBPFBI+CGND        P BN153   P+P)V+<)P1  D)
L                          4GQZ   BNF3          S# 90   C+  C+
R               DARK GREEN WITH SPOTTY LIGHT GREEN M.G. AND C.G. AMPHIBOLITE
R               & DISPLAYING WEAK FOLIATION, WEAK BANDING (NONDESCRIPT MOTTLED)
R               2-10 MM HORNB. X-TALS (UP TO 40%) ARE INTERLOCKED WITH FINER
R               GRAINED PLAG. PARTLY ALTERED TO SER. AND EPID., OCCASIONALLY
R               HEMATITE STAINING.
R               NARROW STRINGERS AND LENSES OF QZ-EP CUT PARALLEL TO FOLIATION
R               (~160 DEG).
R               PY OCCURS AS DISS. AND CLOTS (~1%) ASSOC. WITH EPID. ALT.
R               WEAK FRACTURING AT 315 DEG AND 40 DEG DIP
R               4.5 M. : PROMINENT HUMP IN BEDROCK => M.G. AMPHIBOLITE
R               7.0 M. : PROMINENT HUMP IN BEDROCK => C.G. AMPHIBOLITE WITH
R                        DYKE LIKE SHAPE STRIKING 135 DEG.
R               7.0 - 9.0 : AMPH. GRAIN SIZE DOWNGRADING TO F.G. TOWARDS CONTACT
R                           INCREASE IN EPIDOTE ALTERATION.
/      90   124        AMGNHBPF   SCND        P S#110 45P)P)    Q+  B)
L                          2N     CG      5 5           C+C+
R               BLACK, MASSIVE, WEAKLY ALTERED C.G. NONDESCRIPT AMPHIBOLITE.
R               MODERATE SCHISTOSITY AT 110 DEG DIPPING 45 DEG N.
R               WEAK FRACTURING WITH JOINT SET AT 110 AND 180 DEG.
R               EPIDOTE PATCHES APPEAR IN SOME FRATURES (~2-3%).
R               PY OCCURS UP TO 1-2% AS DISS. AND CLOTS OF GRAINS.
/     124   197        OVBD                   P
R               END OF TRENCH
A001
AUMM            LNG SAMPLE   AU1    AU    CU    PB    ZN    CA     K%    NA%    FE%
R                            ppb    ppm   ppm   ppm   ppm   %      %     %      %
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
R      00    50 NO SAMPLE-OVBD
A001   50    70       14606  2.5           70     1    41  1.44   0.14   0.06   3.97
A001   70    90       14607  2.5          371     1    43  1.32   0.10   0.07   4.69
A001   90   110       14608 25.0           70     1    44  1.74   0.33   0.07   3.95
A001  110   130       14609  2.5           73     1    40  1.77   0.08   0.07   3.88
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A001	130	150	14610	2.5		59	1	63	2.17	0.04	0.00	5.02
A001	150	164	14611	15.0		40	2	97	3.80	0.12	0.00	7.36
A001	164	174	14612	20.0		50	2	86	0.59	0.27	0.01	7.01
R	174	197	NO SAMPLE-OVBD									
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
R	00	50	NO SAMPLE-OVBD									
A004	50	70	14606	1	0.05	31	102	0.05	17	3	29	2.5
A004	70	90	14607	1	0.05	51	110	0.05	16	4	43	2.5
A004	90	110	14608	1	0.10	32	135	0.05	63	4	39	2.5
A004	110	130	14609	1	0.05	34	109	0.05	24	4	32	2.5
A004	130	150	14610	1	0.20	31	200	0.05	8	4	80	2.5
A004	150	164	14611	1	0.40	46	296	0.05	15	3	117	2.5
A004	164	174	14612	1	0.30	41	158	0.10	36	3	64	2.5
R	174	197	NO SAMPLE-OVBD									
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
R	00	50	NO SAMPLE-OVBD									
A005	50	70	14606	1	5	7	2.5	2.5	1.5	624	49	
A005	70	90	14607	1	5	6	2.5	2.5	1.5	623	49	
A005	90	110	14608	1	5	8	2.5	6.0	1.5	647	68	
A005	110	130	14609	1	5	7	2.5	2.5	1.5	604	53	
A005	130	150	14610	1	5	12	2.5	5.0	1.5	796	73	
A005	150	164	14611	2	5	21	2.5	6.0	1.5	1168	125	
A005	164	174	14612	4	5	16	2.5	2.5	1.5	1192	28	
R	174	197	NO SAMPLE-OVBD									
A006												
AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR			
R				%	%	%	%	ppm	ppm			
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
R	00	50	NO SAMPLE-OVBD									
A006	50	70	14606	2.92	2.59	0.03	0.17	113.0	1.0			
A006	70	90	14607	3.14	2.76	0.03	0.16	108.0	1.0			
A006	90	110	14608	3.24	2.76	0.03	0.18	121.0	1.0			
A006	110	130	14609	3.25	2.67	0.01	0.19	128.0	1.0			
A006	130	150	14610	3.97	3.95	0.03	0.09	133.0	1.0			
A006	150	164	14611	5.65	5.55	0.07	0.03	175.0	0.5			
A006	164	174	14612	4.93	4.71	0.07	0.09	165.0	1.0			
R	174	197	NO SAMPLE-OVBD									

R TRENCH OVERBURDEN PROFILE SAMPLE DATA

R	SAMPLE/LOCATION		DEPTH	AG	AS	AU	CU	PB	ZN
R			cm	ppm	ppm	ppb	ppm	ppm	ppm
R									
R	TR90-13	0.0MA	30	0.1	5	5	11	3	36

R	TR90-13	0.0MB	150	0.1	1	2.5	29	4	48
R	TR90-13	0.0MC	230	0.1	8	2.5	82	6	48
R	TR90-13	10.0MA	20	0.1	1	2.5	14	5	40
R	TR90-13	10.0MB	80	0.1	7	2.5	144	4	57
R	TR90-13	10.0MC	150	0.1	3	2.5	130	3	43
R	TR90-13	17.0MA	20	0.2	5	2.5	30	6	30
R	TR90-13	17.0MB	100	0.1	1	2.5	36	5	35
R	TR90-13	17.0MC	220	0.1	9	10	157	4	50

/END

Trench 90-14

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IDEN6B0201 V239 TR90-14     15AUG90 MD   LEPKAUG90225   DALGRD  0.0
IPRJ      PDI/GERLE GOLD                     MCCONNELL CK PROPERTY
S000    00    43 MT   17.4  85.5   8.0              11302.0    9700.0    1360.0
/SCL         MT.2
LSCL                       LCTM
/NAM                                                    CLSESICAEPCCPYCPGL
LNAM                                                    LIHEPLMC    SLMGGD
R                THIS TRENCH WAS DUG TO TEST THE EXTENSION OF A QZ VEIN HOSTED BY
R                CHLOR-SER SCHIST DISCOVERED IN AN ADJACENT HAND DUG PIT.
R                OVBD DEPTH AVERAGES 2M. (B-HORIZON LODGEMENT TILL) - WEATHERED
R                ROCK EXCAVATED DOWN 1M.
R                BEDROCK RISES GENTLY FROM WEST - EAST.
/       00    23        OVBD                   P S#163 84P7P2P=<)<)  D+
/       23    83        CLS#CLSEQZ+SCWV    6 6 P VQ163   <+
L                          AGPF   VNLM
R                GREYISH-GREEN, INTENSELY SCHISTOSE CHLOR-SER(-CARB) SCHIST
R                HOSTING ~40 CM. WIDE QZ VEIN.
R                STRONG SCHISTOSITY DISPLAYS WAVEY SURFACE DUE TO WEAK FOLDING,
R                STRIKING 163 DEG DIPPING 84 DEG NE.
R                ROCK CONSISTS MAINLY OF CHLOR. ~70% WITH LESSER SERIC. ~20% AND
R                MINOR CARB. F.F. ~1-2%. SILIC. IS WEAK AND PERVASIVE ~5%.
R                STRONG LIM. STAINING ALONG FRACTURES, PROBABLY DUE TO INCREASED
R                DISSEMINATED PY CONTENT ~3-4%.
R                SER-QZ-CARB OCCUR AS STRINGERS PARALLEL TO SCHISTOSITY.
R                SCHIST DEVELOPS A MORE FOLIATED AND LAMINATED TEXTURE NEAR
R                CONTACTS AS IT GRADES INTO AMPHIBOLITE GNEISS.
R                3.2 - 3.9 : ~40 CM. WIDE QZ VEIN HOSTED BY SCHIST, WHITE
R                             MASSIVE, BARREN OF MIN. PARRALLEL TO SCHIST.
R                FRACTURING IS MODERATE - INTENSE, JOINT SET AT 163 AND 80 DEG.
/       83   150        AMGNHBPFBI+F5MG        P FO183   P+P)<+<+<+  D*
L                          3GQZ   BN      6 6            <+C)
R                DARK GREEN M.G., WEAKLY ALTERED AND MODERATELY FRACTURED AMPH.
R                GNEISS DISPLAYING MODERATE FOLIATION AND WEAK BANDING.
R                2-3 MM. HORNB. X-TALS ~70% WITH ~2% HORNB. PORPHYROBLASTS
R                (4-6MM); FINER GRAINED GREYISH-GREEN PLAG X-TALS.
R                ALTERATION CONSISTS OF WEAK CHLOR-SER-EPID.; QZ-EPID AND
R                IRON-CARB STRINGERS AND VEINLETS, LESSER LENSES.
R                PY OCCURS AS MINOR <1% DISS.
R                FRACTURING IS MODERATE TO INTENSE; JOINT SET AT 183 AND 105 DEG.
R                WEAK SILIC.
/      150   174        OVBD                   P
R                END OF TRENCH
A001
AUMM             LNG SAMPLE   AU1    AU     CU     PB     ZN     CA     K%    NA%    FE%
R                             ppb    ppm    ppm    ppm    ppm    %      %      %      %
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
R       00    43 NO SAMPLES - OVBD
A001    43    63       14613  2.5            66      1    102   1.49   0.17   0.00   6.91
A001    63    83       14614  5.0            45      2     70   2.74   0.18   0.00   5.13
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A001	83	103	14615	10.0		58	1	81	4.66	0.09	0.01	5.34
A001	103	123	14616	30.0		85	1	40	1.45	0.24	0.08	3.06
A001	123	140	14617	15.0		74	1	65	1.12	0.39	0.04	4.15
A001	140	150	14618	2.5		20	1	81	1.27	0.30	0.05	5.13
R	150	174	NO SAMPLES - OVBD									
A002												
AUMM			LNG SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%
R				ppb	ppm	ppm	ppm	ppm	%	%	%	%
ALAB			PDI RESEARCH									
ATYP			STRUCTURE SAMPLES									
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST									
A002	32	39	14619	30.0		50	5	40	6.02	0.15	0.00	4.33
R			QZ VEIN HOSTED BY CHLORITIC/SERICITIC SCHIST									
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A004	43	63	14613	1	0.50	41	251	0.05	29	3	127	2.5
A004	63	83	14614	1	0.30	29	279	0.05	35	6	102	2.5
A004	83	103	14615	1	0.05	34	250	0.05	10	4	104	2.5
A004	103	123	14616	1	0.05	25	154	0.05	33	3	59	2.5
A004	123	140	14617	1	0.10	28	164	0.05	63	3	51	2.5
A004	140	150	14618	1	0.10	29	108	0.05	50	4	35	2.5
R	150	174	NO SAMPLES - OVBD									
R			STRUCTURE SAMPLES									
A004	32	39	14619	1	0.40	23	184	0.05	30	6	57	2.5
R			QZ VEIN HOSTED BY CHLORITIC/SERICITIC SCHIST									
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A005	43	63	14613	5	5	14	2.5	6.0	1.5	1457	43	
A005	63	83	14614	2	5	10	2.5	6.0	1.5	1221	97	
A005	83	103	14615	2	5	20	2.5	6.0	1.5	1099	98	
A005	103	123	14616	3	5	6	2.5	6.0	1.5	547	36	
A005	123	140	14617	2	5	5	2.5	7.0	1.5	726	40	
A005	140	150	14618	2	5	8	6.0	8.0	1.5	962	49	
R	150	174	NO SAMPLES - OVBD									
R			STRUCTURE SAMPLES									
A005	32	39	14619	2	5	7	2.5	5.0	1.5	1814	253	
R			QZ VEIN HOSTED BY CHLORITIC/SERICITIC SCHIST									
A006												
AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR			
R				%	%	%	%	ppm	ppm			
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A006	43	63	14613	4.36	4.77	0.07	0.01	124.0	1.0			
A006	63	83	14614	2.93	3.85	0.05	0.01	82.0	0.5			
A006	83	103	14615	3.99	5.01	0.06	0.04	149.0	0.5			

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A006  103   123       14616  2.27  2.42  0.07  0.14  79.0   2.0
A006  123   140       14617  2.90  2.71  0.08  0.16  88.0   1.0
A006  140   150       14618  3.50  2.95  0.09  0.17  98.0   1.0
R     150   174 NO SAMPLES - OVBD
R               STRUCTURE SAMPLES
A006   32    39       14619  1.02  3.32  0.02  0.00  29.0   0.5
R               QZ VEIN HOSTED BY CHLORITIC/SERICITIC SCHIST
R                  TRENCH OVERBURDEN PROFILE SAMPLE DATA
R       SAMPLE/LOCATION  DEPTH    AG    AS    AU    CU    PB    ZN
R                          cm    ppm   ppm   ppb   ppm   ppm   ppm
R
R       TR90-14   0.0MA    25    0.1     1    55    37     4    40
R       TR90-14   0.0MB   100    0.1     4    10    48     5    41
R       TR90-14   0.0MC   200    0.1     6    35    63     5    60
R       TR90-14  10.0MA    40    0.1     7    25    37     9    36
R       TR90-14  10.0MB    80    0.1     4   2.5    36     6    30
R       TR90-14  10.0MC   120    0.1     3   2.5    41     4    36
R       TR90-14  17.0MA    20    0.1     5   2.5    30     4    33
R       TR90-14  17.0MB    40    0.1     7   2.5    49     5    51
R       TR90-14  17.0MC   190    0.1     2   2.5    79     5    57
/END
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Trench 90-23

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IDEN6B0201V239  TR90-23     21AUG90 MD   LEPKAUG90225    MDGRD  0.0
IPRJ      PLACER DOME INC                        MCCONNELL CREEK
S000   00   150 MT   70.0  77.5   0.0              7690.0   9390.0     1455.
S001  150   530      70.0  93.5  13.0
S002  530   700      70.0  93.5  10.0
/SCL        MT.2
LSCL                      LCTM
/NAM                                                       CLSESICAEPCCPYCPGLBO
LNAM                                                       LIHEPLMC    SLMGGD
R              TRENCH DUG TO TEST A MULTIPLE Cu GEOCHEM ANOMALY AND A CONTACT
R              BETWEEN QZDR/AMGN
R              OVBD DEPTH VARIES FROM 0.8 TO 2.0M WITH B-HORIZON (0.8M)
R              OVERLYING LODGMENT TILL 1.2M OVERLYING WEATHERED ROCK (ABOUT
R              0.4M DEEP)
R              BEDROCK SLOPES GENTLY TO MODERATLY WEST-EAST WITH NUMEROUS
R              HUMPS AND TROUGHS STEADY WATER SEEPAGE IN TRENCH
/      00   540       AMGNHBPFBI+MGF5        P BN152 70P=P1<+  >=  <(D.
L                         5AQZ   BNPB    3 4   FO148   <+
R              MEDIUM GRAY, FINE TO MEDIUM GRAINED, WEAKLY BANDED, MODERATELY
R              FOLIATED, PORPHYROBLASTIC AMPHIBOLITE GNEISS ABOUT 60% MAFICS
R              (HORNBLEND) WITH LESSER PLAGIOCLASE-QUARTZ COMPOSE BULK OF
R              ROCK WITH INTERCALATED, PARALLEL BANDS OF QUARTZ DIORITE (UP
R              TO 1.0 CM THICK) ABOUT 10-15% HORNBLEND PORPHYROBLASTS OCCUR
R              THROUGHOUT (UP TO 5MM SUB-ROUNDED-ROUNDED) FRACTURES AND
R              STRINGERS HEALED BY QUARTZ-PLAGIOCLASE/SERICITE OCCUR PARALLEL
R              TO BANDING/FOLIATION. ALTERATION IS WEAK AND CONSISTS OF
R              PARTIAL CHLOR. OF MAFICS AND PARTIAL SERIC. AND EPIDOT. OF
R              PLAGIOCLASE EPIDOTIZED BANDS OCCURING IN ROCK UP TO 15CM THICK;
R              FRACTURING WEAK WITH JOINT SET AT 145 DEGREES AND 42 DEGREES.
R              PYRITE OCCUR AS F.F. AND DISSEMINATED <1%. TRACES OF CP
R              24.3 : 2CM QZMZ DYKE (PINCH AND SWELLS) STRINKING // TO BANDING
R              ABOUT 152 DEGREES WITH CHLORITIC SCHIST CONTACTS
R              31.0 - 32.0" INTENSELY FRACTURED BRITTLE ZONE (BEDROCK RISE SHAR
R              WITH JOINT SET AT 165 DEGREES AND 98 DEGREES
R              53.0 : PROMINENT HUMP IN BEDROCK
R              54.0 - 60.2 FLOODED
/     540   602       CLS#CLSE   SCFF        P S#150   P5P2<1<1    D)
L                         AGQZ   S7WV    5 8           <1
R              GRAYISH-GREEN INTENSELY SHEARED, CHLORITE-SERICITE-CARB SCHIST
R              HOSTING NARROW QUARTZ VEINS WHICH PINCH AND SWELL, LIMONITIC
R              STAINING OCCURS THROUGHOUT ALONG FRACTURES.  VERY BRITTLE
R              FRACTURING WITH STRONG SCHISTOSITY AT 150 DEGREES
R              54.6 : LARGE ANGULAR FRAGMENTS OF QUARTZ VEIN MATERIAL WITH
R              VERY RUSTY SURFACE.  HOSTS CLOTS AND STRINGERS OF PYRITE AND
R              DISSEMINATED PYRITE WITH <1% MALACHITE STAINING
R              55.0: LARGE ANGULAR BOUDERS ON MUCK PILE OF RUSTY, IRON CARB
R              (ANKERITE?) IRREGULAR SHAPED CHLORITIC FRAGMENTS? HOSTING
R              CLOTS AND STRINGERS OF PYRITE QUARTZ VEINS AND LENSES ALSO
R              OCCUR THROUGHOUT
/     602   700       AMGNHBPFBI+MGF5        P FO148   P=P1<+  >=  <)D.
L                         5AQZ   BNPB    3 4   S#157   <+
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R			SAME ROCK AS INTERVAL 0.0 - 54.0M										
R			64.6 - 65.4 : CHLORITIC SCHIST, STRIKING 157 DEGREES, HOSTING										
R			A 4-5 CM QUARTZ VEIN WHICH PINCHES AND SWELLS QUARTZ IS MASSIVE										
R			AND BARREN, DISSEMINATED PYRITE <1%										
R			END OF TRENCH										
A001													
AUMM			SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%	
R				ppb	ppm	ppm	ppm	ppm	%	%	%	%	
ALAB			PDI RESEARCH										
ATYP			CHIP SAMPLES										
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST										
A001	220	240	14743	2.5		49	1	36	1.48	0.11	0.13	3.04	
A001	240	260	14744	2.5		75	1	29	1.54	0.12	0.19	2.76	
A001	280	300	14746	2.5		69	1	40	1.39	0.08	0.25	3.20	
A001	300	320	14747	2.5		51	1	47	0.93	0.11	0.10	3.49	
A001	320	340	14748	2.5		41	1	36	1.04	0.13	0.08	2.91	
A001	340	360	14749	2.5		51	1	22	1.65	0.09	0.16	2.16	
A001	360	380	14750	2.5		57	1	26	1.42	0.14	0.12	2.26	
A001	380	400	14751	2.5		35	1	23	1.48	0.10	0.11	1.91	AMGN
A001	400	420	14752	2.5		31	2	23	1.55	0.12	0.11	2.02	
A001	420	440	14753	2.5		50	3	25	1.51	0.11	0.21	1.90	
A001	440	460	14754	2.5		33	2	14	1.56	0.06	0.08	1.33	
A001	460	480	14755	2.5		40	1	19	1.89	0.12	0.10	1.66	
A001	480	500	14756	2.5		46	2	23	2.03	0.14	0.13	2.06	
A001	500	520	14757	2.5		46	1	28	1.52	0.16	0.16	2.65	
A001	520	540	14758	2.5		50	1	32	1.38	0.14	0.10	2.52	
A001	540	560	14759	65.0		136	1	73	2.03	0.34	0.04	5.42	
A001	560	580	14760	275.0		180	2	61	0.85	0.38	0.05	5.28	CLSH
A001	580	602	14761	2.5		90	1	55	1.10	0.18	0.07	4.23	
A001	602	618	14762	2.5		86	1	24	1.41	0.08	0.11	2.15	
A001	618	633	14763	2.5		77	1	19	1.15	0.06	0.12	1.85	
A001	633	646	14764	2.5		57	1	36	1.37	0.11	0.12	2.76	
A001	646	654	14765	15.0		79	3	75	4.49	0.26	0.01	5.52	
A001	654	680	14766	25.0		82	1	27	1.39	0.05	0.08	2.28	AMGN
A001	680	700	14767	2.5		47	1	34	1.15	0.10	0.10	2.85	
A002													
AUMM			SAMPLE	Au1	Au	CU	PB	ZN	CA	K%	NA%	FE%	
R				ppb	ppm	ppm	ppm	ppm	%	%	%	%	
ALAB			PDI RESEARCH										
ATYP			STRUCTURE SAMPLES										
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST										
A002	243	244	14768	2.5		50	2	25	0.83	0.12	0.12	2.08	
R			2CM QUARTZ-MONZONITE DYTKE IN CHLORITIC SHCIST (NARROW),										
R			PINCHES OUT; CONTACTS CONTAIN ABOUT 15% FINE DISSEMINATED										
R			PYRITE										
A002	650	651	14769	2.5		17	1	12	1.05	0.02	0.01	1.12	
R			204CM QUARTZ VEIN IN A 0.5M WIDE CHLORITIC SCHIST; PINCHES OUT										
R			GRAB SAMPLES										
A003													
AUMM			SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%	
R				ppb	ppm	ppm	ppm	ppm	%	%	%	%	
ALAB			PDI RESEARCH										
ATYP			GRAB SAMPLES										
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST										

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R                 GRAB TAKEN DUE TO EXCESS OVBD (MUD)
A003  260   280        14745   2.5            64     1    34  1.80  0.13  0.29  3.06
A003  224   225        14770   2.5            31     1    21  0.96  0.09  0.11  2.01
R                 QUARTZ MATERIAL IN A VEIN TPYE STRUCTURE IN TRENCH WALL
A003  546   547        14771   2.5            74     1     4  1.99  0.06  0.00  1.34
R                 RUSTY, ANG. FRAGMENTS FOUND IN SCHIST ZONE, QUARTZ FLOODED,
R                 CHLORITIC FRAGMENTS, CLOTS OF PY, CP, MALACHITE STAINING
A004
AUMM                  SAMPLE    BI    CD    CO    CR    AG    BA    MO    NI     W
R                              ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB              PDI RESEARCH
ATYP              CHIP SAMPLES
AMTH              ICP
A004  220   240        14743     1  0.30    25   138  0.05    28     3    28   2.5
A004  240   260        14744     1  0.20    22   100  0.05    26     3    28   2.5
A004  280   300        14746     1  0.50    23    80  0.05    25     1    33   2.5
A004  300   320        14747     1  0.60    25   151  0.10    26     3    65   2.5
A004  320   340        14748     2  0.20    23    95  0.05    48     2    40   2.5
A004  340   360        14749     1  0.20    17    84  0.05    29     2    23   2.5
A004  360   380        14750     1  0.20    20    88  0.05    31     2    31   2.5
A004  380   400        14751     1  0.20    19   117  0.05    25     1    31   2.5
A004  400   420        14752     1  0.20    19   125  0.05    32     2    32   2.5
A004  420   440        14753     1  0.10    17   115  0.05    43     2    57   2.5
A004  440   460        14754     1  0.05    14   156  0.05    29     2    43   2.5
A004  460   480        14755     1  0.40    16   120  0.05    36     2    37   2.5
A004  480   500        14756     2  0.30    15   122  0.05    38     2    31   2.5
A004  500   520        14757     1  0.20    19   101  0.10    42     2    29   2.5
A004  520   540        14758     1  0.20    17    74  0.10    35     1    26   2.5
A004  540   560        14759     1  1.10    35   286  0.05    48     4   111  11.0
A004  560   580        14760     1  1.00    37   104  0.05    65     4    66   2.5
A004  580   602        14761     1  0.70    31    95  0.05    31     4    41   2.5
A004  602   618        14762     1  0.30    21   109  0.05    22     1    43   2.5
A004  618   633        14763     1  0.20    19   138  0.05    24     1    58   2.5
A004  633   646        14764     1  0.30    23   142  0.05    34     2    57   2.5
A004  646   654        14765     1  1.00    33   215  0.10    37     3   111   5.0
A004  654   680        14766     1  0.30    21   134  0.10    27     2    56   2.5
A004  680   700        14767     1  0.30    23   109  0.10    29     2    47   2.5
R          STRUCTURE SAMPLES
A004  243   244        14768     1  0.20    14    83  0.05    36     2    21   2.5
R                 2CM QUARTZ-MONZONITE DYTKE IN CHLORITIC SHCIST (NARROW),
R                 PINCHES OUT; CONTACTS CONTAIN ABOUT 15% FINE DISSEMINATED
R                 PYRITE
A004  650   651        14769     1  0.05     5   303  0.10    26     6    26   2.5
R                 204CM QUARTZ VEIN IN A 0.5M WIDE CHLORITIC SCHIST; PINCHES OUT
R                 GRAB SAMPLES
R                 GRAB TAKEN DUE TO EXCESS OVBD (MUD)
A004  260   280        14745     1  0.40    22   114  0.05    34     2    38   2.5
A004  224   225        14770     1  0.05    15   148  0.05    27     3    19   2.5
R                 QUARTZ MATERIAL IN A VEIN TPYE STRUCTURE IN TRENCH WALL
A004  546   547        14771     1  0.05     2   228  0.10    29     6    14   2.5
R                 RUSTY, ANG. FRAGMENTS FOUND IN SCHIST ZONE, QUARTZ FLOODED,
R                 CHLORITIC FRAGMENTS, CLOTS OF PY, CP, MALACHITE STAINING
A005
AUMM                  SAMPLE    LA    TH    SC    AS    SB    HG    MN    SR
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R                          ppm    ppm    ppm    ppm    ppm    ppm    ppm    ppm
ALAB           PDI RESEARCH
ATYP           CHIP SAMPLES
AMTH           ICP
A005  220  240      14743    1      5      7    5.0    2.5    1.5    511    113
A005  240  260      14744    1      5      7    2.5    2.5    1.5    422     67
A005  280  300      14746    1      5      6    2.5    2.5    1.5    431     95
A005  300  320      14747    1      5      6    2.5    5.0    1.5    594     67
A005  320  340      14748    1      5      6    2.5    2.5    1.5    434     43
A005  340  360      14749    1      5      7    2.5    2.5    1.5    349     60
A005  360  380      14750    1      5      8    2.5    2.5    1.5    335     66
A005  380  400      14751    1      5      7    2.5    5.0    1.5    305     80
A005  400  420      14752    1      5      7    2.5    2.5    1.5    294     62
A005  420  440      14753    2      5      5    6.0    2.5    1.5    268    181
A005  440  460      14754    1      5      5    2.5    2.5    1.5    248     56
A005  460  480      14755    2      5      6    5.0    6.0    1.5    324     82
A005  480  500      14756    3      5      7    2.5    6.0    1.5    353     97
A005  500  520      14757    2      5      8    2.5    2.5    1.5    454     46
A005  520  540      14758    3      5      5    2.5    2.5    1.5    450     54
A005  540  560      14759    3      5     15    2.5    8.0    1.5   1123     44
A005  560  580      14760    2      5     14    5.0    2.5    1.5   1003     32
A005  580  602      14761    2      5      9    2.5    2.5    1.5    689     58
A005  602  618      14762    1      5      6    2.5    2.5    1.5    372     49
A005  618  633      14763    1      5      5    2.5    2.5    1.5    282     44
A005  633  646      14764    1      5      6    2.5    2.5    1.5    497     53
A005  646  654      14765    2      5     12    2.5    2.5    1.5   1272     85
A005  654  680      14766    1      5      6    2.5    2.5    1.5    387     56
A005  680  700      14767    1      5      6    5.0    2.5    1.5    445     36
R      STRUCTURE SAMPLES
A005  243  244      14768    2      5      3    2.5    2.5    1.5    311     73
R              2CM QUARTZ-MONZONITE DYTKE IN CHLORITIC SHCIST (NARROW),
R              PINCHES OUT; CONTACTS CONTAIN ABOUT 15% FINE DISSEMINATED
R              PYRITE
A005  650  651      14769    1      5      4    2.5    6.0    1.5    276     29
R              204CM QUARTZ VEIN IN A 0.5M WIDE CHLORITIC SCHIST; PINCHES OUT
R              GRAB SAMPLES
R              GRAB TAKEN DUE TO EXCESS OVBD (MUD)
A005  260  280      14745    1      5      8    6.0    6.0    1.5    459     92
A005  224  225      14770    1      5      4    2.5    2.5    1.5    311     51
R              QUARTZ MATERIAL IN A VEIN TPYE STRUCTURE IN TRENCH WALL
A005  546  547      14771    1      5      2    2.5    6.0    1.5    460     42
R              RUSTY, ANG. FRAGMENTS FOUND IN SCHIST ZONE, QUARTZ FLOODED,
R              CHLORITIC FRAGMENTS, CLOTS OF PY, CP, MALACHITE STAINING
A006
AUMM                SAMPLE    AL%    MG%     P%     TI      V     ZR
R                              %      %      %      %    ppm    ppm
ALAB           PDI RESEARCH
ATYP           CHIP SAMPLES
AMTH           ICP
A006  220  240      14743   2.32   1.66   0.05   0.17   85.0    2.0
A006  240  260      14744   1.92   1.35   0.06   0.15   76.0    1.0
A006  280  300      14746   2.67   1.75   0.05   0.13   82.0    1.0
A006  300  320      14747   2.58   2.55   0.06   0.12   85.0    1.0
A006  320  340      14748   2.03   1.93   0.06   0.14   80.0    2.0
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A006  340   360       14749  1.75  1.07  0.06  0.16  80.0   3.0
A006  360   380       14750  1.70  1.45  0.06  0.14  78.0   2.0
A006  380   400       14751  1.48  1.23  0.07  0.13  63.0   3.0
A006  400   420       14752  1.58  1.19  0.07  0.15  69.0   3.0
A006  420   440       14753  2.23  1.49  0.09  0.10  56.0   2.0
A006  440   460       14754  1.21  0.90  0.09  0.11  47.0   3.0
A006  460   480       14755  1.58  0.86  0.11  0.15  61.0   5.0
A006  480   500       14756  1.90  1.19  0.11  0.15  72.0   3.0
A006  500   520       14757  1.74  1.49  0.08  0.14  80.0   2.0
A006  520   540       14758  1.69  1.39  0.10  0.13  69.0   2.0
A006  540   560       14759  3.76  3.98  0.07  0.08 122.0   1.0
A006  560   580       14760  3.08  2.78  0.08  0.08 108.0   2.0
A006  580   602       14761  2.95  3.07  0.10  0.14 113.0   2.0
A006  602   618       14762  1.83  1.79  0.08  0.12  63.0   3.0
A006  618   633       14763  1.70  1.77  0.06  0.09  46.0   2.0
A006  633   646       14764  2.14  2.26  0.08  0.12  68.0   2.0
A006  646   654       14765  3.28  4.03  0.07  0.03  87.0   1.0
A006  654   680       14766  1.95  1.94  0.06  0.12  62.0   2.0
A006  680   700       14767  2.24  2.23  0.06  0.14  76.0   2.0
R          STRUCTURE SAMPLES
A006  243   244       14768  1.49  1.06  0.04  0.11  52.0   2.0
R                 2CM QUARTZ-MONZONITE DYTKE IN CHLORITIC SHCIST (NARROW),
R                 PINCHES OUT; CONTACTS CONTAIN ABOUT 15% FINE DISSEMINATED
R                 PYRITE
A006  650   651       14769  0.64  0.75  0.01  0.02  27.0   0.5
R                 204CM QUARTZ VEIN IN A 0.5M WIDE CHLORITIC SCHIST; PINCHES OUT
R                 GRAB SAMPLES
R                 GRAB TAKEN DUE TO EXCESS OVBD (MUD)
A006  260   280       14745  2.58  1.65  0.06  0.17  93.0   2.0
A006  224   225       14770  1.40  0.95  0.03  0.11  55.0   2.0
R                 QUARTZ MATERIAL IN A VEIN TPYE STRUCTURE IN TRENCH WALL
A006  546   547       14771  0.17  0.76  0.01  0.00   5.0   0.5
R                 RUSTY, ANG. FRAGMENTS FOUND IN SCHIST ZONE, QUARTZ FLOODED,
R                 CHLORITIC FRAGMENTS, CLOTS OF PY, CP, MALACHITE STAINING
R                    TRENCH OVERBURDEN PROFILE SAMPLE DATA
R        SAMPLE/LOCATION  DEPTH    AG     AS     AU     CU     PB     ZN
R                          cm     ppm    ppm    ppb    ppm    ppm    ppm
R
R        TR90-23  10.0MA    40     0.2     5     10     98      5     53
R        TR90-23  10.0MB   150     0.2     5    215     69      9     41
R        TR90-23  20.0MA    40     0.1     6     40     35      7     31
R        TR90-23  20.0MB   110     0.2     3    2.5     92      7     32
R        TR90-23  20.0MC   230     0.1     6    2.5     61      8     30
R        TR90-23  30.0MA    50     0.1     4     15    223      7     59
R        TR90-23  30.0MB   130     0.1     2    2.5     28      4     34
R        TR90-23  30.0MC   240     0.1     5      5     64      7     30
R        TR90-23  40.0MA    40     0.1     3      5     53      7     29
R        TR90-23  40.0MB    80     0.1     6    2.5     62      4     31
R        TR90-23  40.0MC   150     0.1     6    2.5     44      6     29
R        TR90-23  50.0MA    30     0.1     9     10     25      8     37
R        TR90-23  50.0MB    70     0.1     7    2.5    124      8     56
R        TR90-23  50.0MC   130     0.1     5    120     98      7     53
R        TR90-23  60.0MA    60     0.1     3     70     23      4     30
R        TR90-23  60.0MB   100     0.1     7    2.5     27      6     32
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R	TR90-23	60.0MC	200	0.1	5	2.5	75	6	52
R	TR90-23	70.0MA	30	0.2	6	2.5	27	5	42
R	TR90-23	70.0MB	130	0.1	5	2.5	51	6	42

/END

Trench 90-24

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IDEN6B0201V239  TR90-24     23AUG90 MD   LEPKAUG90225    MDGRD  0.0
IPRJ      PLACER DOME INC                       MCCONNELL CREEK
S000   00    110 MT    11.0  81.5    0.0              7678.0   9446.0     1455.0
/SCL         MT.2
LSCL                       LCTM
/NAM                                                       CLSESICAEPCCPYCPGLBO
LNAM                                                       LIHEPLMC    SLMGGD
R                THIS TRENCH WAS DUG TO TEST FOR AN EXTENSION OF A CHLORITE
R                SCHIST ZONE FROM TR90-23
R                OVBD DEPTH AVERAGES 3.0M
R                BEDROCK IS POORLY EXPOSED DUE TO MUD AND WATER, BUT APPEARS TO
R                SLOPE VERY GENTLY EAST TO WEST.  SAMPLING WAS DONE ALONG
R                TRENCH WALL
/      00    26         AMGN                P
/      26    66         CLS#                P
L
/      66    74         AMGN                P
L
/      74    110        OVBD                P
R                2.0M CHIP SAMPLES
A001
AUMM                 SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                             ppb   ppm   ppm   ppm   ppm     %     %     %     %
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A001   00    26       14772  15.0          53     1    31  1.48  0.15  0.10  2.61
A001   26    46       14773   2.5          82     2    69  0.64  0.18  0.01  5.52
A001   46    66       14774  95.0          59     3    74  3.10  0.29  0.01  6.29
A001   66    74       14775   2.5          37     1    62  1.13  0.21  0.04  4.11
A004
AUMM                 SAMPLE    BI    CD    CO    CR    AG    BA    MO    NI     W
R                             ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             ICP
A004   00    26       14772     1  0.05    19    90  0.05    42     2    29   2.5
A004   26    46       14773     1  1.10    38   443  0.05    22     4   123   2.5
A004   46    66       14774     1  1.70    33   132  0.10    57     3   107   2.5
A004   66    74       14775     1  0.70    24   108  0.05    50     2    64   2.5
A005
AUMM                 SAMPLE    LA    TH    SC    AS    SB    HG    MN    SR
R                             ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             ICP
A005   00    26       14772     2     5     7   2.5   2.5   1.5   436    56
A005   26    46       14773     1     5    16   2.5   8.0   1.5  1075    18
A005   46    66       14774     2     5    14   2.5   2.5   1.5  1401    64
A005   66    74       14775     4     5     3   2.5   2.5   1.5   710    51
A006
```

AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR
R				%	%	%	%	ppm	ppm
ALAB		PDI RESEARCH							
ATYP		CHIP SAMPLES							
AMTH		ICP							
A006	00	26	14772	1.92	1.61	0.09	0.15	81.0	2.0
A006	26	46	14773	4.63	5.71	0.05	0.12	169.0	1.0
A006	46	66	14774	3.08	3.23	0.10	0.03	97.0	1.0
A006	66	74	14775	1.90	1.60	0.09	0.03	45.0	1.0

R TRENCH OVERBURDEN PROFILE SAMPLE DATA

R	SAMPLE/LOCATION		DEPTH	AG	AS	AU	CU	PB	ZN
R			cm	ppm	ppm	ppb	ppm	ppm	ppm
R									
R	TR90-24	0.0MA	50	0.1	7	75	16	5	32
R	TR90-24	0.0MB	200	0.2	3	2.5	22	6	26
R	TR90-24	12.0MA	40	0.2	5	2.5	17	7	32
R	TR90-24	12.0MB	180	0.2	7	2.5	25	3	44
R	TR90-24	12.0MC	350	0.1	1	2.5	28	7	42

/END

Trench 90-25

```
IDEN6B0201V239  TR90-25     21AUG90 MD   LEPKAUG90225    MDGRD  0.0
IPRJ      PDI/GERLE GOLD                     MCCONNELL CK PROPERTY
S000   00    150 MT    30.0 102.5    8.0               7319.0    9485.0    1450.0
S001  150    300       30.0 117.5   12.0
/SCL        MT.2
LSCL                          LCTM
/NAM                                                       CLSESICAEPCCPYCPGLBO
LNAM                                                       LIHEPLMC  BISLMGGD
R               THIS TRENCH WAS DUG TO TEST A Cu GEOCHEM ANOMALY (140,161PPM)
R               OVBD DEPTH VARIES FROM 1.5M (UPSLOPE) TO 2.0M (DOWNSLOPE) WITH
R               ABOUT 0.2M B-HORIZON OVERLYING 1.4M LODGMENT TILL.BEDROCK RISES
R               GENTLY FROM WEST TO EAST; WEATHERED TO ABOUT 0.5 M DEPTH
/      00    300        AMGNHBPFBI+F5PB        P F0175   P=P=<+  >+  D(
L                             5AGN   MGBN    3 4           <+
R               MEDIUM GREY, MASSIVE BLOCKY, MODERATLY FOLIATED, MEDIUM GRAIN,
R               PORPHYROBLASTIC AMPHIBOLITE GNEISS ABOUT 60-70% MAFICS
R               (HORNBLEND) FINE GRAIN TO MEDIUM GRAIN WITH LESSER PLAGIOCLASE-
R               QUARTZ MAKE UP BULK OF ROCK.  3-10CM HORNBLEND PORPHYROBLASTS
R               OCCUR THROUGHOUT ABOUT 5-15% AND LESSER, SMALLER SERICITIZED
R               PLAGIOCLASE PORPH. ABOUT 10-15% OCCUR SCATTERED.  NARROW, MORE
R               FELSIC BANDS AND LENSES (QUARTZ-DIORITE?) OCCUR INTERCALATED,
R               COMMONLY EPIDOTIZED.  PARALLEL TO FOLIATION. PORPHYROB.OCCUR IN
R               BANDS AND DEMONSTRATE MINOR STRETCHING PARALLEL TO FOLIATION.
R               FRACTURES AND SEAMS ARE HEALED BY QUARTZE-PLAGIOCLASE-EPIDOTE,
R               GENERALY PARALLEL TO FOLIATION.
R               FOLIATION IS MODERATE AND STRIKES AT 175 DEGREES; WEAK FRACT'G
R               WITH JOINT SET AT 152 DEGREES AND 65 DEGREES.
R               ALTERATION IS WEAK AND CONSISTS OF PARTIAL CHLOR. OF MAFICS AND
R               PARTIAL EPIDOT. AND SERIC. OF PLAGIOCLASE.
R               PYRITE OCCURS AS <1% DISS.& IRREGULARLY DISTRIBUTED
R               0.0 - 4.0: FLOODED
R               10.0      : RUSTY, ANGULAR BOULDER OF QUARTZ VEIN MATERIAL WITH
R                           2-5% DISS.& CLOTS PY, CP + MALACAITE STAINING (CHLOR.
R                           FRAGMENTS)
R               14.3 - 20.6: MORE MAFIC, DECREASE IN BANDING AND HORNB.PORPHYR.
R               16.0:         QUARTZ FLOAT TAKEN FROM MUCK PILE; RUSTY, FRACT'D
R                             ABOUT 1-2% CLOTS OF PYRITE; FRAGMENTS AND PIECES
R                             OF CHLORITE SCHIST
R               16.6 : QUARTZ FLOAT TAKEN FROM TILL IN TRENCH WALL; MASSIVE,
R                      WHITE, UNMINERALIZED
R               20.6 - 25.5: GREENISH-GRAY, EPIDOTIZED (ABOUT 30%) AMPHIBOLITE
R                             GNEISS WITH COARSE, FOLIATED PORPHYROBLASTS
R               25.5 - 30.0: DECREASE IN EPIDOTIZATION, ROCK DISPLAYS LESS
R                             PORPHYROBLASTS, MORE BANDING AND FOLIATION
R               END OF TRENCH
A001
AUMM            LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%    NA%    FE%
R                            ppb    ppm   ppm   ppm   ppm   %     %     %      %
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
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R			2.0M CONTINUOUS CHIP SAMPLES									
R	00	40	NO SAMPLES-OVBD									
A001	40	60	52351	2.5		63	10	32	1.15	0.08	0.11	2.37
A001	60	80	52352	15.0		67	3	29	1.00	0.05	0.07	2.17
A001	80	100	52353	2.5		51	3	23	1.33	0.05	0.05	1.72
A001	100	120	52354	2.5		39	2	18	2.05	0.06	0.07	1.58
A001	120	143	52355	2.5		35	4	18	1.75	0.08	0.08	1.54
A001	143	160	52356	5.0		28	1	24	1.77	0.10	0.10	1.77
A001	160	180	52357	5.0		61	2	40	1.17	0.18	0.13	2.95
A001	180	206	52358	10.0		47	1	26	1.49	0.17	0.18	2.09
A001	206	226	52359	2.5		40	2	19	1.86	0.16	0.07	1.57
A001	226	255	52360	10.0		50	2	21	2.14	0.14	0.10	1.80
A001	255	275	52361	2.5		77	1	28	1.48	0.21	0.13	2.31
A001	275	295	52362	5.0		44	2	28	1.45	0.23	0.15	2.15
A003												
AUMM			LNG SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%
R				ppb	ppm	ppm	ppm	ppm	%	%	%	%
ALAB			PDI RESEARCH									
ATYP			GRAB SAMPLES									
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST									
A003	100	100	52363	5.0		152	1	15	0.57	0.05	0.04	4.30
R			RUSTY ANGULAR BOULDER OF QUARTZ VEIN MATERIAL WITH 2-5%									
R			DISS.& CLOTS OF PY & CP WITH ABOUT 1% MALACHITE STAINING									
A003	160	160	52364	2.5		20	2	3	0.23	0.01	0.02	0.37
R			QUARTZ FLOAT TAKEN FROM MUCK PILE; RUSTY,FRACTURED WITH									
R			ABOUT 1-2% DISS.AND CLOTS OF PYRITE, FRAGMENTS AND									
R			PIECES OF CHLORITIC SCHIST OCCUR IN SAMPLE									
A003	166	166	52365	2.5		14	1	7	0.11	0.01	0.02	0.85
R			QUARTZ FLOAT TAKEN FROM TILL FROM TRENCH WALL; MASSIVE, WHITE,									
R			UNMINERALIZED									
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A004	40	60	52351	2	0.05	20	119	0.10	24	2	34	2.5
A004	60	80	52352	1	0.05	19	118	0.10	16	2	37	2.5
A004	80	100	52353	1	0.05	22	149	0.05	11	2	36	2.5
A004	100	120	52354	2	0.05	17	132	0.05	14	2	26	2.5
A004	120	143	52355	3	0.05	16	133	0.10	20	2	22	2.5
A004	143	160	52356	1	0.05	19	166	0.05	25	3	38	2.5
A004	160	180	52357	1	0.10	21	106	0.10	34	2	37	2.5
A004	180	206	52358	1	0.05	19	141	0.05	29	2	53	2.5
A004	206	226	52359	3	0.05	19	106	0.05	15	2	25	2.5
A004	226	255	52360	5	0.05	20	102	0.05	22	2	22	2.5
A004	255	275	52361	1	0.05	19	83	0.10	31	2	24	2.5
A004	275	295	52362	2	0.10	16	87	0.05	31	2	27	2.5
R	GRAB SAMPLES											
A004	100	100	52363	1	0.05	135	261	0.05	18	7	131	2.5
R			RUSTY ANGULAR BOULDER OF QUARTZ VEIN MATERIAL WITH 2-5%									
R			DISS.& CLOTS OF PY & CP WITH ABOUT 1% MALACHITE STAINING									
A004	160	160	52364	6	0.05	3	218	0.05	2	5	11	2.5
R			QUARTZ FLOAT TAKEN FROM MUCK PILE; RUSTY,FRACTURED WITH									

```
R               ABOUT 1-2% DISS.AND CLOTS OF PYRITE, FRAGMENTS AND
R               PIECES OF CHLORITIC SCHIST OCCUR IN SAMPLE
A004  166   166      52365     1  0.05     7   309  0.05     6     7    17   2.5
R               QUARTZ FLOAT TAKEN FROM TILL FROM TRENCH WALL; MASSIVE, WHITE,
R               UNMINERALIZED
A005
AUMM                 SAMPLE    LA    TH    SC    AS    SB    HG    MN    SR
R                             ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            ICP
A005   40    60      52351     1     5     6   2.5   7.0   1.5   353   113
A005   60    80      52352     1     5     4   2.5   6.0   1.5   289    80
A005   80   100      52353     2     5     6   2.5   6.0   1.5   244    67
A005  100   120      52354     1     5     8   2.5   6.0   1.5   293    74
A005  120   143      52355     2     5     7   2.5   5.0   1.5   275    73
A005  143   160      52356     1     5     7   2.5   7.0   1.5   304    69
A005  160   180      52357     2     5     6   5.0   9.0   4.0   468   113
A005  180   206      52358     2     5     6   2.5   8.0   1.5   339   108
A005  206   226      52359     2     5     5   2.5   6.0   1.5   308    63
A005  226   255      52360     2     5     6   2.5   7.0   1.5   343    83
A005  255   275      52361     2     5     7   2.5   5.0   1.5   404    67
A005  275   295      52362     3     5     6   2.5   6.0   1.5   388    92
R        GRAB SAMPLES
A005  100   100      52363     1     5     2   2.5   9.0   1.5   218    21
R               RUSTY ANGULAR BOULDER OF QUARTZ VEIN MATERIAL WITH 2-5%
R               DISS.& CLOTS OF PY & CP WITH ABOUT 1% MALACHITE STAINING
A005  160   160      52364     1     5     1   2.5   7.0   1.5    55     2
R               QUARTZ FLOAT TAKEN FROM MUCK PILE; RUSTY,FRACTURED WITH
R               ABOUT 1-2% DISS.AND CLOTS OF PYRITE, FRAGMENTS AND
R               PIECES OF CHLORITIC SCHIST OCCUR IN SAMPLE
A005  166   166      52365     1     5     1   2.5  10.0   1.5   218     2
R               QUARTZ FLOAT TAKEN FROM TILL FROM TRENCH WALL; MASSIVE, WHITE,
R               UNMINERALIZED
A006
AUMM                 SAMPLE   AL%   MG%    P%    TI     V    ZR
R                               %     %     %     %   ppm   ppm
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            ICP
A006   40    60      52351  1.92  1.75  0.06  0.10  66.0   2.0
A006   60    80      52352  1.74  1.58  0.06  0.10  55.0   2.0
A006   80   100      52353  1.20  0.86  0.06  0.12  52.0   4.0
A006  100   120      52354  1.46  0.70  0.08  0.16  58.0   5.0
A006  120   143      52355  1.32  0.63  0.08  0.14  56.0   4.0
A006  143   160      52356  1.49  0.94  0.07  0.13  61.0   4.0
A006  160   180      52357  2.06  1.74  0.10  0.13  85.0   2.0
A006  180   206      52358  1.95  1.51  0.08  0.11  61.0   2.0
A006  206   226      52359  1.38  0.58  0.10  0.15  59.0   4.0
A006  226   255      52360  1.58  0.57  0.10  0.16  67.0   5.0
A006  255   275      52361  1.51  1.07  0.08  0.15  76.0   3.0
A006  275   295      52362  1.48  1.10  0.10  0.13  70.0   2.0
R        GRAB SAMPLES
A006  100   100      52363  0.64  0.42  0.02  0.06  29.0   2.0
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R               RUSTY ANGULAR BOULDER OF QUARTZ VEIN MATERIAL WITH 2-5%
R               DISS.& CLOTS OF PY & CP WITH ABOUT 1% MALACHITE STAINING
A006  160   160      52364  0.08  0.07  0.00  0.00   2.5   1.0
R               QUARTZ FLOAT TAKEN FROM MUCK PILE; RUSTY,FRACTURED WITH
R               ABOUT 1-2% DISS.AND CLOTS OF PYRITE, FRAGMENTS AND
R               PIECES OF CHLORITIC SCHIST OCCUR IN SAMPLE
A006  166   166      52365  0.32  0.32  0.00  0.01  10.0   1.0
R               QUARTZ FLOAT TAKEN FROM TILL FROM TRENCH WALL; MASSIVE, WHITE,
R               UNMINERALIZED
R                  TRENCH OVERBURDEN PROFILE SAMPLE DATA
R       SAMPLE/LOCATION  DEPTH    AG    AS    AU    CU    PB    ZN
R                         cm     ppm   ppm   ppb   ppm   ppm   ppm
R
R       TR90-25   0.0MA   40     0.1     5   2.5    22     4    33
R       TR90-25   0.0MB  130     0.1     4   2.5    34     7    33
R       TR90-25   0.0MC  300     0.2     4   2.5    68     5    42
R       TR90-25  10.0MA   30     0.1     3  2530    73     5    42
R       TR90-25  10.0MB  100     0.2     4     5    56     4    28
R       TR90-25  10.0MC  180     0.1     3   2.5    78     3    40
R       TR90-25  20.0MA   40     0.2     6   2.5   100     4    48
R       TR90-25  20.0MB  100     0.2     5    10    27     4    43
/END
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Trench 90-26

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IDEN6B0201V239  TR90-26     23AUG90 MD   LEPKAUG90225    MDGRD  0.0
IPRJ      PDI/GERLE GOLD                    MCCONNELL CK PROPERTY
S000   00    60 MT   53.3  97.5  22.0               7241.0    9526.0    1450.0
S001   60   230      53.3  94.5  12.0
S002  230   533      53.3  89.5   4.0
/SCL        MT.2
LSCL                          LCTM
/NAM                                                       CLSESICAEPCCPYCPGLBO
LNAM                                                       LIHEPLMC  BISLMGGD
R               THIS TRENCH WAS DUG TO TEST A MULTIPLE Cu GEOCHEM ANOMALY
R               OVBD DEPTH VARIES FROM 0.8 TO 3.0M COMPOSED MAINLY OF TILL
R               BEDROCK RISES MODERATELY FROM WEST TO EAST WITH NUMEROUS
R               HUMPS AND TROUGHS THROUGHOUT
/      00   233        AMGNHBPFBI+F3PB        P FO160   <)P1>1  <+  D*
L                          6AQZ   MXFF    2 4             <)             <.
R               LIGHTER GRAY, FINE GRAIN, MASSIVE, WEAKLY FOLIATED,
R               PORPHYROBLASTIC (HORNBLEND) AMPHIBOLITE GNEISS
R               ABOUT 50% MAFICS MAINLY HORNBLEND INTERLOCKING WITH
R               PLAGIOCLASE ABOUT 30% AND LESSER QUARTZ. UP TO 15% HORNBLEND
R               PORPHYROBLASTS (3-6MM) OCCUR THROUGHOUT WEAK FOLIATION AT 160
R               DEGREES.  ROCK CUT BY NUMEROUS, PARALLEL SEAMS, LENSES AND
R               FRACTURES,UP TO 1 CM WIDE, HEALED BY QUARTZ, QZDR, PLAGIOCLASE
R               AND LESSER EPIDOTE UP TO 1CM WIDE, GENERALLY ALL PARALLEL TO
R               FOLIATION.
R               FRACTURING WEAK WITH JOINT SET AT 130 DEGREES AND 55 DEGREES
R               0.0 - 6.0  : SHARP RISE IN BEDROCK
R               20.0 - 23.3: INCREASE IN QUARTZ, QZDR CONTENT > HUMP IN BEDROCK
/     233   253        CLS#CLQZ   SCSH        P S#150   P8P1<+      D)
L                          3GSE           3 7             <1<+
R               DARK BROWNISH GREEN, HIGHLY SCHISTOSED, CONTORTED CHLORITE
R               SCHIST CHARACTERIZED IN BEDROCK BY A TROUGH.ESSENTIALLY
R               COMPOSED OF CHLORITE WITH LESSER QTIES OF QUARTZ AND SERIC.
R               SOME FRACTURES HEALED WITH QUARTZ AND HEM.
R               CONTACTS SHOW INCREASED SILICIFICATION
/     253   373        AMGNHBQZ   NDF3        P FO155   <(P1>=<)    B(
L                          6APF   MXMG    2 4   D/150
R               LIGHT GREY, FINE-MEDIUM GRAINED MASSIVE, NONDESCRIPT (WEAKLY
R               FOLIATED) AMPHIBOLITE. ABOUT 40 - 50% MAFICS (HORNBLEND)
R               INTERLOCKING WITH QUARTZ AND PLAGIOCLASE, GRAINY, NONDESCRIPT
R               TEXTURE. QUARTZ OCCURS AS FINE NODULES ELONGATED PARALLEL TO A
R               WEAK FOLIATION AT 155 DEGREES.
R               ALTERATION IS WEAK CONSISTING OF PERV. SERIC. OF PLAGIOCLASE AND
R               FRACTURS AND SEAMS OF QUARTZ.
R               OCCASIONAL BANDS OF QUARTZ DIORITE (ABOUT 1CM) AND DYKES OF
R               QUARTZ MONZONITE (UP TO 3CM) CUT ROCK
R               FRACTURING WEAK W. JOINT SET AT 120 DEGREES AND 50 DEGREES
R               25.3 - 27.3: INCREASED CARBONATE CONTENT (F.F) IN NON
R                            DESCRIPT AMPHIBOLITE WITH ABOUT 10% QUARTZ NODULES
R               28.3       : 3CM QUARTZ MONZONITE DYKE STRIKING 150 DEGREES,
R                            DIPPING 55 DEGREES NORTHEAST
R               29.0       : PROMINENT HUMP IN BEDROCK
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R               33.3 - 37.3: PROMINENT HUMP IN BEDROCK
/    373   438        CLS#CLQZ   SCSH        P S#160   P8P1<+      D+
L                           3GSE           3 7            <2<+
R               SIMILAR TO INTERVAL 23.3 TO 25.3M > FLOODED (TROUGH IN BEDROCK)
R               TO 41.3M
R               40.0: ANGULAR QUARTZ BOULDER (FROM TILL?); WHITE,MASSIVE, SOME
R                     VUGS, UNMINERALIZED
R               41.3: 10CM WIDE SILICEOUS VEIN CONTAINING IRON CARBONATE AND UP
R                     TO 15% DISSEMINATED PYRITE INTENSELY RUSTED CONTACTS
/    438   533        AMGNHBPF   F3PB        P FO120   <)P=<+  <+  D)
L                           4AQZ   FGMX
R               DARKER GREY, WEAKLY FOLIATED AND PORPHYROBLASTIC, FINE GRAINED
R               AMPHIBOLITE GNEISS. ABOUT 60 - 70% MAFICS (HORNBLEND) WITH
R               LESSER PLAGIOCLASE & QUARTZ; ABOUT 3-5% HORNBLEND PORPHYROBLASTS
R               FRACTURES, SEAMS AND LENSES HEALED BY QUARTZ-PLAGIOCLASE AND
R               EPIDOTE.
R               WEAK PERV. SERIC. ALTERATION OF PLAGIOCLASE; EIPDOTE PATCHES AND
R               FRACTURE FILLING
R               MINOR DISSEMINATED PYRITE
R               49.3 - 53.0: FLOODED
/    483   490       1CLS#CLSEPF+F5PB        D FO158   P+P=P3      B+B+
L                           6AQZ   VNFG          VQ155   <+<+
R               LIGHTER GREY, MODERATELY FOLIATED, HIGHLY SILICIFIED CHLOR-SER
R               SCHIST CHARACTERIZED BY HUMP IN BEDROCK.
R               HORNBLENDE PORPHYROBLASTS OCCUR ELONGATED PARALLEL TO FOLIATION.
R               INTENSE RUSTINESS ALONG FRACTURES.
R               QUARTZ AND CHLORITIC? FRAGMENTS THROUGHOUT.
R               QUARTZ VEINS CONTAIN DISS.AND CLOTS OF PY (2-3%) AND CP (1-2%)
R               48.5: 3CM QUARTZ VEIN AT 155 DEGREES
R               END OF TRENCH
A001
AUMM            LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                            ppb   ppm   ppm   ppm   ppm    %     %     %     %
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
R               2.0M CHIP SAMPLES TAKEN EVERY 4M
R     00    20 NO SAMPLE- OVBD
A001  20    40     52366    2.5          23     1    30  1.33  0.52  0.12  2.71
A001  60    80     52367    2.5          17     1    32  1.19  0.41  0.11  2.91
A001 100   120     52368    2.5          56     1    33  1.27  0.23  0.12  2.52
A001 140   160     52369   10.0          29     1    33  1.15  0.16  0.08  2.38
A001 180   200     52370    2.5          21     1    26  1.27  0.16  0.11  1.93
A001 210   233     52371    2.5          18     1    31  0.83  0.26  0.06  2.28
A001 233   253     52372   10.0          25     1    55  0.69  0.74  0.04  3.78
A001 253   273     52373   30.0          10     1    46  0.88  0.90  0.07  3.38
A001 293   313     52374   10.0           9     1    40  0.76  0.77  0.05  2.84
A001 333   353     52375    5.0           6     1    37  0.98  0.84  0.07  2.54
A001 353   373     52376    2.5           7     1    43  1.01  0.89  0.08  2.93
A001 373   393     52377    2.5          38     1    48  1.20  0.30  0.07  3.22
A001 393   413     52378    2.5          56     1    56  0.77  0.19  0.06  3.81
A001 413   433     52379    2.5          63     2   108  1.54  0.41  0.04  7.22
A001 433   453     52380    2.5          55     4    55  0.83  0.45  0.10  3.95
A001 453   473     52381    2.5          47     1    47  1.01  0.32  0.11  3.13
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A001	473	493	52382	2.5		133	2	97	0.92	0.26	0.02	6.84
A001	493	513	52383	2.5		92	1	58	0.79	0.30	0.08	4.27
A001	513	533	52384	2.5		92	1	55	0.79	0.38	0.07	3.64
A003												
AUMM			LNG SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%
R				ppb	ppm	ppm	ppm	ppm	%	%	%	%
ALAB			PDI RESEARCH									
ATYP			GRAB SAMPLES									
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST									
A003	400	400	52385	2.5		8	1	2	0.19	0.00	0.02	0.40
R			QUARTZ BOULDER FROM TILL? FOUND IN BOTTOM OF TRENCH, WHITE									
R			MASSIVE, VUGGY, UNMINERALIZED									
A003	413	413	52430	10.0		218	1	18	2.72	0.24	0.06	3.15
R			10 CM SILICEOUS VEIN CONTAINING IRON CARB. & UP TO 15% DISS.PY									
R			WITH INTENSELY RUSTY CONTACTS									
A003	483	483	52431	20.0		171	1	70	3.08	0.19	0.04	5.62
R			SILICEOUS CHLOR-SERIC. SCHIST HOSTING PART OF A QUARTZ VEIN									
R			WITH ASSOCIATED CLOTS OF PYRITE-CP ABOUT 2-3%									
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A004	20	40	52366	3	0.05	19	81	0.10	80	2	34	2.5
A004	60	80	52367	5	0.05	19	94	0.10	80	2	30	2.5
A004	100	120	52368	1	0.05	22	120	0.10	37	2	41	2.5
A004	140	160	52369	1	0.20	20	83	0.10	22	2	34	2.5
A004	180	200	52370	2	0.10	17	76	0.05	31	2	30	2.5
A004	210	233	52371	5	0.10	16	141	0.05	38	3	39	2.5
A004	233	253	52372	7	0.05	24	192	0.05	60	3	80	2.5
A004	253	273	52373	7	0.05	19	156	0.05	114	3	63	2.5
A004	293	313	52374	2	0.05	19	133	0.05	97	3	57	2.5
A004	333	353	52375	4	0.05	16	127	0.05	116	3	51	2.5
A004	353	373	52376	1	0.05	19	136	0.10	125	3	57	2.5
A004	373	393	52377	1	0.10	25	108	0.10	23	3	51	2.5
A004	393	413	52378	1	0.20	33	237	0.10	23	3	95	2.5
A004	413	433	52379	1	0.50	45	354	0.05	64	4	141	2.5
A004	433	453	52380	1	0.05	31	174	0.05	37	3	83	2.5
A004	453	473	52381	2	0.20	28	143	0.05	31	2	72	2.5
A004	473	493	52382	1	0.50	50	209	0.20	44	5	101	2.5
A004	493	513	52383	1	0.30	34	181	0.10	50	3	78	2.5
A004	513	533	52384	1	0.05	27	112	0.10	44	4	53	2.5
R	GRAB SAMPLES											
A004	400	400	52385	1	0.05	1	312	0.05	3	8	10	2.5
R			QUARTZ BOULDER FROM TILL? FOUND IN BOTTOM OF TRENCH, WHITE									
R			MASSIVE, VUGGY, UNMINERALIZED									
A004	413	413	52430	2	0.05	22	56	0.20	38	6	29	2.5
R			10 CM SILICEOUS VEIN CONTAINING IRON CARB. & UP TO 15% DISS.PY									
R			WITH INTENSELY RUSTY CONTACTS									
A004	483	483	52431	1	0.20	31	188	0.20	29	4	68	2.5
R			SILICEOUS CHLOR-SERIC. SCHIST HOSTING PART OF A QUARTZ VEIN									
R			WITH ASSOCIATED CLOTS OF PYRITE-CP ABOUT 2-3%									
A005												

AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH								
ATYP			CHIP SAMPLES								
AMTH			ICP								
A005	20	40	52366	4	5	6	2.5	2.5	1.5	411	78
A005	60	80	52367	5	5	6	5.0	8.0	1.5	434	83
A005	100	120	52368	2	5	6	2.5	8.0	1.5	445	136
A005	140	160	52369	2	5	5	2.5	6.0	1.5	449	74
A005	180	200	52370	2	5	5	2.5	2.5	1.5	368	80
A005	210	233	52371	3	5	4	2.5	8.0	1.5	431	62
A005	233	253	52372	6	5	6	2.5	11.0	1.5	727	77
A005	253	273	52373	8	5	4	2.5	8.0	1.5	630	95
A005	293	313	52374	6	5	3	5.0	7.0	1.5	546	88
A005	333	353	52375	7	5	3	2.5	7.0	1.5	448	112
A005	353	373	52376	7	5	4	2.5	7.0	1.5	513	124
A005	373	393	52377	2	5	6	2.5	7.0	1.5	587	61
A005	393	413	52378	1	5	13	2.5	9.0	1.5	676	30
A005	413	433	52379	1	11	29	2.5	12.0	1.5	1276	57
A005	433	453	52380	2	5	13	2.5	8.0	1.5	663	32
A005	453	473	52381	2	5	7	2.5	8.0	1.5	574	33
A005	473	493	52382	3	5	20	5.0	8.0	1.5	1325	37
A005	493	513	52383	3	5	13	2.5	9.0	1.5	779	35
A005	513	533	52384	2	5	5	2.5	6.0	1.5	625	41
R	GRAB SAMPLES										
A005	400	400	52385	1	5	1	2.5	10.0	1.5	71	8
R			QUARTZ BOULDER FROM TILL? FOUND IN BOTTOM OF TRENCH, WHITE								
R			MASSIVE, VUGGY, UNMINERALIZED								
A005	413	413	52430	2	5	4	2.5	2.5	1.5	591	97
R			10 CM SILICEOUS VEIN CONTAINING IRON CARB. & UP TO 15% DISS.PY								
R			WITH INTENSELY RUSTY CONTACTS								
A005	483	483	52431	2	5	19	2.5	5.0	1.5	1371	104
R			SILICEOUS CHLOR-SERIC. SCHIST HOSTING PART OF A QUARTZ VEIN								
R			WITH ASSOCIATED CLOTS OF PYRITE-CP ABOUT 2-3%								
A006											

AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR
R				%	%	%	%	ppm	ppm
ALAB			PDI RESEARCH						
ATYP			CHIP SAMPLES						
AMTH			ICP						
A006	20	40	52366	1.87	1.61	0.08	0.18	84.0	2.0
A006	60	80	52367	1.82	1.57	0.09	0.16	80.0	2.0
A006	100	120	52368	2.02	2.00	0.07	0.14	76.0	2.0
A006	140	160	52369	2.08	1.95	0.07	0.15	79.0	2.0
A006	180	200	52370	1.71	1.51	0.08	0.15	70.0	2.0
A006	210	233	52371	1.82	1.80	0.06	0.11	62.0	1.0
A006	233	253	52372	2.93	3.11	0.11	0.14	89.0	1.0
A006	253	273	52373	2.33	2.15	0.13	0.13	62.0	1.0
A006	293	313	52374	1.96	1.83	0.13	0.13	52.0	1.0
A006	333	353	52375	1.87	1.65	0.13	0.14	51.0	2.0
A006	353	373	52376	2.32	2.06	0.12	0.14	62.0	1.0
A006	373	393	52377	2.53	2.56	0.08	0.17	99.0	2.0
A006	393	413	52378	2.75	3.38	0.06	0.09	106.0	1.0
A006	413	433	52379	4.87	5.94	0.07	0.06	225.0	0.5

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A006  433   453     52380   2.87  3.41  0.07  0.12 118.0   2.0
A006  453   473     52381   2.19  2.51  0.07  0.12  82.0   2.0
A006  473   493     52382   3.65  3.80  0.07  0.05 167.0   1.0
A006  493   513     52383   2.97  3.22  0.07  0.12 121.0   3.0
A006  513   533     52384   2.36  2.42  0.09  0.14  89.0   1.0
R       GRAB SAMPLES
A006  400   400     52385   0.06  0.05  0.00  0.00   2.5   1.0
R             QUARTZ BOULDER FROM TILL? FOUND IN BOTTOM OF TRENCH, WHITE
R             MASSIVE, VUGGY, UNMINERALIZED
A006  413   413     52430   0.79  1.41  0.10  0.01  23.0   0.5
R             10 CM SILICEOUS VEIN CONTAINING IRON CARB. & UP TO 15% DISS.PY
R             WITH INTENSELY RUSTY CONTACTS
A006  483   483     52431   2.67  3.51  0.07  0.02 149.0   0.5
R             SILICEOUS CHLOR-SERIC. SCHIST HOSTING PART OF A QUARTZ VEIN
R             WITH ASSOCIATED CLOTS OF PYRITE-CP ABOUT 2-3%
R                TRENCH OVERBURDEN PROFILE SAMPLE DATA
R       SAMPLE/LOCATION  DEPTH    AG     AS     AU     CU     PB     ZN
R                         cm     ppm    ppm    ppb    ppm    ppm    ppm
R
R       TR90-26   0.0MA   40     0.1      9     45     80      3     30
R       TR90-26   0.0MB   80     0.1      2     20     54      4     37
R       TR90-26   0.0MC  150     0.1      3     20     65      4     38
R       TR90-26  10.0MA   30     0.1      4     20     11      5     49
R       TR90-26  10.0MB   90     0.1      1     15     20      3     56
R       TR90-26  10.0MC  175     0.1      3    2.5     27      3     25
R       TR90-26  20.0MA   15     0.1      1     10     51      4     48
R       TR90-26  20.0MB  100     0.2      2     20     77      4     51
R       TR90-26  30.0MA   30     0.2     11    2.5    209      5     67
R       TR90-26  30.0MB  100     0.1      1     10    157      2     47
R       TR90-26  30.0MC  200     0.1      1     90    117      4     85
R       TR90-26  40.0MA   40     0.3      1    2.5    188      7     51
R       TR90-26  40.0MB  100     0.2      1     30    170      4     47
R       TR90-26  40.0MC  180     0.2      6      5    155     10     58
R       TR90-26  50.0MA   20     0.2      6      5     53      3     31
R       TR90-26  50.0MB  120     0.1      1    2.5    124      8     48
/END
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Trench 90-27

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IDEN6B0201V239  TR90-27     25AUG90 MD   LEPKAUG90225    MDGRD  0.0
IPRJ      PDI/GERLE GOLD                       MCCONNELL CK PROPERTY
S000   00   1   MT   10.0  93.5 -15.0                7252.0     9702.0     1460.0
/SCL        MT.2
LSCL                       LCTM
/NAM                                                     CLSESICAEPCCPYCPGLBO
LNAM                                                     LIHEPLMC  BISLMGGD
R               THIS TRENCH WAS DUG TO TEST AN IP ANOMALY AND COINCIDENT VLF
R               CONDUCTOR.
R               BEDROCK OUTCROPS AT WESTERN END ALONG A PROMINENT RIDGE THEN
R               SLOPES DOWN STEEPLY INTO A SWAMP WHERE OVERBURDEN EXCEEDS 3.0 M
R               WATER TABLE AT ABOUT 1.5M DEPTH
/      00    50        AMGNHBPF   BNFG         P FO150   <)P=>+  >+  D)
L                          5AQZ   F3BK                   <+<)      <+
R               MEDIUM GREY, FINE GRAINED,BANDED,WEAK TO MODERATELY FOLIATED
R               AMPHIBOLITE GNEISS.  ABOUT 50-60% MAFICS (MOSTLY FINE GRAIN
R               HORNBLEND WITH OCCASIONAL PORPHYROBLASTS) INTERLOCKED WITH
R               ABOUT 30% PLAGIOCLASE AND QUARTZ GRAINS.
R               BANDED TEXTURE DISPLAYED BY IRREGULAR DISTRIBUTED VEINLETS,
R               LENSES AND FRACTURES OF QUARTZ DIORITE, COMMONLY EPIDOTIZED OR
R               PARTIALY SERICITIZED.
R               QUARTZ VEINLETS AND FRACTURE FILLINGS ARE COMMON THROUGHOUT;
R               MODERATE FRACTURING WITH JOINT SET AT 130 & 55 DEGREES
R               PYRITE OCCURS AS CLOTS AND FRACTURE FILLING ASSOCIATED WITH
R               EPIDOTE AND QUARTZ FILLINGS
R               2.6: 4 CM FAULT GOUGE STRIKING 137 DEGREES, INTENSELY CLAY
R                    ALTERED, RUSTY GREY COLOUR, QUARTZ VEIN TYPE MATERIAL
R                    SAMPLED AS GRAB AT SOUTH END OF FAULT GOUGE
/      50   100        OVBD                    P
R               FLOODED
R               END OF TRENCH
A001
AUMM            LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                            ppb   ppm   ppm   ppm   ppm    %     %     %     %
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
R               2.0M CHIP SAMPLES
A001   00    20      52408   2.5          68     1    27  1.88  0.14  0.16  2.19
A001   20    40      52409   2.5          60     1    25  1.19  0.11  0.10  1.72
A001   40    50      52410   2.5          36     1    28  1.94  0.13  0.15  2.00
R               SAMPLE TAKEN AT ABOUT 45 DEGREES TO TRENCH AXIS OVER 2.0M INTER.
R      50   100 NO SAMPLE- OVBD
A002
AUMM            LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                            ppb   ppm   ppm   ppm   ppm    %     %     %     %
ALAB            PDI RESEARCH
ATYP           STRUCTURE SAMPLES
AMTH            WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A002   26    27      52411   2.5          99     1    56  1.12  0.13  0.06  2.76
R               INTENSELY CLAY ALTERED 4CM FAULT GOUGE, RUSTY, GREY, STRIKING
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R              AT 137 DEGREES
A003
AUMM           LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                           ppb   ppm   ppm   ppm   ppm     %     %     %     %
ALAB           PDI RESEARCH
ATYP         GRAB SAMPLES
AMTH           WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A003   27    27     52412   2.5           15     1    12  1.63  0.06  0.08  1.01
R              QUARTZ VEIN MATERIAL
A004
AUMM                SAMPLE    BI    CD    CO    CR    AG    BA    MO    NI     W
R                           ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB           PDI RESEARCH
ATYP           CHIP SAMPLES
AMTH           ICP
A004   00    20     52408     3  0.05    17    67  0.10    15     3    17   2.5
A004   20    40     52409     1  0.10    12    75  0.05    13     4    10   2.5
A004   40    50     52410     1  0.10    15    66  0.05    14     3    12   2.5
R              SAMPLE TAKEN AT ABOUT 45 DEGREES TO TRENCH AXIS OVER 2.0M INTER.
R      50   100 NO SAMPLE- OVBD
R        STRUCTURE SAMPLES
A004   26    27     52411     3  0.40    26    57  0.10    11     7    24   2.5
R              INTENSELY CLAY ALTERED 4CM FAULT GOUGE, RUSTY, GREY, STRIKING
R              AT 137 DEGREES
R        GRAB SAMPLES
A004   27    27     52412     3  0.05    12    77  0.05     8     3     8   2.5
R              QUARTZ VEIN MATERIAL
A005
AUMM                SAMPLE    LA    TH    SC    AS    SB    HG    MN    SR
R                           ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB           PDI RESEARCH
ATYP           CHIP SAMPLES
AMTH           ICP
A005   00    20     52408     4     5     7   2.5   5.0   1.5   366    51
A005   20    40     52409     3     5     5   5.0   5.0   1.5   343    51
A005   40    50     52410     2     5     7   2.5   2.5   1.5   434    69
R              SAMPLE TAKEN AT ABOUT 45 DEGREES TO TRENCH AXIS OVER 2.0M INTER.
R      50   100 NO SAMPLE- OVBD
R        STRUCTURE SAMPLES
A005   26    27     52411     1     5     6  10.0   5.0   1.5   561    55
R              INTENSELY CLAY ALTERED 4CM FAULT GOUGE, RUSTY, GREY, STRIKING
R              AT 137 DEGREES
R        GRAB SAMPLES
A005   27    27     52412     4     5     3   2.5   2.5   1.5   224    53
R              QUARTZ VEIN MATERIAL
A006
AUMM                SAMPLE   AL%   MG%    P%    TI     V    ZR
R                             %     %     %     %   ppm   ppm
ALAB           PDI RESEARCH
ATYP           CHIP SAMPLES
AMTH           ICP
A006   00    20     52408  1.18  0.70  0.10  0.16  63.0   3.0
A006   20    40     52409  1.26  0.78  0.07  0.11  51.0   3.0
A006   40    50     52410  1.61  0.91  0.07  0.14  68.0   4.0
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R               SAMPLE TAKEN AT ABOUT 45 DEGREES TO TRENCH AXIS OVER 2.0M INTER.
R       50    100 NO SAMPLE- OVBD
R        STRUCTURE SAMPLES
A006    26     27        52411  2.26  1.64  0.07  0.11  66.0   2.0
R               INTENSELY CLAY ALTERED 4CM FAULT GOUGE, RUSTY, GREY, STRIKING
R               AT 137 DEGREES
R        GRAB SAMPLES
A006    27     27        52412  0.90  0.37  0.05  0.09  32.0   2.0
R               QUARTZ VEIN MATERIAL
R                  TRENCH OVERBURDEN PROFILE SAMPLE DATA
R        SAMPLE/LOCATION  DEPTH    AG     AS     AU     CU     PB     ZN
R                          cm      ppm    ppm    ppb    ppm    ppm    ppm
R
R        TR90-27   5.0MA    50     0.1     7    2.5     32      6     45
R        TR90-27   5.0MB   100     0.1     7    2.5     37      3     41
R        TR90-27   5.0MC   150     0.2     4    2.5     52      6     93
/END
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Trench 90-28

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IDEN6B0201V239  TR90-28     25AUG90 MD   LEPKAUG90225    MDGRD  0.0
IPRJ      PDI/GERLE GOLD                        MCCONNELL CK PROPERTY
S000   00   200 MT   46.0  89.5  -3.0               7152.0    9710.0    1460.0
S001  200   260      46.0  89.5 -30.0
S002  260   460      46.0  89.5   0.0
/SCL        MT.2
LSCL                      LCTM
/NAM                                                   CLSESICAEPCCPYCPGLBO
LNAM                                                   LIHEPLMC  BISLMGGD
R                THIS TRENCH WAS DUG TO TEST AN IP ANOMALY AND COINCIDENT VLF
R                CONDUCTOR
R                OVBD DEPTH VARIES FROM 1.5 TO 2.5M CONSISTING MOSTLY OF TILL
R                OVERLYING ABOUT 1.0M OF WEATHERED ROCK.  BEDROCK SLOPES DOWN
R                STEEPLY WITH VERY ERRATICLY UNDULATINGBOTTOM IN UPPER HALF
R                WHERE ROCK SLIGHTLY OUTCROPS ALONG A PROMINENT RIDGE.  BEDROCK
R                IN LOWER HALF SLOPES DOWN INTO A SWAMP.
/      00    12       AMGNHBPFKF)BNFG        P FO140   <)P=>+  >+  B+D.
L                          5AQZ   F3VN    3 5           <+<)  Q.  <+
R                MEDIUM GREY, FINE GRAINED, BANDED AND WEAKLY FOLIATED
R                AMPHIBOLITE GNEISS.  ABOUT 50-60% MAFICS (MOSTLY FINE GRAINED
R                HORNBLEND WITH OCCASIONAL PORPHYROBLASTS) INTERLOCKED WITH
R                ABOUT 30% PLAGIOCLASE AND QUARTZ GRAINS.
R                BANDED TEXTURE DISPLAYED BY IRREGULARLY DISTRIBUTED VEINLETS,
R                LENSES AND FRACTURE FILLINGS OF QUARTZ DIORITE, COMMONLY EPIDO-
R                TIZED OR PARTIALY SERICTIZED.
R                QUARTZ VEINLETS AND FRACTURE FILLINGS ARE COMMON THROUGHOUT.
R                MODERATE FRACTURING WITH JOINT SET AT 160 DEGREES AND 70 DEGREES
R                PYRITE OCCURS AS CLOTS AND FRACTURE FILLINGS ASSOCIATED WITH
R                EPIDOTE AND QUARTZ FILLINGS .
R                TRACES OF CP CLOTS AND PATCHES (SPOTS) OF MALACHITE.
R                0.1 - 1.1: 1.0 M WIDE PINKISH-WHITE QUARTZ VEIN? COMPOSED OF
R                           COARSE CRYSTALLINE SIDERITE-ANKERITE OR K-SPAR/ AND
R                           LESSER QUARTZ. BRITTLE FRACTURING, SOME HEMITITE
R                           STAINING, VUGGY IN PLACES, SOME CHLORITIC FRAGMENTS,
R                           <1% DISSEMINATED PYRITE,STRIKING 135 DEGREES, DIPPING
R                           70 DEGREES NORTHEAST.
/      12    28       CLS#CLQZPF)SCVN        P S#145   P8P)V1<+    D)
L                          UGSE   S7      2 8             <+<+
R                BROWNISH-GREEN, INTENSELY SHEARED CHLORITIC (CARBONATE) SCHIST
R                HOSTING 10-15CM QUARTZ VEINS.
R                SCHISTOSITY STRIKING ABOUT 145 DEGREES AND DIPPING STEEPLY NE
R                MINOR SERICITIC ALTERATION OF PLAGIOCLASE AND MINOR CARBONATE
R                FRACTURE FILLING.
R                QUARTZ VEINLETS AND LENSES THROUGHOUT; HEMITITE STAINED AND
R                LOCALLY VUGGY.
R                ABOUT 1% DISSEMINATED PYRITE IN QUARTZE VEINS
R                0.7: 15CM QUARTZ VEIN PARALLEL TO SCHISTOSITY, CONTAINING IRON
R                     CARBONATE, FUCSHITE AND CHLORITIC FRAGMENTS
R                1.2: 10CM QUARTZ VEIN SIMILAR TO PREVIOUS ONE
/      28   278       AMGNHBPFKF)BNFG        P FO140   <)P=>+  >+  B+D.
L                          5AQZ   F3BK                  <+<)  Q.  <+
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R              MEDIUM GREY, FINE GRAINED, MASSIVE, BLOCKY AMPHIBOLITE GNEISS
R              CHARACTERIZED BY BANDING AND WEAK FOLIATION SIMILAR TO
R              INTERVAL 0.0 - 1.2M
R              20.0 - 26.0: STEEP DROP IN BEDROCK DOWN TO SWAMP LEVEL
R              24.0       : 20 CM QUARTZ VEIN STRIKING 115 DEGREES AND DIPPING
R                           ABOUT 60 DEGREES SOUTHWEST <1% DISS.,EUHEDRAL PY
R              26.0 - 27.8: INCREASED QUARTZ-DIORITE AND QUARTZ MONZONITE BANDS
R                           SEAMS AND DYKES AS WELL AS INCREASING FOLIATION,IN
R                           PROXIMITY OF  CONTACT.
/     278   460      QZMZFXQZPF1MXBK       P          O)O)       D*
L                        TWHBBI+MG                    <)         O)
R              TAN-WHITE, FRESH, MASSIVE, BLOCKY, MEDIUM GRAINED QUARTZ
R              MONZONITE DISPLAYING SHARP CONTACT WITH AMPHIBOLITE GNEISS.
R              VERY WEAKLY ALTERED, MODERATELY FRACTURED WITH JOINT SET AT
R              120 DEGREES AND 30 DEGREES.
R              ABOUT 10-15% MAFICS (HORNBLENDE WITH LESSER BIOTITE) INTERLOCKED
R              WITH EQUIGRANULAR FELDSPAR AND QUARTZ X-TALS; <1% DISS. PYRITE.
R              36.0 - 46.0: FLOODED
R              END OF TRENCH
A001
AUMM           LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                           ppb   ppm   ppm   ppm   ppm    %     %     %     %
ALAB           PDI RESEARCH
ATYP           CHIP SAMPLES
AMTH           WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
R              2.0M CHIP SAMPLES
A001   00    11     52386   2.5          13     1     9  0.41  0.12  0.13  0.71
R              QUARTZ VEIN
A001   11    28     52387   2.5          75     4    58  2.96  0.65  0.04  4.58
R              CHLORITE SCHIST WITH 2 NARROW QUARTZ VEINS
A001   28    48     52388   2.5          62     1    36  1.11  0.16  0.07  2.72
A001   48    68     52389   2.5          68     1    38  1.29  0.19  0.11  2.80
A001   68    88     52390  10.0          69     1    65  1.15  0.45  0.08  3.73
A001   88   108     52391   2.5          67     1    41  1.03  0.17  0.07  2.44
A001  108   128     52392   2.5          28     1    60  1.14  0.48  0.10  3.64
A001  128   148     52393   2.5          48     1    41  1.19  0.23  0.12  2.24
A001  148   168     52394   2.5          39     1    39  1.14  0.20  0.12  2.24
A001  168   188     52395   2.5          39     1    44  1.07  0.28  0.11  2.20
A001  188   208     52396   2.5          26     1    53  1.20  0.30  0.11  2.69
A001  208   228     52397   2.5          48     1    98  0.69  0.47  0.07  3.37
A001  228   240     52398   2.5          45     1    39  1.32  0.31  0.15  2.41
A001  240   260     52399 205.0          43     1    41  0.92  0.44  0.11  2.66
A001  260   278     52400   2.5          40     1    37  1.20  0.41  0.13  1.99
R              CONTACT WITH QUARTZ MONZONITE AT 27.8M
A001  278   300     52401   2.5          14     1    24  0.39  0.21  0.08  1.06
A001  300   320     52402   2.5          12     2    40  0.45  0.33  0.07  1.48
A001  340   360     52403   2.5           7     1    25  0.30  0.33  0.05  1.22
A002
AUMM           LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                           ppb   ppm   ppm   ppm   ppm    %     %     %     %
ALAB           PDI RESEARCH
ATYP          STRUCTURE SAMPLES
AMTH           WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A002   00    01     52404   2.5          28     2     6  1.90  0.04  0.11  0.59
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R                1.0M WIDE QUARTZ VEIN, WHITE, BRITTLE, FRACTURED, HEMATITE
R                STAINING, VUGGY, CHLORITIC FRAGMENTS, <1% DISSEMINATED PYRITE,
R                STRIKING 135 DEGREES, SAMPLED OVER 1.8 M.
A002   19    20       52405 330.0          34     2    13  4.59  0.14  0.06  1.40
R                15CM QUARTZ VEIN SAMPLED INTERMITTENTLY ALONG STRIKE FOR 1.5M;
R                BRITTLE, BROWNISH-WHITE, VUGGY, CONTAINS IRON CARBONATE,
R                FUSCHITE
A002   24    25       52406   2.5           3     7    25 19.63  0.13  0.01  2.65
R                10CM QUARTZ VEIN SAMPLED ALONG 1.5M STRIKE
A002  240   242       52407  15.0          10     3     6  0.25  0.16  0.10  0.51
R                20CM QUARTZ VEIN, STRIKING 105 DEGREES, DIPPING 50 DEGREES
R                SOUTH. SAMPLED ALONG 2.0M STRIKE
A003
AUMM             LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                             ppb   ppm   ppm   ppm   ppm     %     %     %     %
ALAB             PDI RESEARCH
ATYP           GRAB SAMPLES
AMTH             WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A003  128   128       52432  15.0         287     1    51  1.68  0.29  0.08  4.05
R                EPIDOTIZED BANDS AND QUARTZ VEINLETS HOSTED BY AMPHIBOLITE
R                GNEISS AND HOSTING 1-2% CLOTS OF PYRITE AND LESSER CP, SPOTS
R                OF MALACHITE
A004
AUMM                 SAMPLE    BI    CD    CO    CR    AG    BA    MO    NI     W
R                             ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             ICP
A004   00    11       52386     2  0.10     5   139  0.05    21     3    15   2.5
R                QUARTZ VEIN
A004   11    28       52387     1  0.10    33   288  0.10    48     4   107   2.5
R                CHLORITE SCHIST WITH 2 NARROW QUARTZ VEINS
A004   28    48       52388     1  0.05    25   193  0.05    27     4    87   2.5
A004   48    68       52389     1  0.05    23   118  0.05    27     2    51   2.5
A004   68    88       52390     1  0.10    25    80  0.10    47     4    33   2.5
A004   88   108       52391     3  0.05    20    87  0.05    23     3    37   2.5
A004  108   128       52392     3  0.30    26   197  0.05    50     3    63  52.0
A004  128   148       52393     1  0.10    20    88  0.05    43     4    29   2.5
A004  148   168       52394     1  0.05    17    91  0.05    37     2    29   2.5
A004  168   188       52395     1  0.10    17   108  0.05    36     5    42   2.5
A004  188   208       52396     1  0.05    22   116  0.05    34     2    44   2.5
A004  208   228       52397     1  0.10    21   133  0.10    46     3    46   2.5
A004  228   240       52398     1  0.10    21   113  0.10    43     3    49   2.5
A004  240   260       52399     2  0.20    17   143  0.05    55     2    51   2.5
A004  260   278       52400     4  0.05    16   127  0.05    41     3    51   2.5
R                CONTACT WITH QUARTZ MONZONITE AT 27.8M
A004  278   300       52401     1  0.05     4    84  0.05    31     3     4   2.5
A004  300   320       52402     1  0.05     5    89  0.05    45     3     9   2.5
A004  340   360       52403     7  0.20     4    85  0.05    42     3     6   2.5
R           STRUCTURE SAMPLES
A004   00    01       52404     6  0.05     5   158  0.05    10     4    14   2.5
R                1.0M WIDE QUARTZ VEIN, WHITE, BRITTLE, FRACTURED, HEMATITE
R                STAINING, VUGGY, CHLORITIC FRAGMENTS, <1% DISSEMINATED PYRITE,
R                STRIKING 135 DEGREES, SAMPLED OVER 1.8 M.
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A004   19    20      52405     1  0.05    13   137  0.05    27     4    26   2.5
R                 15CM QUARTZ VEIN SAMPLED INTERMITTENTLY ALONG STRIKE FOR 1.5M;
R                 BRITTLE, BROWNISH-WHITE, VUGGY, CONTAINS IRON CARBONATE,
R                 FUSCHITE
A004   24    25      52406     2  0.05    17   110  0.05    15     6    40   2.5
R                 10CM QUARTZ VEIN SAMPLED ALONG 1.5M STRIKE
A004  240   242      52407     6  0.05     3    98  0.05    29     3     6   2.5
R                 20CM QUARTZ VEIN, STRIKING 105 DEGREES, DIPPING 50 DEGREES
R                 SOUTH. SAMPLED ALONG 2.0M STRIKE
R          GRAB SAMPLES
A004  128   128      52432     4  0.10    38    78  0.10    41     2    25   2.5
R                 EPIDOTIZED BANDS AND QUARTZ VEINLETS HOSTED BY AMPHIBOLITE
R                 GNEISS AND HOSTING 1-2% CLOTS OF PYRITE AND LESSER CP, SPOTS
R                 OF MALACHITE
A005
AUMM                   SAMPLE    LA    TH    SC    AS    SB    HG    MN    SR
R                               ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB              PDI RESEARCH
ATYP              CHIP SAMPLES
AMTH              ICP
A005   00    11      52386     2     5     1   2.5   7.0   1.5   152    35
R                 QUARTZ VEIN
A005   11    28      52387     3     5    17   2.5   8.0   1.5  1019    68
R                 CHLORITE SCHIST WITH 2 NARROW QUARTZ VEINS
A005   28    48      52388     1     5     7   2.5   7.0   1.5   427    51
A005   48    68      52389     1     5     7   2.5   6.0   1.5   506    51
A005   68    88      52390     2     5     5   2.5   6.0   1.5   750    55
A005   88   108      52391     2     5     4   2.5   7.0   3.0   491    40
A005  108   128      52392     4     5    10  11.0  12.0   4.0   761    67
A005  128   148      52393     3     5     5   2.5   8.0   3.0   445    98
A005  148   168      52394     2     5     4   2.5   6.0   3.0   468    83
A005  168   188      52395     2     5     5   2.5   8.0   1.5   497    61
A005  188   208      52396     3     5     5   2.5   8.0   1.5   600    90
A005  208   228      52397     2     5     4   2.5   9.0   1.5   882    57
A005  228   240      52398     2     5     7   2.5   5.0   1.5   509    42
A005  240   260      52399     4     5     6   7.0   8.0   3.0   635    42
A005  260   278      52400     3     5     5   2.5   8.0   1.5   476    62
R                 CONTACT WITH QUARTZ MONZONITE AT 27.8M
A005  278   300      52401     4     5     1   2.5   2.5   1.5   303    83
A005  300   320      52402     4     5     1   2.5   5.0   1.5   618    90
A005  340   360      52403     4     5     1   2.5   2.5   1.5   249    54
R          STRUCTURE SAMPLES
A005   00    01      52404     3     5     1   2.5   6.0   1.5   234    30
R                 1.0M WIDE QUARTZ VEIN, WHITE, BRITTLE, FRACTURED, HEMATITE
R                 STAINING, VUGGY, CHLORITIC FRAGMENTS, <1% DISSEMINATED PYRITE,
R                 STRIKING 135 DEGREES, SAMPLED OVER 1.8 M.
A005   19    20      52405     1     5     3   2.5   6.0   1.5   833    80
R                 15CM QUARTZ VEIN SAMPLED INTERMITTENTLY ALONG STRIKE FOR 1.5M;
R                 BRITTLE, BROWNISH-WHITE, VUGGY, CONTAINS IRON CARBONATE,
R                 FUSCHITE
A005   24    25      52406     2     5    15   2.5   5.0   1.5  2665   530
R                 10CM QUARTZ VEIN SAMPLED ALONG 1.5M STRIKE
A005  240   242      52407     2     5     1   2.5   5.0   1.5   144    16
R                 20CM QUARTZ VEIN, STRIKING 105 DEGREES, DIPPING 50 DEGREES
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R              SOUTH. SAMPLED ALONG 2.0M STRIKE
R         GRAB SAMPLES
A005  128   128      52432     5     5     3   7.0   8.0   4.0   569   166
R              EPIDOTIZED BANDS AND QUARTZ VEINLETS HOSTED BY AMPHIBOLITE
R              GNEISS AND HOSTING 1-2% CLOTS OF PYRITE AND LESSER CP, SPOTS
R              OF MALACHITE
A006
AUMM                SAMPLE   AL%   MG%    P%    TI     V    ZR
R                              %     %     %     %   ppm   ppm
ALAB           PDI RESEARCH
ATYP           CHIP SAMPLES
AMTH           ICP
A006   00    11      52386  0.63  0.46  0.00  0.02  15.0   1.0
R              QUARTZ VEIN
A006   11    28      52387  3.49  3.92  0.04  0.08 119.0   1.0
R              CHLORITE SCHIST WITH 2 NARROW QUARTZ VEINS
A006   28    48      52388  2.11  2.78  0.05  0.11  66.0   2.0
A006   48    68      52389  2.14  2.30  0.08  0.14  76.0   2.0
A006   68    88      52390  2.45  2.24  0.09  0.15  85.0   1.0
A006   88   108      52391  1.80  1.76  0.08  0.11  60.0   1.0
A006  108   128      52392  2.69  2.70  0.08  0.13  98.0   2.0
A006  128   148      52393  1.56  1.38  0.10  0.13  59.0   2.0
A006  148   168      52394  1.48  1.31  0.10  0.13  61.0   2.0
A006  168   188      52395  1.57  1.66  0.08  0.12  57.0   2.0
A006  188   208      52396  2.01  1.94  0.09  0.15  72.0   2.0
A006  208   228      52397  2.26  2.25  0.06  0.14  80.0   2.0
A006  228   240      52398  1.78  1.95  0.08  0.12  69.0   2.0
A006  240   260      52399  1.62  1.61  0.08  0.08  59.0   2.0
A006  260   278      52400  1.39  1.51  0.06  0.12  54.0   3.0
R              CONTACT WITH QUARTZ MONZONITE AT 27.8M
A006  278   300      52401  0.57  0.23  0.04  0.05  23.0   1.0
A006  300   320      52402  0.90  0.42  0.06  0.03  26.0   1.0
A006  340   360      52403  0.79  0.30  0.05  0.02  22.0   1.0
R         STRUCTURE SAMPLES
A006   00    01      52404  0.44  0.31  0.00  0.02  11.0   1.0
R              1.0M WIDE QUARTZ VEIN, WHITE, BRITTLE, FRACTURED, HEMATITE
R              STAINING, VUGGY, CHLORITIC FRAGMENTS, <1% DISSEMINATED PYRITE,
R              STRIKING 135 DEGREES, SAMPLED OVER 1.8 M.
A006   19    20      52405  0.73  0.84  0.02  0.00  19.0   1.0
R              15CM QUARTZ VEIN SAMPLED INTERMITTENTLY ALONG STRIKE FOR 1.5M;
R              BRITTLE, BROWNISH-WHITE, VUGGY, CONTAINS IRON CARBONATE,
R              FUSCHITE
A006   24    25      52406  1.15  1.63  0.02  0.01  27.0   0.5
R              10CM QUARTZ VEIN SAMPLED ALONG 1.5M STRIKE
A006  240   242      52407  0.37  0.16  0.02  0.01   7.0   1.0
R              20CM QUARTZ VEIN, STRIKING 105 DEGREES, DIPPING 50 DEGREES
R              SOUTH. SAMPLED ALONG 2.0M STRIKE
R         GRAB SAMPLES
A006  128   128      52432  1.95  1.49  0.16  0.22  97.0   3.0
R              EPIDOTIZED BANDS AND QUARTZ VEINLETS HOSTED BY AMPHIBOLITE
R              GNEISS AND HOSTING 1-2% CLOTS OF PYRITE AND LESSER CP, SPOTS
R              OF MALACHITE
R                 TRENCH OVERBURDEN PROFILE SAMPLE DATA
R        SAMPLE/LOCATION  DEPTH    AG    AS    AU    CU    PB    ZN
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R			cm	ppm	ppm	ppb	ppm	ppm	ppm
R									
R	TR90-28	0.0MA	30	0.3	4	30	49	6	67
R	TR90-28	0.0MB	70	0.4	2	90	133	12	103
R	TR90-28	0.0MC	150	0.3	4	2.5	109	6	89
R	TR90-28	10.0MA	20	0.3	2	2.5	58	4	101
R	TR90-28	10.0MB	60	0.2	8	35	73	5	54
R	TR90-28	10.0MC	120	0.2	1	15	65	4	54
R	TR90-28	20.0MA	20	0.3	1	10	44	3	65
R	TR90-28	20.0MB	60	0.2	1	100	74	4	78
R	TR90-28	30.0MA	40	0.3	1	2.5	39	3	66
R	TR90-28	30.0MB	100	0.2	3	30	53	6	72
R	TR90-28	30.0MC	230	0.2	1	40	81	4	73
R	TR90-28	40.0MA	40	0.5	1	2.5	34	4	139
R	TR90-28	40.0MB	100	0.2	5	2.5	20	4	40
R	TR90-28	40.0MC	150	0.3	1	20	51	5	146

/END

Trench 90-29

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IDEN6B0201V239  TR90-29     26AUG90 MD NMLEPKAUG90225    MDGRD  0.0
IPRJ      PDI/GERLE GOLD                       MCCONNELL CK PROPERTY
S000   00   235 MT   23.5 101.5   5.0                 7360.0   10106.     1480.0
/SCL       MT.2
LSCL                     LCTM
/NAM                                                    CLSESICAEPCCPYCPGLBO
LNAM                                                    LIHEPLMC  BISLMGGD
R               THIS TRENCH WAS EXCAVATED TO TEST A STRONG VLF CONDUCTOR AND
R               POSSIBLY AN EXTENSION OF A CHLORITE SCHIST ZONE
R               OVBD DEPTH AVERAGES 3.0M; WATER TABLE AT 2.0M; TRENCH LOCATED
R               ON EDGE OF SWAMP, JUST SOUTH OF OLD '84 DDH
R               OVBD CONSISTS OF BOULDERY TILL WHICH DISPLAYS A VERY RUSTY,
R               WATER LAIN CHANNEL WHICH COULD EFECTIVELY EXPLAIN THE VLF
R               CONDUCTOR; BEDROCK SLOPES GENTLY FROM WEST TO EAST; TRENCH
R               TOTALLY FLOODED, MAPPED FROM FRAGMENTS OF MUCK PILE
/      00   235        QZMZPFKFQZ MXBK        P          O)P+    Q)  D.
L                        TAHBBI MG                       C)        O+  D*
R               TAN-GRAY, MASSIVE, BLOCKY, WEAKLY ALTERED MEDIUM GRAINED
R               QUARTZ-MONZONITGE;
R               TRACES OF PYRITE.
R               ABOUT 1% DISSENINATED MAGNETITE
R               END OF TRENCH
A003
AUMM            LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                            ppb   ppm   ppm   ppm   ppm     %     %     %     %
ALAB            PDI RESEARCH
ATYP          GRAB SAMPLES
AMTH            WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A003  00    235      52433   2.5            3     1    30  0.49  0.21  0.12  1.36
R               GRABS TAKEN FROM MUCK PILE
R               END OF TRENCH
A004
AUMM                SAMPLE    BI    CD    CO    CR    AG    BA    MO    NI     W
R                            ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            ICP
A004  00    235      52433     5  0.05     5   105  0.05    44     3     6   2.5
R               GRABS TAKEN FROM MUCK PILE
A005
AUMM                SAMPLE    LA    TH    SC    AS    SB    HG    MN    SR
R                            ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            ICP
A005  00    235      52433     5     5     1   2.5   2.5   1.5   344   108
R               GRABS TAKEN FROM MUCK PILE
A006
AUMM                SAMPLE   AL%   MG%    P%    TI     V    ZR
R                              %     %     %     %   ppm   ppm
ALAB            PDI RESEARCH
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ATYP            CHIP SAMPLES
AMTH            ICP
A006  00    235      52433  0.61  0.29  0.04  0.07  32.0   2.0
R               GRABS TAKEN FROM MUCK PILE
/END
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Trench 90-30

```
IDEN6B0201V239  TR90-30     25AUG90 MD   LEPKAUG90225    MDGRD  0.0
IPRJ      PDI/GERLE GOLD                        MCCONNELL CK PROPERTY
S000   00    100 MT    63.0  92.5  10.0                 7457.0    9480.0    1450.0
S001  100    400       63.0  75.5  10.0
S002  40     630       63.0  75.5   6.0
/SCL         MT.2
LSCL                         LCTM
/NAM                                                          CLSESICAEPCCPYCPGLBO
LNAM                                                          LIHEPLMC  BISLMGGD
R               THIS TRENCH WAS DUG TO TEST THE EXTENSION OF A QUARTZ-BEARING
R               CHLORITE SCHIST ZONE ENCOUNTERED IN DDH90-4.
R               OVBD DEPTH VARIES FROM 2.3 TO 3.3M CONSISTING OF NARROW B2
R               HORIZON OVERLYING >2.0M TILL.
R               BEDROCK SLOPES GENTLY UPWARDS FROM SOUTHWEST TO NORTHEAST,
R               WEATHERING PENETRATES OVER 0.5M.
R               TRENCH WAS SERIOUSLY SLUFFED IN BY MUD FLOWS DUE TO STEADY
R               WATER SEEPAGE; ONLY MUCKED OUT SELECTIVE AREAS
/      00    90        OVBD                 P
/      90   630        AMGNHBPFBI+F5PB      P FO150   <+P=>+  >=  D)D.
L                          4AQZ   FGBN        VQ168   <)
R               DARKER GREY, MODERATLY FOLIATED, PORPHYROBLASTIC (HORNBLENDE)
R               AMPHIBOLITE GNEISS.  FINE GRAINED ROCK WITH ABOUT 60-70% MAFICS
R               (HORNBLEND), LESSER PLAGIOCLASE QUARTZ AND ABOUT 10-15%
R               HORNBLEND PORPHYROBLASTS (3-8MM WIDE, SUB-ROUNDED).
R               ROCK CUT BY SEAMS, FRACTURES AND VEINLETS OF QUARTZ, EPIDOT,
R               PLAGIOCLASE.
R               QUARTZ VEINS AND CHLORITIC SCHIST ZONES OCCUR SELECTIVELY BUT
R               APPEAR UNMINERALIZED; ALSO FRESH MASSIVE QUARTZ-MONZONITE DYKES.
R               ALTERATION IS WEAK AND CONSISTS OF PARTIAL CHLOR. OF MAFICS,
R               PARTIAL SERIC. AND EPIDOT.OF PLAGIOCLASE; BIOTITE ALSO
R               OCCURS AS SECONDARY MINERAL.
R               PYRITE OCCURS AS ABOUT 1% DISS.,CLOTS AND FRACTURE FILLINGS
R               ASSOCIATED WITH ALTERATION PATCHES.  TRACES OF CHALCOPYRITE.
R               9.0 - 12.0M : INCREASED FOLIATION WITH NUMEROUS PARALLEL SEAMS
R                             HEALED BY PLAGIOCLASE-EPIDOTE-QUARTZ
R               17.7 - 19.0M: 1.0M WIDE QUARTZ VEIN, WHITE, BRITTLE,
R                             UNMINERALIZED; STRIKING 168 DEGREES, CONTACTS ARE
R                             SHARP
R               23.0 - 26.0M: 1.0M WIDE, MEDIUM GRAINED, FRESH, MASSIVE
R                             QUARTZ DIORITE? DYKE? STRIKING ABOUT 45 DEGREES,
R                             SUB-PARALLEL TO TRENCH
R               36.0 - 45.0M: INCREASE PYRITE CONTENT WITH RUSTY FRACUTRES AND
R                             PATCHES OCCURING THROUGHOUT
R               46.1 - 46.9M: 0.8M WIDE, RUSTY CHLORITIC SCHIST HOSTING A 2CM
R                             WIDE QUARTZ VEIN (PARALLEL TO SCHIST), BARREN
R               END OF TRENCH
A001
AUMM            LNG SAMPLE   AU1     AU     CU     PB     ZN     CA     K%    NA%    FE%
R                            ppb    ppm    ppm    ppm    ppm     %      %      %      %
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
```

AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST									
R			INTERMITTENT CHIP SAMPLES AVERAGING 2.0M WIDTHS									
R	00	90	NO SAMPLES- OVBD									
A001	90	110	52413	2.5		106	1	39	1.51	0.31	0.12	3.29
A001	157	177	52414	10.0		43	1	27	1.10	0.17	0.10	2.08
A001	177	190	52415	2.5		16	1	4	0.23	0.02	0.07	0.47
R			ABOUT 1.0M WIDE QUARTZ VEIN STRIKING 168 DEGREES									
A001	190	207	52416	2.5		46	1	44	1.10	0.40	0.13	2.93
A001	220	245	52417	15.0		51	1	31	1.12	0.14	0.12	2.24
A001	245	258	52418	2.5		15	2	12	0.63	0.08	0.13	0.72
R			QUARTZ DIORITE DYKE STRIKING ABOUT 45 DEGREES									
A001	294	318	52419	2.5		43	3	24	1.12	0.11	0.07	1.83
A001	376	388	52420	2.5		50	1	36	1.31	0.16	0.10	2.87
A001	425	438	52421	2.5		75	1	41	0.99	0.15	0.07	2.77
A001	452	461	52422	2.5		68	1	29	1.20	0.17	0.13	2.50
A001	461	469	52423	10.0		90	1	60	3.95	0.29	0.05	5.40
R			RUSTY, CHLORITIC SCHIST ZONE									
A001	469	485	52424	15.0		77	1	23	2.06	0.15	0.28	2.07
A001	504	530	52425	2.5		45	2	22	1.64	0.14	0.21	2.05
A003												
AUMM			LNG SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%
R				ppb	ppm	ppm	ppm	ppm	%	%	%	%
ALAB			PDI RESEARCH									
ATYP			GRAB SAMPLES									
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST									
A003	320	320	52426	2.5		274	1	28	1.27	0.12	0.12	2.72
R			AMPHIBOLITE GNEISS WITH QUARTZ-DIORITE BANDS,									
R			RUSTY, DISS.,CLOTS AND FRACTURE FILLING PYRITE 3-5%									
A003	430	430	52427	2.5		76	1	60	8.42	0.28	0.02	4.59
R			GRAB FROM MUCK PILE; WEAKLY FOLIATED HORNFELS? WITH ABOUT 2-3%									
R			QUARTZ PODS WITH DISSEMINATE AND CLOTS OF PYRITE 3.4%									
A003	500	500	52428	5.0		273	1	31	1.86	0.28	0.22	3.78
R			GRAB FROM MUCK PILE; AMPHIBOLITE GNEISS HOSTING A NARROW									
R			QUARTZ SEAM WITH ABOUT 10% FRACTURE FILLING PYRITE; ALSO									
R			CONTAINS A PORTION OF AN EPIDOTIZED BAND WITH ABOUT 10%									
R			DISSEMINATED EUHEDRAL PYRITE									
A003	530	530	52429	5.0		41	1	33	1.28	0.33	0.12	2.72
R			GRAB FROM MUCK PILE; GRAINY AMPHIBOLITE GNEISS CHARACTERIZED BY									
R			ABOUT 5-10% HORNBLEND PORPHYROBLASTS AND 2-5MM WIDE, PARALLEL									
R			EPIDOTE SEAMS OCCASIONALY HOSTING MINOR DISSEMINATED EUHEDRAL PY									
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A004	90	110	52413	1	0.10	27	92	0.20	25	2	38	2.5
A004	157	177	52414	1	0.05	16	93	0.10	22	2	33	2.5
A004	177	190	52415	6	0.05	3	156	0.05	8	4	8	2.5
R			ABOUT 1.0M WIDE QUARTZ VEIN STRIKING 168 DEGREES									
A004	190	207	52416	2	0.05	19	114	0.10	56	3	33	2.5
A004	220	245	52417	3	0.10	20	129	0.10	40	3	43	2.5
A004	245	258	52418	1	0.10	7	71	0.05	43	2	16	2.5
R			QUARTZ DIORITE DYKE STRIKING ABOUT 45 DEGREES									

A004	294	318	52419	3	0.10	15	99	0.05	26	2	38	2.5
A004	376	388	52420	2	0.10	21	66	0.10	29	2	19	2.5
A004	425	438	52421	6	0.30	24	100	0.10	21	2	52	2.5
A004	452	461	52422	2	0.05	20	113	0.10	31	4	45	2.5
A004	461	469	52423	1	0.40	32	230	0.10	29	5	109	2.5
R			RUSTY, CHLORITIC SCHIST ZONE									
A004	469	485	52424	2	0.05	23	124	0.10	35	3	48	2.5
A004	504	530	52425	1	0.05	20	127	0.05	34	7	43	2.5
R		GRAB SAMPLES										
A004	320	320	52426	1	0.30	35	124	0.20	13	3	61	2.5
R			AMPHIBOLITE GNEISS WITH QUARTZ-DIORITE BANDS,									
R			RUSTY, DISS.,CLOTS AND FRACTURE FILLING PYRITE 3-5%									
A004	430	430	52427	1	0.05	27	311	0.05	13	3	99	2.5
R			GRAB FROM MUCK PILE; WEAKLY FOLIATED HORNFELS? WITH ABOUT 2-3%									
R			QUARTZ PODS WITH DISSEMINATE AND CLOTS OF PYRITE 3.4%									
A004	500	500	52428	1	0.05	33	60	0.10	54	85	23	2.5
R			GRAB FROM MUCK PILE; AMPHIBOLITE GNEISS HOSTING A NARROW									
R			QUARTZ SEAM WITH ABOUT 10% FRACTURE FILLING PYRITE; ALSO									
R			CONTAINS A PORTION OF AN EPIDOTIZED BAND WITH ABOUT 10%									
R			DISSEMINATED EUHEDRAL PYRITE									
A004	530	530	52429	4	0.05	27	85	0.05	50	40	48	2.5
R			GRAB FROM MUCK PILE; GRAINY AMPHIBOLITE GNEISS CHARACTERIZED BY									
R			ABOUT 5-10% HORNBLEND PORPHYROBLASTS AND 2-5MM WIDE, PARALLEL									
R			EPIDOTE SEAMS OCCASIONALY HOSTING MINOR DISSEMINATED EUHEDRAL PY									
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A005	90	110	52413	1	5	8	5.0	6.0	3.0	468	43	
A005	157	177	52414	2	5	5	2.5	5.0	1.5	318	37	
A005	177	190	52415	1	5	1	2.5	6.0	1.5	68	23	
R			ABOUT 1.0M WIDE QUARTZ VEIN STRIKING 168 DEGREES									
A005	190	207	52416	1	5	6	2.5	5.0	1.5	407	46	
A005	220	245	52417	2	5	4	2.5	7.0	1.5	409	147	
A005	245	258	52418	2	5	1	2.5	5.0	1.5	141	151	
R			QUARTZ DIORITE DYKE STRIKING ABOUT 45 DEGREES									
A005	294	318	52419	2	5	4	2.5	2.5	1.5	317	57	
A005	376	388	52420	3	5	6	6.0	6.0	1.5	491	98	
A005	425	438	52421	1	5	4	8.0	9.0	3.0	378	85	
A005	452	461	52422	1	5	6	5.0	7.0	1.5	406	95	
A005	461	469	52423	1	5	11	6.0	10.0	4.0	974	89	
R			RUSTY, CHLORITIC SCHIST ZONE									
A005	469	485	52424	2	5	5	2.5	5.0	1.5	324	142	
A005	504	530	52425	1	5	5	2.5	5.0	1.5	305	103	
R		GRAB SAMPLES										
A005	320	320	52426	2	5	6	6.0	9.0	1.5	335	41	
R			AMPHIBOLITE GNEISS WITH QUARTZ-DIORITE BANDS,									
R			RUSTY, DISS.,CLOTS AND FRACTURE FILLING PYRITE 3-5%									
A005	430	430	52427	1	5	13	2.5	10.0	1.5	956	44	
R			GRAB FROM MUCK PILE; WEAKLY FOLIATED HORNFELS? WITH ABOUT 2-3%									
R			QUARTZ PODS WITH DISSEMINATE AND CLOTS OF PYRITE 3.4%									
A005	500	500	52428	2	5	7	2.5	2.5	3.0	426	130	

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R               GRAB FROM MUCK PILE; AMPHIBOLITE GNEISS HOSTING A NARROW
R               QUARTZ SEAM WITH ABOUT 10% FRACTURE FILLING PYRITE; ALSO
R               CONTAINS A PORTION OF AN EPIDOTIZED BAND WITH ABOUT 10%
R               DISSEMINATED EUHEDRAL PYRITE
A005  530   530      52429     1     5     5   2.5   6.0   1.5   406    77
R               GRAB FROM MUCK PILE; GRAINY AMPHIBOLITE GNEISS CHARACTERIZED BY
R               ABOUT 5-10% HORNBLEND PORPHYROBLASTS AND 2-5MM WIDE, PARALLEL
R               EPIDOTE SEAMS OCCASIONALY HOSTING MINOR DISSEMINATED EUHEDRAL PY
A006
AUMM                SAMPLE   AL%   MG%    P%    TI     V    ZR
R                              %     %     %     %   ppm   ppm
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            ICP
A006   90   110      52413  2.28  2.37  0.07  0.15  98.0   2.0
A006  157   177      52414  1.36  1.18  0.07  0.13  63.0   2.0
A006  177   190      52415  0.31  0.13  0.01  0.02   8.0   1.0
R               ABOUT 1.0M WIDE QUARTZ VEIN STRIKING 168 DEGREES
A006  190   207      52416  2.02  1.62  0.06  0.15  81.0   2.0
A006  220   245      52417  1.76  1.45  0.06  0.12  61.0   2.0
A006  245   258      52418  1.13  0.47  0.01  0.03  16.0   1.0
R               QUARTZ DIORITE DYKE STRIKING ABOUT 45 DEGREES
A006  294   318      52419  1.44  1.07  0.06  0.12  55.0   2.0
A006  376   388      52420  2.34  1.75  0.08  0.16  91.0   2.0
A006  425   438      52421  2.11  1.90  0.08  0.14  64.0   1.0
A006  452   461      52422  1.98  1.66  0.06  0.13  73.0   2.0
A006  461   469      52423  2.48  3.31  0.06  0.05  76.0   1.0
R               RUSTY, CHLORITIC SCHIST ZONE
A006  469   485      52424  2.96  1.44  0.05  0.11  57.0   1.0
A006  504   530      52425  2.13  1.29  0.05  0.10  60.0   1.0
R        GRAB SAMPLES
A006  320   320      52426  1.48  1.07  0.06  0.14  75.0   2.0
R               AMPHIBOLITE GNEISS WITH QUARTZ-DIORITE BANDS,
R               RUSTY, DISS.,CLOTS AND FRACTURE FILLING PYRITE 3-5%
A006  430   430      52427  2.76  2.70  0.04  0.02  73.0   0.5
R               GRAB FROM MUCK PILE; WEAKLY FOLIATED HORNFELS? WITH ABOUT 2-3%
R               QUARTZ PODS WITH DISSEMINATE AND CLOTS OF PYRITE 3.4%
A006  500   500      52428  2.03  1.24  0.12  0.15 120.0   1.0
R               GRAB FROM MUCK PILE; AMPHIBOLITE GNEISS HOSTING A NARROW
R               QUARTZ SEAM WITH ABOUT 10% FRACTURE FILLING PYRITE; ALSO
R               CONTAINS A PORTION OF AN EPIDOTIZED BAND WITH ABOUT 10%
R               DISSEMINATED EUHEDRAL PYRITE
A006  530   530      52429  1.83  1.69  0.06  0.17  81.0   2.0
R               GRAB FROM MUCK PILE; GRAINY AMPHIBOLITE GNEISS CHARACTERIZED BY
R               ABOUT 5-10% HORNBLEND PORPHYROBLASTS AND 2-5MM WIDE, PARALLEL
R               EPIDOTE SEAMS OCCASIONALY HOSTING MINOR DISSEMINATED EUHEDRAL PY
R                  TRENCH OVERBURDEN PROFILE SAMPLE DATA
R        SAMPLE/LOCATION  DEPTH    AG    AS    AU    CU    PB    ZN
R                            cm   ppm   ppm   ppb   ppm   ppm   ppm
R
R        TR90-30  10.0MA     40   0.3     4    10    22     1    43
R        TR90-30  10.0MB    100   0.3     8     5    31     3    50
R        TR90-30  10.0MC    200   0.2     1   2.5    35     4    51
R        TR90-30  20.0MA     20   0.2     6   2.5    21     3    44
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R	TR90-30	20.0MB	60	0.3	3	2.5	31	4	46
R	TR90-30	20.0MC	150	0.2	3	2.5	30	3	37
R	TR90-30	30.0MA	20	0.2	5	2.5	21	4	33
R	TR90-30	30.0MB	120	0.2	5	10	25	5	34
R	TR90-30	30.0MC	220	0.2	1	15	71	7	40
R	TR90-30	40.0MA	30	0.2	1	20	25	5	37
R	TR90-30	40.0MB	150	0.4	1	25	25	6	31
R	TR90-30	40.0MC	300	0.3	1	75	59	4	52
R	TR90-30	50.0MA	50	0.3	3	2.5	27	5	38
R	TR90-30	50.0MB	150	0.2	1	2.5	28	4	39
R	TR90-30	50.0MC	330	0.3	9	2.5	31	5	35

/END

APPENDIX III

DIAMOND DRILL LOGS

AND

ASSAY RESULTS

Diamond Drill Hole 90-1

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IDEN6B0201V239  DDH90-1  NQ 15AUG90DAL   LECLAUG90S38   DALGRD  0.0
IPRJ      PLACER DOME INC                        MCCONNELL CREEK
S000    00  1067 MT  106.7 270.0 -45.0                   6262.6  10049.7     1480.0
/SCL        MT.2
LSCL                          LCTM
/NAM                                                        PYMG  CLSECBEPKFCYKAFU
LNAM                                                        CVAKPFTOPVCPGLHELMMA
/       000  3340        OVBD                    P
R                BOULDERY KAME DEPOSIT, CASED TO 27.4
/      3340  4500        QZMZQZPFMF1MGFO         P FO    30D(D)  D=S+  D101
L                             7AKF           1122
R                MASSIVE PALE GRAY/WHITE  GROUNDMASS, UP TO 10% MAFICS FAINT
R                FOLIATION 20-30 CA.UP TO 10% HB, ALT'D TO EPIDOTE, 1-2%
R                BIOTITE, TRACE DISS PYRITE, 1% MAGNETITE.LOWER PART OF UNIT
R                (39.0>45.0)UNDERGONE SOME SECONDARY SILICIFICATION, QUARTZ
R                VEINLETS WITH MUSCOVITE SERICITE ENVELOPES, FRACTURES WITH
R                LIMONITE AND HEMATITE ALTERATION, CLAY AND TRACE PYRITE. 39.0
R                DOWNWARDS APPEARS INCREASED PERVASIVE SILICIFICATION AND
R                INGESTION OF XENOLITHS (AMPHIBOLITE?) K-SPAR TEST INDICATES UP
R                TO 10% K-SPAR IN GROUNDMASS
R                39.65 41.65 SECTION HAS BEEN SILICIFIED (PERVASIVE) BLOTCHY
R                EPIDOTE, QTZ-CARB ALONG FRACTURES, 1-2% PY (DISS., FRACTURES)
R                41.65 43.65 SIMILAR TO ABOVE, HEALED FRACTURES (QTZ-CARB),
R                PINK ALT (K-SPAR)
R                43.65 45.00 LOWER SECTION INCREASED FRACTURING, CLAY ALONG
R                FRACTURES, GREY GREEN HUE TO CORE
/      4500  6700        QZMZQZPFMF1MGFO         P FO    30D(D)  D=<)
L                             5AKF                          <+     <*<*     <*<*
R                HOST UNIT QUARTZ-MONZONITE, BLOTCHY APPEARANCE WITH EPIDOTE +
R                K-SPAR ALTERATION AND SECONDARY SILICIFICATION.  QUARTZ
R                VEINLETS (TO 5CM) AND FRACTURE  HAVE CARBONATE/SERICITE
R                ENVELOPES, MUSCOVITE IN PLACES.  THIS UNIT TAKES ON DEFINITE
R                ARGILLIC/PHYLLIC ALTERATION COMPARED TO PREVIOUS.  XENOLITHS OF
R                AMPHIBOLITE UP TO 0.5M (<5% CORE INTERVAL)
R                45.00 47.00 BROKEN CORE, Q.V. TO 1CM, SOME GOUGE, SAND,PY TO 2%
R                LOWER SECTION
R                47.00 49.00 SIMILAR TO PREVIOUS, SOME HEMATITE ALT, INCREASE
R                K-SPAR, 2-10CM XENOLITH AMPHIBOLITE
R                49.00 50.5 QV TO 5CM, 3 IN TOTAL (10CM), UNIT SILICIFIED, MUSC/
R                SER, 10CM XENOLITH.
R                50.5  52.1 SECTION APPEARS TO BE PRIMARILY TWO XENOLITHS OF
R                AMPHIBOLITE WITHIN ALT. INTRUSIVE (SILICIFIED) WITH UP TO 5-8% P
R                OVER 35CM SEPARATING THEM,  QVZ ? ? (MISSING CORE?)
R                52.1 54.0 INCREASE  SECONDARY ALTERATION, MICRO-FRACTURES QUARTZ
R                WITH MUSCOVITE/SERICITES GIVE GREY BANDS WITH K-SPAR
R                54.0 56.0 INCREASE K-SPAR
R                56.0 58.0 INCREASED SILICIFCATION, VEINS TO 20CM (QTZ-MUS,
R                SER, CARB) QVZ 30% SECTION
R                58.0 60.0 SIMILAR TO PREVIOUS, LESS SILICIFICATION, <10%, SOME
R                VEINS PARALLEL TO FOLIATION.
R                60.0 62.0 AS ABOVE
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R             62.0 64.0 INCREASED VEINLETS (15) WITH ALTERATION ENVELOPES -20%
R             CORE, 3CM GOUGE
R             64.0 65.3 K-SPAR, FRACTURES 0-10 CA, WITH EPIDOTE, PINK TINGE
R             5% CORE.
R             65.3 67.0 PALE GREY/WHITE GROUNDMASS, VEINLETS CHANGE
R             ORIENTATION 45 DEGREES CA, UP TO 10% CORE
/     6700  8655       QZMZQZPFMF1MGFO        P FO      D*D)  D)S+  D=F1
L                           7AKF            3323          <+      <)  <)<)
R             UNIT OF QUARTZ MONZONITE HAS UNDERGONE GREATER ALTERATION/
R             FRACTURING THAN PREVIOUS SECTION.  CORE MORE BROKEN AND
R             FRACTURED WITH CLAY GOUGE ZONES AND INCREASED VEINING (QUARTZ
R             WITH MUSC, SER, CARB ENVELOPES) WITH TRACE PYRITE.  LESS
R             K-SPAR THAN PREVIOUS, BASICALLY INTERMEDIATE  ARGILLIC
R             ALTERATION
R             67.0 69.0 MODERATE K-SPAR,VEIN TO 20CM (ENVELOPE)
R             69.0 71.0 ABUNDANT K-SPAR, CLAY ALTERATION, GOUGE IS CLAY AND
R             CALCITE.
R             71.0 73.0 SIMILAR PREVIOUS, LESS K-SPAR - UP TO 5% CLAY ALONG
R             FRACTURES.
R             73.0 75.0 AS ABOVE, VEINS/ ALTERATION ENVELOPE TO 10 CM. WIDTH.
R             EP, BI DISS IN HOST, 3% CLAY GOUGE
R             75.0 77.0 GREY ARGILLIC ALT. 76.2 - 10CM CLAY
R             77.0 79.0 WELL FRACTURED, PALE GREY COLOUR, STEEPER FRACTURES
R             NEAR END WITH PY AND CLAY
R             79.0 80.24 AS ABOVE, 10CM VEIN ZONE/ENVELOPE
R             80.24 82.0 XENOLITH AMPHIBOLITE, WITH 15CM CHL-SER SCHIST
R             82.0 82.8  XENOLITH AMPHIBOLITE FOOTWALL 15CM VEIN ZONE (QUARTZ)
R             82.8 85.0 ALTERED (CLAY-ARGILLIC) BLEACHED QMZ., WELL BROKEN
R             MAFICS> EPIDOTE,  84.4-84.5 CLAY
R             85.0 86.55 SIMILAR TO ABOVE, BLEACHED, MORE MASSIVE QV (1.5CM),
R             SOME KP ALONG STEEP HAIRLINE FRACTURES
/     8655  9450       AMGNAMHB   MGBN        P BN      D(D)        <+Z1
L                           AGPF            3323          >=       <)
R             CONTACT ZONE OF GNEISS WITH MONZONITE.  GREY/GREEN COLOUR
R             FINE TO MEDIUM GRAINED, BANDED IN PLACES, UPPER SECTION IS
R             VEINED WITH TRACE LIMONITE/HEMATITE ALONG VEINS
R             86.55 88.2 UNIT VERY CALCAREOUS WITH QTZ-CARB-EP-CHLORITE VEINS
R             1-2% PYRITE 10CM INTERVALS, VERY CHLORITIC
R             88.2 90.0 25CM GREEN CALCAREOUS GOUGE, THEN MASSIVE AMPHIBOLITE,
R             MICROFRACTURES AND HOST ARE CALCAREOUS
R             90.0 92.0 SIMILAR TO ABOVE, FINER GRAINED, PALER GREEN COLOURED.
R             92.0 94.5 AS ABOVE 5 CM GOUGE, CALCAREOUS,  CHLORITIC, ALMOST
R             SCHISTOSE
/     9450  9970       CLS4CLPF   FGSC        P SC
L                           3GCA            2233
R             CHLORITIC SCHIST, PALE GREY/GREEN TO DARK GREEN-INDICATIVE OF
R             CHLORITE ONLY OR CHLORITE SERICITE SCHIST, VERY FINE GRAINED
R             WITH DISTINCT SCHISTOSITY.  CLAY GOUGE IN PLACES, SECTIONS VERY
R             CALCAREOUS WITH SOME SECONDARY QUARTZ VEINS THAT CUT
R             SCHISTOSITY
R             94.50 96.0 UPPER 35CM "CRACKLED APPEARANCE" VERY CALCAREOUS,
R             DARK GREEN
R             96.0 97.6 ALTERNATING DARK TO LIGHT GREENS, LESS CALCAREOUS,
R             SEVERAL CM SIZE QV PARALLEL TO SCHISTOSITY
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R 97.6 99.7 AS ABOVE, CL-SER, 7 MICROVEINS PARALLEL SCHISTOSITY
R 99.7 101.0 GNEISS
R 101.0 103.0 GNEISS, BANDED IN PLACES TRACE CPY WITHIN QV (WITH
R EP-CALCITE)
R 103.0 105.0 MASSIVE GNEISS
R 105.0 106.7 MASSIVE GNEISS
/ 9970 10670 AMGNAMHB MGBN P BN
L AGPF 2233
R UNIT IS BANDED IN PLACES THOUGH GENERALLY MASSIVE, FINE TO MED.
R GRAINED WITH CARBONATE-PLAG AS LIGHT MINERALS IN AMPHIBOLITE
R GROUNDMASS, TR-1% DISS PYRITE IN PLACES, EPIDOTE AS BANDS IN
R PLACES
A001

AUMM			SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%	
R				ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	

ALAB PDI RESEARCH
ATYP SPLIT CORE
AMTH WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
R 0000 3340 OVBD

A001	3960	4165	14776	3		2	1	23	1.31	0.25	0.07	1.05	
A001	4165	4365	14777	3		11	4	24	1.46	0.27	0.07	1.13	
A001	4365	4500	14778	110		4	2	19	1.90	0.32	0.07	1.12	
A001	4500	4700	14779	35		5	2	17	2.10	0.28	0.06	1.02	
A001	4700	4900	14780	10		15	2	30	1.61	0.35	0.07	1.34	
A001	4900	5050	14781	80		9	4	21	2.44	0.43	0.07	1.20	
A001	5050	5200	14782	200		21	47	45	2.73	0.59	0.05	2.72	
A001	5200	5400	14783	130		2	6	13	2.09	0.34	0.06	0.86	
A001	5400	5600	14784	350		7	3	21	1.60	0.28	0.06	1.15	
A001	5600	5800	14785	155		10	12	22	1.45	0.28	0.07	1.29	
A001	5800	6000	14786	70		11	4	23	1.45	0.27	0.06	1.29	QZMZ
A001	6000	6200	14787	30		22	2	27	1.11	0.25	0.08	1.22	
A001	6200	6400	14788	70		18	1	25	1.60	0.33	0.08	1.26	
A001	6400	6530	14789	40		5	2	38	1.28	0.20	0.10	1.23	
A001	6530	6700	14790	70		4	1	26	1.32	0.27	0.07	1.24	
A001	6700	6900	14791	115		2	2	26	1.56	0.25	0.08	1.17	
A001	6900	7100	14792	130		5	2	24	1.90	0.20	0.07	1.02	
A001	7100	7300	14793	100		5	1	23	1.46	0.21	0.07	1.08	
A001	7300	7500	14794	400		5	1	20	1.87	0.27	0.06	1.14	
A001	7500	7700	14795	480		4	4	17	2.30	0.26	0.06	1.20	
A001	7700	7900	14796		0.50	2	4	32	3.05	0.19	0.05	1.65	
A001	7900	8024	14797	50		15	2	38	2.11	0.21	0.07	1.62	
A001	8024	8200	14798	20		23	1	62	3.06	0.42	0.10	3.02	
A001	8200	8280	14799	375		49	33	69	4.13	0.73	0.05	4.08	
A001	8280	8500	14800	205		1	6	29	3.34	0.21	0.05	1.51	
A001	8500	8655	14801	215		35	19	31	2.85	0.21	0.08	1.50	
A001	8655	8820	14802	50		33	2	57	3.49	0.29	0.05	2.86	
A001	8820	9000	14803	10		60	1	33	1.77	0.15	0.08	2.28	AMGN
A001	9000	9200	14804	3		177	1	35	1.67	0.13	0.06	2.43	
A001	9200	9450	14805	10		110	1	27	1.86	0.13	0.10	2.15	
A001	9450	9600	14806	15		122	3	65	7.88	0.45	0.01	4.92	
A001	9600	9760	14807	100		57	10	60	9.13	0.30	0.01	4.18	CLSH
A001	9760	9970	14808	30		60	4	63	6.53	0.28	0.01	5.07	
A001	9970	10100	14809	3		57	1	32	2.02	0.18	0.13	2.70	AMGN
A001	10100	10300	14810	3		80	1	31	2.30	0.26	0.15	2.70	

A001	10300	10500	14811	3		117	1	36	1.64	0.17	0.12	3.16	AMGN
A001	10500	10670	14812	3		74	1	29	1.53	0.39	0.11	2.48	

A002					
AUMM				RECOVY	RQD
A002	1280	1585	305	30	9
A002	1585	2743	1158	1	0
A002	2743	2896	153	49	16
A002	2896	3050	154	12	0
A002	3050	3200	150	39	11
A002	3200	3353	156	22	0
A002	3353	3505	152	70	20
A002	3505	3658	153	82	19
A002	3658	3810	152	98	36
A002	3810	3962	152	97	66
A002	3962	4115	153	90	41
A002	4115	4267	152	84	26
A002	4267	4420	153	91	31
A002	4420	4572	152	51	0
A002	4572	4724	152	62	0
A002	4724	4877	153	52	7
A002	4877	5029	152	74	0
A002	5029	5181	152	79	15
A002	5181	5334	153	92	35
A002	5334	5486	152	95	29
A002	5486	5640	154	99	33
A002	5640	5790	150	90	33
A002	5790	5944	154	97	58
A002	5944	6060	116	95	30
A002	6060	6187	127	77	35
A002	6187	6340	153	95	53
A002	6340	6492	152	93	24
A002	6492	6660	168	88	24
A002	6660	6812	152	93	34
A002	6812	6965	153	78	20
A002	6965	7132	167	77	36
A002	7132	7315	183	77	26
A002	7315	7590	275	76	4
A002	7590	7833	243	93	13
A002	7833	8077	244	95	27
A002	8077	8230	153	98	67
A002	8230	8443	213	98	19
A002	8443	8687	244	84	20
A002	8687	8840	153	88	16
A002	8840	9110	270	84	20
A002	9110	9450	340	49	10
A002	9450	9750	300	90	21
A002	9750	10060	310	91	43
A002	10060	10360	300	95	49
A002	10360	10670	310	96	40

A003			
AUMM		SAMPLE	AU1
R			ppb
ALAB	PDI RESEARCH		
ATYP	SLUDGE		

AMTH			WET GEOCHEM A.A.									
A003	396	427	52201	90								
A003	427	457	52202	130								
A003	488	518	52203	NSS								
A003	518	549	52204	NSS								
A003	579	610	52205	NSS								
A003	610	640	52206	115								
A003	640	670	52207	NSS								
A003	670	701	52208	NSS								
A003	701	732	52209	NSS								
A003	732	762	52210	NSS								
A003	762	792	52211	NSS								
A003	792	832	52212	NSS								
A003	832	853	52213	NSS								
A003	853	884	52214	NSS								
A003	884	914	52215	NSS								
A003	914	945	52216	NSS								
A003	945	975	52217	NSS								
A003	975	1006	52218	NSS								
A003	1006	1036	52219	NSS								
A003	1036	1067	52220	NSS								
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			ICP									
A004	3960	4165	14776	1	0.05	4	51	0.05	83	1	3	2.5
A004	4165	4365	14777	2	0.05	5	51	0.05	77	2	4	2.5
A004	4365	4500	14778	1	0.05	3	63	0.05	91	2	3	2.5
A004	4500	4700	14779	1	0.05	3	61	0.05	85	2	7	2.5
A004	4700	4900	14780	1	0.10	7	75	0.10	80	2	4	2.5
A004	4900	5050	14781	1	0.05	5	96	0.20	93	2	11	2.5
A004	5050	5200	14782	9	0.20	19	87	4.10	50	2	18	2.5
A004	5200	5400	14783	4	0.05	3	74	0.10	86	2	3	2.5
A004	5400	5600	14784	6	0.10	4	57	0.10	71	3	3	2.5
A004	5600	5800	14785	3	0.05	5	78	1.10	62	2	5	2.5
A004	5800	6000	14786	2	0.05	5	71	0.30	62	2	4	2.5
A004	6000	6200	14787	1	0.40	4	87	0.05	60	3	5	2.5
A004	6200	6400	14788	1	0.05	4	85	0.05	83	2	4	2.5
A004	6400	6530	14789	1	0.05	5	93	0.05	55	2	4	2.5
A004	6530	6700	14790	3	0.05	4	69	0.05	57	2	4	2.5
A004	6700	6900	14791	1	0.05	5	82	0.10	69	2	4	2.5
A004	6900	7100	14792	2	0.10	5	68	0.10	60	2	4	2.5
A004	7100	7300	14793	1	0.10	5	77	0.05	55	2	4	2.5
A004	7300	7500	14794	1	0.20	4	79	0.05	57	2	3	2.5
A004	7500	7700	14795	1	0.05	4	101	0.10	70	3	4	82.0
A004	7700	7900	14796	1	0.10	7	54	0.40	55	2	5	2.5
A004	7900	8024	14797	1	0.05	9	73	0.05	65	2	8	2.5
A004	8024	8200	14798	1	0.20	21	168	0.10	54	2	52	2.5
A004	8200	8280	14799	1	0.40	25	186	0.20	63	3	59	2.5
A004	8280	8500	14800	1	0.05	5	49	0.05	56	2	5	2.5
A004	8500	8655	14801	1	0.05	5	60	0.10	78	2	5	2.5
A004	8655	8820	14802	1	0.10	19	82	0.05	55	2	32	2.5

A004	8820	9000	14803	1	0.10	21	110	0.05	46	2	45	2.5
A004	9000	9200	14804	1	0.20	25	130	0.10	36	1	59	2.5
A004	9200	9450	14805	1	0.20	24	148	0.10	33	3	72	2.5
A004	9450	9600	14806	1	0.60	34	236	0.20	52	3	116	2.5
A004	9600	9760	14807	1	0.50	36	64	0.10	28	3	101	2.5
A004	9760	9970	14808	1	0.80	35	203	0.10	31	3	99	2.5
A004	9970	10100	14809	1	0.30	23	141	0.10	37	2	58	2.5
A004	10100	10300	14810	1	0.50	26	151	0.05	43	4	69	2.5
A004	10300	10500	14811	1	0.40	27	115	0.05	31	5	58	2.5
A004	10500	10670	14812	1	0.20	23	121	0.05	66	3	67	2.5
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			ICP									
A005	3960	4165	14776	4	5	1	2.5	2.5	1.5	383	138	
A005	4165	4365	14777	5	5	1	2.5	2.5	1.5	428	149	
A005	4365	4500	14778	4	5	1	2.5	2.5	1.5	443	150	
A005	4500	4700	14779	5	5	1	2.5	2.5	1.5	428	180	
A005	4700	4900	14780	5	5	1	2.5	2.5	1.5	426	183	
A005	4900	5050	14781	5	5	1	2.5	2.5	1.5	555	142	
A005	5050	5200	14782	4	5	2	2.5	2.5	1.5	881	145	
A005	5200	5400	14783	6	5	1	2.5	2.5	1.5	542	137	
A005	5400	5600	14784	5	5	1	2.5	2.5	1.5	459	146	
A005	5600	5800	14785	4	5	1	2.5	2.5	1.5	443	130	
A005	5800	6000	14786	5	5	1	2.5	2.5	1.5	446	136	
A005	6000	6200	14787	4	5	1	2.5	5.0	1.5	391	138	
A005	6200	6400	14788	5	5	1	2.5	2.5	1.5	477	214	
A005	6400	6530	14789	5	5	1	2.5	2.5	1.5	466	226	
A005	6530	6700	14790	5	5	1	2.5	2.5	1.5	436	157	
A005	6700	6900	14791	4	5	1	2.5	2.5	1.5	424	197	
A005	6900	7100	14792	5	5	1	2.5	2.5	1.5	418	212	
A005	7100	7300	14793	4	5	1	2.5	2.5	1.5	387	177	
A005	7300	7500	14794	4	5	1	2.5	2.5	1.5	468	174	
A005	7500	7700	14795	5	5	1	2.5	2.5	1.5	486	166	
A005	7700	7900	14796	4	5	1	2.5	2.5	1.5	698	214	
A005	7900	8024	14797	5	5	1	2.5	2.5	1.5	566	271	
A005	8024	8200	14798	2	5	8	2.5	6.0	1.5	1019	202	
A005	8200	8280	14799	2	5	13	2.5	2.5	1.5	1144	241	
A005	8280	8500	14800	6	5	1	2.5	2.5	1.5	624	243	
A005	8500	8655	14801	5	5	1	2.5	2.5	1.5	569	234	
A005	8655	8820	14802	3	5	4	2.5	2.5	1.5	955	211	
A005	8820	9000	14803	2	5	5	2.5	2.5	1.5	489	123	
A005	9000	9200	14804	1	5	4	2.5	2.5	1.5	477	83	
A005	9200	9450	14805	1	5	6	2.5	5.0	1.5	407	81	
A005	9450	9600	14806	1	5	14	2.5	5.0	1.5	1252	194	
A005	9600	9760	14807	1	5	5	2.5	2.5	1.5	1183	263	
A005	9760	9970	14808	2	5	13	2.5	6.0	1.5	1106	229	
A005	9970	10100	14809	2	5	8	2.5	5.0	1.5	476	82	
A005	10100	10300	14810	2	5	8	2.5	8.0	1.5	497	89	
A005	10300	10500	14811	1	5	7	2.5	6.0	1.5	475	69	
A005	10500	10670	14812	1	5	6	2.5	5.0	1.5	408	70	
A006												

AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR
R				%	%	%	ppm	ppm	ppm
ALAB		PDI RESEARCH							
ATYP		SPLIT CORE							
AMTH		ICP							
A006	3960	4165	14776	0.62	0.25	0.04	0.04	21.0	0.5
A006	4165	4365	14777	0.71	0.27	0.04	0.05	22.0	1.0
A006	4365	4500	14778	0.74	0.21	0.05	0.02	19.0	1.0
A006	4500	4700	14779	0.74	0.21	0.05	0.01	16.0	1.0
A006	4700	4900	14780	0.96	0.37	0.06	0.03	20.0	1.0
A006	4900	5050	14781	0.88	0.34	0.05	0.02	19.0	0.5
A006	5050	5200	14782	1.32	0.88	0.08	0.06	31.0	1.0
A006	5200	5400	14783	0.63	0.16	0.04	0.02	13.0	1.0
A006	5400	5600	14784	0.57	0.22	0.05	0.03	22.0	1.0
A006	5600	5800	14785	0.64	0.24	0.05	0.04	21.0	1.0
A006	5800	6000	14786	0.63	0.24	0.05	0.04	23.0	1.0
A006	6000	6200	14787	0.70	0.29	0.05	0.06	26.0	1.0
A006	6200	6400	14788	0.90	0.29	0.05	0.05	28.0	1.0
A006	6400	6530	14789	1.02	0.42	0.05	0.07	24.0	1.0
A006	6530	6700	14790	0.79	0.29	0.05	0.06	29.0	1.0
A006	6700	6900	14791	0.80	0.29	0.05	0.05	22.0	1.0
A006	6900	7100	14792	0.94	0.30	0.05	0.03	16.0	1.0
A006	7100	7300	14793	0.77	0.28	0.05	0.04	21.0	1.0
A006	7300	7500	14794	0.69	0.24	0.05	0.03	19.0	1.0
A006	7500	7700	14795	0.68	0.21	0.05	0.01	15.0	0.5
A006	7700	7900	14796	1.01	0.50	0.07	0.05	28.0	1.0
A006	7900	8024	14797	1.43	0.76	0.08	0.06	32.0	1.0
A006	8024	8200	14798	2.53	2.60	0.07	0.14	82.0	2.0
A006	8200	8280	14799	3.11	3.28	0.06	0.11	110.0	1.0
A006	8280	8500	14800	1.19	0.55	0.07	0.02	22.0	1.0
A006	8500	8655	14801	1.15	0.51	0.07	0.04	25.0	1.0
A006	8655	8820	14802	2.07	1.89	0.08	0.09	64.0	1.0
A006	8820	9000	14803	1.81	1.88	0.07	0.11	61.0	2.0
A006	9000	9200	14804	1.88	2.14	0.07	0.12	58.0	2.0
A006	9200	9450	14805	1.73	2.11	0.06	0.10	54.0	2.0
A006	9450	9600	14806	3.08	3.96	0.07	0.04	93.0	0.5
A006	9600	9760	14807	1.11	2.54	0.05	0.00	17.0	0.5
A006	9760	9970	14808	2.61	4.80	0.05	0.01	85.0	0.5
A006	9970	10100	14809	1.99	2.17	0.05	0.14	74.0	2.0
A006	10100	10300	14810	2.00	2.27	0.06	0.13	73.0	3.0
A006	10300	10500	14811	1.82	1.95	0.07	0.14	86.0	2.0
A006	10500	10670	14812	1.77	2.06	0.06	0.12	63.0	2.0

/end

Diamond Drill Hole 90-2

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IDEN6B0201V239  DDH90-2 NQ  17AUG90DAL   LECLAUG90S38   DALGRD  0.0            7
IPRJPLACER DOME INC                          MCCONNELL CREEK
S000    000  5000MT  100.9 270.0 -50.0                 6496.7   10016.2    1480.0
S001   5000 10090    100.9 270.0 -48.0
/NAM                                                    PYMG  CLSECBEPKFCYKAFU
LNAM                                                    CVAKPFTOPVCPGLHELMMA
/SCL         MT.2
LSCL                          LCTM
/      0000  3470        OVBD                      P
R                BOULDERY KAME DEPOSIT, CASED TO 34.7,QTZ-MONZ. BOULDERS & TILL
/      3470  5760        QZMZQZPFMF1MGFO          P MX
L                               7AKF          3344  FO
R                MASSIVE-MED GRAINED PALE GREY WHITE GROUNDMASS, QTZ-MONZONITE
R                WITH UP TO 10% MAFICS (HB>CHLORITE) WITH EQUIVALENT AMOUNT
R                OF BIOTITE IN PLACES, PREDOMINANT FELDSPAR IS PLAGIOCLASE
R                SEVERAL TESTS INDICATE LITTLE K-SPAR.  TRACE TO 1% DISSEMINATED
R                PYRITE, ODD XENOLITH AMPHIBOLITE (IE: 46.5,5CM).  FAINT
R                FOLIATION LOW ANGLE TO CORE AXIS
R                GENERALLY VERY UNALTERED
R                53.6-55.6 AS ABOVE, EPIDOTE ALONG FRACTURES, CALCITE FRACTURES,
R                PALE PINK HUE(HEMATITE)
R                55.6-57.6 INCREASE ALTERATION, SILICIFICATION 5CM QV WITH
R                ALTERATION ENVELOPE
R                57.6-59.1 SILICIFIED NEAR CONTACT AMPHIBOLITE - 57.6-57.9
R                TR CPY IN QV
R
/     5760   6025       AMGNAMHB   MGBN         P BN       D(D)
L                             AGPF
R                APPEARS TO BE XENOLITH GNEISS CAUGHT UP IN CONTACT ZONE
R                58.6 CHLORITIC WITH CALCAREOUS GROUNDMASS, 1-2% PYRITE, ALMOST
R                SCHIST
R                59.1-60.25 XENOLITH CONTINUES, SCHISTOSE, CHLORITIC
/     6025   6330       AMGNAMHB   MGBN         P BN         D(D)
L                               PF
R                AMPHIBOLITE WITH SHORT SECTIONS VEINING (SEGREGATIONS IN
R                GNEISS?) GIVE CORE BLEACHED APPEARANCE, SECONDARY HEMATITE
R                ALTERATION ALONG VEINS
R                60.25-61.9 SECTIONS TO 30CM MONZONITE, WITH SECONDARY QTZ
R                VEINS, MELANGE OF SEVERAL UNITS.
R                61.90-63.3 GRADATIONAL TO CLS LOWER PART SECTION
/     6330   6760        CLS4CLPF   FGSC         P SC
L                               3GCA          2233
R                CHLORITIC SCHIST, DARK GREY GREEN TO PALE GREY GREEN, VERY
R                CALCAREOUS, CRACKLED APPEARANCE OVER SHORT INTERVALS, WITH SOME
R                SECONDARY QUARTZ ON LAMINATIONS
R                63.3-65.0, 64.25-QV,64.2-64.45 CLAY (CALCAREOUS) GOUGE
R                65.0-67.6 SEVERAL 1CM QV. UPPER SECTION SCHISTOSE, LOWER
R                CRACKLED
/     6760   7930        AMGNAMHB   MGBN         P BN         D(D)
L                               3APF          2233
R                AMPHIBOLITE GNEISS, DARK GREY, BANDED IN MOST PLACES, FINE-MED
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R              GRAINED-MASSIVE, UNFRACTURED VERY LITTLE
R              ALTERATION, PYRITE TO 1% DISS OVER SHORT INTERVALS, CORE HAS
R              SILICEOUS RING.
R              67.6 - 69.0 CM BANDS, 45  C.A. TR HEM ALONG BANDS.
R              69.0 - 70.4 MASSIVE IRREGULAR QUARTZ SEGREGATIONS <5%
R              70.4 - 79.3 SIMILAR TO ABOVE, MASSIVE UNALTERED
/     7930  8080      CLS4SECA   FGMX        P MX
L                        8ACL          1112
R              79.3 - 80.8 UNIT IS POORLY DEVELOPED SCHIST, VERY CALCAREOUS,
R              CHLORITIC NEAR CONTACTS MORE A QUARTZ-SERICITE SCHIST 2(3)CM QV
R              WITH PY, TR CPY.
/     8080 10090      AMGNAMHB   MGBN        P BN
L                          PF          2223
R              MASSIVE AMPHIBOLITE, FAINT BANDING/FOLIATION IN PLACES, MORE
R              BIOTITE/SILICA  IN PLACES, MEDIUM TO FINELY CRYSTALLINE
R              HAIRLINE FRACTURES (QTZ-CARBONATE) WITH BLEACHED HOST
R              80.8 - 82.0 SLIGHTLY CHLORITIC, UPPER CONTACT, SILICEOUS
R              82.0 - 83.5 AS ABOVE
R              83.5 - 85.0 AS ABOVE
R              85.0 - 85.6 PINK PEGMATITE DYKE, UPPER CONTACT IRREGULAR,
R              COARSE CRYSTALLINE K-SPAR WITH SECONDARY QUARTZ INJECTION WITH
R              TR-1% PYRITE.FOOTWALL EQUIGRANULAR - 1-2MM, WITH HEMATITE
R              ALTERATION,LC 25 DEGREES CA
R              85.6 - 87.0 AMPHIBOLITE GNEISS AS PREVIOUS
R              85.6 - 97.5 AS PREVIOUS - MASSIVE, BLOTCHY APPEARANCE
R              97.5 - 99.0 MASSIVE AMPHIBOLITE SILICEOUS
R              99.0 - 100.9 AS ABOVE
A001
```

AUMM			SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%	
R				ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	
ALAB	PDI RESEARCH												
ATYP	SPLIT CORE												
AMTH	WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST												
A001	5360	5560	14813	3		4	1	29	1.12	0.27	0.08	1.30	QZMZ
A001	5560	5760	14814		0.28	6	1	23	1.75	0.28	0.08	1.13	
A001	5760	5910	14815	485		107	2	52	3.44	0.28	0.05	3.34	
A001	5910	6025	14816	3		160	1	44	2.35	0.16	0.07	3.02	AMGN
A001	6025	6190	14817	20		80	1	36	1.74	0.14	0.08	1.93	
A001	6190	6330	14818	10		99	1	34	1.81	0.16	0.10	2.14	
A001	6330	6500	14819	15		210	3	61	7.52	0.26	0.01	4.85	CLSH
A001	6500	6760	14820	3		37	3	78	9.04	0.35	0.01	5.26	
A001	6760	6900	14821	3		99	1	32	1.39	0.17	0.11	2.48	
A001	6900	7040	14822	10		95	1	33	1.90	0.15	0.11	2.77	AMGN
A001	7800	7930	14823	3		98	1	34	1.46	0.26	0.15	2.69	
A001	7930	8080	14824	80		77	2	61	5.98	0.18	0.01	5.30	CLSH
A001	8080	8200	14825	3		138	1	34	1.81	0.21	0.15	2.72	
A001	8200	8350	14826	3		95	1	27	1.42	0.24	0.15	2.36	
A001	8350	8495	14827	3		82	1	32	1.48	0.36	0.13	2.65	
A001	8495	8560	14828	3		7	1	10	1.15	0.15	0.11	1.12	AMGN
A001	8560	8700	14829	3		88	1	33	1.81	0.43	0.23	2.85	
A001	9750	9900	14830	3		80	1	26	1.47	0.29	0.16	2.33	
A001	9900	10090	14831	3		105	1	33	1.74	0.36	0.22	2.98	

A002

AUMM					RECOVY	RQD
A002	152	366	214		4	2
A002	366	395	29		51	5
A002	395	430	35		73	32
A002	430	460	30		89	41
A002	460	491	31		79	40
A002	491	518	27		98	52
A002	518	550	32		71	45
A002	550	565	15		95	58
A002	565	581	16		84	19
A002	581	597	16		78	9
A002	597	613	16		75	14
A002	613	628	15		93	59
A002	628	643	15		79	8
A002	643	674	31		79	24
A002	674	704	30		99	40
A002	704	735	31		90	55
A002	735	765	30		91	57
A002	765	796	31		90	44
A002	796	826	30		90	50
A002	826	856	30		96	57
A002	856	887	31		86	45
A002	887	917	30		91	60
A002	917	948	31		91	62
A002	948	978	30		96	74
A002	978	1009	31		93	68
A003						
AUMM				SAMPLE	AU1	Au
R					ppb	ppm
ALAB			PDI RESEARCH			
ATYP			SLUDGE			
AMTH			WET GEOCHEM A.A.			
A003	347	369		52221	460	
A003	369	399		52222	605	
A003	399	430		52223	5	
A003	430	460		52224	25	
A003	460	491		52225	510	
A003	491	521		52226	235	
A003	521	552		52227	210	
A003	552	582		52228	1225	
A003	582	613		52229	140	
A003	613	643		52230	10	
A003	643	674		52231	3	
A003	674	704		52232	3	
A003	704	735		52233	NSS	
A003	735	765		52234	3	
A003	765	796		52235	NSS	
A003	796	826		52236	35	
A003	826	856		52237	NSS	
A003	856	887		52238	3	
A003	887	917		52239	3	
A003	917	948		52240	3	
A003	948	978		52241	3	
A003	978	1009		52242	3	

A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			ICP									
A004	5360	5560	14813	1	0.05	5	72	0.05	59	2	4	2.5
A004	5560	5760	14814	1	0.05	4	76	0.10	85	2	4	2.5
A004	5760	5910	14815	1	0.30	25	133	0.05	66	4	55	2.5
A004	5910	6025	14816	1	0.10	26	131	0.05	24	14	61	2.5
A004	6025	6190	14817	1	0.05	16	114	0.05	38	5	41	2.5
A004	6190	6330	14818	1	0.20	24	159	0.10	29	5	66	2.5
A004	6330	6500	14819	1	0.60	40	321	0.30	27	5	156	2.5
A004	6500	6760	14820	1	0.70	36	276	0.20	39	11	120	2.5
A004	6760	6900	14821	1	0.10	23	83	0.10	36	4	45	2.5
A004	6900	7040	14822	1	0.20	23	110	0.10	33	5	51	2.5
A004	7800	7930	14823	2	0.30	23	84	0.10	48	5	41	2.5
A004	7930	8080	14824	1	0.70	29	106	0.10	28	2	53	2.5
A004	8080	8200	14825	1	0.40	24	106	0.10	43	2	38	2.5
A004	8200	8350	14826	1	0.10	20	71	0.05	50	2	35	2.5
A004	8350	8495	14827	1	0.10	22	86	0.05	74	2	40	2.5
A004	8495	8560	14828	1	0.05	12	131	0.10	32	3	13	2.5
A004	8560	8700	14829	1	0.30	23	105	0.10	92	2	43	2.5
A004	9750	9900	14830	1	0.20	20	93	0.10	70	2	38	2.5
A004	9900	10090	14831	1	0.20	22	115	0.10	90	2	36	2.5

A005											
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR
R				ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm
ALAB			PDI RESEARCH								
ATYP			SPLIT CORE								
AMTH			ICP								
A005	5360	5560	14813	4	5	1	2.5	2.5	1.5	369	216
A005	5560	5760	14814	4	5	1	2.5	2.5	1.5	418	192
A005	5760	5910	14815	1	5	7	2.5	2.5	1.5	828	118
A005	5910	6025	14816	2	5	6	2.5	2.5	1.5	588	104
A005	6025	6190	14817	1	5	3	2.5	2.5	1.5	390	144
A005	6190	6330	14818	1	5	6	2.5	5.0	1.5	427	123
A005	6330	6500	14819	1	5	15	2.5	9.0	1.5	930	154
A005	6500	6760	14820	1	5	18	2.5	6.0	1.5	1535	261
A005	6760	6900	14821	2	5	6	2.5	2.5	1.5	409	67
A005	6900	7040	14822	2	5	6	2.5	2.5	1.5	491	62
A005	7800	7930	14823	3	5	8	2.5	2.5	1.5	467	68
A005	7930	8080	14824	2	5	12	2.5	2.5	1.5	1200	222
A005	8080	8200	14825	4	5	7	2.5	6.0	1.5	470	87
A005	8200	8350	14826	2	5	6	2.5	2.5	1.5	406	55
A005	8350	8495	14827	1	5	7	2.5	2.5	1.5	469	80
A005	8495	8560	14828	9	5	3	2.5	2.5	1.5	191	62
A005	8560	8700	14829	3	5	9	2.5	2.5	1.5	511	92
A005	9750	9900	14830	2	5	7	2.5	2.5	1.5	402	58
A005	9900	10090	14831	2	5	10	2.5	5.0	1.5	498	77

A006									
AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR
R				%	%	%	ppm	ppm	ppm
ALAB			PDI RESEARCH						

ATYP SPLIT CORE
AMTH ICP

A006	5360	5560	14813	0.84	0.35	0.05	0.06	31.0	1.0
A006	5560	5760	14814	0.80	0.30	0.05	0.04	21.0	1.0
A006	5760	5910	14815	2.33	2.49	0.06	0.08	83.0	1.0
A006	5910	6025	14816	2.03	2.38	0.09	0.11	70.0	2.0
A006	6025	6190	14817	1.76	1.75	0.07	0.08	42.0	1.0
A006	6190	6330	14818	1.63	1.98	0.06	0.11	56.0	2.0
A006	6330	6500	14819	3.33	3.79	0.05	0.04	101.0	1.0
A006	6500	6760	14820	3.19	5.31	0.05	0.03	114.0	1.0
A006	6760	6900	14821	1.59	1.77	0.08	0.12	65.0	2.0
A006	6900	7040	14822	1.77	2.02	0.08	0.12	80.0	2.0
A006	7800	7930	14823	1.67	1.85	0.07	0.12	80.0	2.0
A006	7930	8080	14824	2.44	3.63	0.08	0.04	98.0	0.5
A006	8080	8200	14825	1.75	1.96	0.12	0.13	75.0	3.0
A006	8200	8350	14826	1.48	1.55	0.08	0.13	70.0	2.0
A006	8350	8495	14827	1.67	1.79	0.08	0.15	79.0	3.0
A006	8495	8560	14828	0.64	0.49	0.02	0.03	31.0	2.0
A006	8560	8700	14829	1.74	1.90	0.08	0.16	91.0	3.0
A006	9750	9900	14830	1.40	1.57	0.08	0.12	69.0	3.0
A006	9900	10090	14831	1.80	1.86	0.09	0.16	98.0	3.0

/END

Diamond Drill Hole 90-3

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IDEN6B0201V239  DDH90-3  NQ 19AUG90DAL   LECLJUL90S38   DALGRD  0.0
IPRJ      PLACER DOME INC                       MCCONNELL CREEK
S000   00  1018 MT  101.8 270.0 -45.0                  6743.0  10000.0     1470.
/SCL        MT.2
LSCL                          LCTM
/NAM                                                            PYMG  CLSECBEPKFCYKAFU
LNAM                                                            CVAKPFTOPVCPGLHELMMA
/      00   2195       OVBD                    P
R                BOULDERY KAME DEPOSIT, CASED TO 2.95, MAINLY QTZ-MONZ BOULDERS
/     2195  6425       QZMZQZPFMF1MGMX         P           D*D*    <)       S+
L                         7AKF    FO      3344
R                MASSIVE PALE GREY QTZ-MONZONITE, FOLIATED IN PLACES, UP
R                TO 10-15% MAFICS, CORE IS VERY BROKEN, INDICATIONS DRILLED
R                PARALLEL OR CLOSE PROXIMITY TO CONTACT.  SMALL 1-5MM VEINLETS,
R                (1/METRE FREQUENCY) WITH QUARTZ CORE, MUSCOVITE/SERICITE ENVELOP
R                NOTABLE ABSENCE OF SULPHIDES IN HOST AND VEINLETS.
R                MINOR HEMATITE, LIMONITE ALONG FRACTURES, TRACE PYRITE.
R                40.2 SOIL WITHIN FRACTURES.
R                FROM 48.0 ONWARDS APPEARS TO BE INCREASE IN QTZ-MUS SER
R                FRACTURES/VEINLETS.
R                50.5-51.5 MASSIVE QTZ-MONZ., WITH SEVERAL QTZ-MUSC-SER STRINGERS
R                AND HAIRLINE FRACTURES
R                51.5-52.5 XENOLITH? FELDSPAR PORPHYRY (0.4M),  BROKEN CLAY
R                ALTERED, REMAINDER QTZ-MONZ HOST.
R                52.5-54.0 MONZ, FRESH WITH VEINLETS (QTZ-MUS-SER), TR ONLY PY
R                54.0-64.25 QTZ-MONZ, FRESH 60.6-60.8 APLITE DYKE, PINK SILICEOUS
/     6425  803        QZMZQZPFMF1MGMX         P           D*D*  E)<)       C+
L                         7AKF    FO      5568                           <)
R                CONTACT ZONE OF QTZ-MONZ/AMPHIBOLITE.  THIS SECTION IS BROKEN
R                WITH SIGNIFICANT CLAY ALTERATION.  APPEARS TO BE SIGNIFICANT
R                PERCENT (10-25%) INGESTED XENOLITHS OF AMPHIBOLITE
R                67.3-67.8, 40% PINK DYKE UNIT.
R                74.0-75.1, BROKEN BLEACHED, HEMATITE & CLAY ALONG FRACTURES
R                75.1 - 77.0, BLEACHED MONZONITE, CLAY & MINOR EPIDOTE
R                77.0 - 79.0, BLEACHED MONZONITE, CLAY & MINOR EPIDOTE
R                79.0 - 80.3, BLEACHED MONZONITE, VERY FINE DISS. PYRITE IN PLACE
R                80.3 - 82.0, XENOLITH, CARB-SER-CHL SCHIST WITH QTZ CARB (10%)
R                WITH 1% PYRITE.
/     803   927        CLS4CLPF   FGSC         P SC              F3P=P2    S=
L                         AGCBSE1         2233
R                CHLORITIC-SCHIST, VARIATION WITH CALCAREOUS SECTIONS ETC.
R                TOP SECTION HAS QUARTZ-CARBONATE VEINING WITH EUHEDRAL PYRITE
R                82.0 - 83.0 ALTERED MONZONITE, BLEACHED AND CARBONATIZED,
R                (CALCAREOUS)
R                83.0 - 85.0 BLEACHED> GREY GREEN, UPPER SECTION HEMATITIC,
R                CALCAREOUS, 3-5% PY OVER 20CM INTERVALS
R                85.0 - 87.0 CHLORITIC & CALCAREOUS, SHORT (10CM) INTERVALS
R                EPIDOTIZED WITH PY TO 1%
R                87.0 - 89.0 SIMILAR TO ABOVE WITH EPIDOTIZED AMPHIBOLITE
R                (PYRITE RICH) BANDS. CALCAREOUS, CRACKLED APPEARANCE
R                89.0 - 91.0 VERY LIMEY, PALE GREY COLOUR AND LESS SCHISTOSE,
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R COLOUR VARIES TO PALE GREY/GREEN
R 91.0 - 92.7 DARKER GREEN, MORE CHLORITIC, BOTTOM 20CM HAS 30% QV
R (NO ORIENTATION) TRACE PYRITE.
/ 927 1018 AMGNCLPF MG P MX
L AGHB 2233
R AMPHIBOLITE GNEISS, MASSIVE VERY MINOR BANDING, NO SIGNIFICANT
R STRUCTURES OR ALTERATION, TRACE TO 1% DISS PYRITE, WITH
R CALCITE FILLING FRACTURES ETC
R 92.7 - 94.7 V.F.G. GNEISS, UP TO 1-2% FINELY DISS. PYRITE, WITH
R COARSER DIORITE INCLUSIONS
R 94.7 - 96.7 MED. CRYSTALLINE, MASSIVE WITH MONZ. INCLUSIONS, TR
R CPY
R 98.7 - 101.8, AS ABOVE, BANDED
R SPLIT CORE
A001

			SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%	
AUMM													
R				ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	
ALAB			PDI RESEARCH										
ATYP			SPLIT CORE										
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST										
A001	505	515	14832	3		6	2	24	1.60	0.29	0.08	1.12	
A001	515	525	14833	3		23	2	38	1.07	0.34	0.10	1.52	
A001	525	540	14834	3		5	1	29	0.78	0.24	0.10	1.14	
A001	740	751	14835	15		21	1	27	1.49	0.28	0.08	1.04	QZMZ
A001	751	770	14836	3		9	2	26	1.44	0.27	0.06	1.04	
A001	770	790	14837	3		8	2	31	1.27	0.30	0.07	1.20	
A001	790	803	14838	230		14	3	17	2.71	0.24	0.05	1.04	
A001	803	820	14839		0.72	17	186	28	4.11	0.27	0.05	2.02	
A001	820	830	14840		0.78	7	6	19	4.21	0.19	0.04	1.31	
A001	830	850	14841	55		34	3	70	3.37	0.34	0.06	3.84	
A001	850	870	14842	30		292	1	37	2.34	0.24	0.07	2.28	CLSH
A001	870	890	14843	3		154	2	80	7.08	0.67	0.01	5.65	
A001	890	910	14844	3		66	2	75	8.06	0.21	0.00	5.70	
A001	910	927	14845	3		143	2	60	6.07	0.39	0.01	5.26	
A001	927	947	14846	3		84	1	36	1.50	0.31	0.13	2.87	
A001	947	967	14847	3		105	1	37	1.72	0.40	0.12	3.12	
A001	967	987	14848	15		93	1	39	1.77	0.47	0.15	3.11	AMGN
A001	987	1018	14849	3		72	1	45	1.39	0.88	0.15	3.44	

A002

				RECOVY	RQD
AUMM					
A002	244	274	30	97	15
A002	274	3048	305	71	0
A002	3048	335	302	30	0
A002	335	366	31	94	10
A002	366	396	30	87	12
A002	396	427	31	90	15
A002	427	457	30	77	13
A002	457	488	31	92	47
A002	488	518	30	100	36
A002	518	549	31	100	26
A002	549	579	30	100	36
A002	579	610	31	100	33
A002	610	640	30	100	4
A002	640	671	31	94	39

A002	671	686	15	100	30							
A002	686	701	15	98	20							
A002	701	716	15	100	63							
A002	716	729	13	78	23							
A002	729	762	33	100	13							
A002	762	789	27	98	24							
A002	789	820	31	89	4							
A002	820	826	6	97	0							
A002	826	838	12	100	0							
A002	838	850	12	100	0							
A002	850	881	31	100	31							
A002	881	914	33	92	32							
A002	914	945	31	100	47							
A002	945	972	27	100	23							
A002	972	1001	29	100	29							
A002	1001	1018	17	91	73							
A003												
AUMM			SAMPLE	AU1	Au							
R				ppb	ppm							
ALAB			PDI RESEARCH									
ATYP			SLUDGE									
AMTH			WET GEOCHEM A.A.									
A003	244	274	52243	65								
A003	274	305	52244	40								
A003	305	335	52245	515								
A003	335	366	52246	NSS								
A003	366	396	52247	NSS								
A003	396	427	52248	NSS								
A003	427	457	52249	NSS								
A003	457	488	52250	NSS								
A003	732	762	52251	310								
A003	762	792	52252	165								
A003	792	823	52253	340								
A003	823	853	52254	170								
A003	853	884	52255	NSS								
A003	884	914	52256	315								
A003	914	945	52257	100								
A003	945	975	52258	NSS								
A003	975	1006	52259	200								
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			ICP									
A004	505	515	14832	1	0.05	4	81	0.10	71	4	4	2.5
A004	515	525	14833	1	0.10	5	103	0.10	79	3	5	2.5
A004	525	540	14834	2	0.05	4	87	0.10	44	3	4	2.5
A004	740	751	14835	3	0.05	5	95	0.10	53	3	4	2.5
A004	751	770	14836	1	0.05	4	76	0.10	55	2	4	2.5
A004	770	790	14837	1	0.10	5	88	0.10	59	2	4	2.5
A004	790	803	14838	4	0.05	4	80	0.10	68	2	4	2.5
A004	803	820	14839	42	0.05	13	125	13.20	67	25	36	2.5
A004	820	830	14840	1	0.05	7	76	0.20	46	10	13	2.5

A004	830	850	14841	1	0.50	21	151	0.05	48	77	60	2.5
A004	850	870	14842	1	0.30	24	176	0.10	34	37	73	2.5
A004	870	890	14843	1	1.10	40	349	0.10	58	7	132	2.5
A004	890	910	14844	1	0.90	40	262	0.10	27	6	130	2.5
A004	910	927	14845	1	0.90	39	308	0.10	40	3	119	2.5
A004	927	947	14846	1	0.30	24	92	0.10	53	2	44	2.5
A004	947	967	14847	1	0.50	31	129	0.05	46	2	72	2.5
A004	967	987	14848	1	0.20	25	110	0.05	91	2	47	2.5
A004	987	1018	14849	1	0.60	26	98	0.05	160	2	44	2.5
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			ICP									
A005	505	515	14832	4	5	1	2.5	2.5	1.5	438	160	
A005	515	525	14833	5	5	1	2.5	2.5	1.5	454	177	
A005	525	540	14834	4	5	1	2.5	2.5	1.5	352	125	
A005	740	751	14835	5	5	1	2.5	5.0	1.5	375	206	
A005	751	770	14836	4	5	1	2.5	2.5	1.5	384	190	
A005	770	790	14837	4	5	1	2.5	5.0	1.5	372	188	
A005	790	803	14838	6	5	1	2.5	2.5	1.5	559	188	
A005	803	820	14839	5	5	1	2.5	2.5	1.5	974	164	
A005	820	830	14840	6	5	1	2.5	2.5	1.5	802	150	
A005	830	850	14841	3	5	7	2.5	6.0	1.5	1073	165	
A005	850	870	14842	1	5	5	2.5	6.0	1.5	473	102	
A005	870	890	14843	1	5	23	2.5	7.0	1.5	1278	197	
A005	890	910	14844	3	5	13	2.5	6.0	1.5	1202	249	
A005	910	927	14845	3	5	20	2.5	7.0	1.5	1036	221	
A005	927	947	14846	1	5	7	2.5	2.5	1.5	477	66	
A005	947	967	14847	2	5	7	2.5	2.5	1.5	504	75	
A005	967	987	14848	1	5	8	2.5	6.0	1.5	546	89	
A005	987	1018	14849	2	5	8	7.0	6.0	1.5	560	96	
A006												
AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR			
R				%	%	%	ppm	ppm	ppm			
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			ICP									
A006	505	515	14832	0.73	0.28	0.05	0.05	22.0	1.0			
A006	515	525	14833	1.08	0.51	0.05	0.07	31.0	1.0			
A006	525	540	14834	0.75	0.30	0.04	0.06	28.0	1.0			
A006	740	751	14835	0.99	0.37	0.05	0.02	20.0	1.0			
A006	751	770	14836	0.84	0.35	0.05	0.03	21.0	1.0			
A006	770	790	14837	0.92	0.41	0.05	0.05	26.0	1.0			
A006	790	803	14838	0.65	0.19	0.05	0.01	13.0	0.5			
A006	803	820	14839	0.93	0.31	0.05	0.00	14.0	0.5			
A006	820	830	14840	0.61	0.23	0.05	0.00	9.0	0.5			
A006	830	850	14841	2.36	2.56	0.09	0.09	87.0	1.0			
A006	850	870	14842	1.68	2.07	0.07	0.10	53.0	2.0			
A006	870	890	14843	4.43	5.28	0.05	0.08	160.0	0.5			
A006	890	910	14844	3.45	4.77	0.06	0.02	100.0	0.5			
A006	910	927	14845	3.37	4.95	0.06	0.06	134.0	0.5			
A006	927	947	14846	1.84	1.96	0.07	0.14	82.0	1.0			

A006	947	967	14847	1.98	2.27	0.07	0.14	72.0	2.0
A006	967	987	14848	2.15	2.32	0.07	0.17	91.0	2.0
A006	987	1018	14849	2.25	2.29	0.09	0.22	110.0	2.0

/END

Diamond Drill Hole 90-4

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IDEN6B0201V239  DDH90-4  NQ 20AUG90DAL   LECLJUL90S38   DALGRD  0.0
IPRJ      PLACER DOME INC                        MCCONNELL CREEK
S000   00   381 MT  152.40 85.5 -45.0                   7295.00  9528.00    1455.
/SCL        MT.2
LSCL                          LCTM
/NAM                                                          PYMG  CLSECBEPKFCYKAFU
LNAM                                                          CVAKPFTOPVCPGLHELMMA
S001  381   381      152.40 85.5 -41.5
S002  381  1524      152.40 85.5 -39.0
/      000   610        OVBD                    P
R               TILL WITH SOME BOULDERS
/      610  2610        AMGNAMHB   MG           P   320   D(D-  P+P+  P+
L                           5APF            3323
R               MASSIVE TO BLOTCHY APPEARANCE, MINOR BANDING/FOLIATION,
R               GENERALLY PALE GREY, V.F.G. GROUNDMASS WITH DARK GREY-GREEN
R               AMPHIBOLITE. LOWER IN SECTION STRETCHED FRAGMENTS
R               APPEAR (INDICATE VOLCANICLASTIC ORIGIN TO PART OF GNEISS
R               COMPLEX) AT 16.5M.  INTERVALS HAVE BEEN SILICIFIED WITH QUARTZ
R               SEGREGATIONS AND FILLING FRACTURES.  PYRITE AS
R               DISSEMINATIONS AND ALONG FRACTURES.
R               6.1 - 8.1 QVZ AND SERICITIC
R               8.1 - 10.0 SIMILAR TO ABOVE, QUARTZ ALONG FRACTURES
R               10.0 - 12.0 LESS SILICIFICATION
R               12.0 - 14.0 BLOTCHY APPEARANCE, PY WITHIN FRACTURES
R               14.0 - 16.0 WELL DEFINED BANDING/FOLIATION
R               16.0 - 18.0 PALE GREY/YELLOW STRETCHED FRAGMENTS TO 5 CM
R               18.0 - 20.0 SIMILAR TO ABOVE
R               21.7   LARGER FRAGMENTS
R               *REP  22.0 - 24.6 TRANSITION FROM MASSIVE FAINTLY LAMINATED,
R               SLIGHTLY SILICIFIED, MED GRAINED CHLORITIC AMPHIBOLITE TO CHLORI
R               ALONG FOLIATION AND FRACTURES
R               24.6 - 26.1 SIMILAR TO ABOVE
/     2610  2715        CLS5CLCA   FGSC         P SC320         F3F1F2
L                           3GPF
R               CHLORITIC SCHIST, ALTERNATING LIGHT AND DARKER HORIZONS
R               (VARIABLE CARBONATE CONTENT) VERY CALCAREOUS.
/     2715  4560        AMGNAMHB   MG           P GN320
L                           5APF            3323
R               AMPHIBOLITE GNEISS, VERY BLOTCHY APPEARANCE DUE TO STRETCHED
R               FRAGMENTS, SMALL SCALE FOLDING, AND ALTERNATING LIGHT AND DARK
R               COLOURED BANDS.  INCREASE IN SERICITE/EPIDOTE ALTERATION NEAR
R               BASE OF SECTION.   NARROW SECTIONS MORE SCHISTOSE (CHLORITIC)
R               27.15 - 29.0 WITH HORNBLENDE PHENOCRYSTS AND NARROW SECTIONS CHL
R               33.9 - 35.9 DARK GREEN BLACK, BLOTCHY, CHLORITIC
R               35.9 - 37.0 EPIDOTIZED WITH SOME SILICIFICATION, TRACE PYRITE
R               37.0 - 38.0 AS ABOVE
/     4560  4700        CLS5CLCA   FGSC         P SC320
L                           3GPF
R               SHORT INTERVAL CALCAREOUS, CHLORITIC SCHIST, MINOR SECONDARY
R               SILICIFICATION
/     4700  6060        AMGNAMHB   MGMX         P GN320
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L                    5APF
R          AMPHIBOLITE GNEISS, MASSIVE, FINE TO MEDIUM GRAINED.
R          VARIABLE TEXTURE OVER SHORT INTERVALS WITH MINOR INTERVALS MORE
R          MATERIALS (ALMOST SCHISTOSE), GENERALLY UNIT VERY CHLORITIC.
R          47.0 - 49.0 AMPHIBOLITE GNEISS, MED GRAINED
R          49.0 - 50.2 CHLORITIC SCHIST, CALCAREOUS
R          50.2 - 51.0 GNEISS, CHLORITIC
R          51.0 - 53.0 GNEISS, V.F.G., 10CM SCHISTOSE, MINOR EPIDOTE
R          ALTERATION
R          53.0 - 55.2 AS ABOVE, SLIGHT INCREASE IN ALTERATION WITH PA, PY
R          55.2 - 56.4 TOP SECTION BROKEN, QTZ SEGREGATION/VEIN WITH CPY, P
R          CHLORITIC SCHIST
R          56.4 - 58.3 MASSIVE GNEISS
R          58.3 - 60.6 INCREASED SILICIFICATION AND EPIDOTE OVER 20CM,WITH
R          2% PY
/    6060  7000      CLS5CLCA   FGSC       P SH320        L3J1J3
L                      PF
R          CHLORITIC SCHIST, UPPER SECTION CRACKLED, WITH SOME QUARTZ
R          VEINING
R          60.6 - 64.0 DISS PY/PO TO 2%
R          64.0 - 66.0 VERY CALCAREOUS, LESS FISSILE
R          66.0 - 68.0 CALCAREOUS GOUGE, LAST METRE 15% VEIN ZONE
R          68.0 - 70.0 CRACKLED APPEARANCE
/    7000 10500      AMGNAMHB   MG         P GN320
L                    5APF          3323
R          AMPHIBOLITE GNEISS, V.F.TO COARSER GRAINED (THIN
R          SEGREGATIONS) PALE GRAY GROUNDMASS WITH NARROW INTERVALS OF
R          CHLORITIC SCHISTS (10 - 30 CM) CORE IS POORLY FISSILE, VARIABLE
R          DISS. PY/PO UP TO 2% IN COARSE SEGMENTS.  UNIT IS FAINTLY
R          FOLIATED/LAMINATED WITH\METAMORPHIC BIOTITE BEGINING TO APPEAR
R          NEAR BASE OF SECTION.
R          70.0 - 72.0 MASSIVE AMPHIBOLITE 5 CM. QUARTZ VEIN AT BASE
R          72.0 - 74.0 SLIGHTLY SCHISTOSE, VERY CHLORITIC/CALCAREOUS, 72.3-
R          72.4 GOUGE
R          74.0 - 76.0 MASSIVE BANDED
R          76.0 - 78.0 AS ABOVE FRACTURES STEEP TO C.A.
R          78.0 - 80.0 EPIDOTE ALTERATION, COARSE CRYSTALLINE SEGREGATIONS
R          (POSSIBLY INTRUSIVE DYKES OR SILLS)
R          80.0 - 82.0 AS ABOVE REP. OF COARSE MATERIAL
R          82.0 - 84.0 SIMILAR TO ABOVE BANDED/LAMINATED
R          84.0 - 85.6 MASSIVE AMPHIBOLITE
R          85.6 - 87.65 TRACE TO 1% PY
R          87.65 - 90.0 CRACKLED APPEARANCE, SCHISTOSE
R          VERY CALCAREOUS WITH QTZ-CARB-SER-CHL VEINLETS 00 TO C.A.
R          90.0 - 91.0 LAMINATED, V.F.G. AMPHIBOLITE WITH BIOTITE
R          91.0 - 93.0 SIMILAR TO ABOVE WITH 10CM. PALE BEIGE GREY
R          CALC-SILICATE HORIZON (SILICIFIED) AND CALCAREOUS
R          93.0 - 95.0 SIMILAR TO ABOVE, SMALL SCALE FOLD VISIBLE
R          95.0 - 97.0 GNEISS, MASSIVE, SLIGHT BROWN TINGE FROM BIOTITE?
R          CRACKLED APPEARANCE (CALCAREOUS) OVER PART OF SECTION,
R          CARBONATE PARALLEL TO LAMINATIONS
R          97.0 - 99.0 AS ABOVE
R          99.0 - 101.0 INCREASED BIOTITE, GIVES BROWN TINGE, BANDING
R          101.0 - 102.7 MASSIVE, SIMILAR TO ABOVE
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R              102.7 - 105.0 MASSIVE, SIMILAR TO ABOVE
/    1050  1342        AMGNHBPF   FG          P LN320               P1
L                          GAEP          3324
R              THIS SECTION HAS UNDERGONE INTENSE SILICIFICATION/EPIDOTIZATION
R              IN PLACES RESULTING IN A "WELDED" TEXTURE.  THE DISTINCT COLOUR
R              (GREEN-GREY) WITH FINELY CRYSTALINE BROWN RED GARNETS
R              (IRREGULARLY DISTRIBUTED IN PATCHES AND ALONG ORIGINAL
R              FOLIATION) INDICATES SKANIFICATION.  THESE UNITS REACT WITH
R              HC1 TO VARIABLE DEGREES AND HAVE BOTH PY/PO AS DISSEMINATIONS
R              AND COATING FRACTURES.  SULPHIDE CONTENT IS VARIABLE, UP TO
R              SEVERAL PERCENT OVER SHORT INTERVALS.  THIS UNIT IS MAGNETIC
R              (VARIABLE).  FROM PREVIOUS OBSERVATION (SMITHERINGALE) REFERS
R              TO THIS UNIT AS A SKARN.  IT APPEARS TO BE MUCH BETTER
R              DEVELOPED IN THIS SECTION THAN SEEN ELSEWHERE ON THE PROPERTY.
R              105.0 - 107.0 SKARN, MOTTLED APPEARANCE WITH FINELY CRYSTALINE
R              GARNETS
R              107.0 - 109.0 BANDED, AS ABOVE
R              109.0 - 110.0 AS ABOVE
R              110.0 - 112.25 AS ABOVE
R              112.25 - 114.9 MASSIVE GNEISS, NONE SKARNIFIDE
R              114.9 - 116.1 AS ABOVE, 20CM INTERVALS HAVE BEEN SKARNIFIED
R              116.1 - 118.1 "SKARNIFIED" MOTTLED APPEARANCE
R              118.1 - 120.0 AS ABOVE, INCREASED CARBONATE (HCL REATION)
R              120.0 - 121.8 "SKARNIFIED"
R              121.8 - 123.8 GNEISS WITH BROWN BIOTITE, FISSILE AND CALEAREUS
R              123.8 - 125.5 ePIDOTIZED SCHIST MORE FISSILE THAN PREVIOUS,
R              SILICIFIED WITH QUARTZ FILING FRACTURES STEEP ANGLE TO C.A.,
R              3% PY/PO AS DISSEMINATIONS BAND FRACTURE, CLEAVAGE SMEARS
R              125.5 - 126.75 BLACK GREY CALCAREOUS SCHIST (CARBONACIOUS?) A
R              DISTINCT UNIT
R              126.75 - 129.0 SKARN
R              129.0 - 131.0 SKARN
R              131.0 - 133.0 AMPHIBOLITE GNEISS AND SKARN SECTIONS ARE
R              INTERBANDED
R              133.0 - 134.4 SKARN/GNEISS
/    13420 15240       AMGNHBPF   FGMX        P GN320   D)
L                          5AS1          3323
R              AMPHIBOLITE GNEISS FINE TO MEDIUM GRANED MASSIVE PALE GREY
R              BLACK BANDED IN PLACES WITH SOME QUARTZ "VIEN LIKE"
R              SEGREGATIONS VERY FINELY DISSEMINATED PYRITE AND ALONG
R              FRACTURE/CLEVAGES
R              134.4 - 135.0 V.F. DISS PYRITE TO 2%
R              135.0 - 137.0 SIMILAR TO ABOVE
R              137.0 - 139.0 MORE FISSILE THAN PREVIOUS
R              139.0 - 141.0 SIMILAR TO ABOVE
R              141.0 - 142.0 BLOTCHY APPEARANCE, SOME SECONDARY CARBONATE
R              VEINS, ALMOST SCHISTOSE
R              142.0 - 144.0 SIMILAR TO AVAOE
R              144.0 - 145.7 WITH SHORT (.3M) INTERVAL EPIDOTIZED
R              145.7 - 148.0 QUARTZ VEINS (CUT CLEAVAGE) UP TO 25% QV WITH
R              TR CPY
R              148.0 - 150.0 MASSIVE, F.G. AMPHIBOLITE GNEISS
R              150.0 - 152.4 MASSIVE, F.G. AMPHIBOLITE GNEISS
A001
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AUMM			SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%	
R				ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	
ALAB			PDI RESEARCH										
ATYP			SPLIT CORE										
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST										
A001	61	81	14850	2.5		79	1	28	2.13	0.13	0.10	2.58	
A001	81	100	14851	2.5		35	1	19	1.73	0.16	0.07	1.77	
A001	100	120	14852	2.5		52	1	25	1.39	0.13	0.06	2.01	
A001	120	140	14853	2.5		69	1	37	1.95	0.23	0.07	2.87	
A001	140	160	14854	2.5		71	1	35	1.63	0.17	0.04	2.52	
A001	160	180	14855	2.5		79	1	29	1.79	0.21	0.11	2.33	
A001	180	200	14856	2.5		59	1	27	1.66	0.17	0.12	2.38	
A001	246	261	14857	2.5		86	1	43	1.80	0.80	0.06	3.24	
A001	261	2715	14858	2.5		57	1	31	3.17	0.29	0.06	3.14	
A001	2715	290	14859	5		13	1	31	1.45	0.21	0.06	2.81	
A001	339	359	14860	5		66	1	38	1.81	0.44	0.10	2.98	
A001	359	370	14861	15		45	1	31	1.61	0.34	0.08	2.42	
A001	370	380	14862	2.5		55	1	33	1.64	0.31	0.08	2.52	
A001	446	456	14863	25		7	1	40	1.64	0.62	0.05	2.74	
A001	456	470	14864	20		7	1	50	2.91	1.03	0.04	3.51	
A001	470	490	14865	130		7	1	46	2.05	1.35	0.06	3.06	
A001	490	510	14866	20		3	1	46	2.47	1.17	0.06	3.24	
A001	510	530	14867	2.5		4	1	44	1.76	1.27	0.05	2.95	
A001	530	552	14868	2.5		2	1	40	1.68	1.24	0.08	2.86	
A001	552	564	14869	40		80	1	49	3.54	1.04	0.04	3.85	
A001	564	583	14870	2.5		1	1	42	1.47	0.67	0.06	2.94	
A001	583	606	14871	2.5		64	1	40	1.93	0.46	0.04	3.27	
A001	606	640	14872	20		96	1	67	5.49	0.39	0.01	5.61	
A001	640	660	14873	2.5		75	2	64	6.61	0.39	0.01	5.56	
A001	660	680	14874	2.5		40	2	85	9.29	0.28	0.00	5.64	
A001	680	700	14875	2.5		69	2	70	6.97	0.23	0.01	5.83	
A001	700	720	14876	20		72	1	38	2.30	0.18	0.06	3.30	
A001	720	740	14877	2.5		74	1	61	4.46	0.43	0.04	5.02	
A001	740	760	14878	2.5		106	1	36	1.39	0.43	0.12	3.00	
A001	760	780	14879	2.5		77	1	39	1.62	0.36	0.12	3.12	
A001	780	800	14880	2.5		105	1	36	1.72	0.24	0.12	2.88	
A001	800	820	14881	5		92	1	39	1.46	0.35	0.11	3.05	
A001	820	840	14882	15		78	16	35	1.93	0.31	0.16	2.83	
A001	840	856	14883	2.5		82	2	33	1.27	0.31	0.10	2.64	
A001	856	8765	14884	10		95	2	42	1.72	0.38	0.12	3.33	
A001	8765	900	14885	2.5		100	1	55	2.47	0.23	0.06	4.21	
A001	900	910	14886	2.5		131	1	33	1.81	0.23	0.12	3.74	
A001	910	930	14887	2.5		127	1	31	1.44	0.24	0.10	2.94	
A001	930	950	14888	2.5		73	1	28	1.93	0.24	0.10	2.17	
A001	950	970	14889	2.5		51	1	29	2.59	0.24	0.10	2.33	
A001	970	990	14890	20		44	1	61	4.14	0.48	0.05	3.88	
A001	990	1010	14891	2.5		64	1	30	1.68	0.31	0.13	2.14	
A001	1010	1027	14892	2.5		85	1	31	1.90	0.30	0.19	2.67	
A001	1027	1050	14893	2.5		99	1	38	1.89	0.50	0.13	2.67	
A001	1050	1070	14894	2.5		100	4	36	2.99	0.24	0.07	1.74	
A001	1070	1090	14895	2.5		91	2	29	2.16	0.21	0.08	1.88	Epidotized &
A001	1090	1100	14896	2.5		111	2	31	2.44	0.15	0.12	1.69	Silicified Zone
A001	1100	11225	14897	2.5		62	1	23	3.30	0.05	0.08	1.06	
A001	11225	1149	14898	2.5		70	1	18	1.36	0.12	0.10	1.47	

A001	1149	1161	14899	2.5	220	1	21	1.26	0.17	0.12	2.77	
A001	1161	1181	14900	2.5	92	1	43	2.67	0.08	0.07	1.44	
A001	1181	1200	14901	125	122	2	28	2.58	0.10	0.08	1.81	
A001	1200	1218	14902	2.5	49	1	31	3.13	0.06	0.06	1.33	Epidotized &
A001	1218	1238	14903	2.5	160	1	78	4.09	0.82	0.08	4.40	
A001	1238	1255	14904	15	55	2	41	4.04	0.39	0.06	2.59	Silicified Zone
A001	1255	12675	14905	2.5	37	5	72	7.32	0.85	0.04	4.76	
A001	12675	1290	14906	15	58	2	12	3.08	0.01	0.02	0.88	
A001	1290	1310	14907	10	57	2	16	2.56	0.04	0.06	0.85	
A001	1310	1330	14908	2.5	64	1	11	1.76	0.09	0.08	1.06	
A001	1330	1350	14909	2.5	78	1	18	2.02	0.18	0.10	1.55	
A001	1350	1370	14910	10	50	1	24	1.76	0.23	0.17	2.15	
A001	1370	1390	14911	2.5	74	1	36	1.52	0.61	0.13	2.69	
A001	1390	1410	14912	2.5	89	1	43	1.56	0.59	0.13	3.34	
A001	1410	1420	14913	5	117	2	60	3.96	0.41	0.02	4.42	
A001	1420	1440	14914	10	117	1	37	1.63	0.39	0.07	2.92	
A001	1440	1457	14915	5	109	3	26	1.56	0.23	0.08	2.44	
A001	1457	1480	14916	2.5	117	1	37	1.05	0.72	0.08	2.98	
A001	1480	1500	14917	2.5	181	1	43	1.34	0.58	0.08	3.97	
A001	1500	1524	14918	2.5	110	1	46	1.12	0.68	0.11	3.35	

A002

AUMM				RECOVY	RQD
A002	91	107	16	96	49
A002	107	122	15	100	69
A002	122	137	15	100	69
A002	137	152	15	100	47
A002	152	168	16	100	64
A002	168	183	15	100	69
A002	183	198	15	100	75
A002	198	213	15	93	69
A002	213	244	31	97	72
A002	244	259	15	100	93
A002	259	274	15	100	65
A002	274	290	16	100	74
A002	290	305	15	100	90
A002	305	320	15	100	79
A002	320	335	15	100	87
A002	335	351	16	100	79
A002	351	366	15	100	78
A002	366	381	15	100	92
A002	381	396	15	100	71
A002	396	412	16	100	60
A002	412	427	15	100	87
A002	427	457	30	100	62
A002	457	488	31	97	54
A002	488	518	30	82	61
A002	518	549	31	100	72
A002	549	579	30	83	33
A002	579	610	31	89	47
A002	610	640	30	100	73
A002	640	671	31	93	50
A002	671	698	27	95	17
A002	698	724	26	78	09
A002	724	756	32	100	16

A002	756	787	31	78	48
A002	787	818	31	100	50
A002	818	849	31	100	65
A002	849	879	30	100	76
A002	879	911	32	100	62
A002	911	943	32	100	72
A002	943	975	32	100	62
A002	975	1006	31	100	68
A002	1006	1036	30	100	71
A002	1036	1067	31	100	72
A002	1067	1082	15	100	87
A002	1082	1097	15	100	72
A002	1097	1113	16	100	79
A002	1113	1128	15	100	77
A002	1128	1143	15	100	81
A002	1143	1158	15	100	83
A002	1158	1173	15	100	65
A002	1173	1188	15	100	79
A002	1188	1204	16	100	69
A002	1204	1219	15	100	84
A002	1219	1234	15	100	43
A002	1234	1250	16	100	29
A002	1250	1265	15	100	45
A002	1265	1280	15	100	35
A002	1280	1295	15	100	43
A002	1295	1311	16	100	74
A002	1311	1326	15	100	70
A002	1326	1341	15	100	83
A002	1341	1356	15	100	81
A002	1356	1372	16	100	56
A002	1372	1387	15	100	97
A002	1387	1402	15	100	89
A002	1402	1414	12	100	42
A003					
AUMM			SAMPLE	AU1	Au
R				ppm	ppm
ALAB			PDI RESEARCH		
ATYP			SLUDGE		
AMTH			WET GEOCHEM A.A.		
A003	91	122	52260	25	
A003	122	152	52261	55	
A003	152	183	52262	85	
A003	183	213	52263	35	
A003	213	244	52264	35	
A003	244	274	52265	60	
A003	274	305	52266	30	
A003	305	335	52267	35	
A003	335	366	52268	15	
A003	366	396	52269	20	
A003	396	427	52270	5	
A003	427	457	52271	25	
A003	457	488	52272	50	
A003	488	518	52273	125	
A003	518	549	52274	20	

A003	549	579	52275	5								
A003	579	610	52276	2.5								
A003	610	640	52277	10								
A003	640	670	52278	2.5								
A003	670	701	52279	2.5								
A003	701	732	52280	30								
A003	732	762	52281	2.5								
A003	762	792	52282	NSS								
A003	792	823	52283	2.5								
A003	823	853	52284	NSS								
A003	853	884	52285	2.5								
A003	884	914	52286	2.5								
A003	914	945	52287	NSS								
A003	945	975	52288	2.5								
A003	975	1006	52289	NSS								
A003	1006	1036	52290	NSS								
A003	1036	1067	52291	NSS								
A003	1067	1097	52292	NSS								
A003	1097	1128	52293	25								
A003	1128	1158	52294	2.5								
A003	1158	1189	52295	10								
A003	1189	1219	52296	350								
A003	1219	1250	52297	NSS								
A003	1250	1280	52298	NSS								
A003	1280	1311	52299	NSS								
A003	1311	1341	52300	2.5								
A003	1341	1372	52301	NSS								
A003	1372	1402	52302	2.5								
A003	1402	1433	52303	2.5								
A003	1433	1463	52304	NSS								
A003	1463	1494	52305	2.5								
A003	1494	1524	52306	NSS								
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			ICP									
A004	61	81	14850	1	0.30	31	100	0.05	42	9	46	2.5
A004	81	100	14851	1	0.10	24	120	0.10	20	19	44	2.5
A004	100	120	14852	1	0.20	25	131	0.05	17	13	57	2.5
A004	120	140	14853	1	0.40	28	139	0.05	29	14	69	2.5
A004	140	160	14854	1	0.20	24	109	0.05	27	5	51	2.5
A004	160	180	14855	3	0.20	22	93	0.05	31	1	39	2.5
A004	180	200	14856	1	0.20	25	113	0.10	30	6	48	2.5
A004	246	261	14857	1	0.20	16	45	0.10	111	2	9	2.5
A004	261	2715	14858	1	0.30	21	175	0.10	46	3	54	2.5
A004	2715	290	14859	1	0.40	15	47	0.05	55	1	13	2.5
A004	339	359	14860	1	0.30	25	101	0.05	45	2	39	2.5
A004	359	370	14861	1	0.20	22	97	0.05	32	3	24	2.5
A004	370	380	14862	1	0.30	27	97	0.05	29	5	37	2.5
A004	446	456	14863	1	0.20	15	86	0.05	85	2	30	2.5
A004	456	470	14864	1	0.40	17	122	0.05	113	3	60	2.5
A004	470	490	14865	1	0.30	19	140	0.05	134	4	60	2.5

A004	490	510	14866	1	0.40	17	140	0.05	131	3	58	2.5
A004	510	530	14867	1	0.50	19	123	0.05	139	2	57	2.5
A004	530	552	14868	1	0.20	19	141	0.05	139	2	56	2.5
A004	552	564	14869	1	0.50	21	118	0.05	122	2	59	2.5
A004	564	583	14870	1	0.30	20	146	0.10	88	2	90	2.5
A004	583	606	14871	1	0.40	29	86	0.10	42	5	42	2.5
A004	606	640	14872	1	1.00	38	181	0.10	29	6	84	2.5
A004	640	660	14873	1	1.00	36	175	0.10	23	3	84	2.5
A004	660	680	14874	1	0.80	36	313	0.10	31	3	120	2.5
A004	680	700	14875	1	1.00	37	293	0.05	22	3	97	2.5
A004	700	720	14876	1	0.30	32	120	0.05	24	1	52	2.5
A004	720	740	14877	1	0.90	35	205	0.05	59	3	84	2.5
A004	740	760	14878	1	0.40	28	149	0.05	52	2	76	2.5
A004	760	780	14879	1	0.50	25	115	0.05	51	2	57	2.5
A004	780	800	14880	1	0.40	22	94	0.10	37	3	55	2.5
A004	800	820	14881	1	0.30	24	79	0.10	54	2	41	2.5
A004	820	840	14882	1	0.50	25	97	0.10	59	2	49	2.5
A004	840	856	14883	1	0.20	23	96	0.10	42	2	52	2.5
A004	856	8765	14884	2	0.30	28	122	0.10	54	4	54	2.5
A004	8765	900	14885	1	0.10	29	55	0.10	23	4	25	2.5
A004	900	910	14886	1	0.30	29	73	0.10	21	3	36	2.5
A004	910	930	14887	1	0.20	26	65	0.10	33	3	30	2.5
A004	930	950	14888	1	0.20	19	59	0.10	24	2	28	2.5
A004	950	970	14889	1	0.05	23	95	0.05	20	2	44	2.5
A004	970	990	14890	1	0.10	24	89	0.10	31	3	44	2.5
A004	990	1010	14891	1	0.05	19	62	0.05	29	3	31	2.5
A004	1010	1027	14892	1	0.05	20	54	0.05	26	3	13	2.5
A004	1027	1050	14893	1	0.05	25	95	0.05	33	3	41	2.5
A004	1050	1070	14894	1	0.05	24	74	0.05	12	2	28	2.5
A004	1070	1090	14895	1	0.05	16	72	0.05	11	5	12	2.5
A004	1090	1100	14896	1	0.05	19	62	0.05	12	3	11	2.5
A004	1100	11225	14897	1	0.05	14	77	0.05	8	3	8	2.5
A004	11225	1149	14898	1	0.05	11	38	0.05	9	2	6	2.5
A004	1149	1161	14899	1	0.05	19	52	0.05	16	3	9	2.5
A004	1161	1181	14900	1	0.10	15	59	0.05	8	3	8	2.5
A004	1181	1200	14901	1	0.05	21	58	0.05	9	3	9	2.5
A004	1200	1218	14902	1	0.05	13	65	0.05	7	3	6	2.5
A004	1218	1238	14903	1	0.10	25	58	0.20	43	5	9	2.5
A004	1238	1255	14904	1	0.05	20	64	0.05	20	4	9	2.5
A004	1255	12675	14905	1	0.20	25	78	0.05	70	6	29	2.5
A004	12675	1290	14906	1	0.05	9	59	0.10	15	3	4	2.5
A004	1290	1310	14907	1	0.05	10	51	0.05	10	2	5	2.5
A004	1310	1330	14908	1	0.20	11	44	0.10	7	2	10	2.5
A004	1330	1350	14909	1	0.10	15	51	0.10	10	2	13	2.5
A004	1350	1370	14910	2	0.20	14	90	0.05	21	5	14	2.5
A004	1370	1390	14911	1	0.05	24	83	0.05	62	7	40	2.5
A004	1390	1410	14912	1	0.10	25	55	0.05	55	12	28	2.5
A004	1410	1420	14913	1	0.05	26	106	0.10	37	4	39	2.5
A004	1420	1440	14914	1	0.30	28	90	0.10	34	6	49	2.5
A004	1440	1457	14915	1	0.05	27	87	0.10	21	12	54	2.5
A004	1457	1480	14916	1	0.20	25	87	0.10	69	14	47	2.5
A004	1480	1500	14917	1	0.10	32	90	0.10	49	28	57	2.5
A004	1500	1524	14918	1	0.20	26	66	0.10	48	4	38	2.5
A005												

AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR
R				ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm
ALAB			PDI RESEARCH								
ATYP			SPLIT CORE								
AMTH			ICP								
A005	61	81	14850	1	5	5	2.5	2.5	1.5	441	99
A005	81	100	14851	1	5	4	2.5	2.5	1.5	323	51
A005	100	120	14852	1	5	4	2.5	5.0	1.5	355	75
A005	120	140	14853	1	5	5	5.0	7.0	1.5	506	58
A005	140	160	14854	1	5	3	2.5	2.5	1.5	427	60
A005	160	180	14855	1	5	5	2.5	2.5	1.5	398	131
A005	180	200	14856	1	5	6	2.5	6.0	1.5	389	138
A005	246	261	14857	8	5	3	2.5	2.5	1.5	564	145
A005	261	2715	14858	3	5	7	2.5	5.0	1.5	570	90
A005	2715	290	14859	4	5	4	2.5	2.5	1.5	408	121
A005	339	359	14860	1	5	7	2.5	2.5	1.5	515	128
A005	359	370	14861	2	5	5	2.5	2.5	1.5	400	110
A005	370	380	14862	2	5	6	5.0	2.5	1.5	433	103
A005	446	456	14863	8	5	3	2.5	2.5	1.5	564	138
A005	456	470	14864	8	5	4	2.5	2.5	1.5	741	150
A005	470	490	14865	9	5	3	2.5	2.5	1.5	658	157
A005	490	510	14866	11	5	4	5.0	5.0	1.5	662	158
A005	510	530	14867	7	5	3	2.5	7.0	1.5	597	142
A005	530	552	14868	9	5	4	2.5	2.5	1.5	553	173
A005	552	564	14869	6	5	4	2.5	2.5	1.5	808	177
A005	564	583	14870	5	5	4	2.5	2.5	1.5	532	89
A005	583	606	14871	2	5	5	6.0	2.5	1.5	584	75
A005	606	640	14872	1	5	13	2.5	5.0	1.5	1064	102
A005	640	660	14873	1	5	17	2.5	2.5	1.5	1068	138
A005	660	680	14874	1	5	19	2.5	5.0	1.5	1236	128
A005	680	700	14875	1	5	24	2.5	2.5	1.5	1131	110
A005	700	720	14876	1	5	8	2.5	2.5	1.5	581	67
A005	720	740	14877	1	5	20	2.5	2.5	1.5	978	103
A005	740	760	14878	1	5	6	2.5	2.5	1.5	491	41
A005	760	780	14879	1	5	6	6.0	2.5	1.5	550	87
A005	780	800	14880	1	5	5	2.5	2.5	1.5	492	53
A005	800	820	14881	2	5	5	2.5	2.5	1.5	492	67
A005	820	840	14882	2	5	6	2.5	2.5	1.5	481	367
A005	840	856	14883	2	5	4	2.5	5.0	1.5	404	125
A005	856	8765	14884	3	5	7	2.5	8.0	1.5	519	131
A005	8765	900	14885	2	5	5	2.5	5.0	1.5	670	177
A005	900	910	14886	3	5	5	2.5	6.0	1.5	473	69
A005	910	930	14887	4	5	5	2.5	2.5	1.5	383	74
A005	930	950	14888	4	5	4	2.5	2.5	1.5	367	131
A005	950	970	14889	2	5	5	2.5	6.0	1.5	426	58
A005	970	990	14890	1	5	12	2.5	2.5	1.5	742	108
A005	990	1010	14891	3	5	7	2.5	2.5	1.5	369	87
A005	1010	1027	14892	4	5	7	2.5	2.5	1.5	384	102
A005	1027	1050	14893	1	5	6	2.5	2.5	1.5	376	91
A005	1050	1070	14894	3	5	3	2.5	6.0	1.5	255	62
A005	1070	1090	14895	4	5	3	2.5	2.5	1.5	204	55
A005	1090	1100	14896	5	5	4	2.5	2.5	1.5	206	84
A005	1100	11225	14897	4	5	3	2.5	2.5	1.5	168	84
A005	11225	1149	14898	2	5	2	2.5	2.5	1.5	252	30

A005	1149	1161	14899	2	5	3	2.5	5.0	1.5	248	29
A005	1161	1181	14900	3	5	3	2.5	5.0	1.5	207	76
A005	1181	1200	14901	3	5	3	2.5	5.0	1.5	206	57
A005	1200	1218	14902	3	5	3	2.5	2.5	1.5	221	75
A005	1218	1238	14903	9	5	7	2.5	2.5	3.0	765	111
A005	1238	1255	14904	4	5	7	2.5	5.0	1.5	573	116
A005	1255	12675	14905	4	5	13	2.5	6.0	1.5	984	150
A005	12675	1290	14906	1	5	2	2.5	2.5	1.5	240	53
A005	1290	1310	14907	2	5	2	2.5	2.5	1.5	153	48
A005	1310	1330	14908	4	5	2	2.5	2.5	1.5	162	97
A005	1330	1350	14909	4	5	3	2.5	5.0	1.5	211	61
A005	1350	1370	14910	5	5	5	2.5	6.0	1.5	341	57
A005	1370	1390	14911	2	5	7	2.5	2.5	3.0	423	56
A005	1390	1410	14912	4	5	6	2.5	6.0	1.5	523	51
A005	1410	1420	14913	1	5	12	2.5	2.5	1.5	902	85
A005	1420	1440	14914	1	5	7	5.0	2.5	1.5	455	55
A005	1440	1457	14915	1	5	4	2.5	2.5	1.5	352	36
A005	1457	1480	14916	2	5	4	2.5	2.5	1.5	379	88
A005	1480	1500	14917	2	5	5	2.5	5.0	1.5	458	33
A005	1500	1524	14918	2	5	5	2.5	2.5	1.5	488	34
A006											
AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR		
R				%	%	%	ppm	ppm	ppm		
ALAB			PDI RESEARCH								
ATYP			SPLIT CORE								
AMTH			ICP								
A006	61	81	14850	1.94	1.76	0.07	0.13	68.0	2.0		
A006	81	100	14851	1.40	1.26	0.07	0.12	52.0	2.0		
A006	100	120	14852	1.64	1.67	0.07	0.12	52.0	2.0		
A006	120	140	14853	2.31	2.44	0.06	0.13	78.0	1.0		
A006	140	160	14854	2.05	2.13	0.10	0.13	59.0	1.0		
A006	160	180	14855	1.93	1.63	0.07	0.14	72.0	2.0		
A006	180	200	14856	1.93	1.81	0.05	0.14	65.0	1.0		
A006	246	261	14857	1.96	1.40	0.12	0.15	63.0	1.0		
A006	261	2715	14858	2.28	2.43	0.06	0.11	85.0	1.0		
A006	2715	290	14859	1.76	1.45	0.11	0.13	63.0	1.0		
A006	339	359	14860	2.57	2.29	0.07	0.20	96.0	2.0		
A006	359	370	14861	1.88	1.59	0.08	0.17	64.0	1.0		
A006	370	380	14862	2.09	1.88	0.07	0.18	80.0	1.0		
A006	446	456	14863	1.84	1.57	0.12	0.13	51.0	1.0		
A006	456	470	14864	2.61	2.45	0.12	0.13	65.0	1.0		
A006	470	490	14865	2.57	2.25	0.12	0.15	59.0	1.0		
A006	490	510	14866	2.55	2.20	0.12	0.15	61.0	1.0		
A006	510	530	14867	2.32	2.09	0.13	0.17	61.0	1.0		
A006	530	552	14868	2.32	1.93	0.13	0.18	60.0	1.0		
A006	552	564	14869	2.74	2.43	0.12	0.11	67.0	0.5		
A006	564	583	14870	2.19	2.38	0.17	0.14	68.0	1.0		
A006	583	606	14871	2.40	2.45	0.09	0.15	79.0	1.0		
A006	606	640	14872	4.25	4.67	0.06	0.11	151.0	0.5		
A006	640	660	14873	4.01	4.44	0.05	0.04	152.0	0.5		
A006	660	680	14874	4.20	4.40	0.05	0.02	134.0	0.5		
A006	680	700	14875	4.27	5.02	0.05	0.03	178.0	0.5		
A006	700	720	14876	2.28	2.60	0.06	0.14	92.0	2.0		
A006	720	740	14877	3.49	4.16	0.06	0.09	162.0	1.0		

A006	740	760	14878	2.03	2.44	0.07	0.13	77.0	2.0
A006	760	780	14879	2.24	2.53	0.07	0.15	86.0	2.0
A006	780	800	14880	1.73	1.62	0.08	0.12	64.0	2.0
A006	800	820	14881	1.87	1.88	0.08	0.13	78.0	1.0
A006	820	840	14882	2.23	2.03	0.07	0.14	74.0	1.0
A006	840	856	14883	1.75	1.77	0.08	0.12	61.0	1.0
A006	856	8765	14884	2.31	2.22	0.08	0.14	88.0	2.0
A006	8765	900	14885	2.49	2.09	0.09	0.13	113.0	1.0
A006	900	910	14886	2.02	1.76	0.09	0.12	98.0	1.0
A006	910	930	14887	1.57	1.23	0.09	0.13	68.0	1.0
A006	930	950	14888	1.31	0.92	0.09	0.11	51.0	1.0
A006	950	970	14889	1.43	1.22	0.09	0.15	57.0	1.0
A006	970	990	14890	2.84	2.81	0.06	0.13	120.0	1.0
A006	990	1010	14891	1.55	1.44	0.07	0.14	72.0	2.0
A006	1010	1027	14892	1.29	0.93	0.11	0.18	74.0	2.0
A006	1027	1050	14893	1.63	1.22	0.07	0.16	79.0	2.0
A006	1050	1070	14894	1.07	0.36	0.10	0.16	48.0	7.0
A006	1070	1090	14895	1.05	0.32	0.10	0.16	54.0	7.0
A006	1090	1100	14896	1.06	0.25	0.14	0.20	55.0	9.0
A006	1100	11225	14897	1.07	0.10	0.12	0.19	41.0	11.0
A006	11225	1149	14898	0.61	0.30	0.05	0.08	31.0	1.0
A006	1149	1161	14899	0.70	0.35	0.06	0.10	42.0	2.0
A006	1161	1181	14900	0.89	0.14	0.12	0.15	41.0	8.0
A006	1181	1200	14901	0.84	0.18	0.11	0.17	41.0	7.0
A006	1200	1218	14902	1.00	0.14	0.12	0.17	42.0	8.0
A006	1218	1238	14903	1.89	1.43	0.15	0.16	97.0	3.0
A006	1238	1255	14904	1.76	0.89	0.11	0.18	69.0	5.0
A006	1255	12675	14905	2.63	2.01	0.09	0.11	106.0	4.0
A006	12675	1290	14906	0.86	0.15	0.10	0.13	30.0	7.0
A006	1290	1310	14907	0.73	0.10	0.10	0.13	32.0	7.0
A006	1310	1330	14908	0.64	0.25	0.09	0.12	33.0	4.0
A006	1330	1350	14909	0.88	0.41	0.10	0.13	47.0	3.0
A006	1350	1370	14910	1.09	0.69	0.10	0.15	61.0	2.0
A006	1370	1390	14911	1.74	1.61	0.07	0.16	85.0	2.0
A006	1390	1410	14912	1.77	1.48	0.09	0.16	94.0	2.0
A006	1410	1420	14913	2.63	2.47	0.08	0.09	116.0	0.5
A006	1420	1440	14914	1.64	1.68	0.06	0.11	73.0	1.0
A006	1440	1457	14915	1.14	1.01	0.07	0.11	48.0	1.0
A006	1457	1480	14916	1.65	1.49	0.07	0.13	71.0	0.5
A006	1480	1500	14917	1.70	1.58	0.08	0.13	81.0	1.0
A006	1500	1524	14918	1.94	1.79	0.08	0.14	89.0	1.0

/END

Diamond Drill Hole 90-5

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IDEN680201V239  DDH90-5  NQ 10AUG90DAL   LECLJUL90S38   DALGRD  0.0
IPRJ      PLACER DOME INC                         MCCONNELL CREEK
S000   000  1000MT  141.73091.5 -45.0                    7300.0   9625.0      1465.0
S001  1000  7000    141.73091.5 -41.5
S002  1000  7000    141.73091.5 -38.5
S003  7000 14173    141.73091.5 -38.0
/SCL        MT.2
LSCL                       LCTM
/NAM                                                       PYMG  CLSECBEPKFCYKAFU
LNAM                                                       CVAKPFTOPVCPGLHELMMA
/      000   305        OVBD                    P
/      305  6340        AMGNHBCL   FG           P F0320   D(    F=
L                          8APF          3323           <+     <*
R               AMPHIBOLITE GNEISS MASSIVE VERY FINE TO MEDIUM GRAINED,
R               BANDED/LAMINATED IN PLACES, WHERE EPIDOTIZED HAS BLOTCHY
R               APPEARANCE.  BASICALLY A VERY NON-DESCRIPT UNIT.  SOME
R               FRACTURE FILLINGS WITH CARBONATE SULPHIDE CONTENT, VARIES
R               CONSIDERABLY (TR-2%)
R               3.05 - 4.3 EPIDOTIZED AND VEINED.  BANDING AND VEINS 0-20
R               DEGREES CA, VEINS TO 1 CM, CHLORITIC, PY/PO TO 3-5%
R               4.3 - 6.5 MASSIVE V.F.G., FOLIATED/FRACTURED AT STEEP ANGLE
R               TO C.A.
R               17.8 - 18.6 BANDING MORE PROMINENT.   GARNETS ASSOCIATED
R               WITH EPIDOTE, PALE COLOURED BAMDS IN AMPHIBOLITE MATRIX
R               18.6 - 20.7 VERY CALCAREOUS, OPEN FRACTURES FILLED WITH
R               QTZ-CARB-CHLORITE UP TO 1 CENTIMETRE WIDTH WITHIN CHLORITIC
R               AMPHIBOLITE
R               20.7 - 22.0 PROMINENT BANDING, PARALLEL TO CA
R               22.0 - 24.15 BANDED
R               24.15 -25.5 BANDED,  10CM  (24.38) OF COARSE
R               AMPHIBOLITE GNEISS SHARP CONTACT TO V.F.G. GNEISS
R               25.5 - 29.4 FELDSPAR PORPHYRY DISTINCT UNIT, IRREGULAR
R               DISTRIBUTION UP TO 10% PLAG PHENOCYRSTS IN  VFG  CYRSTALLINE
R               MATRIX, SUBHEDRAL MILKY WHITE FELDSPARS UP TO 6MM.
R               26.0 - 27.4 BLOTCHY GNEISS UNIT, (FRAGMENTAL?) WITH SECONDARY
R               VEINING OF IRREGULAR ORIENTATION.  VP TO 10% QV IN THIS ZONE.
R               27.4 - 29.3 FELDSPAR PORPHYRY, 1-3% PY/PO DISSEMINATED AND ALONG
R               STEEP FRACTURES TO CA
R               29.3 - 32.0 BANDED, EPIDOTIZED WITH GARNETS
R               32.0 - 33.75 AS ABOVE WITH GARNETS, MASSIVE, WELDED APPEARANCE
R               33.75 - 36.0 VERY FINE GRAINED CHLORITIC GNEISS WITH QTZ FILLED
R               FRACTURES LOW ANGLE TO C.A. FRACTURES HAVE CHLORITE AND
R               SULPHIDES (TO 5%), OPEN FRACTURES HAVE CRYSTALLINE CARBONATE.
R               36.0 - 37.6 GNEISS, BANDED WITH EPIDOTE AS PREVIOUS
R               37.6 - 53.1 BANDED GNEISS WITH LIMITED SECONDARY FRACTURES -
R               THIS SECTION HAS BEEN EPIDOTIZED WITH SOME DEVELOPMENT OF
R               GNEISS.  ALTERATION NOT AS INTENSE AS PREVIOUS DRILL HOLE.
R               44.0 - 46.0 BANDED GNEISS WITH CARBONATE FILLED FRACTURE, TR
R               CPY WITH PO ALONG BANDS
R               46.0 - 48.0 INCREASED EPIDOTIZATION  AND SILICIFICATION, WELDED
R               48.0 - 50.0 SIMILAR TO ABOVE,  TRACE GARNETS, CARBONATE-CHLORITE
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R               FRACTURES (1CM), INCREASED CHLORITE.
R               50.0 - 52.0 INCREASED SILICIFICATION AND EPIDOTIZATION WITH
R               PO/PY ALONG FRACTURES AND CLEAVAGE
R               52.0 - 53.5 AS ABOVE, ENDS IN COARSE CRYSTALLINE CHLORITE
R               SEGREGATION WITH 4CM QV WITH SULPHIDES
R               53.5 - 59.4 BANDED GNEISS VERY LIMITED EPIDOTIZATION, INCREASED
R               DEVELOPMENT BIOTITE GIVES CORE BROWN-RED TINGE, COARSE DIORITE?
R               SEGREGATIONS TO 10CM.   LOWER PART OF SECTION IS EPIDOTIZED
R               AND SILICIFIED.
R               59.4 - 61.4 BANDED GNEISS WITH NARROW CHLORITIC SCHIST SEGMENTS
R               AND SECONDARY VEINING (60.4-61.4), GREY SMOKEY QUARTZ ALONG
R               FRACTURES WITH PO, MILKY QUARTZ WITHIN EARLIER FRACTURES.
R               61.4 - 63.4 SIMILAR TO ABOVE, LESS SECONDARY QUARTZ, APPEARS
R               MORE SILICIFIED WITH PO AS DISSEMINATIONS AND ALONG CLEAVAGE
/     6340  6440       CLS4CLCB             P SC320        P4P1P3
L                          GASE          3334
R               CHLORITIC SCHIST, CHLORITE-CARBONATE-SERICITE, VERY FISSILE
/     6440  9500       AMGNHBPF             P BN320   D(    F=    P3
L                          8ACL          3344          <+       <+
R               64.4 - 66.0 EPIDOTIZED/SILICIFIED, VERY CHLORITIC WITH TRACE
R               GARNETS, PY/PO AS FRACTURE FILLINGS,-TR-2%
R               66.0 - 68.0 AS ABOVE
R               68.0 - 69.65 EPIDOTIZED/SILICIFIED WELDED APPEARANCE WITH COARSE
R               GRAINED SEGMENT (69.0 - 69.3)
R               69.65 - 71.0 BANDS BROWN BIOTITE SCHIST TO 2CM, FINE GRAINED
R               GNEISS, CHLORITIC WITH PY/PO ALONG CLEAVAGE.
R               71.0 - 72.2 LESS EPIDOTE THAN PREVIOUS, COARSE TO FG GNEISS
R               76.3 - 78.3 SILICIFIED, CLEAVAGE/BANDING PARALLEL.
R               MAFIC SEGMENTS WITH BI/HB
R               78.3 - 80.37 AS ABOVE
R               80.37 - 81.12 FELDSPAR PORPHYRY GNEISS WITH PLAG PHENOS TO 3
R               81.12 - 82.62 BLOTCHY, EPIDOTIZED WITH GARNETS
R               82.62 - 86.25 GREY-GREEN TO DARK GREEN GNEISS, RELIC BANDING
R               VISIBLE WITH MODERATE ALTERATION (EPIDOTE, CHLORITE).
R               86.25 - 88.0 INCREASED ALTERATION, NARROW (CM) BANDS OF GARNET
R               RICH STRATA (WAVY TEXTURE), SULPHIDES ALONG CLEAVAGE
R               88.0 - 90.0 SIMILAR TO PREVIOUS
R               90.0 - 92.0 SILICIFIED, EPIDOTIZED WITH CHLORITE, SIMILAR TO
R               ABOVE
R               92.0 - 93.15 INTENSE ALTERATION SULPHIDES ALONG CLEAVAGE AND
R               MICROFRACTURES AT LOW ANGLE TO C.A.
R               93.15 - 95.0 MED TO COARSE GRAINED GNEISS, MUCH LESS ALTERED
R               THAN PREVIOUS
/     9500 10950       AMGNHBPF   FG        P BN320   D(    F=
L                          5ACL          3323
R               AMPHIBOLITE GNEISS, MASSIVE,  GENERALLY FINE TO MEDIUM GRAINED,
R               LAMINATIONS/BANDING WITH GOOD CLEAVAGE.
R               NARROW INTERVALS OF PALE YELLOW-GREEN SILICIFIED (AND EPIDOTIZED
R               GNEISS WITH TRACE TO 1% DISSEMINATED SULPHIDES
R               101.4 - 101.8, 102.6-102.7, CONTACTS PARALLEL TO CLEAVAGE
R               SECTIONS OF CHLORITE RICH MATERIAL WITHIN GREY GNEISS, (REP. SAM
R               103.62) OF SUCH.  THIS REPRSENTS A SMALL PERCENT OF SECTION.
R               95.0 - 97.0 SLIGHT INCREASE IN PY/PO, SOME CHLORITE/GARNET
/    10950 11210       AMGNHBCLMF FGFO      P FO320
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L 5APF 2223
R 109.5 - 111.3 F.G. GNEISS, LOWER HALF HAS PEGMATITIC DYKE,
R AND 10CM MONZONITE? DYKE.
R 111.3 - 112.1 MASSIVE CHLORITIC GNEISS
/ 11210 11430 PGDKKFPFKF CGMX P MX
L 8US1
R COARSE CRYSTALLINE PEGMATITE DYKE, U.C. 10 DEGREES C.A.
/ 11430 11890 CLS4CLCBCL FG P BN320 F3F1F2
L AG 2223 D+
R CHLORITIC SCHIST WITH 1 CENTIMETRE QUARTZ VEINS STEEP ANGLE
R TO C.A. WITH INCREASED PY/PO
R 114.3 - 116.5 AS ABOVE, <7% QVZ BASE SCHIST VERY CALCAREOUS
R 116.5 - 118.9 BROKEN CORE, QTZ-CARB VEINS (10%), VERY CHLORITIC,
R (VEINS TO 3CM)
/ 11890 13000 AMGNHBCLMF MGMX P GN320
L 5APF 2233
R MASSIVE, FINE-MED. GRAINED AMPHIBOLITE GNEISS, VERY CHLORITIC.
R IN UPPER SECTION THIS UNIT HAS UNDERGONE VARYING DEGREES OF
R EPIDOTIZATION/SILICIFICATION, GENERALLY LESS INTENSE THAN UPPER
R PART OF HOLE
R 118.9 - 121.0 VERY CHLORITIC, FISSILE, NOT QUITE A SCHIST
R 121.0 - 130.0 MASSIVE FINELY CRYSTALLINE AMPHIBOLITE, SOME
R NARROW (30CM) SECTIONS MORE CHLORITIC/CALCAREOUS, SOME STEEP
R FRACTURES WITH SERICITE/EPIDOTE
/ 13000 14173 AMGNHBCLMF BN P GN320
L 5APF 2233
R MASSIVE, FINE TO COARSE GRAINED GNEISS BLOTCHY APPEARANCE DUE
R TO POSSIBLE DIORITE SEGREGATIONS AND INCREASED ALTERATION
R FROM PREVIOUS SECTION (EPIDOTE/SILICIFICATION).
R 130.0 - 132.0 CHLORITE, CARBONATE EPIDOTE ALT. ALONG FRACTURES
R STEEP TO C.A. WITH DISS PY (1-2%)
R 132.0 - 134.0 SEVERAL (10CM) SEGREGATIONS OF COARSE AMPHIBOLITE
R WITH 1-3% PY - INCREASED EPIDOTE
R 134.0 - 136.0 SIMILAR TO ABOVE, LESS CHLORITIC
R 136.0 - 138.0 COARSER BANDING WITH EPIDOTE/SILICIFICATION TO
R 10CM. - 1-2% PY
R 138.0 - 140.0 SEVERAL INTERVALS COARSE SEGREGATIONS (50%
R SECTION), PY 2-3%
R 140.0 - 141.73 WELL FRACTURED, AS ABOVE, CM FRACTURES QUARTZ
R FILLED
A001

AUMM			SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%
R				ppb	ppm	ppm	ppm	ppm	ppm	%	%	%
ALAB		PDI RESEARCH										
ATYP		SPLIT CORE										
AMTH		WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST										
A001	305	430	14919	40		95	1	65	5.29	0.53	0.04	4.12
A001	430	650	14920	3		94	1	38	1.21	0.65	0.10	3.00
A001	1780	1860	14921	3		80	1	39	4.33	0.13	0.08	2.80
A001	1860	2070	14922	385		50	2	59	8.42	0.42	0.04	3.90
A001	2070	2200	14923	10		55	1	41	4.02	0.44	0.08	2.94
A001	2200	2415	14924	3		61	1	30	2.10	0.27	0.12	2.12
A001	2415	2600	14925	15		47	1	50	2.50	0.11	0.11	1.13
A001	2600	2740	14926	5		57	1	20	1.35	0.14	0.10	1.48

A001	2740	2930	14927	3		141	2	9	2.57	0.06	0.10	1.43	
A001	2930	3200	14928	10		61	2	25	2.70	0.13	0.11	1.74	
A001	3200	3375	14929	10		75	2	31	3.80	0.31	0.06	1.97	
A001	3375	3600	14930		5.25	82	50	57	10.00	0.78	0.01	4.28	
A001	3600	3760	14931	10		69	1	50	3.63	0.43	0.08	3.50	
A001	4400	4600	14932	3		57	1	29	3.90	0.06	0.07	1.34	
A001	4600	4800	14933	3		51	1	16	2.63	0.08	0.07	1.33	
A001	4800	5000	14934	3		63	1	22	2.87	0.09	0.07	1.20	
A001	5000	5200	14935	3		54	2	20	2.15	0.03	0.04	0.78	
A001	5200	5350	14936	5		160	1	11	1.46	0.10	0.12	1.91	
A001	5940	6140	14937	10		65	1	31	3.46	0.20	0.06	1.97	
A001	6140	6340	14938	50		58	3	20	3.20	0.10	0.05	1.15	
A001	6340	6440	14939	10		30	2	73	9.82	0.49	0.05	4.38	
A001	6440	6600	14940	10		51	1	26	2.92	0.09	0.10	1.24	Epidotized &
A001	6600	6800	14941	5		62	1	25	2.27	0.05	0.08	0.92	Silicified Zone
A001	6800	6965	14942	3		53	1	13	1.90	0.09	0.10	0.88	
A001	6965	7100	14943	3		114	1	22	1.69	0.31	0.11	1.83	
A001	7100	7220	14944	3		76	1	14	2.33	0.13	0.11	1.57	
A001	7630	7830	14945	3		65	1	26	2.11	0.14	0.12	1.69	
A001	7830	8037	14946	3		76	1	35	1.67	0.23	0.17	2.70	
A001	8037	8112	14947	3		33	1	32	1.34	0.17	0.21	2.00	
A001	8112	8262	14948	3		66	1	22	1.67	0.09	0.10	1.15	
A001	8625	8800	14949	3		104	1	24	1.78	0.13	0.11	1.77	
A001	8800	9000	14950	3		77	1	18	1.25	0.13	0.11	1.41	
A001	9000	9200	14951	3		64	2	26	1.81	0.20	0.17	2.05	
A001	9200	9315	14952	3		45	3	14	2.74	0.04	0.10	1.34	
A001	9315	9500	14953	3		67	1	31	2.16	0.21	0.19	2.55	
A001	9500	9700	14954	3		76	1	21	1.66	0.12	0.13	1.85	
A001	10950	11130	14955	3		9	4	27	1.12	0.39	0.13	1.67	
A001	11130	11210	14956	3		24	2	36	2.19	0.55	0.13	2.56	
A001	11210	11430	14957	3		8	1	30	1.53	0.48	0.08	1.78	
A001	11430	11650	14958	3		56	1	67	7.12	0.30	0.01	5.51	
A001	11650	11890	14959	110		52	1	62	7.46	0.42	0.01	4.78	
A001	11890	12100	14960	3		85	1	37	1.77	0.25	0.10	2.65	
A001	13000	13200	14961	3		69	1	52	1.86	0.16	0.06	3.14	
A001	13200	13400	14962	3		93	1	36	1.52	0.21	0.12	2.34	
A001	13400	13600	14963	3		98	1	32	1.28	0.15	0.10	1.92	
A001	13600	13800	14964	15		61	1	42	1.65	0.18	0.11	2.64	
A001	13800	14000	14965	3		66	1	36	1.53	0.24	0.11	2.22	
A001	14000	14173	14966	3		87	1	39	1.72	0.30	0.13	2.38	
A002													
AUMM				RECOVY	RQD								
A002	549	884	335	96	47								
A002	884	1204	320	100	84								
A002	1204	1524	320	98	57								
A002	1524	1829	305	100	48								
A002	1829	2134	305	98	10								
A002	2134	2438	304	100	62								
A002	2743	3048	305	100	77								
A002	3048	3352	304	99	67								
A002	3352	3505	153	97	29								
A002	3505	3658	153	98	48								
A002	3658	3810	152	100	69								
A002	3810	3962	152	100	85								

A002	3962	4115	153	100	97
A002	4115	4267	152	91	30
A002	4267	4420	153	100	82
A002	4420	4570	150	100	40
A002	4570	4724	154	100	63
A002	4724	4877	153	100	76
A002	4877	5029	152	100	89
A002	5029	5181	152	93	77
A002	5181	5334	153	100	95
A002	5334	5486	152	100	82
A002	5486	5639	153	94	61
A002	5639	5791	152	100	70
A002	5791	5944	153	95	44
A002	5944	6096	152	100	67
A002	6096	6248	152	100	55
A002	6248	6400	152	100	45
A002	6400	6553	153	98	24
A002	6553	6706	153	100	82
A002	6706	6858	152	100	84
A002	6858	7010	152	100	56
A002	7010	7163	153	98	53
A002	7163	7315	152	100	86
A002	7315	7620	305	100	84
A002	7620	7770	150	100	85
A002	7770	7925	155	100	92
A002	7925	8077	152	100	76
A002	8077	8230	153	100	72
A002	8230	8382	152	100	84
A002	8382	8687	305	100	71
A002	8687	8839	152	100	82
A002	8839	9144	305	100	80
A002	9144	9449	305	100	84
A002	9449	9662	213	99	54
A002	9662	9998	336	100	49
A002	9998	10302	304	100	54
A002	10302	10607	305	100	63
A002	10607	10927	320	100	83
A002	10927	11232	305	100	34
A002	11232	11552	320	100	56
A002	11552	11887	335	90	37
A002	11887	12131	244	95	42
A002	12131	12497	336	98	33
A002	12497	12801	304	100	44
A002	12801	13106	305	100	66
A002	13106	13411	305	100	65
A002	13411	13716	305	100	40
A002	13716	14021	305	100	39
A002	14021	14173	152	100	31
A003					
AUMM			SAMPLE	AU1	Au
R				ppm	ppm
ALAB		PDI RESEARCH			
ATYP		SLUDGE			
AMTH		WET GEOCHEM A.A.			

A003	30	61	52307	NSS								
A003	61	91	52308	3								
A003	91	122	52309	3								
A003	122	152	52310	3								
A003	152	183	52311	5								
A003	183	213	53312									
A003	213	244	52313	65								
A003	244	274	52314	3								
A003	274	305	52315	NSS								
A003	305	335	52316	20								
A003	335	366	52317	6000								
A003	366	396	52318	3270								
A003	396	427	52319	775								
A003	427	457	52320	780								
A003	457	488	52321	685								
A003	488	518	52322	460								
A003	518	549	52323	90								
A003	549	579	52324	255								
A003	579	610	52325	450								
A003	610	640	52326	235								
A003	640	670	52327	150								
A003	670	701	52328	1370								
A003	701	732	52329	175								
A003	732	762	52330	NSS								
A003	762	792	52331	NSS								
A003	792	823	52332	NSS								
A003	823	853	52333	290								
A003	853	884	52334	NSS								
A003	884	914	52335	135								
A003	914	945	52336	65								
A003	945	975	52337	45								
A003	975	1006	52338	35								
A003	1036	1067	52340	30								
A003	1067	1097	52341	35								
A003	1097	1128	52342	30								
A003	1128	1158	52343	45								
A003	1158	1189	52344	NSS								
R			NO SAMPLE NUMBER 52345									
A003	1189	1219	52346	110								
A003	1219	1250	52347	115								
A003	1250	1280	52348	NSS								
A003	1280	1311	52349	NSS								
A003	1311	1341	52350	NSS								
A003	1341	1372	52451	NSS								
A003	1372	1402	52452	NSS								
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			ICP									
A004	305	430	14919	1	0.10	20	66	0.05	24	4	14	2.5
A004	430	650	14920	1	0.10	20	62	0.10	80	4	23	2.5
A004	1780	1860	14921	1	0.05	16	59	0.10	8	2	16	2.5

A004	1860	2070	14922	1	0.05	17	39	0.05	29	3	13	2.5
A004	2070	2200	14923	1	0.05	15	47	0.10	24	2	14	2.5
A004	2200	2415	14924	1	0.20	16	43	0.10	20	2	17	2.5
A004	2415	2600	14925	1	0.60	11	47	0.10	17	2	8	2.5
A004	2600	2740	14926	1	0.05	11	79	0.10	10	2	6	2.5
A004	2740	2930	14927	1	0.05	16	45	0.10	19	2	6	2.5
A004	2930	3200	14928	1	0.05	13	60	0.10	13	2	8	2.5
A004	3200	3375	14929	2	0.10	15	66	0.20	21	3	10	2.5
A004	3375	3600	14930	1	0.05	19	55	3.90	52	4	10	2.5
A004	3600	3760	14931	1	0.05	17	70	0.10	26	3	13	2.5
A004	4400	4600	14932	8	0.10	12	53	0.10	7	2	7	2.5
A004	4600	4800	14933	1	0.30	13	45	0.10	5	2	7	2.5
A004	4800	5000	14934	1	0.10	12	57	0.10	8	2	7	2.5
A004	5000	5200	14935	1	0.20	10	36	0.10	3	2	7	2.5
A004	5200	5350	14936	1	0.05	15	54	0.10	19	2	6	2.5
A004	5940	6140	14937	1	0.20	15	81	0.10	13	11	17	2.5
A004	6140	6340	14938	1	0.05	12	54	0.10	9	3	8	2.5
A004	6340	6440	14939	1	0.05	22	122	0.05	41	5	43	2.5
A004	6440	6600	14940	1	0.20	13	58	0.05	8	5	8	2.5
A004	6600	6800	14941	2	0.30	13	50	0.05	6	3	7	2.5
A004	6800	6965	14942	1	0.20	12	57	0.05	10	3	7	2.5
A004	6965	7100	14943	1	0.05	20	110	0.05	17	8	45	2.5
A004	7100	7220	14944	1	0.20	15	59	0.10	15	3	11	2.5
A004	7630	7830	14945	1	0.10	15	52	0.20	18	6	12	2.5
A004	7830	8037	14946	1	0.10	17	60	0.10	31	6	15	2.5
A004	8037	8112	14947	1	0.05	9	78	0.10	28	3	9	2.5
A004	8112	8262	14948	4	0.10	13	50	0.05	13	3	10	2.5
A004	8625	8800	14949	1	0.05	16	44	0.10	10	4	11	2.5
A004	8800	9000	14950	2	0.05	13	39	0.05	9	3	9	2.5
A004	9000	9200	14951	1	0.05	16	45	0.05	24	2	10	2.5
A004	9200	9315	14952	1	0.05	14	80	0.05	4	3	8	2.5
A004	9315	9500	14953	1	0.05	22	61	0.05	26	3	17	2.5
A004	9500	9700	14954	1	0.10	16	53	0.05	8	3	17	2.5
A004	10950	11130	14955	1	0.05	12	148	0.05	25	3	32	2.5
A004	11130	11210	14956	1	0.05	23	162	0.05	37	2	72	2.5
A004	11210	11430	14957	1	0.05	11	192	0.05	34	3	32	2.5
A004	11430	11650	14958	1	0.05	40	373	0.05	28	4	151	2.5
A004	11650	11890	14959	1	0.10	36	265	0.10	42	6	127	2.5
A004	11890	12100	14960	1	0.30	26	148	0.05	27	3	71	2.5
A004	13000	13200	14961	1	0.20	27	153	0.05	20	4	59	2.5
A004	13200	13400	14962	1	0.05	21	73	0.05	27	1	36	2.5
A004	13400	13600	14963	1	0.20	19	71	0.05	22	3	32	2.5
A004	13600	13800	14964	1	0.20	17	81	0.10	28	2	33	2.5
A004	13800	14000	14965	1	0.05	17	78	0.10	42	2	31	2.5
A004	14000	14173	14966	1	0.10	22	107	0.10	34	2	43	2.5
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			ICP									
A005	305	430	14919	3	5	5	2.5	5.0	1.5	1034	49	
A005	430	650	14920	3	5	5	2.5	2.5	1.5	434	21	
A005	1780	1860	14921	3	5	6	2.5	5.0	1.5	542	77	

A005	1860	2070	14922	2	5	10	2.5	2.5	1.5	1057	199
A005	2070	2200	14923	2	5	6	2.5	2.5	1.5	568	150
A005	2200	2415	14924	4	5	5	2.5	2.5	1.5	303	164
A005	2415	2600	14925	5	5	4	2.5	2.5	1.5	242	46
A005	2600	2740	14926	5	5	2	2.5	2.5	1.5	248	44
A005	2740	2930	14927	6	5	1	2.5	2.5	1.5	181	75
A005	2930	3200	14928	3	5	4	2.5	2.5	1.5	304	92
A005	3200	3375	14929	4	5	3	2.5	5.0	1.5	431	58
A005	3375	3600	14930	1	5	7	2.5	2.5	1.5	1180	153
A005	3600	3760	14931	3	5	10	2.5	2.5	1.5	604	95
A005	4400	4600	14932	3	5	4	2.5	2.5	1.5	333	163
A005	4600	4800	14933	4	5	4	2.5	6.0	1.5	215	67
A005	4800	5000	14934	4	5	3	2.5	2.5	1.5	218	89
A005	5000	5200	14935	3	5	2	2.5	2.5	1.5	134	80
A005	5200	5350	14936	7	5	2	2.5	6.0	1.5	161	64
A005	5940	6140	14937	3	5	4	2.5	5.0	1.5	387	58
A005	6140	6340	14938	5	5	2	2.5	5.0	1.5	275	75
A005	6340	6440	14939	4	5	12	2.5	8.0	1.5	1147	158
A005	6440	6600	14940	5	5	3	2.5	6.0	1.5	244	87
A005	6600	6800	14941	5	5	2	2.5	8.0	1.5	112	61
A005	6800	6965	14942	6	5	2	2.5	8.0	1.5	130	144
A005	6965	7100	14943	4	5	3	2.5	7.0	1.5	215	110
A005	7100	7220	14944	5	5	3	5.0	5.0	1.5	205	97
A005	7630	7830	14945	5	5	4	5.0	8.0	1.5	248	58
A005	7830	8037	14946	5	5	6	2.5	9.0	1.5	350	75
A005	8037	8112	14947	3	5	4	2.5	2.5	1.5	537	94
A005	8112	8262	14948	6	5	2	2.5	7.0	1.5	165	44
A005	8625	8800	14949	4	5	3	2.5	2.5	1.5	218	80
A005	8800	9000	14950	6	5	3	2.5	9.0	1.5	161	49
A005	9000	9200	14951	3	5	5	2.5	5.0	1.5	284	78
A005	9200	9315	14952	4	5	3	5.0	2.5	1.5	153	66
A005	9315	9500	14953	3	5	8	2.5	2.5	1.5	369	96
A005	9500	9700	14954	4	5	4	5.0	2.5	1.5	224	119
A005	10950	11130	14955	6	5	5	2.5	7.0	1.5	388	43
A005	11130	11210	14956	4	5	7	2.5	9.0	1.5	541	55
A005	11210	11430	14957	5	5	6	2.5	5.0	1.5	452	66
A005	11430	11650	14958	3	5	20	2.5	12.0	1.5	1198	342
A005	11650	11890	14959	2	10	15	2.5	8.0	1.5	1211	241
A005	11890	12100	14960	3	5	7	2.5	8.0	1.5	457	70
A005	13000	13200	14961	1	5	4	8.0	10.0	3.0	600	71
A005	13200	13400	14962	3	5	6	6.0	2.5	1.5	452	50
A005	13400	13600	14963	3	5	4	2.5	9.0	1.5	375	57
A005	13600	13800	14964	3	5	5	2.5	6.0	1.5	524	78
A005	13800	14000	14965	3	5	4	2.5	5.0	1.5	445	105
A005	14000	14173	14966	4	5	6	2.5	8.0	1.5	499	74
A006											
AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR		
R				%	%	%	ppm	ppm	ppm		
ALAB			PDI RESEARCH								
ATYP			SPLIT CORE								
AMTH			ICP								
A006	305	430	14919	2.18	1.68	0.08	0.12	75.0	2.0		
A006	430	650	14920	1.45	1.20	0.10	0.16	75.0	1.0		
A006	1780	1860	14921	1.70	1.24	0.09	0.14	85.0	2.0		

A006	1860	2070	14922	2.25	1.53	0.09	0.11	91.0	1.0
A006	2070	2200	14923	1.83	1.14	0.09	0.12	83.0	1.0
A006	2200	2415	14924	1.21	0.67	0.11	0.13	63.0	2.0
A006	2415	2600	14925	0.65	0.43	0.11	0.11	37.0	3.0
A006	2600	2740	14926	0.79	0.27	0.08	0.13	29.0	3.0
A006	2740	2930	14927	0.58	0.18	0.18	0.09	19.0	3.0
A006	2930	3200	14928	1.01	0.35	0.11	0.14	47.0	4.0
A006	3200	3375	14929	1.23	0.48	0.11	0.12	44.0	5.0
A006	3375	3600	14930	2.13	1.33	0.07	0.11	77.0	2.0
A006	3600	3760	14931	2.01	1.27	0.09	0.16	89.0	3.0
A006	4400	4600	14932	1.13	0.41	0.11	0.16	43.0	6.0
A006	4600	4800	14933	0.95	0.32	0.10	0.15	45.0	6.0
A006	4800	5000	14934	0.99	0.30	0.10	0.15	40.0	7.0
A006	5000	5200	14935	0.64	0.21	0.10	0.10	25.0	5.0
A006	5200	5350	14936	0.55	0.22	0.16	0.10	28.0	4.0
A006	5940	6140	14937	1.37	0.68	0.10	0.14	55.0	5.0
A006	6140	6340	14938	0.93	0.26	0.10	0.12	34.0	5.0
A006	6340	6440	14939	2.81	2.08	0.09	0.12	97.0	4.0
A006	6440	6600	14940	1.00	0.27	0.10	0.15	40.0	8.0
A006	6600	6800	14941	0.82	0.08	0.11	0.16	35.0	9.0
A006	6800	6965	14942	0.79	0.12	0.10	0.15	32.0	7.0
A006	6965	7100	14943	1.07	0.62	0.10	0.16	45.0	4.0
A006	7100	7220	14944	0.94	0.25	0.10	0.14	38.0	4.0
A006	7630	7830	14945	0.89	0.35	0.11	0.17	53.0	6.0
A006	7830	8037	14946	1.09	0.59	0.10	0.16	63.0	3.0
A006	8037	8112	14947	1.06	0.53	0.06	0.09	41.0	1.0
A006	8112	8262	14948	0.62	0.15	0.11	0.14	35.0	8.0
A006	8625	8800	14949	0.86	0.33	0.10	0.13	44.0	4.0
A006	8800	9000	14950	0.67	0.25	0.11	0.14	45.0	5.0
A006	9000	9200	14951	1.25	0.62	0.10	0.20	73.0	6.0
A006	9200	9315	14952	1.30	0.14	0.10	0.20	49.0	9.0
A006	9315	9500	14953	1.57	0.88	0.09	0.20	87.0	4.0
A006	9500	9700	14954	1.01	0.46	0.10	0.14	53.0	4.0
A006	10950	11130	14955	1.17	1.16	0.04	0.09	45.0	2.0
A006	11130	11210	14956	1.94	2.38	0.06	0.12	70.0	3.0
A006	11210	11430	14957	1.31	1.30	0.02	0.07	47.0	2.0
A006	11430	11650	14958	3.44	6.04	0.05	0.03	130.0	0.5
A006	11650	11890	14959	2.70	4.49	0.04	0.04	94.0	0.5
A006	11890	12100	14960	1.95	2.41	0.08	0.12	67.0	2.0
A006	13000	13200	14961	2.45	2.54	0.08	0.13	68.0	1.0
A006	13200	13400	14962	1.58	1.68	0.09	0.14	69.0	2.0
A006	13400	13600	14963	1.33	1.38	0.09	0.10	52.0	3.0
A006	13600	13800	14964	1.56	1.58	0.09	0.12	72.0	2.0
A006	13800	14000	14965	1.49	1.33	0.09	0.13	65.0	2.0
A006	14000	14173	14966	1.68	1.77	0.08	0.14	70.0	3.0

/END

Diamond Drill Hole 90-6

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IDEN6B0201V239  DDH90-6  NQ 22AUG90DAL   LECLAUG90S38   DALGRD  0.0
IPRJ      PLACER DOME INC                     MCCONNELL CREEK
S000   00   450 MT  094.5 091.5 -45.0                7705.0    9400.0    1455.0
S001  450   945       94.5 091.5 -38.5
/SCL        MT.2
LSCL                          LCTM
/NAM                                                    PYMG  CLSECBEPKFCYKAFU
LNAM                                                    CVAKPFTOPVCPGLHELMMA
/      00    430       OVBD                     P
L
/      430  5110       AMGNAMHB   MXBN          P BN320   D*    P=P=P=
L                          5APF            3344         <*  <)  <*
R               AMPHIBOLITE GNEISS MASSIVE, FINE-COARSER GRAINED, WELL BANDED IN
R               PLACES, SOME SECTIONS PORPHYRITIC.  ENTIRE SECTION IS PALE
R               GREY/GREEN  COLOUR BANDED (CENTIMETRE SCALE), DARK GREY-BLACK
R               (MAFICS) TO PALE GREY/GREEN (FELDSPAR) AND PALER COLOURED
R               (CALCAREOUS) SECTIONS.
R               THIS SECTION SHOWS NO SIGNIFICANT ALTERATION OR DISTINGUISHING
R               FEATURES
R               4.3 - 6.1 LIMONITIC FRACTURES WITH PY, FOLIATED, FOLIATION 0-20
R               DEGREES C.A. ALMOST SCHISTOSE, CHLORITIC.
R               6.1 - 8.1 SIMILAR TO ABOVE, TRACE 1% SULPHIDES (DISS. AND
R               ALONG CLEAVAGE PLANES)
R               8.1 - 10.1 SIMILAR TO ABOVE
R               10.1 - 12.0 MEDIUM-COARSE GRAINED PORPHYRITIC TEXTURE, CARBONATE
R               ALONG FRACTURES, TRACE ONLY SULPHIDES
R               12.0 - 14.0 FAINT BANDING, SOME COARSE SEGREGATIONS, FRACTURES
R               0-45 AZIMUTH, DIP E
R               14.0 - 16.0 AS ABOVE
R               16.0 - 18.0 AS ABOVE PALE BEIGE/GREY BANDS, ALTERED
R               PLAGIOCLASE-SERICITE
R               18.0 - 20.0 AS ABOVE, WITH BANDING
R               20.0 - 22.0 AS ABOVE
R               22.0 - 24.0 AS ABOVE, 2 CARB-QTZ FILLED FRACTURES, (1CM WIDTH)
R               TR,PY CHL,050 DEGREES AZIMUTH VERTICAL
R               24.0 - 26.0 SIMILAR TO ABOVE, CARBONATE/CHLORITE GOUGE 24.8M
R               26.0 - 28.0 FAINT FOLIATION, INCREASED SERICITE/CHLORITE
R               ALTERATION, CARB-QTZ FILLED FRACTURES
R               28.0 - 30.0 WELL DEFINED BANDING, LIGHT AND DARKER GREYS (WITH
R               SERICITE  ALTERATION) CARBONATE FILLED FRACTURES
R               30.0 - 32.0 COARSE GRAINED, LAST 20CM BROKEN, CALCAREOUS,
R               (FAULT), PYRITE FRACTURE SURFACES
R               32.0 - 34.0 INCREASED PY (3-4%) OVER SHORT INTERVALS
R               34.0 - 36.0 INCREASED CARBONATE, CHLORITE, SERICITE
R               ALTERATION, ALONG FRACTURES
R               38.0 - 40.0 SIMILAR TO ABOVE,  39.0 - CARB/QTZ FILLING
R               HEALED BRECCIA (FAULT ZONE)
R               40.0 - 42.0  WITH BLACK AMPHIBOLITE PORPHOBLASTS
R               42.0 - 44.0 - 43.4M, QTZ-PLAG FILLING FRACTURE, CUTTING
R               FOLIATION, INCREASED ALTERATION
R               44.0 - 47.0 CLEAVAGE WITH ALTERATION GIVES FOLIATED APPEARANCE,
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R               INCREASED PY/PO, GROUNDMASS MORE MAFIC
R               47.0 - 50.0 COARSE PORPHOBLASTS FELDSPARS/AMPHIBOLITES 3-4 CM
R               FRACTURES  WITH QTZ-PLAG-TRPY
R               50.0 - 53.0 VFG., 51.1-51.4, SCHISTOSE (CHLORITE-CARBONATE),
R               WITH SECONDARY CARBONATE VEINING
/     5110  6000       AMGNAMHB   MXFG        P FO320        P2  P1
L                          5APF           4447
R               MASSIVE, FINE GRAINED, DARK TO MEDIUM GREY GNEISS, FAINT
R               BANDING, WEAK TO MODERATE ALTERATION, CHLORITE/SERICITE AND
R               SOME EPIDOTIZED SECTIONS
R               53.0 - 56.0 EPIDOTIZED/SILICIFIED (54.4 - 55.05), TR PY
R               56.0 - 59.0 AS ABOVE
R               59.0 - 60.4 BANDING VISIBLE, PALE GREY/GREEN ALT., SILICIFIED,
R               FRACTURES WITH QTZ (1CM)
/     6000  8030       AMGNAMPF               P BN320        P201  Q1  P1
L                          5A             5446
R               COARSER GRAINED AND INCREASED ALTERATION OVER PREVIOUS,SEVERAL
R               BLEACHED/EPIDOTIZED SECTIONS AS WELL AS CHLORITE  AND
R               SILICIFICATION
R               60.4 - 61.55 EPIDOTIZED WITH QTZ  FILLED FRACTURES, TR CPY
R               61.55 - 63.7 COARSER CRYSTALLINE, PORPHYRYITIC/SILICIFIED
R               63.7 - 66.9 PEGMATITE DYKE (63.7 - 64.0), REMAINDER COARSE
R               CRYSTALLINE, CHLORITE/SERICITE FRACTURE FILLINGS
R               66.9 68.05 EPIDOTIZED, INCREASED DISS. PYRITE, TRACE CPY, RELIC
R               BANDING
R               68.05 - 70.75 SIMILAR TO ABOVE, TR 1% PYRITE
R               70.75 - 72.1 20% QTZ, UP TO 3% PY, DISSEMINATED/FRACTURE PLANES
R               72.1 - 74.0 UPPER SECTION SILICIFIED (TEXTURE OBLITERATED)
R               74.0 - 77.0 FINE-MEDIUM GRAINED, BANDED GNEISS WITH DIORITE INTR
R               (25CM) BLEACHED, TR CPY.
R               77.0 - 80.3 CHLORITE, VISIBLE FOLIATION
/     8030  9450       FALTHBPF   BXSC        P FS           P2  P2    P2
L                          8GCB                         <)      D)    <)<(
R               FAULT BRECCIA, ORIGINAL UNIT OF AMPHIBOLITE GNEISS HAS BEEN
R               BROKEN WITH VERY LITTLE ORIGINAL TEXTURE VISIBLE.  THIS
R               UNIT HAS BEEN TOTALLY REWORKED.  ORIGINAL MINERALS HAVE BEEN
R               ALTERED TO CHLORITE/TALC AND CLAY MINERALS, IN PLACES VERY
R               CALCAREOUS.  SOME SECTIONS ARE COMPOSED OF CLAY GOUGE.
R               BEDDING/FOLIATION ALMOST TOTALLY OBLITERATED.
R               80.3 - 83.0 BLEACHED, CHLORITIC, TR PY, SHEARED ALONG C.A.
R               83.0 - 86.0 SOME FOLIATION VISIBLE, LIMONITE ON FRACTURES
R               0 DEGREES C.A.
R               86.0 - 89.0 BROKEN, CHLORITIC, CALCAREOUS, CLAY FROM FELDSPARS
R               89.0 - 92.0 CALCAREOUS, CHLORITIC, CLAY, FAULT ZONE, TR-1% PY
R               92.0 - 94.5 TOP HALF ENTIRELY BROKEN, CALCAREOUS GOUGE, VERY
R               CHLORITIC, MINERALS ALTERED TO CLAYS
A001
AUMM                SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                            ppb    ppm   ppm   ppm   ppm   ppm   %     %     %
ALAB            PDI RESEARCH
ATYP            SPLIT CORE
AMTH            WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A001   43    61     14967    30           133     1    42  1.85  0.12  0.11  3.44
A001   61    81     14968    10           101     1    42  1.70  0.20  0.10  3.54
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A001	81	101	14969	3	103	1	43	1.62	0.16	0.08	3.33
A001	101	120	14970	3	76	1	37	1.48	0.08	0.10	2.99
A001	120	140	14971	3	89	1	39	1.48	0.09	0.08	3.01
A001	140	160	14972	3	118	1	51	2.06	0.09	0.07	3.85
A001	160	180	14973	3	159	1	47	1.77	0.10	0.10	3.70
A001	180	200	14974	3	102	1	44	1.58	0.09	0.07	3.35
A001	200	220	14975	3	113	1	52	1.83	0.11	0.11	3.94
A001	220	240	14976	3	55	1	51	1.86	0.08	0.06	3.71
A001	240	260	14977	10	70	1	58	2.50	0.11	0.07	4.44
A001	260	280	14978	3	66	1	62	2.76	0.10	0.07	4.59
A001	280	300	14979	3	79	1	54	2.59	0.06	0.05	3.98
A001	300	320	14980	10	104	1	50	1.72	0.10	0.08	4.05
A001	320	340	14981	15	109	1	53	1.88	0.08	0.08	4.01
A001	340	360	14982	3	143	1	52	1.78	0.06	0.15	3.83
A001	360	380	14983	3	137	1	43	2.08	0.09	0.16	3.66
A001	380	400	14984	3	119	1	44	1.88	0.06	0.16	3.33
A001	400	420	14985	3	96	1	36	1.76	0.08	0.19	2.78
A001	420	440	14986	10	96	1	36	1.55	0.10	0.15	2.92
A001	440	470	14987	3	100	1	41	1.78	0.12	0.18	3.26
A001	470	500	14988	3	83	1	39	1.69	0.12	0.22	2.99
A001	500	530	14989	3	113	1	43	1.99	0.13	0.12	3.43
A001	530	560	14990	10	97	1	33	1.54	0.18	0.11	2.77
A001	560	590	14991	3	87	1	34	1.58	0.17	0.12	2.80
A001	590	604	14992	3	63	1	32	1.51	0.17	0.12	2.41
A001	604	6155	14993	3	97	3	16	2.16	0.05	0.07	1.88
A001	6155	637	14994	3	88	1	39	1.45	0.19	0.10	2.98
A001	637	669	14995	3	101	1	35	2.10	0.12	0.08	2.77
A001	669	6805	14996	55	163	1	31	2.18	0.05	0.05	2.45
A001	6805	7075	14997	15	236	1	38	2.62	0.10	0.11	2.72
A001	7075	721	14998	50	129	2	35	2.08	0.04	0.08	2.41
A001	721	740	14999	3	123	1	49	1.87	0.14	0.11	2.97
A001	740	770	15000	5	127	1	37	2.46	0.12	0.10	2.48
A001	770	803	15001	3	79	1	38	2.00	0.09	0.12	2.40
A001	803	830	15002	3	142	1	49	4.07	0.12	0.08	3.15
A001	830	860	15003	3	124	1	43	3.25	0.11	0.11	2.97
A001	860	890	15004	25	126	1	57	2.71	0.06	0.07	3.62
A001	890	920	15005	15	297	1	51	2.64	0.06	0.05	3.20
A001	920	945	15006	10	104	2	42	2.78	0.08	0.05	2.41

A002

AUMM				RECOVY	RQD
A002	610	762	152	100	47
A002	762	914	152	97	53
A002	914	1067	153	100	73
A002	1067	1219	152	100	78
A002	1219	1372	153	100	50
A002	1372	1524	152	100	70
A002	1524	1676	152	100	59
A002	1676	1829	153	100	38
A002	1829	1981	152	100	57
A002	1981	2134	153	98	67
A002	2134	2286	152	100	54
A002	2286	2438	152	100	22
A002	2438	2591	153	99	48
A002	2591	2743	152	100	69

A002	2743	3048	305	100	60
A002	3048	3597	244	86	34
A002	3597	3901	304	100	69
A002	3901	4206	305	100	25
A002	4206	4511	305	100	71
A002	4511	4877	366	100	84
A002	4877	5182	305	100	72
A002	5182	5486	304	100	78
A002	5486	5730	244	99	44
A002	5730	6065	335	94	56
A002	6065	6370	305	100	41
A002	6370	6706	336	100	27
A002	6706	7010	304	100	55
A002	7010	7315	305	100	55
A002	7315	7620	305	100	36
A002	7620	7910	290	100	38
A002	7910	8199	289	100	26
A002	8199	8534	335	94	6
A002	8534	8839	305	98	8
A002	8839	9144	305	100	0
A002	9144	9450	305	94	12
A003					
AUMM			SAMPLE	AU1	Au
R				ppb	ppm
ALAB			PDI RESEARCH		
ATYP			SLUDGE		
AMTH			WET GEOCHEM A.A.		
A003	61	91	52453	5	
A003	91	122	52454	3	
A003	122	152	52455	3	
A003	152	183	52456	3	
A003	183	213	52457	NSS	
A003	213	244	52458	3	
A003	244	274	52459	3	
A003	274	305	52460	5	
A003	305	335	52461	5	
A003	335	366	52462	3	
A003	366	427	52463	3	
A003	427	457	52465	3	
A003	457	488	52466	NSS	
A003	488	518	52467	NSS	
A003	518	549	52468	NSS	
A003	549	579	52469	NSS	
A003	579	610	52470	10	
A003	610	640	52471	3	
A003	670	701	52473	NSS	
A003	701	732	52474	NSS	
A003	732	762	52475	NSS	
A003	762	792	52476	5	
A003	792	823	52477	NSS	
A003	823	853	52478	10	
A003	853	884	52479	NSS	
A003	884	914	52480	NSS	
A003	914	9450	52481	NSS	

A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			ICP									
A004	43	61	14967	1	0.05	28	112	0.20	3	4	42	2.5
A004	61	81	14968	1	0.10	27	85	0.10	6	2	31	2.5
A004	81	101	14969	1	0.05	26	95	0.05	7	2	38	2.5
A004	101	120	14970	1	0.05	23	95	0.05	5	2	36	2.5
A004	120	140	14971	1	0.30	26	99	0.05	6	1	42	2.5
A004	140	160	14972	1	0.10	26	87	0.05	4	2	34	2.5
A004	160	180	14973	1	0.10	26	68	0.05	11	2	26	2.5
A004	180	200	14974	1	0.05	24	68	0.05	8	1	28	2.5
A004	200	220	14975	1	0.20	27	91	0.05	10	1	32	2.5
A004	220	240	14976	1	0.05	25	84	0.10	6	2	30	2.5
A004	240	260	14977	1	0.20	31	91	0.05	10	1	35	2.5
A004	260	280	14978	1	0.10	28	72	0.05	11	2	26	2.5
A004	280	300	14979	1	0.20	27	104	0.05	5	2	46	2.5
A004	300	320	14980	1	0.20	29	61	0.30	15	3	26	2.5
A004	320	340	14981	1	0.30	31	87	0.10	6	2	38	2.5
A004	340	360	14982	1	0.30	32	98	0.10	6	4	42	2.5
A004	360	380	14983	1	0.10	33	104	0.10	8	3	39	2.5
A004	380	400	14984	1	0.20	27	98	0.05	6	2	45	2.5
A004	400	420	14985	1	0.05	22	108	0.05	6	3	32	2.5
A004	420	440	14986	1	0.05	23	79	0.05	10	2	26	2.5
A004	440	470	14987	1	0.10	26	82	0.05	8	2	34	2.5
A004	470	500	14988	1	0.05	23	112	0.05	12	2	42	2.5
A004	500	530	14989	1	0.20	31	181	0.05	15	3	90	2.5
A004	530	560	14990	1	0.05	24	108	0.05	36	2	36	2.5
A004	560	590	14991	1	0.05	24	124	0.05	34	2	40	2.5
A004	590	604	14992	1	0.05	20	92	0.05	15	1	30	2.5
A004	604	6155	14993	1	0.05	26	85	0.05	7	11	24	2.5
A004	6155	637	14994	1	0.10	23	94	0.05	20	2	39	2.5
A004	637	669	14995	1	0.05	23	108	0.05	12	2	37	2.5
A004	669	6805	14996	1	0.05	38	68	0.10	4	2	23	2.5
A004	6805	7075	14997	1	0.05	32	117	0.20	8	2	35	2.5
A004	7075	721	14998	1	0.20	50	91	0.20	4	2	24	2.5
A004	721	740	14999	1	0.20	26	107	0.10	10	2	42	2.5
A004	740	770	15000	1	0.10	29	104	0.10	11	5	37	2.5
A004	770	803	15001	3	0.10	17	157	0.05	10	1	64	2.5
A004	803	830	15002	1	0.10	31	177	0.10	9	2	58	2.5
A004	830	860	15003	1	0.05	24	123	0.05	5	1	51	2.5
A004	860	890	15004	1	0.05	31	88	0.10	1	2	46	2.5
A004	890	920	15005	1	0.05	35	125	0.20	2	2	62	2.5
A004	920	945	15006	4	0.10	24	140	0.20	2	4	56	2.5

A005											
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR
R				ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm
ALAB			PDI RESEARCH								
ATYP			SPLIT CORE								
AMTH			ICP								
A005	43	61	14967	2	5	6	2.5	8.0	1.5	554	30
A005	61	81	14968	2	5	6	5.0	8.0	1.5	532	44

A005	81	101	14969	1	5	6	2.5	2.5	1.5	535	29
A005	101	120	14970	1	5	5	2.5	2.5	1.5	479	40
A005	120	140	14971	1	5	4	7.0	8.0	3.0	519	87
A005	140	160	14972	1	5	5	6.0	6.0	3.0	649	53
A005	160	180	14973	1	5	5	8.0	7.0	1.5	586	53
A005	180	200	14974	1	5	5	5.0	7.0	1.5	541	42
A005	200	220	14975	1	5	6	5.0	7.0	1.5	657	43
A005	220	240	14976	1	5	5	2.5	6.0	1.5	643	41
A005	240	260	14977	1	5	6	6.0	8.0	1.5	791	60
A005	260	280	14978	1	5	5	6.0	8.0	1.5	857	56
A005	280	300	14979	1	5	5	7.0	6.0	1.5	720	60
A005	300	320	14980	1	5	5	8.0	6.0	1.5	634	49
A005	320	340	14981	1	5	6	7.0	7.0	1.5	624	50
A005	340	360	14982	1	5	7	2.5	2.5	1.5	569	56
A005	360	380	14983	1	5	8	7.0	7.0	1.5	516	75
A005	380	400	14984	1	5	7	8.0	2.5	3.0	499	119
A005	400	420	14985	1	5	7	5.0	8.0	1.5	426	78
A005	420	440	14986	2	5	6	2.5	5.0	1.5	452	63
A005	440	470	14987	1	5	7	2.5	6.0	1.5	486	115
A005	470	500	14988	1	5	6	2.5	5.0	1.5	435	133
A005	500	530	14989	1	5	6	6.0	8.0	3.0	526	101
A005	530	560	14990	2	5	6	2.5	5.0	1.5	420	56
A005	560	590	14991	1	5	7	2.5	7.0	1.5	431	63
A005	590	604	14992	3	5	6	2.5	2.5	1.5	342	60
A005	604	6155	14993	2	5	5	2.5	2.5	1.5	258	90
A005	6155	637	14994	2	5	7	2.5	5.0	1.5	412	44
A005	637	669	14995	1	5	8	2.5	6.0	1.5	446	54
A005	669	6805	14996	2	5	5	6.0	5.0	1.5	404	63
A005	6805	7075	14997	1	5	8	6.0	7.0	1.5	474	96
A005	7075	721	14998	2	5	5	7.0	2.5	1.5	385	94
A005	721	740	14999	1	5	8	6.0	5.0	1.5	492	87
A005	740	770	15000	2	5	7	5.0	5.0	1.5	420	91
A005	770	803	15001	2	5	7	2.5	8.0	1.5	438	80
A005	803	830	15002	3	5	8	2.5	9.0	1.5	656	97
A005	830	860	15003	2	5	7	2.5	6.0	1.5	604	70
A005	860	890	15004	1	5	8	2.5	5.0	1.5	713	68
A005	890	920	15005	3	5	6	2.5	8.0	1.5	638	83
A005	920	945	15006	4	5	6	2.5	10.0	1.5	562	78
A006											
AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR		
R				%	%	%	ppm	ppm	ppm		
ALAB			PDI RESEARCH								
ATYP			SPLIT CORE								
AMTH			ICP								
A006	43	61	14967	2.13	2.18	0.05	0.13	83.0	2.0		
A006	61	81	14968	2.15	1.97	0.05	0.13	91.0	2.0		
A006	81	101	14969	2.20	2.14	0.05	0.14	81.0	1.0		
A006	101	120	14970	2.26	2.16	0.05	0.12	70.0	1.0		
A006	120	140	14971	2.25	2.12	0.06	0.12	67.0	1.0		
A006	140	160	14972	2.64	2.42	0.06	0.13	91.0	1.0		
A006	160	180	14973	2.53	2.12	0.09	0.14	90.0	1.0		
A006	180	200	14974	2.34	2.11	0.06	0.14	79.0	1.0		
A006	200	220	14975	2.70	2.37	0.06	0.16	94.0	1.0		
A006	220	240	14976	2.73	2.41	0.05	0.15	81.0	1.0		

A006	240	260	14977	3.26	2.80	0.04	0.18	104.0	1.0
A006	260	280	14978	3.27	2.67	0.06	0.17	105.0	1.0
A006	280	300	14979	2.90	2.70	0.05	0.14	90.0	1.0
A006	300	320	14980	2.83	2.29	0.05	0.16	96.0	1.0
A006	320	340	14981	2.82	2.30	0.06	0.17	96.0	2.0
A006	340	360	14982	2.71	2.11	0.06	0.18	95.0	2.0
A006	360	380	14983	2.45	1.83	0.06	0.20	100.0	2.0
A006	380	400	14984	2.51	1.81	0.06	0.17	88.0	1.0
A006	400	420	14985	2.13	1.48	0.06	0.14	78.0	1.0
A006	420	440	14986	1.93	1.48	0.06	0.15	79.0	1.0
A006	440	470	14987	2.23	1.68	0.06	0.15	88.0	2.0
A006	470	500	14988	2.42	1.62	0.06	0.15	78.0	1.0
A006	500	530	14989	2.32	2.24	0.06	0.12	78.0	1.0
A006	530	560	14990	1.65	1.44	0.06	0.13	72.0	2.0
A006	560	590	14991	1.78	1.61	0.06	0.14	76.0	2.0
A006	590	604	14992	1.70	1.46	0.08	0.14	73.0	2.0
A006	604	6155	14993	1.42	0.71	0.09	0.16	58.0	2.0
A006	6155	637	14994	2.12	2.05	0.07	0.14	81.0	1.0
A006	637	669	14995	1.99	1.75	0.06	0.16	85.0	2.0
A006	669	6805	14996	1.68	1.26	0.06	0.17	74.0	3.0
A006	6805	7075	14997	2.01	1.49	0.08	0.19	93.0	4.0
A006	7075	721	14998	1.48	1.09	0.09	0.14	60.0	2.0
A006	721	740	14999	2.03	1.85	0.08	0.17	100.0	2.0
A006	740	770	15000	1.70	1.38	0.10	0.14	71.0	2.0
A006	770	803	15001	1.95	1.85	0.09	0.13	74.0	2.0
A006	803	830	15002	2.40	2.04	0.11	0.20	89.0	4.0
A006	830	860	15003	2.21	1.88	0.07	0.16	90.0	4.0
A006	860	890	15004	2.51	2.50	0.06	0.20	101.0	3.0
A006	890	920	15005	2.28	2.35	0.08	0.15	80.0	2.0
A006	920	945	15006	1.98	1.95	0.08	0.11	65.0	2.0

/END

Diamond Drill Hole 90-7

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IDEN6B0201V239  DDH90-7 NQ  20AUG90DAL   LECLAUG90S38   DALGRD  0.0
IPRJ      PLACER DOME INC                     MCCONNELL CREEK
S000  000   785 MT  156.9 091.0 -45.0               9044.0     9447.0     1470.0
S001  785  1569     156.9 091.0 -39.0
/NAM                                                     PYMG  CLSECBEPKFCYKAFU
LNAM                                                     CVAKPFTOPVCPGLHELMMA
/SCL        MT.2
LSCL                         LCTM
/       00    79        OVBD                   P
/       790  2980       AMGNAMHB   MXBN        P BN320   D*     S=S)<+Q=
L                            PF          3344           <)       <*    <*
R                AMPHIBOLITE GNEISS, MASSIVE, BLOTCHY IN PLACES WITH BANDING,
R                SOME SECTIONS MORE CHLORITIC, GREY/GREEN-BEIGE COLOUR,
R                SOME COARSE GRAINED SEGREGATIONS AND INTRUSIVE DYKES
R                EPIDOTIZED/SILICIFIED FRAGMENTS (CM TO CORE WIDTH) WITH
R                PYRITE, PY AS DISSEMINATIONS.
R                7.9 - 11.0 CHANGE IN ORIENTATION OF FOLIATION, 11 TO C.A.
R                SHORT INTERVAL, INCREASED ALTERATION
R                11.0 - 14.0 SIMILAR TO ABOVE
R                14.0 - 17.1 AS ABOVE WITH 0.5M CHLORITIC SCHIST (14.74 -
R                15.24), CALCAREOUS
R                17.1 - 20.0 MASSIVE, CHLORITIC
R                20.0 - 23.0 SIMILAR TO ABOVE, FRACTURING INCREASING WITH
R                EPIDOTE ALTERATION, CORE IS DARKER, BLOTCHY IN PLACES
R                23.0 - 25.0 EPIDOTIZATION AND FRACTURE INTENSITY INCREASING WITH
R                PY CHLORITE
R                25.0 - 27.0 10% SECTION SECONDARY INTRUSIVES (DYKES) MONZONITE
R                + PEGMATITE, CONTACTS SILICIFIED, ALTERED, HEMATITE ON FRACTURES
R                27.0 - 29.8 15% DYKES AS ABOVE, INCREASED ALTERATION
R                (SILICIFICATION, ETC) BROKEN CHLORITIC SECTION
/      2980  3260       CLS#CLCB   MXSC        P SC320   D(     P3P2P3
L                            SE          3223
R                29.0 - 32.6 DARK GREY-GREEN TO PALE GREEN/WHITE LAMINATIONS
R                (PLAG AND QUARTZ RICH),CHLORITIC SECTION IS CALCAREOUS,
R                QUARTZ FILLED FRACTURES STEEPER THAN CLEAVAGE, PYRITE TO 1%
/      3260  4170       AMGNHBCL   MXFG        P
L                          3GPF          3445
R                VERY MASSIVE, FINE GRAINED AMPHIBOLITE GNEISS, DARK GREY-GREEN,
R                CHLORITIC, FAINT PALE COLOURED BANDS, WELL FRACTRED (MICRO
R                FRACTURES)
R                32.6 - 35.0 DARK GREEN, F.G. CHLORITIC, MINOR EPIDOTE, TRACE
R                HEMATITE ON FRACTURES
R                35.0 - 38.0 SIMILAR TO ABOVE, EPIDOTE/SERICITE ALONG MICRO
R                FRACTURES
R                38.0 - 41.0 AS ABOVE HAS UNDERGONE SOME SILICIFICATION,
R                VEINLETS/FRACTURES WITH QUARTZ 70 DEGREES CA, <0.5CM WIDTH
R                41.0 - 43.0 AS ABOVE
/      4170  4290       MZDRHBQZ   MXMG        P
L                            PF
R                DYKE UNIT, CONTACTS SILICIFIED, 20% MAFICS (HB-BIOTITE),
R                DISS. PYRITE AND EPIDOTE ALTERATION WITH MINOR MAGNETITE
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/     4290  6100       AMGNHBCL   MXFG        P FO320      P1  P1P1
L                            3GOF            3445
R             MASSIVE VFG, GNEISS, DARK GREY/GREEN, CHLORITIC, BLOTCHY
R             IN PLACES WITH SOME COARSE CRYSTALLINE INTERVALS
R             42.9 - 46.0 SIMILAR TO PREVIOUS, MASSIVE AMPHIBOLITE,
R             BLOTCHY APPEARANCE DUE TO EPIDOTE ALTERATION
R             46.0 - 49.0 AS ABOVE WITH CROSSCUTTING DYKE (4CM WIDTH),
R             BANDED
R             49.0 - 52.0 INCREASED EPIDOTIZATION, BLOTCHY 50.5 - 50.62
R             QUARTZ VEIN, SECONDARY FRACTURES WITH CHLORITE-EPIDOTE-PYRITE
R             52.0-55.0,  SIMILAR TO ABOVE WITH 10% SILICIFIED
R             55.0 -58.1  AS ABOVE, 2 MONZONITE DYKES, 56.0 - 56.65,
R             57.65 - 58.0
R             58.1 - 61.0 MASSIVE, FINE GRAINED, SERICITE ALONG FRACTURES
/     6100  7890       AMGNHBCL   MXFG        P               P2P1P1P1
L                            3GPF            3445
R             VERY SIMILAR TO PREVIOUS, EXCEPT MORE BROKEN, (INCREASED
R             FRACTURING)
R             61.0 - 64.0 MASSIVE AMPHIBOLITE - CHLORITIC, PYRITE TO 2%
R             DISSEMINATED IN PLACES
R             64.0 - 67.0 AS ABOVE WITH IRREGULAR K-SPAR VEINS AND DIORITE
R             DYKES
R             67.0 - 70.0 WITH BANDS ALTERATION/BLEACHING, INTENSLY
R             FRACTURED 67.25 - 67.95 SILICIFICATION/EPIDOTIZED/SERICITE
R                        66.25 - 68.35 AS ABOVE
R             70.0 - 72.15 MASSIVE AMPHIBOLITE, AS PREVIOUS MUCH LESS ALTERATI
R             72.15 - 73.2 40% SECTION INTRUSIVE MONZONITE DYKES WITH
R             SECONDARY K-SPAR CONTACTS VERY CHLORITIC
R             73.2 - 76.0 SIMILAR TO ABOVE, 10% DYKE UNITS
R             76.0 - 78.9 MASSIVE, PALE GREY/GREEN, SOME INTRUSIVE
R             UNITS APPEAR TO HAVE BEEN ASSIMILATED, CHLORITIC, FAINT
R             TRACE OF BANDING/LINEATION
/     7890  9530       CLS5CLSE   MXSC        P SC320   D(    P2P1P2
L                              CB            3223
R             DISTINCT SCHISTOSE UNIT, VFG, PALE GREY/GREEN, PALER
R             COLOURED LAMINATIONS ARE CALCAREOUS
R             78.9 - 81.5 QTZ-SER-CHLORITE SCHIST, VERY CALCAREOUS END OF
R             SECTION
R             81.5 - 83.2 SECTION NOT AS FISSILE AS PREVIOUS, MORE GNEISSIC,
R             HEMATITE ALONG FRACTURES
R             83.2 - 86.45 CHLORITE-CARBONATE-SER SCHIST, SCHISTOSE AND
R             BANDED, SPECKLED IN PLACES 84.5 - 85.0 FAULT BRECCIA-HEALED
R             86.45 - 88.8 MASSIVE CHLORITE/CARBONATE SCHIST WITH SECONDARY
R             QUARTZ VEINING, PLUS INGESTED FRAGMENTS OF INTRUSIVE.  THIS
R             SECTION MAY REPRESENT A HEALED FAULT BRECCIA.  LESS THAN 10%
R             QUARTZ VEINING.
R             88.0 - 90.6 CHLORITIC DARK GREEN-PALE COLOURED BANDS
R             (MILLIMETRE SIZE), WITH SECONDARY
R             SILICIFICATION (BLUE-GREY QUARTZ). (90.3 - 90.6 QUARTZ VEIN)
R             90.6 - 92.2 BLEACHED SCHIST, CHLORITE SERICITE, TR-PYRITE
R             92.0 - 94.2 AS PREVIOUS WITH 2 QUZ (92.2-92.5, 94.0-94.2)
R             WITH COARSE PYRITE VEINING PARALLEL TO SCHISTOSITY
R             94.2 - 95.3 CHLORITE/CARBONATE SCHIST
R             95.3 - 96.0 SCHIST- CRACKLED APPEARANCE WITH QUARTZ INJECTION
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/    9600 11290       AMGNHBCL   MXBN        P BN320   D)  P=      P=
L                          3GPF          4545                      <*
R              MASSIVE AMPHIBOLITE (CHLORITIC),FINE TO MEDIUM GRAINED, DARK GRE
R              SECONDARY EPIDOTE ALONG FRACTURES AND CLEAVAGE.  SOME BANDING
R              (SHOWING FOLDS) AND MINOR SECONDARY INJECTION OF QUARTZ.
R              PYRITE TO 2-3% WHERE EPIDOTIZATION GREATEST.
R              96.0 - 99.0 WAVY APPEARANCE, HEMATITE ALONG FRACTURES
R              99.0 - 102.0 INCREASED EPIDOTE ALTERATION, 100.8 2CM DYKE
R              PEGMATITE, 2% PY
R              102.0 - 105.0 FOLIATION/BANDING PARALLEL TO C.A., COARSER
R              GRAINED WITH CHLORITE FILLING IRREGULAR FRACTURES, LAST 20CM
R              PEGMATITE INJECTION.
R              105.0 - 108.0 BANDED AMPHIBOLITE, SOME SECTIONS WITH DARK
R              GREEN-BLACK PORPHOBLASTS (OF ERODED AMPHIBOLITE) REP. 107.25
R              108.0 - 111.0 BANDED GNEISS, WELL FOLDED WITH EPIDOTE ALONG
R              BANDING, TRACE TO 2% PYRITE HEMATITE ALONG FRACTURE PLANES
R              111.0 - 112.9 AS PREVIOUS, FEW CENTIMETRES, PEGMATITIC
R              MATERIAL
/    11290 12090      AMGNHBCL   MXFG        P
L                          3GPF          3323
R              MASSIVE, VFG, DARK GREY AMPHIBOLITE GNEISS. LITTLE
R              ALTERATION COMPARED TO PREVIOUS SECTION, CM PEGMATITE DYKES.
R              GENERALLY VERY HOMOGENOUS
R              112.9 - 115.0 MASSIVE UNALTERED
R              115.0 - 118.0 WITH FRAGMENTS? ALTERED INTRUSIVE (OR INJECTIONS)
R              <5% CORE
R              118.0 - 120.0 AS ABOVE, SILICIFIED NEAR LOWER CONTACT
/    12090 12370      PGDKKFPF   MXMG        P
L                            QZ          3323
R              PINK-GREY MED GRAINED PEGMATITIC DYKE WITH SECONDARY QUARTZ
R              VEINING,BASE INTERVAL IS SILICIFIED MONZONITE WITH PY, CPY,
R              AND GALENA
/    12370 12776      CLS5QZSE   MXSC        P SC320                           FU
L                            CL                                                D*
R              CHLORITE-SERICITE SCHIST VFG., LAMINATED WITH SECONDARY
R              QUARTZ 123.7 - 125.4, (125.0-125.4, 40% QV)
R              125.4 - 127.75 QUARTZ-SERICITE-CHLORITE SCHIST, 126.35 - 126.8,
R              MASSIVE QV HOST WITH DISS. FUSCHITE + PYRITE 2%, VEINS ARE PARAL
R              CLEAVAGE DIRECTION
/    12776 13700      AMGNHBPF   MXFG        P
L                          3GCL          4546
R              MASSIVE VFG. GNEISS, VERY LITTLE ALTERATION MINERALS
R              127.75 - 131.0 SOME AMPHIBOLITE PORPHOBLASTS, RED HEMATITE ON
R              FRACTURES
R              134.0 - 137.0 AS ABOVE
/    13700 15100      FALTCBCY   FZBR        P                 P1P1P2    P2  FU
L                          A$QZ          6668                     K(  S+    D*
R              137.0 - 140.0 SECTION BROKEN, VERY CHLORITIC, TRACE ONLY
R              PYRITE, HEMATITE ALONG FRACTURES
R              140.0 - 143.0 AS ABOVE, FRAGMENTS ALTERED INTRUSIVE INCLUDED
R              IN THIS ZONE, FAULT GOUGE 140.2
R              143.0 - 146.0 INCLUDES FAULT GOUGE, VERTICAL FRACTURES WITH
R              CLAY, QTZ. FRAGMENTS IN GOUGE, 143.26 TR CPY IN VEIN,
R              144.7-145.2, VEINS 90 DEGREES TO C.A., ORIGINALLY SCHIST?
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R 146.0 - 149.0 INTRUSIVE/SCHIST, IRREGULAR CONTACTS, SCHIST
R DEGREES TO C.A.
R 149.0 - 151.0 FAULT/SHEAR, CLAY GOUGE PARALLEL TO C.A.
R INCREASED PY/PO
/ 15100 15690 QZMZQZPF SWFZ P D) P= P=
L 8A 6558
R QUARTZ MONZONITE, BROKEN AND FAULTED, SECONDARY VEINING
R PRE FAULTING, ALTERATION OF MUSCOVITE, SERICITE, CLAY, HEMATITE
R ALONG FRACTURES, PY/PO AS DISSEMINATIONS AND ALONG FRACTURES
R 151.0 - 153.0 10-15% SECONDARY VEINING
R 153.0 - 155.0 SIMILAR TO ABOVE, FOLIATION OF INTRUSIVE STILL
R VISIBLE
R 155.0 - 156.9 SIMILAR TO PREVIOUS
R SPLIT CORE
A001

AUMM			SAMPLE	Au1	Au	CU	PB	ZN	CA	K%	NA%	FE%
R				ppb	ppm	ppm	ppm	ppm	ppm	%	%	%
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST									
A001	79	110	15007	2.5		108	1	54	1.29	0.14	0.08	3.83
A001	110	140	15008	2.5		90	1	52	1.27	0.16	0.07	4.02
A001	140	171	15009	2.5		110	1	43	2.49	0.25	0.07	3.49
A001	171	200	15010	2.5		108	1	24	1.34	0.13	0.07	2.15
A001	200	230	15011	15		97	1	39	1.61	0.15	0.08	2.95
A001	230	250	15012	10		58	1	46	1.39	0.25	0.08	2.90
A001	250	270	15013	5		45	1	65	1.15	0.25	0.10	2.51
A001	270	298	15014	2.5		45	1	83	1.72	0.25	0.11	2.81
A001	298	326	15015	10		53	1	71	6.59	0.18	0.02	5.34
A001	326	350	15016	15		69	1	51	1.18	0.23	0.07	3.65
A001	350	380	15017	5		53	1	38	1.35	0.16	0.15	2.87
A001	380	410	15018	2.5		49	1	36	1.78	0.34	0.29	2.83
A001	410	430	15019	2.5		20	1	27	1.21	0.47	0.12	2.29
A001	430	460	15020	2.5		85	1	41	1.91	0.45	0.23	3.17
A001	460	490	15021	2.5		214	1	33	1.72	0.14	0.18	3.04
A001	490	520	15022	2.5		93	1	38	1.32	0.27	0.10	2.81
A001	520	550	15023	2.5		197	1	38	1.74	0.26	0.12	3.09
A001	550	581	15024	2.5		48	1	39	1.75	0.23	0.08	2.78
A001	581	610	15025	2.5		86	1	40	1.40	0.29	0.15	3.01
A001	610	640	15026	2.5		75	1	39	1.48	0.52	0.21	3.12
A001	640	670	15027	2.5		85	1	37	1.23	0.65	0.13	2.77
A001	670	700	15028	2.5		92	1	39	2.00	0.58	0.13	3.01
A001	700	732	15029	2.5		64	1	39	1.06	0.76	0.08	3.38
A001	732	760	15030	2.5		56	1	40	1.10	0.53	0.12	3.36
A001	760	789	15031	2.5		66	1	47	1.82	0.25	0.06	3.84
A001	789	815	15032	2.5		50	1	63	5.18	0.12	0.02	5.35
A001	815	832	15033	2.5		56	1	64	1.46	0.38	0.05	3.69
A001	832	865	15034	15		74	2	62	4.97	0.11	0.02	5.11
A001	865	888	15035	25		46	1	74	5.29	0.24	0.01	5.59
A001	888	906	15036	2.5		49	3	79	7.40	0.18	0.01	5.66
A001	906	922	15037	2.5		40	3	80	6.86	0.18	0.01	5.40
A001	922	942	15038	20		84	12	80	6.77	0.18	0.01	5.33
A001	942	953	15039	2.5		60	1	76	5.88	0.65	0.01	5.45
A001	953	960	15040	2.5		77	1	43	2.32	0.61	0.07	3.07

A001	960	990	15041	2.5	60	1	43	1.75	0.40	0.07	2.73
A001	990	1020	15042	2.5	57	1	38	1.80	0.28	0.12	2.73
A001	1020	1050	15043	2.5	95	1	35	1.41	0.30	0.10	2.35
A001	1050	1080	15044	2.5	77	1	42	1.58	0.30	0.10	2.80
A001	1080	1110	15045	2.5	138	1	35	1.81	0.47	0.11	2.62
A001	1110	1129	15046	2.5	81	8	27	2.91	0.32	0.13	2.24
A001	1129	1150	15047	2.5	147	1	29	1.63	0.19	0.13	2.35
A001	1150	1180	15048	2.5	67	2	30	1.73	0.24	0.12	2.29
A001	1180	1209	15049	2.5	104	1	36	1.83	0.19	0.12	2.72
A001	1209	1237	15050	2.5	63	1	77	5.91	0.20	0.01	4.91
A001	1237	1255	15051	2.5	34	4	24	1.97	0.26	0.07	1.74
A001	1255	1278	15052	2.5	30	24	61	6.46	0.21	0.01	4.70
A001	1278	1310	15053	2.5	82	1	30	1.36	0.14	0.08	2.27
A001	1310	1340	15054	2.5	105	1	42	1.51	0.11	0.05	3.04
A001	1340	1370	15055	30	63	1	34	1.32	0.16	0.08	2.52
A001	1370	1400	15056	35	59	1	53	2.04	0.26	0.06	3.52
A001	1400	1430	15057	65	60	3	49	6.45	0.32	0.04	4.19
A001	1430	1460	15058	265	10	3	52	8.51	0.19	0.01	3.84
A001	1460	1488	15059	105	48	2	57	7.04	0.24	0.02	4.16
A001	1488	1510	15060	160	12	3	41	4.60	0.27	0.05	3.02
A001	1510	1530	15061	80	4	3	26	2.84	0.29	0.05	0.97
A001	1530	1550	15062	40	3	3	30	3.04	0.25	0.04	1.10
A001	1550	1569	15063	25	8	4	13	3.10	0.24	0.05	0.94

A002

AUMM				RECOVY	RQD
A002	914	1070	156	100	78
A002	1070	1220	150	100	59
A002	1220	1371	151	92	41
A002	1371	1524	153	100	18
A002	1524	1676	152	100	9
A002	1676	1829	153	89	30
A002	1829	1981	152	100	42
A002	1981	2134	153	100	67
A002	2134	2286	152	100	54
A002	2286	2438	152	100	72
A002	2438	2743	305	100	57
A002	2743	2987	244	100	36
A002	2987	3292	305	100	81
A002	3292	3612	320	100	38
A002	3612	3932	320	97	68
A002	3932	4252	320	95	71
A002	4252	4557	305	100	66
A002	4557	4877	320	99	52
A002	4877	5182	305	100	63
A002	5182	5486	304	100	72
A002	5486	5791	305	98	59
A002	5791	6096	305	100	68
A002	6096	6401	305	92	32
A002	6401	6645	245	92	38
A002	6645	6949	304	100	52
A002	6949	7254	305	100	60
A002	7254	7468	214	100	31
A002	7468	7620	152	100	15
A002	7620	7772	152	100	62

A002	7772	7925	153	100	66							
A002	7925	8077	152	89	61							
A002	8077	8230	163	98	47							
A002	8230	8382	152	100	72							
A002	8382	8534	152	100	64							
A002	8534	8687	153	100	51							
A002	8687	8840	153	100	59							
A002	8840	8992	152	100	54							
A002	8992	9144	152	100	59							
A002	9144	9449	305	100	44							
A002	9449	9601	152	100	60							
A002	9601	9910	309	100	60							
A002	9910	10058	148	100	85							
A002	10058	10210	152	100	90							
A002	10210	10363	153	100	67							
A002	10363	10516	153	100	75							
A002	10516	10670	154	100	32							
A002	10670	10820	150	98	57							
A002	10820	10973	153	95	56							
A002	10973	11125	152	100	74							
A002	11125	11278	153	100	73							
A002	11278	11430	152	100	94							
A002	11430	11582	152	100	96							
A002	11582	11735	153	100	56							
A002	11735	11887	152	100	84							
A002	11887	12040	153	100	77							
A002	12040	12192	152	100	36							
A002	12192	12344	152	100	16							
A002	12344	12497	153	88	53							
A002	12497	12650	153	96	42							
A002	12650	12802	152	100	51							
A002	12802	13075	273	100	29							
A002	13075	13411	326	100	37							
A002	13411	13686	275	99	24							
A002	13686	14021	335	97	0							
A002	14021	14326	305	100	18							
A002	14326	14630	304	100	26							
A002	14935	15240	305	98	0							
A002	15240	15545	305	100	8							
A002	15545	15690	145	100	22							
A003												
AUMM			SAMPL	AU1	Au							
R				ppb	ppm							
ALAB			PDI RESEARCH									
ATYP			SLUDGE									
AMTH			WET GEOCHEM A.A.									
A003	91	122	52482	2.5								
A003	122	152	52483	10								
A003	152	183	52484	2.5								
A003	183	213	52485	2.5								
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									

ATYP SPLIT CORE
AMTH ICP

A004	79	110	15007	1	0.20	34	30	0.10	20	4	17	2.5
A004	110	140	15008	1	0.05	35	38	0.20	19	4	22	2.5
A004	140	171	15009	1	0.10	31	143	0.10	25	3	67	2.5
A004	171	200	15010	1	0.05	25	101	0.10	18	2	57	2.5
A004	200	230	15011	1	0.05	29	115	0.05	17	3	48	2.5
A004	230	250	15012	1	0.10	26	83	0.05	20	2	32	2.5
A004	250	270	15013	1	0.20	25	55	0.05	24	2	23	2.5
A004	270	298	15014	1	0.05	26	67	0.05	27	2	28	2.5
A004	298	326	15015	1	0.30	32	126	0.05	15	2	67	2.5
A004	326	350	15016	1	0.10	31	59	0.05	24	2	31	2.5
A004	350	380	15017	1	0.05	25	49	0.05	27	2	25	2.5
A004	380	410	15018	1	0.05	23	61	0.05	74	2	20	2.5
A004	410	430	15019	1	0.05	21	52	0.05	93	2	14	2.5
A004	430	460	15020	1	0.05	29	64	0.05	78	2	23	2.5
A004	460	490	15021	1	0.20	28	61	0.10	18	2	17	2.5
A004	490	520	15022	1	0.20	31	67	0.05	31	1	22	2.5
A004	520	550	15023	1	0.05	31	54	0.05	24	2	17	2.5
A004	550	581	15024	1	0.05	22	47	0.05	24	2	18	2.5
A004	581	610	15025	1	0.20	28	64	0.05	46	2	28	2.5
A004	610	640	15026	1	0.10	24	73	0.05	78	2	25	2.5
A004	640	670	15027	1	0.10	25	68	0.05	95	2	30	2.5
A004	670	700	15028	1	0.10	29	68	0.05	64	2	28	2.5
A004	700	732	15029	1	0.10	27	51	0.10	90	7	26	2.5
A004	732	760	15030	1	0.30	27	63	0.10	48	2	29	2.5
A004	760	789	15031	1	0.20	31	63	0.05	23	3	35	2.5
A004	789	815	15032	1	0.10	32	72	0.05	10	4	41	2.5
A004	815	832	15033	1	0.05	31	54	0.10	29	4	30	2.5
A004	832	865	15034	1	0.05	29	40	0.05	6	3	25	2.5
A004	865	888	15035	1	0.20	38	338	0.05	19	8	152	2.5
A004	888	906	15036	1	0.60	39	248	0.05	22	3	136	2.5
A004	906	922	15037	1	0.40	36	136	0.10	11	3	106	2.5
A004	922	942	15038	1	0.60	36	121	0.05	15	4	103	2.5
A004	942	953	15039	1	0.30	35	167	0.05	41	3	85	2.5
A004	953	960	15040	1	0.10	25	125	0.05	37	4	58	2.5
A004	960	990	15041	1	0.20	26	136	0.05	28	3	67	2.5
A004	990	1020	15042	1	0.20	27	109	0.05	21	1	48	2.5
A004	1020	1050	15043	1	0.10	24	107	0.05	31	1	49	2.5
A004	1050	1080	15044	1	0.10	25	111	0.05	41	2	56	2.5
A004	1080	1110	15045	1	0.05	26	104	0.05	59	1	47	2.5
A004	1110	1129	15046	1	0.20	26	176	0.05	43	1	76	2.5
A004	1129	1150	15047	1	0.10	26	111	0.10	24	2	58	2.5
A004	1150	1180	15048	1	0.10	23	136	0.10	29	2	67	2.5
A004	1180	1209	15049	1	0.05	27	126	0.05	27	2	62	2.5
A004	1209	1237	15050	1	0.20	28	118	0.10	21	3	70	2.5
A004	1237	1255	15051	1	0.05	11	76	0.05	24	2	15	2.5
A004	1255	1278	15052	1	0.20	28	135	0.10	28	4	74	2.5
A004	1278	1310	15053	1	0.10	21	113	0.10	21	3	48	2.5
A004	1310	1340	15054	1	0.10	26	115	0.10	16	3	46	2.5
A004	1340	1370	15055	1	0.20	22	80	0.10	22	2	35	2.5
A004	1370	1400	15056	1	0.10	25	77	0.10	24	2	40	2.5
A004	1400	1430	15057	1	0.10	23	45	0.10	29	3	32	2.5
A004	1430	1460	15058	1	0.05	22	52	0.10	24	3	44	2.5

A004	1460	1488		15059	1	0.05	24	83	0.05	41	3	50	2.5
A004	1488	1510		15060	1	0.05	12	38	0.10	32	3	17	2.5
A004	1510	1530		15061	1	0.10	3	65	0.05	80	2	4	2.5
A004	1530	1550		15062	1	0.05	3	65	0.10	48	2	3	2.5
A004	1550	1569		15063	1	0.05	3	86	0.10	107	3	4	2.5
A005													
AUMM				SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R					ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
ALAB			PDI RESEARCH										
ATYP			SPLIT CORE										
AMTH			ICP										
A005	79	110		15007	2	5	4	5.0	5.0	1.5	548	29	
A005	110	140		15008	1	5	4	8.0	8.0	1.5	561	33	
A005	140	171		15009	2	5	8	2.5	9.0	1.5	588	46	
A005	171	200		15010	1	5	4	2.5	5.0	1.5	339	33	
A005	200	230		15011	1	5	5	2.5	5.0	1.5	497	47	
A005	230	250		15012	2	5	5	2.5	5.0	1.5	518	51	
A005	250	270		15013	3	5	4	2.5	2.5	1.5	471	51	
A005	270	298		15014	2	5	6	8.0	6.0	3.0	540	74	
A005	298	326		15015	2	5	13	2.5	5.0	1.5	1207	191	
A005	326	350		15016	1	5	5	6.0	5.0	1.5	572	47	
A005	350	380		15017	2	5	4	2.5	2.5	1.5	415	63	
A005	380	410		15018	2	5	5	6.0	5.0	1.5	413	103	
A005	410	430		15019	3	5	3	2.5	2.5	1.5	307	74	
A005	430	460		15020	2	5	6	2.5	5.0	1.5	518	129	
A005	460	490		15021	2	5	6	6.0	2.5	1.5	449	74	
A005	490	520		15022	3	5	5	2.5	7.0	1.5	458	54	
A005	520	550		15023	1	5	5	2.5	6.0	1.5	514	55	
A005	550	581		15024	3	5	4	2.5	5.0	1.5	504	68	
A005	581	610		15025	1	5	6	8.0	7.0	1.5	459	64	
A005	610	640		15026	2	5	7	2.5	6.0	1.5	456	77	
A005	640	670		15027	2	5	5	2.5	2.5	1.5	439	64	
A005	670	700		15028	1	5	7	7.0	6.0	1.5	532	66	
A005	700	732		15029	1	5	5	5.0	6.0	1.5	444	35	
A005	732	760		15030	3	5	6	5.0	11.0	1.5	442	41	
A005	760	789		15031	2	5	6	2.5	6.0	1.5	598	44	
A005	789	815		15032	2	5	10	2.5	6.0	1.5	1023	117	
A005	815	832		15033	1	5	5	2.5	7.0	1.5	749	53	
A005	832	865		15034	3	5	8	2.5	5.0	1.5	1029	105	
A005	865	888		15035	2	5	18	2.5	12.0	1.5	1080	163	
A005	888	906		15036	2	5	12	2.5	10.0	1.5	1313	459	
A005	906	922		15037	2	5	8	2.5	5.0	1.5	1160	477	
A005	922	942		15038	2	5	6	2.5	6.0	1.5	1089	516	
A005	942	953		15039	2	5	16	2.5	5.0	1.5	1175	308	
A005	953	960		15040	2	5	9	2.5	5.0	1.5	581	89	
A005	960	990		15041	2	5	5	6.0	7.0	1.5	526	63	
A005	990	1020		15042	2	5	7	2.5	5.0	1.5	489	95	
A005	1020	1050		15043	1	5	5	2.5	6.0	1.5	423	74	
A005	1050	1080		15044	1	5	6	6.0	9.0	1.5	472	74	
A005	1080	1110		15045	1	5	7	2.5	5.0	1.5	431	90	
A005	1110	1129		15046	3	5	7	9.0	10.0	3.0	442	96	
A005	1129	1150		15047	2	5	6	2.5	2.5	1.5	408	53	
A005	1150	1180		15048	1	5	6	2.5	6.0	1.5	418	55	
A005	1180	1209		15049	2	5	6	5.0	5.0	1.5	493	61	

A005	1209	1237	15050	2	5	7	2.5	2.5	1.5	1081	356
A005	1237	1255	15051	8	5	3	2.5	2.5	1.5	420	88
A005	1255	1278	15052	3	5	6	2.5	7.0	3.0	1121	639
A005	1278	1310	15053	3	5	5	2.5	9.0	1.5	399	48
A005	1310	1340	15054	3	5	5	5.0	9.0	1.5	534	46
A005	1340	1370	15055	3	5	5	2.5	9.0	1.5	445	46
A005	1370	1400	15056	3	5	7	2.5	7.0	1.5	615	73
A005	1400	1430	15057	3	5	6	2.5	2.5	1.5	1187	307
A005	1430	1460	15058	3	5	4	2.5	2.5	1.5	1431	267
A005	1460	1488	15059	7	5	7	2.5	7.0	1.5	1502	267
A005	1488	1510	15060	11	5	2	2.5	5.0	1.5	803	166
A005	1510	1530	15061	9	5	1	2.5	5.0	1.5	506	124
A005	1530	1550	15062	10	5	1	2.5	2.5	1.5	574	149
A005	1550	1569	15063	9	5	1	2.5	2.5	1.5	514	119
A006											
AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR		
R				%	%	%	ppm	ppm	ppm		
ALAB			PDI RESEARCH								
ATYP			SPLIT CORE								
AMTH			ICP								
A006	79	110	15007	1.96	1.77	0.09	0.12	93.0	1.0		
A006	110	140	15008	2.21	2.03	0.08	0.12	98.0	1.0		
A006	140	171	15009	2.30	2.61	0.07	0.10	93.0	2.0		
A006	171	200	15010	1.39	1.70	0.07	0.09	49.0	1.0		
A006	200	230	15011	1.98	2.08	0.07	0.14	71.0	1.0		
A006	230	250	15012	2.31	2.27	0.07	0.14	67.0	1.0		
A006	250	270	15013	2.07	2.12	0.06	0.14	60.0	1.0		
A006	270	298	15014	2.40	2.32	0.07	0.15	72.0	1.0		
A006	298	326	15015	3.42	4.26	0.06	0.02	115.0	0.5		
A006	326	350	15016	2.97	3.13	0.06	0.13	77.0	0.5		
A006	350	380	15017	2.62	2.30	0.06	0.12	63.0	1.0		
A006	380	410	15018	3.01	1.90	0.09	0.14	69.0	1.0		
A006	410	430	15019	1.44	1.14	0.07	0.15	62.0	1.0		
A006	430	460	15020	2.59	1.81	0.09	0.17	90.0	1.0		
A006	460	490	15021	1.82	1.42	0.09	0.13	85.0	1.0		
A006	490	520	15022	2.06	1.95	0.09	0.15	67.0	2.0		
A006	520	550	15023	2.02	1.75	0.10	0.14	67.0	2.0		
A006	550	581	15024	1.99	1.89	0.09	0.12	64.0	1.0		
A006	581	610	15025	2.38	2.32	0.07	0.14	77.0	1.0		
A006	610	640	15026	2.43	2.25	0.05	0.15	87.0	2.0		
A006	640	670	15027	2.07	2.11	0.06	0.15	75.0	1.0		
A006	670	700	15028	2.42	2.18	0.07	0.17	82.0	2.0		
A006	700	732	15029	2.57	2.73	0.06	0.13	90.0	1.0		
A006	732	760	15030	2.48	2.65	0.06	0.13	93.0	2.0		
A006	760	789	15031	2.99	3.34	0.05	0.09	90.0	0.5		
A006	789	815	15032	3.30	4.10	0.06	0.01	94.0	0.5		
A006	815	832	15033	2.96	3.27	0.07	0.13	87.0	1.0		
A006	832	865	15034	2.92	3.41	0.06	0.03	89.0	1.0		
A006	865	888	15035	4.77	5.54	0.06	0.09	154.0	0.5		
A006	888	906	15036	2.81	6.16	0.05	0.01	74.0	0.5		
A006	906	922	15037	1.98	5.35	0.05	0.00	50.0	0.5		
A006	922	942	15038	1.83	4.52	0.06	0.00	37.0	0.5		
A006	942	953	15039	3.18	4.71	0.05	0.06	125.0	0.5		
A006	953	960	15040	2.30	2.78	0.06	0.13	87.0	2.0		

A006	960	990	15041	2.11	2.60	0.06	0.11	69.0	2.0
A006	990	1020	15042	1.93	2.17	0.06	0.15	79.0	2.0
A006	1020	1050	15043	1.74	2.00	0.06	0.13	62.0	2.0
A006	1050	1080	15044	2.20	2.53	0.07	0.15	75.0	1.0
A006	1080	1110	15045	1.88	1.92	0.07	0.17	78.0	2.0
A006	1110	1129	15046	1.88	2.12	0.07	0.14	63.0	3.0
A006	1129	1150	15047	1.62	1.86	0.07	0.13	64.0	2.0
A006	1150	1180	15048	1.75	2.03	0.07	0.12	59.0	2.0
A006	1180	1209	15049	1.95	2.18	0.08	0.14	72.0	2.0
A006	1209	1237	15050	2.02	3.73	0.06	0.01	58.0	0.5
A006	1237	1255	15051	1.05	0.94	0.05	0.07	41.0	2.0
A006	1255	1278	15052	1.55	3.89	0.05	0.01	42.0	0.5
A006	1278	1310	15053	1.70	1.89	0.07	0.11	59.0	2.0
A006	1310	1340	15054	2.11	2.29	0.08	0.11	71.0	2.0
A006	1340	1370	15055	1.80	1.96	0.07	0.11	61.0	2.0
A006	1370	1400	15056	2.39	2.44	0.09	0.10	80.0	1.0
A006	1400	1430	15057	1.44	2.07	0.09	0.01	37.0	0.5
A006	1430	1460	15058	1.11	1.28	0.07	0.00	16.0	1.0
A006	1460	1488	15059	1.51	2.24	0.07	0.00	50.0	1.0
A006	1488	1510	15060	1.38	0.56	0.10	0.00	27.0	1.0
A006	1510	1530	15061	0.61	0.11	0.05	0.00	9.0	1.0
A006	1530	1550	15062	0.58	0.12	0.06	0.00	8.0	0.5
A006	1550	1569	15063	0.58	0.07	0.05	0.00	7.0	0.5

/END

Diamond Drill Hole 90-8

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IDEN6B0201V239  DDH90-8  NQ 22AUG90DAL   LECLJUL90S38   DALGRD  0.0
IPRJ      PLACER DOME INC                      MCCONNELL CREEK
S000   00   4000MT   96.0 089.5 -45.0               9430.0   9430.0     1470.
S001  400   960      96.0 089.5 -42.0
/SCL        MT.2
LSCL                      LCTM
/NAM                                                      PYMG  CLSECBEPKFCYKAFU
LNAM                                                      CVAKPFTOPVCPGLHELMMA
/      000   230      OVBD                    P
/      230  2550      AMGNHBPF   FGCG         P GN320         P1S=<=P1
L                         5AQZ          3344                   D*    <*
R              MASSIVE DARK GREY-GREEN AMPHIBOLITE, FINE TO COARSE GRAINED, BLO
R              PLACES DUE TO ALTERATION AND INHOMOGENOUS NATURE OF ROCK UNIT.
R              HEMATITE FILLING FRACTURES (2.3-8.0M). UNIT APPEARS TO
R              BE MASSIVE AMPHIBOLITE GNEISS WITH SEGREGATIONS? MICRODIORITE,
R              QUARTZ FILLED HAIRLINE FRACTURES AT LOW ANGLE TO C.A.
R              2.3 - 5.0 HEMATITE MUD IN FRACTURES
R              5.0 - 8.0 MED. GRAINED DIORITE, BASE INTERVAL SILICIFIED
R              WITH SERICITE
R              8.0 - 11.0 BLOTCHY APPEARANCE DUE TO SILICIFICATION/BLEACHING
R              11.0 - 14.0 FAINT BANDING/FOLIATION 40-85 DEGREES C.A. BASE
R              INTERVAL SILICIFIED WITH SERICITE - INCREASED DISS. PYRITE
R              14.0 - 17.0 DIORITE, MED. GRAINED WITH SECONDARY
R              SILICIFICATION, SERICITE
R              17.0 - 18.0 WELL FRACTURED, CHLORITIC, FRACTURES/SHEARS LOW
R              ANGLE C.A.
R              18.0 - 21.0 MAINLY SHEARED/BROKEN AMPHIBOLITE
R              21.0 - 23.5 BROKEN, VEINS QTZ-CARB 0 DEGREES TO C.A. WITH
R              RHODOCHROSITE, HEMATITE ALONG FRACTURES
R              23.5 - 25.5 VERY BROKEN, QTZ-CARB FILLING CM FRACTURES 0
R              DEGREE TO C.A. WITH RHODOCROSITE, TR CPY, GAL, HOST IS VERY CALC
R              AND CHLORITIC.
/     2550  4830      AMGNHBPF   FGMX         P GN320         P1S=<=P1
L                         3GQZ          3344                   D*    <*
R              VERY FINE GRAINED, MASSIVE, DARK GREEN CHLORITIC AMPHIBOLITE.
R              PATCHES/FRAGMENTS COARSER GRAINED AND UNALTERED, SOME
R              VERTICAL FRACTURES (QTZ-CARB) AS ABOVE.
R              25.5 - 28.5 MASSIVE, BLOTCHY APPEARANCE, STEEP FRACTURES WITH
R              CHLORITE/SERICITE
R              28.5 - 31.5 CHLORITE, FRACTURES 0 DEGRE C.A., CARBONATE IN
R              FRACTURES, INCREASED PY ALONG FRACTURES
R              31.5 - 33.5 AS ABOVE, BROWN TINGE
R              33.5 - 35.5 FRACTURE/VEIN WITH QTZ-CARB-PYRITE
R              35.5 - 36.5 SIMILAR TO ABOVE, VERY CHLORITIC, BROKEN CORE
R              38.5 - 41.25 BROKEN CORE, HEMATITE ALONG FRACTURES
R              41.25 - 44.0 MASSIVE, BLOTCHY AMPHIBOLITE, SECONDARY FRACTURING
R              WITH ALTERATION GIVES CORE A STOCKWORK APPEARANCE
R              44.0 - 47.0 GENERALLY QUITE MASSIVE, BLEACHED IN PLACES, SOME
R              RELIC BANDING
R              47.0 - 48.3 DIORITE DYKE (47.9 - 48.05), EPIDOTIZED ON HANGING
R              WALL (WITH SOME SILICIFICATION)
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/    4830  5365      CLS5CLQZ   FGSH       P SH320   D*    F2F2F2
L                        PF            4334                   S*S(
R          PALE BUFF/GREY SCHIST, COLOUR VARYS TO DARK GREY-GREEN WHERE
R          UNIT MORE CHLORITIC, DISTINCT SCHISTOSE TEXTURE, CALCAREOUS IN
R          PLACES.  SECONDARY QUARTZ FILLING FRACTURES, LARGER QUARTZ
R          STRUCTURES ARE PARALLEL TO SCHISTOSITY
R          48.3 - 49.9 SCHIST, QTZ-SER-CARB, FRACTURES (TO 1CM)
R          FILLLED WITH QTZ-CARB WITH CPY
R          49.9 - 52.0 FRACTURE STEEP ANGLE C.A. (2CM WIDTH) PY. TR CPY,
R          MASSIVE GLOB PYRITE ALONG FRACTURE (10CM) 50.2 - 50.55
R          QTZ-CARB, SERICITE CONTACT
R          52.0 - 53.65 CHLORITIC SCHIST, CLEAVAGE/VEINS PARALLEL 52.45 -
R          53.65 70% QVZ, TR CPY, CHLORITE/CARBONATE SCHIST FOOTWALL,
R          CRACKLED APPEARANCE
/    5365  7415      AMGNHBPF   FGMX       P BN320         P1P=<+P+
L                       8GQZ           3334                    <(
R          53.65 - 55.0 VERY BLOTCHY, CHLORITIC WITH SECONDARY QUARTZ
R          WITHIN FRACTURES (10%)
R          55.0 - 58.0 SIMILAR TO ABOVE CHLORITIC, SOME SILICIFICATION
R          58.0 - 61.0 MASSIVE AMPHIBOLITE, MINOR SECONDARY SILICIFICATION
R          61.0 - 63.0 SIMILAR TO ABOVE WITH QV AND SCHIST HORIZONS, 62.7
R          - 63.0 SCHIST WITH QV 62.0M REP TAKEN WITH TR CPY IN QUARTZ
R          63.0 - 66.0 MASSIVE AMPHIBOLITE, AS ABOVE, HAIRLINE FRACTURES
R          WITH A VERY IRREGULAR ORIENTATION
R          66.0 - 69.0 AMPHIBOLITE AS ABOVE, TR ONLY PYRITE, 68.4 - 68.,0
R          MONZONITE DYKE ALONG CORE AXIS WITH SECONDARY VEINING, TR PY
R          69.0 - 72.0 AMPHIBOLITE, 69.0 - 69.4 MONZONITE WITH TR CPY,
R          SECTION IS CHLORITIC
R          72.0 - 74.15 ALMOST SCHISTOSE, WITH SECONDARY VEINING/FRACTURES
R          PARALLEL TO C.A., FOOTWALL HAS MONZONITE DYKE WITH SECONDARY
R          VEINING
/    7415  8320      CLSHCLQZ   FGSH       P SH320   D*    F2F2F2
L                        SE            4334                   S*
R          CHLORITE-QTZ-SERICITE SCHIST WITH SECONDARY VEINING, ALSO
R          WITHIN THIS SECTION ARE SECTIONS OF ALTERED MONZONITE
R          74.15 - 72.0 MAINLY INJESTED INTRUSIVE,
R          FRACTURES/SCHISTOSITY 0 DEGREES C.A., 2-4% PYRITE AS
R          DISSEMINATIONS, TRACE RHODOCHROSITE ALONG FRACTURES (WITH
R          QUARTZ-CALCITE)
R          77.0 - 78.95 ORIGINALLY QTZ-SERICITE SCHIST, SULPHIDE RICH TO
R          5%, WITH SOME SECONDARY SILICIFICATION, SHEARING PARALLEL TO
R          C.A.  REP. 78.0M
R          78.95 - 81.0M QVZ IN CHLORITIC SCHIST, 78.95 - 79.65 (80%),
R          FOOTWALL IS CHLORITIC SCHIST WITH MONZONITE.  REP 79.85 WITH
R          VERY FINE DISS. CPY
R          81.0 - 82.3 CHL-CARB-SER SCHIST WITH INTRUSIVE
R          INCLUSIONS
/    8320  9600      QZMZQZPF              P               D*    D)D)D+
L                        HB            4456
R          BROKEN/ALTERED MONZONITE, BUFF-GREY COLOUR, TEXTURE PARTIALLY
R          OBLITERATED DUE TO PERVASIVE SILICIFICATION, ORIGINAL TEXTURE
R          BEST DESCRIBED AS PORPHYRITIC AND SLIGHTLY FOLIATED.  CONTACT
R          ZONE IS BROKEN AND PROBABLY FAULTED.  HORNBLENDE (UP TO
R          10%) ALTERED TO CHLORITE/EPIDOTE.
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R 82.3 - 85.0 CONTACT ZONE BROKEN
R 85.0 - 88.0 CALORITE ALONG FRACTURES, PY/PO ALONG FOLIATION
R 88.0 - 91.0 SECONDARY K-SPAR ALT. ALONG VEINS,
R CHLORITE/SERICITE, BLUE-GREY QTZ ALONG FRACTURES (TO 1CM)
R 91.0 - 94.0 LESS ALTERED THAN PREVIOUS, SOME SILICIFICATION
R 94.0 - 96.0 AS ABOVE REP 95.0M

A001												
AUMM			SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%
R				ppb	ppm	ppm	ppm	ppm	ppm	%	%	%
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST									
A001	23	50	15064	2.5		46	1	34	1.01	0.14	0.07	2.47
A001	50	80	15065	2.5		59	1	33	1.01	0.18	0.06	2.44
A001	80	110	15066	2.5		79	1	44	1.82	0.17	0.11	3.23
A001	110	140	15067	2.5		88	1	45	1.51	0.19	0.07	3.17
A001	140	170	15068	2.5		77	1	50	1.52	0.30	0.07	3.52
A001	170	180	15069	2.5		61	1	58	3.00	0.79	0.05	4.81
A001	180	210	15070	2.5		96	1	46	2.47	0.64	0.05	3.72
A001	210	235	15071	270		65	1	55	3.91	0.20	0.01	4.66
A001	235	255	15072		0.9	114	1	41	8.77	0.25	0.00	4.58
A001	255	285	15073	2.5		69	1	40	2.01	0.20	0.07	3.30
A001	285	315	15074	2.5		52	1	49	2.37	0.15	0.05	3.63
A001	315	335	15075	2.5		180	1	73	3.51	0.21	0.02	5.05
A001	335	355	15076	2.5		74	1	63	4.24	0.13	0.02	4.50
A001	355	385	15077	2.5		49	1	75	5.41	0.17	0.01	5.51
A001	385	413	15078	2.5		112	1	58	3.01	0.15	0.06	4.49
A001	413	440	15079	2.5		97	1	46	1.85	0.18	0.11	3.57
A001	440	470	15080	2.5		42	1	40	1.34	0.14	0.05	2.79
A001	470	483	15081	2.5		102	1	49	1.37	0.42	0.05	3.41
A001	483	499	15082	2.5		49	4	71	5.78	0.93	0.00	5.22
A001	499	520	15083	340		406	7	52	6.01	0.42	0.00	6.38
A001	520	5365	15084	85		50	10	70	5.51	0.77	0.00	4.99
A001	5365	550	15085	5		37	2	23	1.32	0.20	0.06	1.81
A001	550	580	15086	5		72	1	27	1.51	0.19	0.08	2.19
A001	580	610	15087	15		110	1	34	1.62	0.30	0.06	2.64
A001	610	630	15088	15		133	1	41	1.73	0.36	0.05	2.70
A001	630	660	15089	2.5		77	1	30	1.51	0.18	0.08	2.35
A001	660	690	15090	5		91	2	33	1.60	0.24	0.08	2.41
A001	690	720	15091	2.5		92	1	41	1.82	0.24	0.08	2.74
A001	720	7415	15092	2.5		84	1	53	3.85	0.56	0.07	3.80
A001	7415	770	15093	5		104	1	55	4.37	0.55	0.04	4.04
A001	770	7895	15094	290		5	2	54	6.40	0.60	0.01	3.98
A001	7895	810	15095		0.43	69	2	68	6.55	0.46	0.01	4.26
A001	810	823	15096	100		29	1	94	6.96	0.35	0.00	5.91
A001	823	850	15097	230		23	2	51	4.91	0.19	0.05	3.07
A001	850	880	15098	80		21	1	38	3.15	0.19	0.06	2.02
A001	880	910	15099	15		3	2	39	1.55	0.13	0.10	1.33
A001	910	940	15100	2.5		7	1	30	1.44	0.23	0.08	0.92
A001	940	960	15151	10		6	1	32	1.67	0.13	0.06	1.07

A002					
AUMM				RECOVY	RQD
A002	305	457	152	98	24
A002	457	610	153	92	36

A002	610	762	152	93	22							
A002	762	914	152	100	62							
A002	914	1067	153	100	55							
A002	1067	1220	153	100	25							
A002	1220	1371	151	100	62							
A002	1371	1524	153	100	54							
A002	1524	1676	152	97	47							
A002	1676	1829	153	100	14							
A002	1829	1981	152	84	10							
A002	1981	2134	153	100	08							
A002	2134	2286	152	100	09							
A002	2286	2438	152	158	11							
A002	2438	2743	305	100	37							
A002	2743	2896	153	100	51							
A002	2896	3048	152	91	39							
A002	3048	3200	152	100	00							
A002	3200	3353	153	97	25							
A002	3353	3658	305	100	09							
A002	3658	3962	304	97	12							
A002	3962	4267	305	96	22							
A002	4267	4572	305	100	54							
A002	4572	4877	305	100	28							
A002	4877	5182	305	100	37							
A002	5182	5486	304	93	42							
A002	5486	5791	305	96	44							
A002	5791	6096	305	100	51							
A002	6096	6400	304	94	48							
A002	6400	6706	306	100	47							
A002	6706	7010	304	100	47							
A002	7010	7315	305	100	30							
A002	7315	7620	305	99	70							
A002	7620	7925	305	96	28							
A002	7925	8169	244	100	27							
A002	8169	8473	304	94	36							
A002	8473	8839	366	100	15							
A002	8839	9140	301	96	28							
A002	9140	9449	309	95	17							
A002	9449	9600	159	93	08							
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			ICP									
A004	23	50	15064	1	0.10	22	59	0.10	28	2	23	2.5
A004	50	80	15065	1	0.05	21	51	0.10	27	1	21	2.5
A004	80	110	15066	1	0.20	25	60	0.10	28	2	21	2.5
A004	110	140	15067	1	0.20	25	55	0.10	27	2	21	2.5
A004	140	170	15068	1	0.30	25	69	0.10	46	2	24	2.5
A004	170	180	15069	1	0.10	32	56	0.10	70	2	27	2.5
A004	180	210	15070	1	0.20	27	86	0.10	49	2	39	2.5
A004	210	235	15071	1	0.10	31	43	0.20	18	3	21	2.5
A004	235	255	15072	1	0.05	26	39	0.30	15	3	20	2.5
A004	255	285	15073	1	0.10	22	41	0.10	23	2	19	2.5

A004	285	315	15074	1	0.10	25	52	0.05	17	10	25	2.5
A004	315	335	15075	1	0.20	35	73	0.20	19	3	34	2.5
A004	335	355	15076	1	0.05	29	92	0.10	16	6	42	2.5
A004	355	385	15077	1	0.05	26	57	0.05	21	3	28	2.5
A004	385	413	15078	1	0.20	28	54	0.10	23	2	25	2.5
A004	413	440	15079	1	0.20	25	51	0.10	22	2	21	2.5
A004	440	470	15080	1	0.20	21	44	0.10	15	2	21	2.5
A004	470	483	15081	1	0.10	31	59	0.10	36	2	26	2.5
A004	483	499	15082	1	0.10	28	100	0.05	59	4	50	2.5
A004	499	520	15083	1	0.40	31	141	0.40	20	5	103	2.5
A004	520	5365	15084	1	0.30	41	298	0.05	39	4	119	2.5
A004	5365	550	15085	1	0.10	20	165	0.10	24	2	65	2.5
A004	550	580	15086	1	0.05	22	140	0.10	22	2	66	2.5
A004	580	610	15087	1	0.10	25	103	0.10	22	2	49	2.5
A004	610	630	15088	1	0.20	22	117	0.10	24	1	56	2.5
A004	630	660	15089	1	0.05	21	95	0.10	21	2	48	2.5
A004	660	690	15090	1	0.05	20	89	0.10	29	1	41	2.5
A004	690	720	15091	1	0.05	24	126	0.10	27	3	56	2.5
A004	720	7415	15092	1	0.05	24	97	0.10	52	2	39	2.5
A004	7415	770	15093	1	0.10	25	94	0.10	46	3	39	2.5
A004	770	7895	15094	1	0.20	22	85	0.10	36	2	42	2.5
A004	7895	810	15095	1	0.20	27	251	0.05	35	5	92	2.5
A004	810	823	15096	1	0.05	32	192	0.05	34	3	87	2.5
A004	823	850	15097	1	0.05	10	42	0.10	34	2	22	2.5
A004	850	880	15098	1	0.10	8	22	0.10	29	2	6	2.5
A004	880	910	15099	1	0.05	7	41	0.10	37	1	4	2.5
A004	910	940	15100	1	0.05	5	60	0.05	68	2	4	2.5
A004	940	960	15151	1	0.05	5	51	0.05	41	2	3	2.5
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			ICP									
A005	23	50	15064	1	5	4	2.5	2.5	1.5	433	40	
A005	50	80	15065	1	5	3	2.5	2.5	1.5	412	33	
A005	80	110	15066	2	5	5	2.5	6.0	1.5	608	54	
A005	110	140	15067	3	5	5	2.5	2.5	1.5	527	43	
A005	140	170	15068	3	5	5	8.0	8.0	1.5	560	50	
A005	170	180	15069	2	5	10	2.5	5.0	1.5	811	49	
A005	180	210	15070	1	5	8	2.5	6.0	1.5	627	44	
A005	210	235	15071	1	5	6	2.5	2.5	1.5	808	71	
A005	235	255	15072	2	5	7	2.5	2.5	1.5	1189	151	
A005	255	285	15073	1	5	6	2.5	2.5	1.5	594	64	
A005	285	315	15074	1	5	6	2.5	2.5	1.5	716	47	
A005	315	335	15075	1	5	6	9.0	10.0	5.0	1129	54	
A005	335	355	15076	1	5	6	2.5	2.5	1.5	966	62	
A005	355	385	15077	1	5	10	2.5	2.5	1.5	1119	87	
A005	385	413	15078	3	5	11	6.0	2.5	3.0	811	89	
A005	413	440	15079	3	5	8	2.5	2.5	1.5	642	51	
A005	440	470	15080	1	5	5	2.5	2.5	1.5	506	51	
A005	470	483	15081	3	5	5	2.5	5.0	1.5	559	73	
A005	483	499	15082	1	5	10	2.5	6.0	1.5	1208	239	
A005	499	520	15083	1	5	8	2.5	2.5	1.5	1367	257	

A005	520	5365	15084	2	5	16	2.5	7.0	1.5	931	194
A005	5365	550	15085	1	5	4	2.5	5.0	1.5	325	53
A005	550	580	15086	1	5	5	2.5	2.5	1.5	390	47
A005	580	610	15087	2	5	5	2.5	5.0	1.5	472	55
A005	610	630	15088	1	5	4	2.5	7.0	1.5	537	51
A005	630	660	15089	1	5	5	2.5	2.5	1.5	437	47
A005	660	690	15090	2	5	4	2.5	2.5	1.5	468	48
A005	690	720	15091	1	5	6	2.5	5.0	1.5	552	56
A005	720	7415	15092	2	5	7	2.5	5.0	1.5	844	139
A005	7415	770	15093	2	5	8	2.5	5.0	1.5	902	150
A005	770	7895	15094	2	5	7	2.5	2.5	1.5	1096	215
A005	7895	810	15095	2	5	14	2.5	6.0	1.5	1438	266
A005	810	823	15096	3	5	14	2.5	6.0	1.5	1772	441
A005	823	850	15097	4	5	2	2.5	2.5	1.5	891	290
A005	850	880	15098	4	5	1	2.5	2.5	1.5	600	140
A005	880	910	15099	4	5	1	2.5	2.5	1.5	403	171
A005	910	940	15100	5	5	1	2.5	6.0	1.5	330	168
A005	940	960	15151	3	5	1	2.5	2.5	1.5	370	147
A006											
AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR		
R				%	%	%	ppm	ppm	ppm		
ALAB			PDI RESEARCH								
ATYP			SPLIT CORE								
AMTH			ICP								
A006	23	50	15064	1.90	1.87	0.06	0.11	57.0	1.0		
A006	50	80	15065	1.75	1.69	0.07	0.11	53.0	1.0		
A006	80	110	15066	2.34	1.94	0.09	0.15	81.0	1.0		
A006	110	140	15067	2.03	1.83	0.08	0.13	76.0	1.0		
A006	140	170	15068	2.30	2.02	0.08	0.15	87.0	1.0		
A006	170	180	15069	3.37	3.11	0.06	0.17	134.0	1.0		
A006	180	210	15070	2.69	2.69	0.06	0.13	96.0	1.0		
A006	210	235	15071	2.65	2.35	0.09	0.06	80.0	0.5		
A006	235	255	15072	2.50	2.22	0.07	0.01	56.0	0.5		
A006	255	285	15073	2.05	1.84	0.08	0.10	77.0	1.0		
A006	285	315	15074	2.36	2.31	0.06	0.10	83.0	1.0		
A006	315	335	15075	3.27	3.07	0.08	0.10	116.0	0.5		
A006	335	355	15076	3.02	2.77	0.08	0.10	94.0	1.0		
A006	355	385	15077	3.72	3.07	0.08	0.08	125.0	0.5		
A006	385	413	15078	2.93	2.56	0.09	0.12	110.0	1.0		
A006	413	440	15079	2.18	1.99	0.08	0.14	90.0	3.0		
A006	440	470	15080	2.05	2.09	0.06	0.12	68.0	1.0		
A006	470	483	15081	2.42	2.35	0.10	0.15	70.0	1.0		
A006	483	499	15082	2.81	3.67	0.08	0.10	102.0	0.5		
A006	499	520	15083	1.86	3.77	0.05	0.03	50.0	0.5		
A006	520	5365	15084	3.94	4.60	0.05	0.07	116.0	0.5		
A006	5365	550	15085	1.42	1.71	0.05	0.10	45.0	1.0		
A006	550	580	15086	1.63	1.94	0.06	0.11	55.0	1.0		
A006	580	610	15087	1.86	1.97	0.08	0.14	73.0	2.0		
A006	610	630	15088	2.11	2.29	0.07	0.12	63.0	1.0		
A006	630	660	15089	1.65	1.86	0.07	0.11	64.0	2.0		
A006	660	690	15090	1.63	1.72	0.08	0.11	62.0	1.0		
A006	690	720	15091	1.98	2.19	0.07	0.13	71.0	1.0		
A006	720	7415	15092	2.61	2.54	0.08	0.13	97.0	1.0		
A006	7415	770	15093	2.57	2.59	0.09	0.10	99.0	0.5		

A006	770	7895	15094	2.00	2.12	0.08	0.04	59.0	0.5
A006	7895	810	15095	2.81	3.50	0.05	0.03	98.0	0.5
A006	810	823	15096	2.33	4.45	0.11	0.03	116.0	0.5
A006	823	850	15097	1.08	1.15	0.10	0.01	28.0	0.5
A006	850	880	15098	1.11	0.56	0.08	0.02	21.0	1.0
A006	880	910	15099	1.14	0.59	0.08	0.06	19.0	1.0
A006	910	940	15100	0.86	0.34	0.06	0.06	15.0	1.0
A006	940	960	15151	0.82	0.42	0.07	0.04	13.0	1.0

/END

Diamond Drill Hole 90-9

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IDEN6B0201V239  DDH90-9  NQ 23AUG90DAL   LECLAUG90S38   DALGRD  0.0
IPRJ       PLACER DOME INC                           MCCONNELL CREEK
S000   00   3353MT   33.53091.5 -45.0                   9597.0    9476.0    1458.0
/SCL        MT.2
LSCL                          LCTM
/NAM                                                          PYMG  CLSECBEPKFCYKAFU
LNAM                                                          CVAKPFTOPVCPGLHELMMA
/      000   310       OVBD                      P
/      310  1042       AMGN                      P          D*  P=     <=<)
L                                             3334                  <(     <)
R               3.1-10.4, AMPHIBOLITE GNEISS, V.F.G., BLOTCHY, DARK GREEN
R               APPEARANCE, SEVERAL SECTIONS OF QZMZ DYKES.  UNIT GENERALLY
R               QUITE MASSIVE/SILICIFIED WITH SEVERAL NARROW (3-15CM)
R               INTERVALS COARSER CRYSTALLINE DYKE MATERIAL.  MONZONITE IS
R               EPIDOTIZED.  FRACTURES WITH K-SPAR, SERICITE & QUARTZ. TR-1%
R               PYRITE, TR CPY IN FRACTURE.  HEMATITE ALONG FRACTURES AT
R               LOW ANGLE TO C.A.
R               8.1 - 6.1 NARROW INTERVALS DIORITE WITH PY + EPIDOTE
R               6.1 - 9.1 RELIC BANDING, SILICIFIED CONTACT, QZMZ DYKE
R               9.1 - 10.4 BLOTCHY - RELIC BANDING
/     1042  3353       QZMZ                      P
L                                             4334
R               10.4 - 13.4 CONTACT ZONE OF GNEISS AND QZMZ, WELL ALTERED
R               EPIDOTE/SERICITE TO 11.85 THEN BROKEN, PY/PO TO 2% ALONG QUARTZ
R               FILLED FRACTURES AND AS DISSEMINATIONS.
R               13.4 - 15.4 SIMILAR TO ABOVE WITH QVZ IN BROKEN CORE,
R               SILICIFIED SECTIONS HAVE MUSCOVITE SERICITE ALTERATION.  14.0 -
R               14.5 QVZ - 2% PY/PO
R               15.4 - 18.4 ALTERED MONZONITE, EPIDOTIZED WITH XENOLITHS
R               VOLCANICS TO 0.5 METRES, K-SPAR ALONG FRACTURES.
R               18.4 - 21.4 INCREASED K-SPAR ALTERATION, 18.65 5 CM. QVZ WITH
R               PYRITE. 18.9 - 19.2 PINK FELSITE DYKE, WEAK BANDING 50 DEGREES
R               C.A., 19.81 - 19.95 AS ABOVE
R               21.4 - 24.2 SIMILAR TO ABOVE, MONZONITE APPEARS FRESHER AND
R               LESS ALTERED THAN PREVIOUS, 21.7 - 22.0 SILICIFIED, 1% DISS.
R               PYRITE.  23.0 - 24.2 INCREASED K-SPAR ALONG FRACTURES 0 DEGREES
R               C.A., 40 - 50 DEGREES C.A. PARALLEL TO FOLIATION.
R               24.2 - 26.1, PRIMARILY AMPHIBOLITE XENOLITH, ZONE OF
R               SILICIFICATION AT BASE SECTION WITH 1-2% PYRITE/SERICITE.
R               GIVES SPECKLED APPEARANCE.
R               26.1 - 29.1 ALTERED QZMZ, EPIDOTE PLUS FRACTURES WITH K-SPAR,
R               CHLORITE, EPIDOTE 1-2% DISS. PYRITE
R               29.1 - 32.1 AS ABOVE
R               32.1 - 33.53 ALTERED WITH OPEN FRACTURES WITH VUGGY QUARTZ
R               WITH PYRITE
A001
AUMM                 SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                             ppb   ppm   ppm   ppm   ppm   ppm    %     %     %
ALAB            PDI RESEARCH
ATYP            SPLIT CORE
AMTH            WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
```

A001	31	61	15152	2.5		88	1	40	1.36	0.56	0.11	2.61
A001	61	91	15153	2.5		44	2	29	1.31	0.34	0.10	1.83
A001	91	104	15154	2.5		77	2	35	1.37	0.39	0.08	2.07
A001	104	134	15155	15		36	1	32	1.64	0.15	0.04	1.52
A001	134	154	15156	2.5		3	2	34	1.82	0.24	0.05	1.23
A001	154	184	15157	2.5		33	2	47	1.35	0.53	0.08	1.59
A001	184	214	15158	2.5		15	2	35	1.19	0.38	0.10	1.22
A001	214	242	15159	15		10	2	32	1.20	0.31	0.08	0.97
A001	242	261	15160	140		36	1	70	2.27	0.87	0.05	2.59
A001	261	291	15161	5		3	1	40	1.26	0.34	0.11	1.19
A001	291	321	15162	10		8	1	48	1.32	0.26	0.06	1.23
A001	321	335	15163	10		2	2	32	1.40	0.19	0.07	0.99
A002												
AUMM				RECOVY	RQD							
A002	457	610	163	84	25							
A002	610	762	152	100	49							
A002	762	914	152	100	43							
A002	914	1219	305	92	32							
A002	1219	1524	305	93	13							
A002	1524	1676	152	96	37							
A002	1676	1829	153	93	59							
A002	1829	1981	152	100	09							
A002	1981	2133	152	100	00							
A002	2133	2286	153	100	31							
A002	2286	2438	152	100	43							
A002	2438	2590	152	100	53							
A002	2590	2743	153	100	37							
A002	2743	2896	153	98	39							
A002	2896	3048	152	97	50							
A002	3048	3200	152	97	86							
A002	3200	3353	153									
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			ICP									
A004	31	61	15152	1	0.05	22	81	0.10	63	2	30	2.5
A004	61	91	15153	1	0.05	16	73	0.10	46	2	23	2.5
A004	91	104	15154	5	0.20	16	73	0.10	43	1	26	2.5
A004	104	134	15155	1	0.05	10	37	0.10	32	1	5	2.5
A004	134	154	15156	2	0.05	5	52	0.05	47	2	4	2.5
A004	154	184	15157	1	0.05	10	91	0.05	74	3	5	2.5
A004	184	214	15158	1	0.05	7	85	0.05	62	3	6	2.5
A004	214	242	15159	1	0.20	7	78	0.05	53	2	4	2.5
A004	242	261	15160	1	0.05	12	204	0.05	93	3	12	2.5
A004	261	291	15161	1	0.05	7	95	0.05	74	2	6	2.5
A004	291	321	15162	1	0.10	10	57	0.05	41	2	5	2.5
A004	321	335	15163	1	0.05	8	68	0.05	41	2	4	2.5
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									

AMTH			ICP									
A005	31	61	15152	3	5	5	2.5	2.5	1.5	497	57
A005	61	91	15153	2	5	4	2.5	2.5	1.5	381	90
A005	91	104	15154	2	5	4	2.5	2.5	1.5	468	74
A005	104	134	15155	4	5	1	2.5	2.5	1.5	437	147
A005	134	154	15156	4	5	1	2.5	2.5	1.5	431	170
A005	154	184	15157	6	5	1	2.5	2.5	1.5	441	207
A005	184	214	15158	4	5	1	2.5	2.5	1.5	327	195
A005	214	242	15159	6	5	1	2.5	7.0	1.5	312	150
A005	242	261	15160	6	5	2	2.5	7.0	1.5	850	164
A005	261	291	15161	5	5	1	2.5	6.0	1.5	352	202
A005	291	321	15162	4	5	1	2.5	5.0	1.5	409	158
A005	321	335	15163	6	5	1	2.5	2.5	1.5	364	164
A006											
AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR		
R				%	%	%	ppm	ppm	ppm		
ALAB			PDI RESEARCH								
ATYP			SPLIT CORE								
AMTH			ICP								
A006	31	61	15152	1.80	1.76	0.08	0.14	73.0	1.0		
A006	61	91	15153	1.40	1.26	0.07	0.11	50.0	1.0		
A006	91	104	15154	1.42	1.47	0.08	0.11	60.0	2.0		
A006	104	134	15155	0.98	0.66	0.09	0.05	24.0	1.0		
A006	134	154	15156	0.87	0.46	0.07	0.06	20.0	1.0		
A006	154	184	15157	1.24	0.65	0.08	0.11	35.0	2.0		
A006	184	214	15158	1.06	0.45	0.06	0.09	25.0	1.0		
A006	214	242	15159	0.86	0.39	0.05	0.07	18.0	2.0		
A006	242	261	15160	1.59	1.06	0.10	0.10	37.0	1.0		
A006	261	291	15161	1.08	0.50	0.07	0.09	24.0	1.0		
A006	291	321	15162	0.98	0.60	0.07	0.07	21.0	2.0		
A006	321	335	15163	0.84	0.40	0.06	0.06	14.0	1.0		
/END											

Diamond Drill Hole 90-10

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IDEN6B0201V239  DDH90-10 NQ 29AUG90DAL   LECLAUG90S38   DALGRD  0.0
IPRJ      PLACER DOME INC                         MCCONNELL CREEK
S000   000  3000MT   60.0  89.5 -45.0              9598.    9450.      1460.0
S001  3000  6000     60.0  89.5 -41.0
/SCL        MT.2
LSCL                      LCTM
/NAM                                                        PYMG  CLSECBEPKFCYKAFU
LNAM                                                        CVAKPFTOPVCPGLHELMMA
/      000   350       OVBD                     P
/      350  1040       AMGN                     P
L                                          3344
R               3.5 - 10.4 MED. TO COARSE CRYSTALLINE AMPHIBOLITE, COARSE
R               PORPHOBLASTS AMPHIBOLES TO CM SIZE SET IN FINER GRAINED
R               MATRIX OF QUARTZ FELDSPAR. CORE IS BLOTCHY IN PLACES DUE TO
R               INHOMOGENOUS NATURE OF AMPHIBOLES.
R               3.5-6.5 AS ABOVE, REP 5.2M, CORE BROKEN WITH LIMONITE-HEMATITE
R               ALONG FRACTURES
R               6.5 - 9.5 INCREASED ALTERATION, EPIDOTE/SERICITE ALONG
R               FRACTURES, BLOTCHY APPEARANCE
R               9.5 - 10.4 SECTION IS CHLORITIC, SILICIFIED WITH QTZ IN
R               FRACTURE 0 DEGREES TO C.A.
/     1040  1250       CLS5                     P          D)  P2P1P1
L                                          3344
R               10.4 - 12.5 SCHIST, HOWEVER SECONDARY
R               SILICIFICATION OBLITERATED ORIGINAL TEXTURE.  CRACKLED TEXTURE
R               AT BASE MATERIAL (VERY CALCAREOUS)
/     1250  5600       AMGN                     P          D)  P1    P1
L                                          3334
R               12.5 - 56.0 AMPHIBOLITE, SIMILAR TO ABOVE, GENERALLY FINER
R               GRAINED, MORE CHLORITIC, MASSIVE, DARK GREEN WITH SECTIONS OF
R               CHLORITE SCHIST (WITH SECONDARY VEINING) USUALLY LESS
R               THAN 0.5 METRES.
R               12.5 - 15.3 BROKEN, CHLORITIC, TWO QZMQ DYKES (10CM WIDTH)
R               PARALLEL C.A.
R               15.3 - 18.4 SILICIFIED/EPIDOTIZED UPPER SECTION BANDED,
R               LOST CORE
R               18.4 - 21.4 BROKEN, CRACKLED/CHLORITIC DARK GREEN
R               21.4 - 24.4 CHLORITIC WITH QV (LESS THAN 10% SECTION)
R               EPIDOTIZED WITH UP TO 2% PYRITE
R               24.4 - 27.4  26.53 - 26.93 CHLORITIC SCHIST 0 TO 10 DEGREES TO C
R               WITHIN AMPHIBOLITE HOST.
R               27.4 - 30.4   28.67-29.27 CHLORITIC SCHIST
R               30.4 - 33.4   RELIC BANDING, 10 - 20 DEGREES C.A.
R               33.4 - 36.4   34.95 - 35.2 QZMZ DYKE, ALTERED + SILICIFIED
R               (EPIDOTE + K-SPAR WITH 2-3% PYRITE) 35.4 SIMILAR DYKE - 60
R               DEGREES C.A. - 5CM
R               36.4 - 39.4    38.5 CHLORITIC WITH QVZ, 40 DEGREES C.A. WITH
R               PYRITE
R               39.4 - 42.4    40.62 QZMZ DYKE, 3CM, 60 DEGREES C.A. 40.86 -
R               41.4 ALTERED DYKE WITH QTZ-KSPAR VEIN 1-2% PYRITE
R               42.4 - 45.4    MASSIVE AMPHIBOLITE
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R              45.4 - 48.4   MASSIVE AMPHIBOLITE, 46.5 - 46.65 PYRITE WITHIN
R              ALTERED DYKE UNIT
R              48.4 - 51.4 BROKEN AND LOST CORE, SOME QUARTZ VEIN MATERIAL,
R              HEMATITE-CARBONATE ALONG STEEP FRACTURES 1-3% PYRITE WITHIN
R              INTENSELY SILICIFIED SECTIONS
R              51.4 - 54.4  AMPHIBOLITE MASSIVE - 10% SECTION SILICIFIED
R              WITH PY/PO EPIDOTE ENRICHMENT ALONG FRACTURE 20 DEGRESS C.A.
R              54.4 - 56.0  AMPHIBOLITE, MASSIVE, WITH UP TO 10% QVZ AND QZMZ
R              DYKE UNITS.  QUARTZ-MONZONITE CONTACT ZONE, SECONDARY QUARTZ
R              VEINS ALONG CONTACT, MAFICS HAVE BEEN EPIDOTIZED.  TRACE DISS.
R              PYRITE WEAKLY FOLIATED AT 45 DEGREES C.A.
/    5600  6000     QZMZ                  P                P*  P1
R              56.0 - 59.0 AS ABOVE
R              59.0 - 60.0 WITH SECONDARY SILICIFICATION AND K-SPAR
R              ALTERATION ALONG FRACTURES AND QUARTZ VEINS.  LAST HALF SAMPLE
R              IS SILICIFIED WITH 1-3% PYRITE.
A001
AUMM                  SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                              ppb   ppm   ppb   ppm   ppm   ppm    %     %     %
ALAB           PDI RESEARCH
ATYP           SPLIT CORE
AMTH           WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A001   35    65     15164    5          125     1    46  1.74  0.17  0.08  3.86
A001   65    95     15165   20          106     1    42  1.85  0.18  0.06  3.52
A001   95   104     15166   85           54     1    53  6.46  0.49  0.01  5.09
A001  104   125     15167  215           16     1    53  7.30  0.47  0.00  5.28
A001  125   153     15168  2.5           59     1    50  2.32  0.26  0.04  3.42
A001  153   184     15169  2.5          103     1    13  3.60  0.10  0.04  1.67
A001  184   214     15170  2.5          133     1    32  1.70  0.19  0.10  2.65
A001  214   244     15171  2.5           73     1    29  2.98  0.26  0.05  2.36
A001  244   274     15172  2.5           91     1    41  2.24  0.38  0.04  3.43
A001  274   304     15173  2.5           98     1    50  3.99  0.24  0.04  4.21
A001  304   334     15174  2.5          124     1    34  1.73  0.17  0.06  2.85
A001  334   364     15175  2.5          121     1    32  2.17  0.21  0.08  2.58
R              CHANGE TO NEW BOOKLET SERIES
A001  364   394     52501   10           72     1    35  1.89  0.25  0.08  2.50
A001  394   424     52502  2.5           93     1    30  1.45  0.27  0.10  2.23
A001  424   454     52503   25           65     1    33  1.47  0.35  0.11  2.31
A001  454   484     52504  2.5          101     1    37  1.53  0.26  0.10  2.66
A001  484   514     52505  210           86     1    64  4.26  0.21  0.04  4.44
A001  514   544     52506   15           97     1    48  2.36  0.30  0.07  3.00
A001  544   560     52507  2.5          121     1    53  2.54  0.33  0.11  3.20
A001  560   590     52508  2.5           13     1    36  1.32  0.17  0.10  1.58
A001  590   600     52509
A002
AUMM                     RECOVY   RQD
A002   610   914   304     100     51
A002   914  1219   305      99     58
A002  1219  1524   305      93     08
A002  1524  1825   301      28     00
A002  1825  2134   309      93     42
A002  2134  2378   244      80     24
A002  2378  2743   365      80     35
A002  2743  3048   305     100     31
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A002	3048	3353	305	99	58							
A002	3353	3652	299	97	42							
A002	3652	3962	310	99	51							
A002	3962	4267	305	100	67							
A002	4267	4572	305	97	58							
A002	4572	4877	305	100	43							
A002	4877	5186	309	77	07							
A002	5186	5334	148	99	22							
A002	5334	5486	152	100	38							
A002	5486	5639	143	100	31							
A002	5639	5791	152	97	45							
A002	5791	5944	153	90	11							
A002	5944	6000	60	92	00							
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			ICP									
A004	35	65	15164	1	0.05	34	118	0.10	13	3	27	2.5
A004	65	95	15165	1	0.05	32	87	0.10	12	3	23	2.5
A004	95	104	15166	1	0.05	35	104	0.05	36	4	33	2.5
A004	104	125	15167	1	0.10	29	124	0.05	28	5	43	2.5
A004	125	153	15168	1	0.10	25	88	0.10	20	3	33	2.5
A004	153	184	15169	1	0.05	23	107	0.10	8	3	33	2.5
A004	184	214	15170	2	0.10	28	114	0.10	18	2	46	2.5
A004	214	244	15171	1	0.05	25	150	0.10	19	2	56	2.5
A004	244	274	15172	1	0.20	31	202	0.10	30	2	94	2.5
A004	274	304	15173	1	0.20	32	201	0.05	18	2	86	2.5
A004	304	334	15174	1	0.20	25	107	0.20	15	2	48	2.5
A004	334	364	15175	1	0.10	23	99	0.10	25	2	49	2.5
A004	364	394	52501	1	0.05	22	98	0.10	24	2	45	2.5
A004	394	424	52502	1	0.20	23	99	0.10	26	3	43	2.5
A004	424	454	52503	1	0.05	22	107	0.05	36	5	49	2.5
A004	454	484	52504	1	0.05	23	72	0.10	30	2	32	2.5
A004	484	514	52505	1	0.10	28	109	0.20	25	3	53	2.5
A004	514	544	52506	1	0.10	21	89	0.10	33	2	37	2.5
A004	544	560	52507	1	0.05	21	90	0.10	44	2	35	2.5
A004	560	590	52508	1	0.05	10	64	0.05	35	2	6	2.5
A004	590	600	52509									
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			SPLIT CORE									
AMTH			ICP									
A005	35	65	15164	1	5	9	2.5	7.0	1.5	619	56	
A005	65	95	15165	1	5	6	2.5	2.5	1.5	561	57	
A005	95	104	15166	1	5	9	2.5	5.0	1.5	1147	111	
A005	104	125	15167	1	5	10	2.5	2.5	1.5	1233	133	
A005	125	153	15168	1	5	5	2.5	5.0	1.5	671	75	
A005	153	184	15169	3	5	4	2.5	8.0	1.5	376	113	
A005	184	214	15170	1	5	6	2.5	6.0	1.5	458	82	
A005	214	244	15171	1	5	5	2.5	6.0	1.5	499	94	

A005	244	274	15172	1	5	5	2.5	6.0	1.5	572	44
A005	274	304	15173	1	5	7	2.5	6.0	1.5	799	80
A005	304	334	15174	2	5	5	2.5	6.0	1.5	484	57
A005	334	364	15175	3	5	6	2.5	6.0	1.5	487	61
A005	364	394	52501	2	5	6	2.5	5.0	1.5	504	55
A005	394	424	52502	3	5	5	2.5	7.0	1.5	411	54
A005	424	454	52503	1	5	6	2.5	2.5	1.5	437	40
A005	454	484	52504	1	5	6	2.5	2.5	1.5	506	58
A005	484	514	52505	4	5	13	2.5	5.0	1.5	804	101
A005	514	544	52506	4	5	8	2.5	6.0	1.5	598	81
A005	544	560	52507	3	5	9	2.5	7.0	3.0	705	90
A005	560	590	52508	5	5	1	2.5	2.5	1.5	367	159
A005	590	600	52509								
A006											
AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR		
R				%	%	%	ppm	ppm	ppm		
ALAB			PDI RESEARCH								
ATYP			SPLIT CORE								
AMTH			ICP								
A006	35	65	15164	2.56	2.51	0.03	0.17	126.0	2.0		
A006	65	95	15165	2.39	2.31	0.03	0.14	106.0	1.0		
A006	95	104	15166	3.53	3.18	0.05	0.11	102.0	0.5		
A006	104	125	15167	3.67	3.45	0.05	0.08	95.0	0.5		
A006	125	153	15168	2.55	2.54	0.06	0.13	84.0	1.0		
A006	153	184	15169	1.32	0.83	0.06	0.11	45.0	2.0		
A006	184	214	15170	1.86	1.91	0.06	0.15	72.0	2.0		
A006	214	244	15171	1.84	1.95	0.07	0.12	59.0	2.0		
A006	244	274	15172	2.69	3.17	0.06	0.10	87.0	0.5		
A006	274	304	15173	3.14	3.54	0.06	0.10	114.0	1.0		
A006	304	334	15174	1.99	2.16	0.06	0.11	73.0	1.0		
A006	334	364	15175	1.78	1.98	0.08	0.11	66.0	1.0		
A006	364	394	52501	1.81	1.93	0.08	0.13	69.0	1.0		
A006	394	424	52502	1.61	1.74	0.07	0.11	56.0	1.0		
A006	424	454	52503	1.51	1.75	0.07	0.13	66.0	1.0		
A006	454	484	52504	1.69	1.79	0.08	0.13	73.0	1.0		
A006	484	514	52505	2.57	2.22	0.08	0.05	89.0	1.0		
A006	514	544	52506	1.77	1.95	0.08	0.10	77.0	2.0		
A006	544	560	52507	1.90	2.09	0.09	0.11	92.0	3.0		
A006	560	590	52508	1.18	0.76	0.08	0.08	33.0	1.0		
A006	590	600	52509								
/END											

APPENDIX IV

LISTING OF ROCK SAMPLE DATA

McCONNELL CREEK PROJECT

1990 ROCK SAMPLE DATA

Sample	Location	LITH	ABBREVIATED DESCRIPTION	Au ppb	Au ppm	Cu ppm	Ag ppm	Pb ppm
53901	L.11625N, 9650E	AMGN	Grab of alt'd & silic'd amphibolite gneiss, minor carb. & malachite staining	250		1540	0.6	<2
53902	L.4500N, 9625E	CLS#	Grab of rusty, fine gr'd laminated chlorite schist hosted by amphibolite	10		116	<0.1	<2
53903	L.11120N, 9720E	QZVN	Quartz float with about 1% diss. Py, trace of Cpy	<5		128	0.2	<2
53904	L.11100N, 9615E	AMGN	Amphibolite with chlor., epid. alt., narrow qtz-carb vein with <1% py	<5		84	<0.1	<2
53905	L.10975N, 9680E	AMGN	Foliated amphibolite gneiss with qtz. carb-epid-chlor. alt., diss & clots of Py	<5		276	<0.1	<2
53906	L.4262N, 9970E	QZVN	Pyritic qtz vein hosted by chlorite schist	5		78	0.6	34
53907	L.3035N, 10300E	AMGN	0.4 m chip sample of silic'd, fine-gr'd amphibolite with 2-3% diss Py	25		377	0.1	<2
53908	L.3150N, 10220E	QZVN	Rusty, vuggy qtz vein hosted by chlor-ser-carb schist	115		7	0.3	113
53909	L.3025N, 10275E	QZVN	1.0 m chip sample of pyritic qtz vein hosted by chlor-ser-carb. schist		25	6	14	0.6%
53910	Trench 90-2	QZDR	Grab from muck piles, quartz diorite	<5		60	0.1	2

Sample	Location	LITH	ABBREVIATED DESCRIPTION	Au ppb	Au ppm	Cu ppm	Ag ppm	Pb ppm
53911	Trench 90-6	QZMZ	Grab from muck piles, quartz monzonite	<5		7	<0.1	4
53912	Trench 90-7	QZMZ	Grab from muck piles, quartz monzonite	<5		5	<0.1	2
53916	Trench 90-16	QZDR	Grab from muck piles, quartz diorite	<5		49	<0.1	<2
53917	Test Pit L.11205N 9805E	AMGN	Float of amphibolite gneiss	<5		133	<0.1	<2
53922	Test Pit, L.11205N 9805E	MZDR	Float, monzonitic diorite	<5		42	<0.1	6
53923	Test Pit, L.9350N 9465E	AMGN	Float of amphibolite with narrow qtz veins, <1% diss py, cpy	<5		321	0.1	2
53924	Test Pit, L.9350N 9450E	AMGN	Float of amphibolite with qtz lenses <1% diss py, cpy	<5		78	<0.1	<2
53925	Test Pit, L.9350N 9540E	AMGN	Float of amphibolite with about 1-2% clots of Py and Cpy	<5		107	<0.1	<2
52576	L.9450N, 9370E	QZVN	Float of rusty ankerite, qtz patches and lenses hosted by chlor. schist, about 1% diss Py	25		<1	<0.1	5

Sample Name	Type	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm
52576	Rock Pulp	<0.1	0.46	<5	14	<2	>10.00	0.1	33	69	<1	>5.00	<3	0.14	<2	3.52	1692
53901	Pulp	0.6	1.56	<5	<2	<2	3.80	1.1	34	116	1540	3.14	<3	0.02	4	0.64	1208
53902	Pulp	<0.1	2.76	6	15	<2	1.50	0.2	22	54	116	>5.00	<3	0.09	<2	1.69	463
53903	Pulp	0.2	1.65	<5	31	<2	1.64	0.2	35	156	128	3.11	<3	0.08	<2	1.37	592
53904	Pulp	<0.1	2.17	<5	13	<2	2.19	<0.1	28	131	84	2.40	<3	0.06	<2	1.48	481
53905	Pulp	<0.1	2.55	<5	13	<2	1.42	<0.1	38	41	276	>5.00	<3	0.16	<2	2.39	681
53906	Pulp	0.6	1.39	<5	9	78	2.93	0.2	21	179	78	>5.00	<3	0.33	<2	1.33	947
53907	Pulp	0.1	1.57	5	18	<2	1.46	<0.1	17	124	377	4.87	<3	0.14	2	0.37	260
53908	Pulp	0.3	0.08	<5	6	<2	0.73	<0.1	8	392	7	1.35	<3	0.02	<2	0.26	333
53909	Pulp	12.6	0.13	<5	11	12	0.16	7.3	7	260	6	3.98	<3	0.09	<2	0.03	384
53910	Pulp	0.1	1.94	<5	118	<2	1.17	0.2	19	104	60	3.26	<3	0.95	2	1.69	484
53911	Pulp	<0.1	0.79	<5	75	<2	0.58	0.2	5	52	7	1.33	<3	0.33	6	0.38	472
53912	Pulp	<0.1	1.04	<5	59	<2	1.72	0.2	8	55	5	1.52	<3	0.25	6	0.64	503
53916	Pulp	<0.1	2.37	<5	183	<2	2.35	0.3	21	98	49	3.83	<3	1.62	9	1.63	862
53917	Pulp	<0.1	2.30	<5	62	<2	1.55	0.4	17	74	133	3.19	<3	0.19	7	1.84	957
53922	Pulp	<0.1	1.40	<5	38	<2	2.13	<0.1	10	57	42	1.51	<3	0.17	4	0.87	331
53923	Pulp	0.1	2.39	<5	42	<2	6.34	0.3	21	25	321	2.80	<3	0.18	<2	2.77	1009
53924	Pulp	<0.1	1.73	<5	32	<2	3.37	0.3	21	112	78	2.52	<3	C.17	<2	1.81	588
53925	Pulp	<0.1	1.61	5	36	<2	1.24	0.4	21	76	107	2.08	<3	0.16	3	1.27	350

Sample Name	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	V ppm	W ppm	Zn ppm	Zr ppm
52576	5	0.02	45	0.03	5	<5	9	296	<10	<0.01	25	<5	61	<1
53901	5	<0.01	47	0.20	<2	<5	5	55	<10	0.12	55	<5	89	5
53902	9	0.17	15	0.10	<2	<5	8	81	<10	0.17	153	<5	36	2
53903	5	0.05	31	0.02	<2	6	5	26	<10	0.09	64	<5	39	1
53904	3	0.02	41	0.07	<2	6	6	74	<10	0.18	70	<5	31	2
53905	3	0.02	17	0.01	<2	<5	6	42	<10	0.24	179	<5	47	1
53906	10	<0.01	53	0.03	34	<5	6	81	<10	0.01	42	71	26	<1
53907	18	<0.01	12	0.06	<2	7	5	68	<10	0.22	89	<5	16	3
53908	18	<0.01	24	<0.01	113	9	1	39	<10	<0.01	<5	<5	8	<1
53909	16	<0.01	11	0.01	5810	6	1	9	<10	<0.01	5	14	266	<1
53910	3	0.07	30	0.08	2	<5	4	99	<10	0.14	99	<5	40	<1
53911	2	0.07	6	0.05	4	<5	1	74	<10	0.04	21	<5	33	1
53912	2	0.08	5	0.07	2	<5	1	121	<10	0.04	27	<5	30	1
53916	3	0.05	26	0.13	<2	<5	4	170	<10	0.14	75	<5	59	1
53917	3	0.06	18	0.09	<2	<5	4	90	<10	0.12	67	<5	70	3
53922	1	0.08	8	0.10	6	<5	1	150	<10	0.04	29	<5	25	<1
53923	2	0.02	23	0.08	2	<5	14	88	<10	0.03	103	<5	40	<1
53924	3	0.10	36	0.08	<2	<5	5	51	<10	0.13	70	<5	34	2
53925	2	0.07	17	0.11	<2	<5	3	56	<10	0.11	50	<5	30	2

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APPENDIX V

ROCK SAMPLE STATISTICAL SUMMARY

AND

HISTOGRAMS

P L A C E R   D O M E   I N C .

Placer Data Analysis System - STATS

run on 90:11:23 at 21:40:01

MCCONNELL CK. 1990 ROCK SAMPLE STATISTICAL ANALYSIS

Summary of data from file : rock90.all

This data file contains an internal header: (5 records)
Data grouped into 9 fields
with format: (3A8, 3F10.2, 3F10.2)

Character ID fields:
DH ROCK SAMP

Coordinate fields:
FROM TO LEN

Other data fields:
AU1 CU PB

Missing data indicated by NULL value -1.00000

BASIC STATISTICS OF SELECTED DATA FIELDS:

NAME	NDATA	NULLS	MINIMUM	MAXIMUM	MEAN	STD. DEV.	GEOM. MEAN	DISPERSION	
AU1	716	246	2.50000	5250.00	34.2242	212.824	6.16973	1.53450	24.8065
CU	718	244	1.00000	2219.00	63.2674	92.4010	42.2390	15.2754	116.798
PB	718	244	1.00000	1044.00	4.66713	43.0500	1.51781	.690519	3.33624

```
HISTO:  GEOLOG DATA: MCCONNELL CREEK   RUN ON 90:11:23  AT  21:40:01


File: rock90.all    Field name: AU1     LOG = 1  REPVAL =     .00100
                                         ----
 716 SAMPLES WITH AU1   MINIMUM:   2.50000        MAXIMUM:  5250.00

 683 VALUES PLOTTED:    33 NOT IN RANGE   2.50000     to  200.000

    GEOMETRIC MEAN:      5.08555  DISPERSION:  1.70147     15.2002

  SCALE OF HISTOGRAM IS  10.00 COUNTS /PRINT POSITION    # = 5,50,95%

  N   MIDPOINT  PERCENT 0        100       200       300       400
                        I---------I---------I---------I---------I
365   2.5000   # 53.44 I*************************************    I
  0   2.7894      .00 I                                          I
 89   3.1124    13.03 I*********                                 I
  0   3.4727      .00 I                                          I
  0   3.8748      .00 I                                          I
  0   4.3234      .00 I                                          I
 32   4.8240     4.69 I***                                       I
  0   5.3825      .00 I                                          I
  0   6.0056      .00 I                                          I
  0   6.7009      .00 I                                          I
  0   7.4767      .00 I                                          I
  0   8.3424      .00 I                                          I
  0   9.3082      .00 I                                          I
 54   10.386     7.91 I*****                                     I
  0   11.588      .00 I                                          I
  0   12.930      .00 I                                          I
 37   14.427     5.42 I****                                      I
  0   16.097      .00 I                                          I
  0   17.961      .00 I                                          I
 17   20.040     2.49 I**                                        I
  0   22.361      .00 I                                          I
 10   24.950     1.46 I*                                         I
  0   27.838      .00 I                                          I
 15   31.061     2.20 I**                                        I
  5   34.657      .73 I*                                         I
 12   38.670     1.76 I*                                         I
  4   43.147      .59 I                                          I
  6   48.142      .88 I*                                         I
  3   53.716   #  .44 I                                          I
  0   59.935      .00 I                                          I
  8   66.874     1.17 I*                                         I
  0   74.617      .00 I                                          I
  7   83.255     1.02 I*                                         I
  2   92.894      .29 I                                          I
  5   103.65      .73 I*                                         I
  3   115.65      .44 I                                          I
  4   129.04      .59 I                                          I
  1   143.98      .15 I                                          I
  3   160.65      .44 I                                          I
  0   179.25      .00 I                                          I
  1   200.00      .15 I                                          I
-----                   I---------I---------I---------I---------I
683                     0        100       200       300       400
```

```
HISTO: GEOLOG DATA: MCCONNELL CREEK  RUN ON 90:11:23  AT  21:40:01


File: rock90.all   Field name: CU      LOG = 1  REPVAL =    .00100
                                         ----
 718 SAMPLES WITH CU    MINIMUM:   1.00000       MAXIMUM:  2219.00

 715 VALUES PLOTTED:     3 NOT IN RANGE   1.00000     to  300.000

    GEOMETRIC MEAN:  41.7459      DISPERSION:  15.3349     113.644

  SCALE OF HISTOGRAM IS   2.00 COUNTS /PRINT POSITION    # = 5,50,95%

  N   MIDPOINT  PERCENT 0        20        40        60        80
                        I---------I---------I---------I---------I
  2   1.0000       .28 I*                                        I
  0   1.1533       .00 I                                         I
  0   1.3300       .00 I                                         I
  0   1.5339       .00 I                                         I
  0   1.7689       .00 I                                         I
  7   2.0400       .98 I****                                     I
  0   2.3527       .00 I                                         I
  0   2.7133       .00 I                                         I
 10   3.1291      1.40 I*****                                    I
  0   3.6087       .00 I                                         I
 11   4.1618      1.54 I******                                   I
 15   4.7996    #  2.10 I********                                I
  0   5.5352       .00 I                                         I
 10   6.3836      1.40 I*****                                    I
 15   7.3619      2.10 I********                                 I
 17   8.4903      2.38 I*********                                I
  6   9.7915       .84 I***                                      I
  9   11.292      1.26 I*****                                    I
  3   13.023       .42 I**                                       I
 12   15.019      1.68 I******                                   I
 10   17.321      1.40 I*****                                    I
 14   19.975      1.96 I*******                                  I
 18   23.037      2.52 I*********                                I
 18   26.567      2.52 I*********                                I
 21   30.639      2.94 I***********                              I
 33   35.335      4.62 I*****************                        I
 33   40.750      4.62 I*****************                        I
 61   46.996      8.53 I*******************************          I
 64   54.198    #  8.95 I********************************        I
 62   62.505      8.67 I*******************************          I
 70   72.084      9.79 I***********************************      I
 48   83.132      6.71 I************************                 I
 53   95.873      7.41 I***************************              I
 39   110.57      5.45 I********************                     I
 23   127.51    #  3.22 I************                            I
  9   147.06      1.26 I*****                                    I
 15   169.59      2.10 I********                                 I
  2   195.59       .28 I*                                        I
  3   225.56       .42 I**                                       I
  0   260.13       .00 I                                         I
  2   300.00       .28 I*                                        I
-----                   I---------I---------I---------I---------I
 715                    0        20        40        60        80
```

```
HISTO: GEOLOG DATA:   MCCONNELL CREEK  RUN ON 90:11:23  AT  21:40:01


File: rock90.all   Field name: PB      LOG = 1  REPVAL =     .00100
                                             ----
 718 SAMPLES WITH PB    MINIMUM:   1.00000  MAXIMUM:  1044.00

 704 VALUES PLOTTED:    14 NOT IN RANGE   1.00000     to  15.0000

    GEOMETRIC MEAN:    1.41291   DISPERSION:  .789537     2.52845

  SCALE OF HISTOGRAM IS  20.00 COUNTS /PRINT POSITION    # = 5,50,95%

  N    MIDPOINT  PERCENT 0       200       400       600       800
                         I---------I---------I---------I---------I
479    1.0000   # 68.04 I************************                I
  0    1.0700      .00 I                                         I
  0    1.1450      .00 I                                         I
  0    1.2252      .00 I                                         I
  0    1.3110      .00 I                                         I
  0    1.4029      .00 I                                         I
  0    1.5011      .00 I                                         I
  0    1.6063      .00 I                                         I
  0    1.7188      .00 I                                         I
  0    1.8392      .00 I                                         I
119    1.9680    16.90 I******                                   I
  0    2.1058      .00 I                                         I
  0    2.2533      .00 I                                         I
  0    2.4112      .00 I                                         I
  0    2.5801      .00 I                                         I
  0    2.7608      .00 I                                         I
 40    2.9542     5.68 I**                                       I
  0    3.1611      .00 I                                         I
  0    3.3825      .00 I                                         I
  0    3.6195      .00 I                                         I
 24    3.8730     3.41 I*                                        I
  0    4.1443      .00 I                                         I
  0    4.4346      .00 I                                         I
  0    4.7452      .00 I                                         I
 11    5.0776   #  1.56 I*                                       I
  0    5.4332      .00 I                                         I
  7    5.8138      .99 I                                         I
  0    6.2210      .00 I                                         I
  0    6.6568      .00 I                                         I
  6    7.1230      .85 I                                         I
  0    7.6220      .00 I                                         I
  2    8.1559      .28 I                                         I
  3    8.7272      .43 I                                         I
  0    9.3385      .00 I                                         I
  4    9.9926      .57 I                                         I
  7    10.693      .99 I                                         I
  0    11.441      .00 I                                         I
  2    12.243      .28 I                                         I
  0    13.100      .00 I                                         I
  0    14.018      .00 I                                         I
  0    15.000      .00 I                                         I
-----                    I---------I---------I---------I---------I
704                      0       200       400       600       800
```

CORMAT: RUN ON 90:11:23 AT 21:40:01

Data from file: rock90.all

GEOLOG DATA: MCCONNELL CREEK

Correlation matrix for 962 records with 3 variables

	AU1	CU	PB
LOG:	1	1	1
AU1	1.000	-.191	.327
CU	-.191	1.000	-.336
PB	.327	-.336	1.000

Number of data pairs contributing to correlation

	AU1	CU	PB
AU1	716	716	716
CU	716	718	718
PB	716	718	718

APPENDIX VI

LISTING OF SOIL SAMPLE DATA

MCCONNELL CREEK PROJECT 1990

SOIL SAMPLE DATA

1990 SOIL SAMPLE GRID

Lab Project	Grid Line	Grid Station	Ag ppm	As ppm	Au ppb	Cu ppm	Pb ppm	Zn ppm
0512	7500N	10040E	0.1	1	260	22	10	82
0512	7500N	10060E	0.1	1	2.5	28	6	61
0512	7500N	10080E	0.1	1	2.5	12	2	33
0512	7500N	10100E	0.1	1	2.5	6	2	30
0512	7500N	10120E	0.1	1	2.5	17	6	42
0512	7500N	10160E	0.1	1	2.5	19	2	39
0512	7500N	10200E	0.1	1	10	11	6	70
0512	7500N	10220E	0.1	1	2.5	60	6	100
0512	7500N	10240E	0.1	1	2.5	6	2	36
0512	7500N	10260E	0.1	1	2.5	1	4	33
0512	7600N	10000E	0.1	1	2.5	41	2	81
0512	7600N	10020E	0.1	4	2.5	10	2	50
0512	7600N	10060E	0.1	1	2.5	27	4	43
0512	7600N	10080E	0.1	1	2.5	12	2	33
0512	7600N	10100E	0.1	3	2.5	15	2	43
0512	7600N	10120E	0.1	1	2.5	15	6	32
0512	7600N	10140E	0.1	1	2.5	21	6	70
0512	7600N	10160E	0.4	1	2.5	68	2	83
0512	7600N	10180E	0.1	1	2.5	25	2	48
0512	7600N	10200E	0.1	1	2.5	20	4	61
0512	7600N	10220E	0.1	1	2.5	16	2	50
0512	7600N	10240E	0.1	1	10	19	2	41
0512	7600N	10260E	0.1	1	10	9	2	27
0512	7700N	9940E	0.1	1	2.5	4	4	163
0512	7700N	9960E	0.1	1	2.5	11	4	100
0512	7700N	9980E	0.1	1	2.5	11	2	89
0512	7700N	10000E	0.1	1	2.5	1	2	78
0512	7700N	10040E	0.1	1	2.5	32	4	92
0512	7700N	10060E	0.1	1	2.5	14	4	40
0512	7700N	10080E	0.1	2	200	15	8	48
0512	7700N	10100E	0.1	1	2.5	11	6	42
0512	7700N	10120E	0.1	1	2.5	18	4	64
0512	7700N	10140E	0.1	1	2.5	20	4	36
0512	7700N	10160E	0.1	1	2.5	13	6	47
0512	7700N	10180E	0.1	1	2.5	20	6	66
0512	7700N	10200E	0.1	1	2.5	20	6	48
0512	7700N	10220E	0.1	1	2.5	9	2	38
0512	7700N	10240E	0.1	1	2.5	16	8	61
0512	7700N	10260E	0.1	1	2.5	19	4	73
0512	7800N	9940E	0.1	1	2.5	19	6	43
0512	7800N	9960E	0.1	2	2.5	15	4	57
0512	7800N	9980E	0.1	1	10	12	4	42
0512	7800N	10020E	0.1	1	10	16	4	47
0512	7800N	10040E	0.1	2	2.5	14	2	34

Lab Project	Grid Line	Grid Station	Ag ppm	As ppm	Au ppb	Cu ppm	Pb ppm	Zn ppm
0512	7800N	10060E	0.1	2	2.5	18	4	40
0512	7800N	10080E	0.1	1	5	17	4	40
0512	7800N	10100E	0.1	1	2.5	26	6	48
0512	7800N	10120E	0.1	1	2.5	16	4	79
0512	7800N	10140E	0.1	1	2.5	30	6	55
0512	7800N	10160E	0.1	1	2.5	15	6	43
0512	7800N	10180E	0.1	1	2.5	25	6	43
0512	7800N	10200E	0.1	1	2.5	12	2	27
0512	7800N	10220E	0.1	1	2.5	13	4	36
0512	7800N	10240E	0.1	1	2.5	6	4	30
0512	7800N	10260E	0.1	1	2.5	14	2	37
0512	7800N	10280E	0.1	1	2.5	8	8	70
0512	7900N	9900E	0.1	1	2.5	19	2	74
0512	7900N	9920E	0.1	1	20	11	6	43
0512	7900N	9940E	0.1	1	5	23	6	60
0512	7900N	9960E	0.1	2	110	31	4	65
0512	7900N	9980E	0.1	2	2.5	17	6	32
0512	7900N	10020E	0.1	1	2.5	28	6	55
0512	7900N	10040E	0.1	1	2.5	11	4	40
0512	7900N	10060E	0.1	1	680	16	4	48
0512	7900N	10080E	0.1	1	2.5	28	8	60
0512	7900N	10120E	0.1	1	2.5	13	4	45
0512	7900N	10140E	0.1	1	2.5	14	4	41
0512	7900N	10160E	0.1	2	2.5	22	4	79
0512	7900N	10180E	0.1	1	2.5	33	8	96
0512	7900N	10220E	0.1	1	2.5	1	4	29
0512	7900N	10240E	0.1	1	2.5	26	6	71
0512	7900N	10260E	0.2	3	65	45	10	114
0512	7900N	10280E	0.1	1	2.5	18	8	87
0512	7900N	10300E	0.1	1	2.5	9	8	51
0512	8000N	9900E	0.6	17	2.5	105	6	70
0512	8000N	9920E	0.6	6	2.5	57	8	79
0512	8000N	9940E	0.4	1	2.5	32	6	73
0512	8000N	9960E	1.0	1	2.5	80	12	140
0512	8000N	9980E	0.1	1	2.5	110	14	147
0512	8000N	10000E	0.1	1	2.5	28	8	42
0512	8000N	10020E	0.1	3	2.5	14	6	38
0512	8000N	10040E	0.2	1	2.5	5	2	42
0512	8000N	10060E	0.1	1	15	15	4	67
0512	8000N	10100E	0.1	1	10	12	2	50
0512	8000N	10120E	0.2	1	2.5	21	8	65
0512	8000N	10140E	0.1	1	2.5	26	4	86
0512	8000N	10160E	0.1	1	2.5	12	6	47
0512	8000N	10180E	0.1	1	2.5	62	8	134
0512	8000N	10200E	0.4	1	2.5	35	4	82
0512	8000N	10220E	0.1	1	85	18	2	80
0512	8000N	10240E	0.8	1	2.5	65	8	90
0512	8000N	10280E	0.4	3	35	32	10	116
0512	8000N	10300E	0.6	1	2.5	66	8	130
0512	8100N	9900E	0.4	2	15	24	6	68

Lab Project	Grid Line	Grid Station	Ag ppm	As ppm	Au ppb	Cu ppm	Pb ppm	Zn ppm
0512	8100N	9920E	0.4	1	2.5	65	6	67
0512	8100N	9940E	0.4	1	2.5	19	6	50
0512	8100N	9960E	0.1	1	2.5	4	6	37
0512	8100N	9980E	0.1	1	2.5	6	8	50
0512	8100N	10000E	0.2	1	2.5	29	6	81
0512	8100N	10020E	0.1	1	2.5	5	6	66
0512	8100N	10040E	0.6	1	35	7	8	61
0512	8100N	10060E	0.4	1	5	9	8	68
0512	8100N	10080E	0.4	2	20	2	6	45
0512	8100N	10100E	0.4	1	10	19	6	70
0512	8100N	10120E	0.2	3	20	6	8	63
0512	8100N	10140E	0.4	1	30	2	10	49
0512	8100N	10160E	0.2	1	15	25	8	57
0512	8100N	10180E	0.1	1	15	5	4	48
0512	8100N	10200E	0.1	1	2.5	6	5	34
0512	8100N	10220E	0.1	1	2.5	5	4	30
0512	8100N	10240E	0.1	1	5	14	5	41
0512	8100N	10260E	0.1	1	2.5	13	5	62
0512	8100N	10280E	0.1	1	20	10	4	33
0512	8100N	10300E	0.1	1	5	12	5	35

TRENCH OVERBURDEN SAMPLE PROFILES AND BASAL TILL SAMPLE SURVEY

Lab Project	Trench	Position	Ag ppm	As ppm	Au ppb	Cu ppm	Pb ppm	Zn ppm
0512	TR90-1	0.0MA	0.1	1	40	62	3	33
0512	TR90-1	0.0MB	0.1	1	15	116	4	37
0512	TR90-1	10.0MA	0.1	1	30	181	3	34
0512	TR90-1	10.0MB	0.1	1	25	116	3	43
0512	TR90-1	16.0MA	0.1	1	25	114	3	37
0512	TR90-1	16.0MB	0.1	2	40	75	5	52
0512	TR90-3	0.0MA	0.1	2	5	16	4	31
0512	TR90-3	0.0MB	0.1	1	2.5	24	3	32
0512	TR90-3	0.0MC	0.1	1	220	34	5	41
0512	TR90-3	10.0MA	0.1	1	10	25	6	54
0512	TR90-3	10.0MB	0.1	1	15	28	4	33
0512	TR90-3	10.0MC	0.1	1	10	32	5	45
0512	TR90-3	21.0MA	0.1	1	2.5	25	4	54
0512	TR90-3	21.0MB	0.1	1	15	29	3	30
0512	TR90-3	21.0MC	0.1	1	20	32	5	44
0512	TR90-4	0.0MA	0.1	1	20	49	6	44
0512	TR90-4	0.0MB	0.1	1	30	78	4	56
0512	TR90-4	10.0MA	0.1	1	25	24	6	60
0512	TR90-4	10.0MB	0.1	1	15	28	5	50
0512	TR90-4	20.0MA	0.1	1	35	22	9	50
0512	TR90-4	20.0MB	0.1	1	40	44	5	44
0512	TR90-4	28.0MA	0.1	2	35	13	5	37
0530	TR90-5	0.0MA	0.1	2	20	30	5	45
0530	TR90-5	0.0MB	0.1	5	2.5	42	4	41
0530	TR90-5	0.0MC	0.1	2	2.5	42	9	37
0530	TR90-5	10.0MA	0.1	6	2.5	28	8	41
0530	TR90-5	10.0MB	0.1	3	2.5	47	4	36
0530	TR90-5	10.0MC	0.1	8	2.5	31	4	33
0530	TR90-5	20.0MA	0.1	1	310	27	7	51
0530	TR90-5	20.0MB	0.1	2	2.5	29	7	43
0530	TR90-5	20.0MC	0.1	3	80	25	7	49
0530	TR90-6	0.0MA	0.1	7	25	40	6	33
0530	TR90-6	0.0MB	0.1	3	2.5	30	6	39
0530	TR90-6	0.0MC	0.1	3	2.5	33	8	50
0530	TR90-6	8.0MA	0.1	1	2.5	26	4	37
0530	TR90-6	8.0MB	0.1	5	2.5	35	6	36
0530	TR90-6	8.0MC	0.1	3	2.5	36	6	43
0530	TR90-6	16.0MA	0.1	6	2.5	65	7	40
0530	TR90-6	16.0MB	0.1	8	2.5	58	5	37
0530	TR90-7	16.0A	0.1	4	2.5	47	5	37
0530	TR90-7	16.0B	0.1	1	2.5	46	4	33
0530	TR90-8	0.0MA	0.1	2	2.5	36	5	50
0530	TR90-8	0.0MB	0.1	4	2.5	132	6	100
0530	TR90-8	0.0MC	0.1	5	35	216	4	74
0530	TR90-8	10.0MA	0.1	2	2.5	60	6	46

Lab Project	Trench	Position	Ag ppm	As ppm	Au ppb	Cu ppm	Pb ppm	Zn ppm
0530	TR90-8	10.0MB	0.1	10	30	334	6	50
0530	TR90-8	10.0MC	0.1	4	70	300	4	47
0530	TR90-8	20.0MA	0.1	1	65	38	4	54
0530	TR90-8	20.0MB	0.1	7	15	63	5	42
0530	TR90-8	20.0MC	0.1	1	15	131	5	74
0530	TR90-9	0.0MA	0.1	7	2.5	14	4	41
0530	TR90-9	0.0MB	0.1	4	2.5	44	5	32
0530	TR90-9	0.0MC	0.1	1	2.5	55	6	41
0530	TR90-9	10.0MA	0.1	1	2.5	13	6	29
0530	TR90-9	10.0MB	0.1	3	2.5	26	5	22
0530	TR90-9	10.0MC	0.1	8	2.5	53	5	43
0530	TR90-9	20.0MA	0.1	4	2.5	16	4	30
0530	TR90-9	20.0MB	0.1	3	2.5	33	6	27
0530	TR90-9	20.0MC	0.2	1	2.5	63	7	42
0530	TR90-10	0.0MA	0.2	1	2.5	32	4	31
0530	TR90-10	0.0MB	0.1	1	2.5	31	5	25
0530	TR90-10	10.0MA	0.2	1	2.5	22	7	37
0530	TR90-10	10.0MB	0.3	1	2.5	37	5	31
0530	TR90-10	10.0MC	0.1	1	175	38	4	64
0530	TR90-10	18.0MA	0.1	1	2.5	28	4	38
0530	TR90-11	0.0MA	0.1	1	2.5	40	5	44
0530	TR90-11	6.0MA	0.1	1	2.5	24	5	42
0530	TR90-11	6.0MB	0.1	3	2.5	34	4	36
0530	TR90-11	6.0MC	0.1	1	2.5	91	4	82
0530	TR90-11	11.0MA	0.1	1	2.5	16	5	50
0530	TR90-11	11.0MB	0.1	1	2.5	26	6	36
0530	TR90-11	11.0MC	0.1	6	2.5	41	4	42
0530	TR90-12	0.0A	0.1	2	2.5	115	13	60
0530	TR90-12	20.0A	0.1	3	2.5	32	6	53
0530	TR90-12	28.0A	0.1	1	2.5	29	6	46
0561	TR90-13	0.0MA	0.1	5	5	11	3	36
0561	TR90-13	0.0MB	0.1	1	2.5	29	4	48
0561	TR90-13	0.0MC	0.1	8	2.5	82	6	48
0561	TR90-13	10.0MA	0.1	1	2.5	14	5	40
0561	TR90-13	10.0MB	0.1	7	2.5	144	4	57
0561	TR90-13	10.0MC	0.1	3	2.5	130	3	43
0561	TR90-13	17.0MA	0.2	5	2.5	30	6	30
0561	TR90-13	17.0MB	0.1	1	2.5	36	5	35
0561	TR90-13	17.0MC	0.1	9	10	157	4	50
0561	TR90-14	0.0MA	0.1	1	55	37	4	40
0561	TR90-14	0.0MB	0.1	4	10	48	5	41
0561	TR90-14	0.0MC	0.1	6	35	63	5	60
0561	TR90-14	10.0MA	0.1	7	25	37	9	36
0561	TR90-14	10.0MB	0.1	4	2.5	36	6	30
0561	TR90-14	10.0MC	0.1	3	2.5	41	4	36
0561	TR90-14	17.0MA	0.1	5	2.5	30	4	33
0561	TR90-14	17.0MB	0.1	7	2.5	49	5	51
0561	TR90-14	17.0MC	0.1	2	2.5	79	5	57
0561	TR90-15	0.0MA	0.1	4	2.5	72	4	54
0561	TR90-15	0.0MB	0.1	7	2.5	33	4	35

Lab Project	Trench	Position	Ag ppm	As ppm	Au ppb	Cu ppm	Pb ppm	Zn ppm
0561	TR90-15	10.0MA	0.2	7	2.5	195	5	44
0561	TR90-15	10.0MB	8.0	5	2.5	191	150	55
0561	TR90-15	10.0MC	0.1	8	2.5	81	6	37
0561	TR90-15	16.0MA	0.1	4	5	36	5	40
0561	TR90-15	16.0MB	0.1	2	10	157	2	125
0561	TR90-15	16.0MC	0.1	5	15	198	2	65
0561	TR90-16	0.0MA	0.1	2	2.5	23	2	34
0561	TR90-16	0.0MB	0.1	5	5	28	4	34
0561	TR90-16	8.0MA	0.1	4	2.5	33	5	39
0561	TR90-16	8.0MB	0.1	1	2.5	32	5	76
0561	TR90-16	8.0MC	0.1	3	5	77	5	81
0561	TR90-16	13.0MA	0.1	4	80	70	8	40
0561	TR90-16	13.0MB	0.1	1	2.5	38	4	80
0561	TR90-16	13.0MC	0.1	1	15	380	5	135
0561	TR90-17	25.0MA	0.1	4	2.5	20	8	107
0561	TR90-17	25.0MB	0.1	1	20	23	6	50
0561	TR90-17	35.0MA	0.1	1	30	20	13	57
0561	TR90-17	35.0MB	0.1	2	20	20	12	34
0561	TR90-17	45.0MA	0.2	2	2.5	44	75	82
0561	TR90-17	45.0MB	0.3	1	65	19	177	51
0561	TR90-17	55.0MA	0.2	7	20	23	21	75
0561	TR90-17	55.0MB	0.2	4	450	22	48	83
0561	TR90-17	63.0MA	0.2	1	5	14	12	50
0561	TR90-17	63.0MB	0.1	3	2.5	13	10	44
0561	TR90-18	0.0MA	0.2	4	10	27	8	41
0561	TR90-18	10.0MA	0.3	1	2.5	19	13	91
0561	TR90-18	10.0MB	0.2	5	85	45	13	60
0561	TR90-18	20.0MA	0.3	8	80	21	13	39
0561	TR90-18	35.0MA	0.2	5	10	13	8	37
0561	TR90-18	35.0MB	0.4	1	2.5	52	16	97
0561	TR90-19	0.0MA	0.4	1	2.5	157	10	62
0561	TR90-19	0.0MB	0.4	1	2.5	101	8	50
0561	TR90-19	0.0MC	0.3	7	2.5	38	5	35
0561	TR90-19	10.0MA	0.2	4	2.5	33	5	48
0561	TR90-19	10.0MB	0.1	1	2.5	67	4	57
0561	TR90-19	10.0MC	0.2	1	2.5	50	6	57
0561	TR90-19	20.0MA	0.2	5	30	27	6	46
0561	TR90-19	30.0MA	0.2	2	2.5	21	7	45
0561	TR90-19	30.0MB	0.1	11	2.5	29	6	32
0561	TR90-19	30.0MC	0.2	3	10	33	5	31
0561	TR90-20	0.0MA	0.2	7	2.5	35	9	47
0561	TR90-20	0.0MB	0.1	6	2.5	37	7	40
0561	TR90-20	0.0MC	0.1	6	2.5	37	6	60
0561	TR90-20	10.0MA	0.2	4	2.5	41	7	49
0561	TR90-20	10.0MB	0.2	1	2.5	57	6	40
0561	TR90-20	20.0MA	0.3	1	2.5	18	4	52
0561	TR90-21	0.0MA	0.4	6	75	13	8	53
0561	TR90-21	10.0MA	0.2	5	2.5	23	4	40
0561	TR90-21	10.0MB	0.2	2	2.5	99	6	44
0561	TR90-21	10.0MC	0.2	6	2.5	68	5	48

Lab Project	Trench	Position	Ag ppm	As ppm	Au ppb	Cu ppm	Pb ppm	Zn ppm
0561	TR90-21	23.0MA	0.2	4	2.5	18	3	84
0561	TR90-21	23.0MB	0.2	1	2.5	55	9	97
0561	TR90-21	40.0MA	0.1	1	2.5	15	9	42
0561	TR90-21	40.0MB	0.1	8	2.5	51	8	64
0561	TR90-21	40.0MC	0.1	4	2.5	35	6	39
0561	TR90-21	50.0MA	0.1	1	10	19	6	37
0561	TR90-21	50.0MB	0.1	3	15	22	4	30
0561	TR90-21	65.0MA	0.1	7	2.5	24	5	36
0561	TR90-21	65.0MB	0.1	6	10	53	9	55
0561	TR90-21	85.0MA	0.1	7	5	32	7	60
0561	TR90-21	85.0MB	0.1	1	35	43	7	55
0561	TR90-21	95.0MA	0.1	7	2.5	39	8	57
0561	TR90-21	95.0MB	0.1	1	2.5	48	7	62
0561	TR90-22	0.0MA	0.1	5	15	40	6	40
0561	TR90-22	0.0MB	0.1	2	2.5	51	6	42
0561	TR90-22	10.0MA	0.1	4	10	35	7	35
0561	TR90-22	10.0MB	0.1	8	15	87	8	92
0561	TR90-22	20.0MA	0.1	6	2.5	25	7	55
0561	TR90-22	20.0MB	0.1	3	10	17	8	39
0561	TR90-22	20.0MC	0.2	4	35	48	9	67
0561	TR90-22	30.0MA	0.1	3	2.5	25	9	44
0561	TR90-23	10.0MA	0.2	5	10	98	5	53
0561	TR90-23	10.0MB	0.2	5	215	69	9	41
0561	TR90-23	20.0MA	0.1	6	40	35	7	31
0561	TR90-23	20.0MB	0.2	3	2.5	92	7	32
0561	TR90-23	20.0MC	0.1	6	2.5	61	8	30
0561	TR90-23	30.0MA	0.1	4	15	223	7	59
0561	TR90-23	30.0MB	0.1	2	2.5	28	4	34
0561	TR90-23	30.0MC	0.1	5	5	64	7	30
0561	TR90-23	40.0MA	0.1	3	5	53	7	29
0561	TR90-23	40.0MB	0.1	6	2.5	62	4	31
0561	TR90-23	40.0MC	0.1	6	2.5	44	6	29
0561	TR90-23	50.0MA	0.1	9	10	25	8	37
0561	TR90-23	50.0MB	0.1	7	2.5	124	8	56
0561	TR90-23	50.0MC	0.1	5	120	98	7	53
0561	TR90-23	60.0MA	0.1	3	70	23	4	30
0561	TR90-23	60.0MB	0.1	7	2.5	27	6	32
0561	TR90-23	60.0MC	0.1	5	2.5	75	6	52
0561	TR90-23	70.0MA	0.2	6	2.5	27	5	42
0561	TR90-23	70.0MB	0.1	5	2.5	51	6	42
0561	TR90-24	0.0MA	0.1	7	75	16	5	32
0561	TR90-24	0.0MB	0.2	3	2.5	22	6	26
0561	TR90-24	12.0MA	0.2	5	2.5	17	7	32
0561	TR90-24	12.0MB	0.2	7	2.5	25	3	44
0561	TR90-24	12.0MC	0.1	1	2.5	28	7	42
0561	TR90-25	0.0MA	0.1	5	2.5	22	4	33
0561	TR90-25	0.0MB	0.1	4	2.5	34	7	33
0561	TR90-25	0.0MC	0.2	4	2.5	68	5	42
0561	TR90-25	10.0MA	0.1	3	2530	73	5	42
0561	TR90-25	10.0MB	0.2	4	5	56	4	28

Lab Project	Trench	Position	Ag ppm	As ppm	Au ppb	Cu ppm	Pb ppm	Zn ppm
0561	TR90-25	10.0MC	0.1	3	2.5	78	3	40
0561	TR90-25	20.0MA	0.2	6	2.5	100	4	48
0561	TR90-25	20.0MB	0.2	5	10	27	4	43
0561	TR90-26	0.0MA	0.1	9	45	80	3	30
0561	TR90-26	0.0MB	0.1	2	20	54	4	37
0561	TR90-26	0.0MC	0.1	3	20	65	4	38
0561	TR90-26	10.0MA	0.1	4	20	11	5	49
0561	TR90-26	10.0MB	0.1	1	15	20	3	56
0561	TR90-26	10.0MC	0.1	3	2.5	27	3	25
0561	TR90-26	20.0MA	0.1	1	10	51	4	48
0561	TR90-26	20.0MB	0.2	2	20	77	4	51
0561	TR90-26	30.0MA	0.2	11	2.5	209	5	67
0561	TR90-26	30.0MB	0.1	1	10	157	2	47
0561	TR90-26	30.0MC	0.1	1	90	117	4	85
0561	TR90-26	40.0MA	0.3	1	2.5	188	7	51
0561	TR90-26	40.0MB	0.2	1	30	170	4	47
0561	TR90-26	40.0MC	0.2	6	5	155	10	58
0561	TR90-26	50.0MA	0.2	6	5	53	3	31
0561	TR90-26	50.0MB	0.1	1	2.5	124	8	48
0561	TR90-27	5.0MA	0.1	7	2.5	32	6	45
0561	TR90-27	5.0MB	0.1	7	2.5	37	3	41
0561	TR90-27	5.0MC	0.2	4	2.5	52	6	93
0561	TR90-28	0.0MA	0.3	4	30	49	6	67
0561	TR90-28	0.0MB	0.4	2	90	133	12	103
0561	TR90-28	0.0MC	0.3	4	2.5	109	6	89
0561	TR90-28	10.0MA	0.3	2	2.5	58	4	101
0561	TR90-28	10.0MB	0.2	8	35	73	5	54
0561	TR90-28	10.0MC	0.2	1	15	65	4	54
0561	TR90-28	20.0MA	0.3	1	10	44	3	65
0561	TR90-28	20.0MB	0.2	1	100	74	4	78
0561	TR90-28	30.0MA	0.3	1	2.5	39	3	66
0561	TR90-28	30.0MB	0.2	3	30	53	6	72
0561	TR90-28	30.0MC	0.2	1	40	81	4	73
0561	TR90-28	40.0MA	0.5	1	2.5	34	4	139
0561	TR90-28	40.0MB	0.2	5	2.5	20	4	40
0561	TR90-28	40.0MC	0.3	1	20	51	5	146
0561	TR90-30	10.0MA	0.3	4	10	22	1	43
0561	TR90-30	10.0MB	0.3	8	5	31	3	50
0561	TR90-30	10.0MC	0.2	1	2.5	35	4	51
0561	TR90-30	20.0MA	0.2	6	2.5	21	3	44
0561	TR90-30	20.0MB	0.3	3	2.5	31	4	46
0561	TR90-30	20.0MC	0.2	3	2.5	30	3	37
0561	TR90-30	30.0MA	0.2	5	2.5	21	4	33
0561	TR90-30	30.0MB	0.2	5	10	25	5	34
0561	TR90-30	30.0MC	0.2	1	15	71	7	40
0561	TR90-30	40.0MA	0.2	1	20	25	5	37
0561	TR90-30	40.0MB	0.4	1	25	25	6	31
0561	TR90-30	40.0MC	0.3	1	75	59	4	52
0561	TR90-30	50.0MA	0.3	3	2.5	27	5	38
0561	TR90-30	50.0MB	0.2	1	2.5	28	4	39

Lab Project	Trench	Position	Ag ppm	As ppm	Au ppb	Cu ppm	Pb ppm	Zn ppm
0561	TR90-30	50.0MC	0.3	9	2.5	31	5	35

TEST PIT OVERBURDEN SAMPLE PROFILES

Lab Project	Grid Line	Grid Stat. & Depth	Ag ppm	As ppm	Au ppb	Cu ppm	Pb ppm	Zn ppm
0548	7050N	10035EA	0.1	1	90	26	7	58
0548	7050N	10035EB	0.1	4	2.5	8	3	32
0548	7050N	10035EC	0.1	3	2.5	5	3	27
0548	7200N	10075EA	0.1	3	2.5	11	5	94
0548	7200N	10075EB	0.1	4	2.5	9	5	40
0548	7200N	10075EC	0.1	3	2.5	13	5	43
0548	7200N	10120EA	0.1	1	2.5	23	8	93
0548	7200N	10120EB	0.1	2	2.5	9	5	33
0548	7200N	10175EA	0.1	4	2.5	8	4	72
0548	7200N	10175EB	0.1	5	2.5	18	4	33
0548	7200N	10175EC	0.1	4	2.5	20	6	33
0548	7400N	9650EA	0.1	7	2.5	24	6	28
0548	7400N	9650EB	0.1	5	2.5	27	7	30
0548	7400N	9650EC	0.1	5	2.5	22	4	30
0548	7400N	9680EA	0.1	3	2.5	16	4	24
0548	7400N	9680EB	0.1	5	2.5	27	5	25
0548	7400N	9680EC	0.1	4	2.5	21	5	28
0548	7475N	9560EA	0.1	7	2.5	23	4	28
0548	7475N	9560EB	0.1	1	2.5	43	4	38
0548	7475N	9560EC	0.1	15	2.5	250	6	30
0548	7500N	10120EA	0.1	6	5	25	6	43
0548	7500N	10120EB	0.1	2	2.5	26	5	39
0548	7500N	10120EC	0.1	5	2.5	10	4	50
0548	7650N	9540EA	0.1	3	2.5	29	6	27
0548	7650N	9540EB	0.1	2	2.5	32	4	27
0548	7650N	9540EC	0.1	4	2.5	23	4	30
0548	7675N	9540EA	0.1	1	2.5	19	5	24
0548	7675N	9540EB	0.1	4	2.5	25	4	25
0548	7675N	9540EC	0.1	3	2.5	29	5	32
0548	7765N	9630EA	0.1	5	2.5	22	5	28
0548	7765N	9630EB	0.1	7	2.5	25	5	41
0548	7765N	9630EC	0.1	1	2.5	30	6	43
0548	7785N	9620EA	0.1	6	2.5	35	5	35
0548	7785N	9620EB	0.1	5	2.5	26	5	33
0548	7785N	9620EC	0.1	3	2.5	22	5	39
0548	8000N	9320EA	0.1	5	155	25	4	36
0548	8000N	9320EB	0.1	1	2.5	41	7	58
0548	8000N	9320EC	0.1	2	2.5	38	6	46
0548	8000N	9350EA	0.1	4	2.5	21	3	27
0548	8000N	9380EA	0.1	4	90	27	5	26
0548	8000N	9380EB	0.1	4	2.5	27	4	30
0548	8000N	9380EC	0.1	6	2.5	18	4	26
0548	8150N	9680EA	0.1	1	230	30	7	55
0548	8150N	9680EB	0.1	1	2.5	28	5	47
0548	8150N	9680EC	0.1	3	2.5	24	4	35

Lab Project	Grid Line	Grid Stat. & Depth	Ag ppm	As ppm	Au ppb	Cu ppm	Pb ppm	Zn ppm
0548	8150N	9720EA	0.1	1	2.5	32	6	69
0548	8150N	9720EB	0.1	2	2.5	24	5	34
0548	8150N	9720EC	0.1	1	2.5	25	5	42
0548	8300N	9600EA	0.1	5	2.5	22	7	46
0548	8300N	9600EB	0.1	4	2.5	33	5	44
0548	8300N	9600EC	0.1	2	2.5	41	7	56
0548	8800N	9630EA	0.1	1	2.5	18	5	26
0548	8800N	9630EB	0.1	2	2.5	28	4	34
0548	8800N	9630EC	0.1	3	10	35	5	46
0548	8900N	9300EA	0.1	1	2.5	100	7	76
0548	8900N	9300EB	0.1	4	2.5	30	3	45
0548	8900N	9300EC	0.1	5	2.5	48	7	66
0548	9350N	9450EA	0.1	4	85	22	4	32
0548	9350N	9450EB	0.1	3	2.5	45	5	60
0548	9350N	9450EC	0.1	3	2.5	38	5	47
0548	9350N	9465EA	0.1	5	2.5	37	4	50
0548	9350N	9465EB	0.1	7	2.5	24	31	38
0548	9350N	9465EC	0.1	2	2.5	40	5	53
0548	9350N	9490EA	0.1	4	5	38	4	56
0548	9350N	9490EB	0.1	4	2.5	22	4	32
0548	9350N	9490EC	0.1	2	2.5	28	4	40
0548	9350N	9520EA	0.1	1	2.5	30	4	54
0548	9350N	9520EB	0.1	7	5	30	7	49
0548	9350N	9520EC	0.1	2	10	33	5	50
0548	9350N	9540EA	0.1	2	2.5	25	5	63
0548	9350N	9540EB	0.1	1	2.5	29	5	38
0548	9350N	9540EC	0.1	7	2.5	34	4	41
0548	9350N	9565EA	0.1	4	2.5	27	6	48
0548	9350N	9565EB	0.1	3	2.5	25	5	30
0548	9350N	9565EC	0.1	4	2.5	26	5	35
0548	11205N	9805EA	0.1	1	2.5	70	4	53
0512	11650N	10075EA	0.1	1	2.5	7	4	32
0512	11650N	10075EB	0.1	1	2.5	13	3	50
0512	11650N	10100EA	0.1	1	2.5	10	3	32
0512	11650N	10100EB	0.1	1	2.5	10	4	33
0512	11700N	9760EA	0.1	2	65	28	4	36
0512	11700N	9760EB	0.1	3	35	32	5	31

APPENDIX VII

SOIL SAMPLE STATISTICAL SUMMARY

AND

HISTOGRAMS

P L A C E R   D O M E   I N C .

Placer Data Analysis System - STATS

run on 90:12:10 at 15:37:18

MCCONNELL CK. 1990 SOIL SAMPLE STATISTICAL ANALYSIS

Summary of data from file : MCSOIL90

This data file contains an internal header: (5 records)
Data grouped into 11 fields
with format: (3A8,A4,A2, 6F6.0)

Character ID fields:
GRID SAMP SMP2 PROJ TYPE

Coordinate fields:

Other data fields:
AG AS AU1 CU PB ZN

Missing data indicated by NULL value 99999.0

BASIC STATISTICS OF SELECTED DATA FIELDS:

NAME	NDATA	NULLS	MINIMUM	MAXIMUM	MEAN	STD. DEV.	GEOM. MEAN	DISPERSION	
AG	442	0	.100000	8.00000	.161312	.387236	.127001	.779865E-01	.206821
AS	442	0	1.00000	17.0000	2.94118	2.41428	2.15895	.989030	4.71275
AU1	442	0	2.50000	2530.00	22.7036	129.977	5.32779	1.52650	18.5951
CU	442	0	1.00000	380.000	42.4208	45.0499	29.7435	12.8188	69.0137
PB	442	0	1.00000	177.000	6.43891	11.6101	5.15386	3.12066	8.51172
ZN	442	0	22.0000	163.000	50.2738	21.8559	46.7025	32.3497	67.4232

```
HISTO:    MCCONNELL CK. 1990 SOIL SAMPLE STATISTICAL ANALYSIS              RUN ON 90:12:10  AT  15:37:18
File: MCSOIL90                    Field name: AU1     LOG = 1  REPVAL =     .00100
                                              ----
 442 SAMPLES WITH AU1   MINIMUM:   2.50000            MAXIMUM:  2530.00
 437 VALUES PLOTTED:      5 NOT IN RANGE   2.50000      to  250.000
    GEOMETRIC MEAN:         5.05001         DISPERSION:  1.60166      15.9227
  SCALE OF HISTOGRAM IS   4.00 COUNTS /PRINT POSITION    # = 5,50,95%
  N   MIDPOINT  PERCENT 0         40        80        120       160       200       240       280       320       360       400
                        I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
292   2.5000    # 66.82 I*************************************************************************                           I
  0   2.8050        .00 I                                                                                                    I
  0   3.1473        .00 I                                                                                                    I
  0   3.5313        .00 I                                                                                                    I
  0   3.9622        .00 I                                                                                                    I
  0   4.4457        .00 I                                                                                                    I
 21   4.9882       4.81 I*****                                                                                               I
  0   5.5968        .00 I                                                                                                    I
  0   6.2797        .00 I                                                                                                    I
  0   7.0460        .00 I                                                                                                    I
  0   7.9057        .00 I                                                                                                    I
  0   8.8703        .00 I                                                                                                    I
 29   9.9527       6.64 I*******                                                                                             I
  0   11.167        .00 I                                                                                                    I
  0   12.530        .00 I                                                                                                    I
  0   14.059        .00 I                                                                                                    I
 19   15.774       4.35 I*****                                                                                               I
  0   17.699        .00 I                                                                                                    I
 16   19.858       3.66 I****                                                                                                I
  0   22.281        .00 I                                                                                                    I
  6   25.000       1.37 I**                              25 ppb                                                              I
  0   28.050        .00 I                                                                                                    I
  9   31.473       2.06 I**                                                                                                  I
 10   35.313       2.29 I***                                                                                                 I
  5   39.622       1.14 I*                                                                                                   I
  1   44.457        .23 I                                                                                                    I
  0   49.882        .00 I                                50 ppb                                                              I
  1   55.968        .23 I                                                                                                    I
  4   62.797        .92 I*                                                                                                   I
  2   70.459        .46 I*                                                                                                   I
  6   79.057    #  1.37 I**                                                                                                  I
  7   88.703       1.60 I**                                                                                                  I
  1   99.527        .23 I                                                                                                    I
  1   111.67        .23 I                                                                                                    I
  1   125.30        .23 I                                                                                                    I
  0   140.59        .00 I                                                                                                    I
  1   157.74        .23 I                                                                                                    I
  1   176.99        .23 I                                                                                                    I
  1   198.58        .23 I                                                                                                    I
  3   222.81        .69 I*                                                                                                   I
  0   250.00        .00 I                                                                                                    I
-----                   I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
437                     0         40        80        120       160       200       240       280       320       360       400
```

```
HISTO:    MCCONNELL CK. 1990 SOIL SAMPLE STATISTICAL ANALYSIS          RUN ON 90:12:10  AT  15:37:18
File: MCSOIL90                Field name: CU      LOG = 1  REPVAL =     .00100
                                          ----
 442 SAMPLES WITH CU    MINIMUM:   1.00000          MAXIMUM:  380.000
 439 VALUES PLOTTED:      3 NOT IN RANGE   1.00000     to  250.000
    GEOMETRIC MEAN:         29.2545         DISPERSION:  12.8826     66.4328
  SCALE OF HISTOGRAM IS    .50 COUNTS /PRINT POSITION    # = 5,50,95%
  N   MIDPOINT  PERCENT 0        5.0       10.0       15        20        25        30        35        40        45        50
                        I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
  3    1.0000      .68 I******                                                                                              I
  0    1.1480      .00 I                                                                                                    I
  0    1.3179      .00 I                                                                                                    I
  0    1.5130      .00 I                                                                                                    I
  0    1.7370      .00 I                                                                                                    I
  2    1.9941      .46 I****                                                                                                I
  0    2.2892      .00 I                                                                                                    I
  0    2.6281      .00 I                                                                                                    I
  0    3.0171      .00 I                                                                                                    I
  0    3.4637      .00 I                                                                                                    I
  2    3.9764      .46 I****                                                                                                I
  0    4.5649      .00 I                                                                                                    I
  5    5.2406     1.14 I**********                                                                                          I
  6    6.0163     1.37 I************                                                                                        I
  2    6.9068      .46 I****                                                                                                I
  3    7.9292  #   .68 I******                                                                                              I
  6    9.1028     1.37 I************                                                                                        I
 14    10.450     3.19 I****************************                                                                        I
  7    11.997     1.59 I**************                                                                                      I
 20    13.773     4.56 I****************************************                                                            I
 17    15.811     3.87 I**********************************                                                                  I
 25    18.152     5.69 I**************************************************                                                  I
 33    20.839     7.52 I******************************************************************                                  I
 38    23.923     8.66 I****************************************************************************                        I
 49    27.464  # 11.16 I**************************************************************************************************  I
 39    31.529     8.88 I******************************************************************************                      I
 33    36.196     7.52 I******************************************************************                                  I
 21    41.554     4.78 I******************************************                                                          I
 19    47.704     4.33 I**************************************                                                              I
                                                    50 ppm
 15    54.765     3.42 I******************************                                                                      I
 18    62.872     4.10 I************************************                                                                I
 15    72.178     3.42 I******************************                                                                      I
                                                    80 ppm
  9    82.861     2.05 I******************                                                                                  I
  8    95.126     1.82 I****************                                                                                    I
  8    109.21     1.82 I****************                                                                                    I
  6    125.37  #  1.37 I************                                                                                        I
  1    143.93      .23 I**                                                                                                  I
  6    165.23     1.37 I************                                                                                        I
  5    189.69     1.14 I**********                                                                                          I
  3    217.77      .68 I******                                                                                              I
  1    250.00      .23 I**                                                                                                  I
-----                  I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
 439                   0        5.0       10.0       15        20        25        30        35        40        45        50
```

```
HISTO:   MCCONNELL CK. 1990 SOIL SAMPLE STATISTICAL ANALYSIS            RUN ON 90:12:10  AT  15:37:18
File: MCSOIL90                 Field name: ZN      LOG = 1  REPVAL =    .00100
                                          ----
 442 SAMPLES WITH ZN    MINIMUM:   22.0000           MAXIMUM:  163.000
 433 VALUES PLOTTED:     9 NOT IN RANGE   22.0000     to  120.000
    GEOMETRIC MEAN:        45.6523        DISPERSION:  32.6652     63.8028
  SCALE OF HISTOGRAM IS    .40 COUNTS /PRINT POSITION    # = 5,50,95%
  N   MIDPOINT  PERCENT 0       4.0       8.0        12        16        20        24        28        32        36        40
                        I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
  1   22.000       .23 I***                                                                                                  I
  0   22.953       .00 I                                                                                                     I
  2   23.948       .46 I*****                                                                                                I
  4   24.985       .92 I**********                                                                                           I
  4   26.067       .92 I**********                                                                                           I
  7   27.197      1.62 I******************                                                                                   I
  5   28.375    # 1.15 I*************                                                                                        I
 22   29.604      5.08 I*******************************************************                                              I
  9   30.887      2.08 I***********************                                                                              I
 15   32.225      3.46 I**************************************                                                               I
 28   33.621      6.47 I**********************************************************************                               I
  9   35.078      2.08 I***********************                                                                              I
 30   36.597      6.93 I***************************************************************************                          I
 17   38.183      3.93 I*******************************************                                                          I
 18   39.837      4.16 I*********************************************                                                        I
 31   41.563      7.16 I******************************************************************************                       I
 27   43.364    # 6.24 I********************************************************************                                 I
 14   45.242      3.23 I***********************************                                                                  I
 23   47.202      5.31 I**********************************************************                                           I
 25   49.247      5.77 I***************************************************************                                      I
 11   51.381      2.54 I****************************                                                                         I
 13   53.607      3.00 I*********************************                                                                    I
 20   55.929      4.62 I**************************************************                                                   I
  4   58.352       .92 I**********                                                                                           I
                                                                              60 ppm
 16   60.880      3.70 I****************************************                                                             I
  5   63.518      1.15 I*************                                                                                        I
 13   66.270      3.00 I*********************************                                                                    I
  8   69.141      1.85 I********************                                                                                 I
  6   72.136      1.39 I***************                                                                                      I
  6   75.261      1.39 I***************                                                                                      I
  7   78.522      1.62 I******************                                                                                   I
  9   81.924      2.08 I***********************                                                                              I
                                                                              85 ppm
  4   85.473    #  .92 I**********                                                                                           I
  4   89.176       .92 I**********                                                                                           I
  5   93.039      1.15 I*************                                                                                        I
  3   97.070       .69 I********                                                                                             I
  5   101.28      1.15 I*************                                                                                        I
  1   105.66       .23 I***                                                                                                  I
  0   110.24       .00 I                                                                                                     I
  2   115.02       .46 I*****                                                                                                I
  0   120.00       .00 I                                                                                                     I
-----                   I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
433                     0       4.0       8.0        12        16        20        24        28        32        36        40
```

```
HISTO:   MCCONNELL CK. 1990 SOIL SAMPLE STATISTICAL ANALYSIS              RUN ON 90:12:10  AT  15:37:18
File: MCSOIL90                 Field name: PB      LOG = 1  REPVAL =     .00100
                                           ----
 442 SAMPLES WITH PB    MINIMUM:    1.00000           MAXIMUM:  177.000
 437 VALUES PLOTTED:      5 NOT IN RANGE    1.00000      to  25.0000
    GEOMETRIC MEAN:         4.99581         DISPERSION:  3.33376     7.48648
  SCALE OF HISTOGRAM IS   2.00 COUNTS /PRINT POSITION   # = 5,50,95%
   N   MIDPOINT  PERCENT 0         20        40        60        80        100       120       140       160       180       200
                         I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
   1   1.0000       .23 I*                                                                                                  I
   0   1.0838       .00 I                                                                                                   I
   0   1.1746       .00 I                                                                                                   I
   0   1.2731       .00 I                                                                                                   I
   0   1.3797       .00 I                                                                                                   I
   0   1.4953       .00 I                                                                                                   I
   0   1.6207       .00 I                                                                                                   I
   0   1.7565       .00 I                                                                                                   I
   0   1.9037       .00 I                                                                                                   I
  27   2.0632    #  6.18 I**************                                                                                    I
   0   2.2361       .00 I                                                                                                   I
   0   2.4234       .00 I                                                                                                   I
   0   2.6265       .00 I                                                                                                   I
   0   2.8466       .00 I                                                                                                   I
  27   3.0852       6.18 I**************                                                                                    I
   0   3.3437       .00 I                                                                                                   I
   0   3.6239       .00 I                                                                                                   I
 116   3.9276      26.54 I**********************************************************                                        I
   0   4.2567       .00 I                                                                                                   I
   0   4.6134       .00 I                                                                                                   I
  85   5.0000    # 19.45 I*******************************************                                                       I
   0   5.4190       .00 I                                                                                                   I
  83   5.8731      18.99 I******************************************                                                        I
   0   6.3653       .00 I                                                                                                   I
  34   6.8987       7.78 I*****************                                                                                 I
   0   7.4767       .00 I                                                                                                   I
  35   8.1033       8.01 I******************                                                                                I
  10   8.7823    #  2.29 I*****                                                                                             I
-------------------------------------------------------- 9 ppm
   0   9.5183       .00 I                                                                                                   I
   7   10.316       1.60 I****                                                                                              I
   0   11.180       .00 I                                                                                                   I
   4   12.117       .92 I**                                                                                                 I
   5   13.133       1.14 I***                                                                                               I
   1   14.233       .23 I*                                                                                                  I
-------------------------------------------------------- 15 ppm
   1   15.426       .23 I*                                                                                                  I
   0   16.719       .00 I                                                                                                   I
   0   18.119       .00 I                                                                                                   I
   0   19.638       .00 I                                                                                                   I
   1   21.284       .23 I*                                                                                                  I
   0   23.067       .00 I                                                                                                   I
   0   25.000       .00 I                                                                                                   I
 -----                   I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
 437                     0        20        40        60        80        100       120       140       160       180       200
```

```
HISTO:    MCCONNELL CK. 1990 SOIL SAMPLE STATISTICAL ANALYSIS            RUN ON 90:12:10  AT  15:37:18
File: MCSOIL90                 Field name: AG      LOG = 1  REPVAL =     .00100
                                           ----
 442 SAMPLES WITH AG    MINIMUM:    .100000           MAXIMUM:  8.00000
 441 VALUES PLOTTED:     1 NOT IN RANGE    .100000      to  1.00000
    GEOMETRIC MEAN:         .125813         DISPERSION:  .805133E-01 .196601
  SCALE OF HISTOGRAM IS   4.00 COUNTS /PRINT POSITION    # = 5,50,95%
  N   MIDPOINT  PERCENT 0         40        80        120       160       200       240       280       320       360       400
                        I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
335   .10000E+00# 75.96 I************************************************************************************               I
  0   .10593        .00 I                                                                                                   I
  0   .11220        .00 I                                                                                                   I
  0   .11885        .00 I                                                                                                   I
  0   .12589        .00 I                                                                                                   I
  0   .13335        .00 I                                                                                                   I
  0   .14125        .00 I                                                                                                   I
  0   .14962        .00 I                                                                                                   I
  0   .15849        .00 I                                                                                                   I
  0   .16788        .00 I                                                                                                   I
  0   .17783        .00 I                                                                                                   I
  0   .18836        .00 I                                                                                                   I
 63   .19953      14.29 I****************                                                                                   I
                                          0.2 ppm
  0   .21135        .00 I                                                                                                   I
  0   .22387        .00 I                                                                                                   I
  0   .23714        .00 I                                                                                                   I
  0   .25119        .00 I                                                                                                   I
  0   .26607        .00 I                                                                                                   I
  0   .28184        .00 I                                                                                                   I
 19   .29854       4.31 I*****                                                                                              I
                                          0.3 ppm
  0   .31623        .00 I                                                                                                   I
  0   .33496        .00 I                                                                                                   I
  0   .35481        .00 I                                                                                                   I
  0   .37584        .00 I                                                                                                   I
 17   .39811     #  3.85 I****                                                                                              I
  0   .42170        .00 I                                                                                                   I
  0   .44668        .00 I                                                                                                   I
  0   .47315        .00 I                                                                                                   I
  1   .50119        .23 I                                                                                                   I
  0   .53088        .00 I                                                                                                   I
  0   .56234        .00 I                                                                                                   I
  4   .59566        .91 I*                                                                                                  I
  0   .63096        .00 I                                                                                                   I
  0   .66834        .00 I                                                                                                   I
  0   .70794        .00 I                                                                                                   I
  0   .74989        .00 I                                                                                                   I
  1   .79433        .23 I                                                                                                   I
  0   .84139        .00 I                                                                                                   I
  0   .89125        .00 I                                                                                                   I
  0   .94406        .00 I                                                                                                   I
  1   1.0000        .23 I                                                                                                   I
-----                   I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
441                     0         40        80        120       160       200       240       280       320       360       400
```

```
HISTO:   MCCONNELL CK. 1990 SOIL SAMPLE STATISTICAL ANALYSIS          RUN ON 90:12:10  AT  15:37:18

File: MCSOIL90              Field name: AS      LOG = 1  REPVAL =    .00100
                                        ----
 442 SAMPLES WITH AS    MINIMUM:   1.00000          MAXIMUM:  17.0000
 438 VALUES PLOTTED:     4 NOT IN RANGE   1.00000     to  10.0000
    GEOMETRIC MEAN:        2.12346        DISPERSION:  .988754     4.56038
   SCALE OF HISTOGRAM IS   2.00 COUNTS /PRINT POSITION   # = 5,50,95%
   N   MIDPOINT  PERCENT 0        20        40        60        80       100       120       140       160       180       200
                         I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
 200   1.0000    # 45.66 I****************************************************************************************************I
   0   1.0593       .00 I                                                                                                    I
   0   1.1220       .00 I                                                                                                    I
   0   1.1885       .00 I                                                                                                    I
   0   1.2589       .00 I                                                                                                    I
   0   1.3335       .00 I                                                                                                    I
   0   1.4125       .00 I                                                                                                    I
   0   1.4962       .00 I                                                                                                    I
   0   1.5849       .00 I                                                                                                    I
   0   1.6788       .00 I                                                                                                    I
   0   1.7783       .00 I                                                                                                    I
   0   1.8836       .00 I                                                                                                    I
  43   1.9953    #  9.82 I**********************                                                                              I
   0   2.1135       .00 I                                                                                                    I
   0   2.2387       .00 I                                                                                                    I
   0   2.3714       .00 I                                                                                                    I
   0   2.5119       .00 I                                                                                                    I
   0   2.6607       .00 I                                                                                                    I
   0   2.8184       .00 I                                                                                                    I
  47   2.9854      10.73 I************************                                                                            I
   0   3.1623       .00 I                                                                                                    I
   0   3.3497       .00 I                                                                                                    I
   0   3.5481       .00 I                                                                                                    I
   0   3.7584       .00 I                                                                                                    I
  47   3.9811      10.73 I************************                                                                            I
   0   4.2170       .00 I                                                                                                    I
   0   4.4668       .00 I                                                                                                    I
   0   4.7315       .00 I                                                                                                    I
  37   5.0119       8.45 I*******************                              5 ppm                                              I
   0   5.3088       .00 I                                                                                                    I
   0   5.6234       .00 I                                                                                                    I
  23   5.9566       5.25 I************                                                                                        I
   0   6.3096       .00 I                                                                                                    I
   0   6.6834       .00 I                                                                                                    I
  26   7.0795    #  5.94 I*************                                                                                       I
   0   7.4989       .00 I                                                                                                    I
  10   7.9433       2.28 I*****                                                                                               I
                                                                           8 ppm
   0   8.4139       .00 I                                                                                                    I
   4   8.9125       .91 I**                                                                                                  I
   0   9.4406       .00 I                                                                                                    I
   1   10.000       .23 I*                                                                                                   I
 -----                   I---------I---------I---------I---------I---------I---------I---------I---------I---------I---------I
 438                     0        20        40        60        80       100       120       140       160       180       200
```

CORMAT: RUN ON 90:12:10 AT 15:37:18

Data from file: MCSOIL90

MCCONNELL CK. 1990 SOIL SAMPLE STATISTICAL ANALYSIS

Correlation matrix for 442 records with 6 variables

	AG	AS	AU1	CU	PB	ZN
LOG:	1	1	1	1	1	1
AG	1.000	.018	.055	.159	.329	.298
AS	.018	1.000	-.017	.264	.108	-.241
AU1	.055	-.017	1.000	.142	.126	.099
CU	.159	.264	.142	1.000	.148	.221
PB	.329	.108	.126	.148	1.000	.217
ZN	.298	-.241	.099	.221	.217	1.000

Number of data pairs contributing to correlation

	AG	AS	AU1	CU	PB	ZN
AG	442	442	442	442	442	442
AS	442	442	442	442	442	442
AU1	442	442	442	442	442	442
CU	442	442	442	442	442	442
PB	442	442	442	442	442	442
ZN	442	442	442	442	442	442

APPENDIX VIII

PETROGRAPHIC STUDY

McCONNELL CREEK PROPERTY '90

Character Rock Samples Sent to Vancouver Petrographics

52584 - QZDR: Quartz Diorite

Location: Trench 20 (west end), between 0 and 18 metres

Remarks: Greyish-green, medium grained, with 3-5% potassium feldspar patches, chlorite and biotite alteration, trace of carbonate in fractures. No mineralization. No values.

52585 - QZMZ: Quartz Monzonite

Location: Trench 17, between 7 and 50 metres

Remarks: Light tan-grey, medium grained, weakly altered. Up to 2% feldspar phenocrysts from 0.5 to 1.0 centimetres in size. No values.

52586 - QZDR: Quartz Diorite

Location: Trench 8, between 9.5 and 12.0 metres

Remarks: Medium grey, porphyritic diorite with 30-40% plagioclase phenocrysts up to 0.5 centimetres in size. Minor disseminated pyrite. No values.

52587 - AMGN: Amphibolite Gneiss

Location: DDH90-05, Box 24 @ 137.4 metres (Sample #14964

Remarks: Well banded and moderately foliated. One band of fine grained amphibolite. Another, wider band of diorite with disseminated pyrite associated with epidotized and chloritized seams. No values.

52588 - CLSH: Chlorite-Sericite Schist

Location: DDH90-08, Box 15 @ 78.0 metres (Sample #15094)

Remarks: Medium grey, strongly foliated with about 10% disseminated pyrite. Contains 290 ppb gold.

Vancouver Petrographics Ltd.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph.D. Geologist
CRAIG LEITCH, Ph.D. Geologist
JEFF HARRIS, Ph.D. Geologist
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Report for: **Marc Deschenes,**
Placer Dome Inc.,
401 - 1450 Pearson Place,
KAMLOOPS, B.C., V1S 1J9

Job 114b
November 1990

Project: McConnell

Samples: 52584 - 52588

Summary:

Sample 52584 is a medium grained, **slightly porphyritic, potassic diorite** dominated by plagioclase with much less biotite, epidote, and K-feldspar, and with minor sphene. It was deformed and recrystallized slightly.

Sample 52585 is a medium grained, **granodiorite** dominated by plagioclase with less quartz and K-feldspar, and much less epidote and biotite. Major accessory minerals are sphene and magnetite. It was sheared and recrystallized slightly; quartz was recrystallized most strongly, and sericite-rich seams were formed.

Sample 52586 is a **porphyritic diorite** containing phenocrysts of plagioclase in a very fine to fine grained groundmass dominated by plagioclase, with much less hornblende, epidote and chlorite. Textures suggest that the rock was metamorphosed and recrystallized slightly.

Sample 52587 contains bands of **amphibolite** dominated by hornblende and plagioclase and a large **felsic-rich band,** possibly formed by metamorphic segregation, dominated by plagioclase with much less hornblende, epidote, and chlorite. A **replacement band** in the felsic-rich layer is dominated by **epidote.** Accessory minerals include sphene, apatite, and pyrite.

Sample 52588 is a well foliated, **metamorphosed latite tuff** containing plagioclase grains in a groundmass of muscovite. A few layers contain coarser grained detrital plagioclase. At one end, plagioclase is coarser grained. Minor minerals include apatite, pyrite, and Ti-oxide. Accessory minerals include zircon and scheelite.

John G. Payne, PhD.
(604)-986-2928

Sample 52584 TR-90-20 Slightly Porphyritic Potassic Diorite

The rock is a medium grained, slightly porphyritic, potassic diorite dominated by plagioclase with much less biotite, epidote, and K-feldspar, and with minor sphene. It was deformed and recrystallized slightly.

plagioclase	60-65%
epidote	15-17
biotite	12-15
K-feldspar	5- 7
amphibole	2- 3
sphene	1
quartz	0.3
apatite	0.1
chalcopyrite	minor
pyrite	trace
ilmenite	trace

Plagioclase forms anhedral grains averaging 0.5-1.5 mm in size. Some are strained and broken slightly to moderately , and some finer grained aggregates may have been recrystallized from coarser grains. Some grains are altered slightly to disseminated flakes of muscovite and irregular patches of calcite. Others contain moderately abundant disseminated grains of epidote averaging 0.03-0.07 mm in size.

Biotite and epidote commonly occur together in ragged patches up to a few mm across. Biotite forms flakes averaging 0.2-0.7 mm in size. Pleochroism is from pale to medium brownish green. Epidote forms ragged patches ranging from extremely fine grained up to 0.5 mm in grain size.

K-feldspar forms anhedral grains up to 2 mm in size. Perthitic textures are common. Some grains contain irregular patches of calcite.

Quartz forms a few patches up to 0.7 mm in length of extremely fine grained aggregates.

Sphene forms ragged to subhedral grains up to 0.3 mm in length and patches up to 0.6 mm across. It commonly is intergrown with biotite and less commonly with epidote.

Amphibole forms a few ragged, prismatic grains up to 0.9 mm long. It is pleochroic from pale to light green. Many grains are rimmed partly by biotite and sphene.

Apatite forms subhedral prismatic grains averaging 0.07-0.15 mm long.

Ilmenite forms a few grains averaging 0.07 mm in size.

Chalcopyrite forms anhedral grains averaging 0.03-0.1 mm in size, mainly associated with epidote. Alteration is moderate along grain borders to bright red/brown hematite.

Pyrite forms a few equant grains averaging 0.03 mm in size.

Sample 52585 Trench 90-17 Slightly Deformed Granodiorite

The rock is a medium grained, granodiorite dominated by plagioclase with less quartz and K-feldspar, and much less epidote and biotite. Major accessory minerals are sphene and magnetite. It was sheared and recrystallized slightly; quartz was recrystallized most strongly, and sericite-rich seams were formed.

plagioclase	60-65%	sphene	0.5%
quartz	17-20	magnetite	0.2
K-feldspar	7- 8	apatite	minor
epidote	4- 5	pyrite	minor
biotite	4- 5		
sericite	1- 2		

Plagioclase forms anhedral grains averaging 0.5-1.5 mm in size. A few megacrysts are up to 2.5 mm across. Many larger grains are strained and warped slightly, and a few are warped moderately. Many contain abundant dusty hematite inclusions. Alteration generally is weak to disseminated flakes of sericite or patches of epidote. Thin rims on many grains against K-feldspar were recrystallized and are free of dusty inclusions.

Quartz forms anhedral grains averaging 0.5-1 mm in size in patches interstitial to plagioclase. Most are strained slightly to moderately, and some are recrystallized slightly to much finer subgrain aggregates with slightly disoriented extinction positions. Many quartz-rich patches were recrystallized to much finer grained aggregates in incipient shear zones. Locally, these recrystallized patches also contain moderately abundant very fine grained plagioclase. Associated with many of the shear zones are seams of sericite/muscovite.

K-feldspar forms a few megacrysts up to a few mm across. More commonly it forms anhedral, interstitial grains averaging 0.3-1 mm in size. A few grains are slightly perthitic.

Epidote and biotite generally occur together in irregular to elongate patches up to 1.5 mm in size. Epidote grains commonly are granular and average 0.05-0.15 mm in size. Epidote also forms a few discontinuous veinlets up to 0.05 mm wide.

Biotite forms ragged to subhedral flakes averaging 0.1-0.3 mm in size, mainly in clusters associated with minor to abundant epidote. A few flakes are from 0.5-1.2 mm long. Pleochroism is from pale to medium green or brownish green. In a few lenses up to 1.5 mm long and in a few patches associated with epidote, biotite was replaced completely by pseudomorphic chlorite and minor Ti-oxide.

Sericite is concentrated in wispy seams between plagioclase grains, and in a few larger seams associated with epidote. A few grains of muscovite up to 0.4 mm in size are present away from the seams.

Sphene forms subhedral to euhedral grains averaging 0.2-0.6 mm in length. One irregular elongate grain is 1 mm long. Mainly anhedral grains averaging 0.1-0.15 mm in size occur in patches of biotite-epidote.

Magnetite forms disseminated, subhedral to euhedral grains averaging 0.1-0.25 mm in size.

Apatite forms equant grains up to 0.17 mm in size mainly associated with biotite-epidote patches.

Pyrite forms anhedral grain up to 0.15 mm in size mainly associated with biotite-epidote patches. Pyrite is altered slightly to completely to hematite.

(continued)

Calcite forms irregular grains averaging 0.05-0.1 mm in size intergrown with patches of recrystallized quartz. It also forms a few grains up to 0.4 mm in size in discontinuous veinlets cutting plagioclase grains.

One megacryst of K-feldspar is cut by a gash vein up to 0.7 mm wide containing calcite grains up to 0.7 mm in size intergrown with less very fine grained quartz and moderately abundant flakes of chlorite up to 0.5 mm long. Chlorite is pleochroic from pale yellowish green to medium green.

Sample 52586 TR-90-8 Metamorphosed Porphyritic Diorite

Phenocrysts of plagioclase are set in a very fine to fine grained groundmass dominated by plagioclase, with much less hornblende, epidote and chlorite. Textures suggest that the rock was metamorphosed and recrystallized slightly.

phenocrysts		ilmenite	0.2%
plagioclase	12-15%	chalcopyrite	0.1
groundmass		magnetite	0.1
plagioclase		sphene	minor
a) altered	65-70	biotite	minor
b) interstitial, fresh	2- 3	apatite	minor
epidote	7- 8	muscovite	trace
hornblende	3- 4		
chlorite	3- 4		
pyrite	1		
calcite	0.2		

Plagioclase forms phenocrysts averaging 1-2.5 mm in size. They are altered slightly to muscovite flakes up to 0.2 mm in size and ragged patches of calcite averaging 0.05-0.15 mm in size.

In the groundmass, plagioclase forms anhedral grains averaging 0.2-0.7 mm in size. Alteration is slight to moderate to patches of extremely fine grained sericite. Many grains contain abundant dusty inclusions of hematite. Fresh (more sodic?) plagioclase forms interstitial grains averaging 0.1-0.2 mm in size.

Hornblende forms equant subhedral to ragged grains averaging 0.1-0.3 mm in size. Pleochroism is from light to medium brownish green. Patches of epidote and chlorite may be secondary after hornblende.

Epidote forms irregular patches up to 1 mm in size of grains averaging 0.1-0.5 mm in size.

Chlorite forms patches of grains averaging 0.1-0.3 mm in grain size. Pleochroism is from pale to light green.

Calcite forms anhedral interstitial grains averaging 0.08-0.15 mm in size, commonly associated with chlorite or hornblende.

Pyrite forms disseminated, equant grains averaging 0.05-0.25 mm in size.

Ilmenite forms grains averaging 0.1-0.3 mm across; many contain tiny, parallel exsolution plates of hematite. Alteration is moderate to strong along grain borders to Ti-oxide/sphene. Sphene forms anhedral grains up to 0.3 mm across.

Magnetite forms a few anhedral, equant grains averaging 0.15-0.2 mm in size.

Biotite forms a few flakes up to 0.5 mm in length. Pleochroism is from light to medium/dark greenish brown.

Chalcopyrite forms disseminated patches averaging 0.02-0.15 mm across. In a few patches, grains are altered moderately on their margins to limonite.

Apatite forms equant grains averaging 0.05-0.15 mm in size, commonly associated with epidote-chlorite.

Muscovite forms equant flakes averaging 0.1 mm in size, commonly intergrown with epidote.

Sample 52587 DDH 90-5 137.4 m **Banded Amphibolite with Plagioclase-rich Segregation and Epidote-rich Replacement Band**

The rock contains bands of amphibolite dominated by hornblende and plagioclase and a large felsic-rich band, possibly formed by metamorphic segregation, dominated by plagioclase with much less hornblende, epidote, and chlorite. A replacement band in the felsic-rich layer is dominated by epidote. Accessory minerals include sphene, apatite, and pyrite.

amphibolite (15-17% of thin section; one main, one minor band)

hornblende	50-55%	chlorite	1- 2%
plagioclase	40-45	sphene	0.2

Hornblende forms equant to slightly elongate grains averaging 0.3-0.8 mm in size. Pleochroism is from light/medium brownish green to medium green.

Plagioclase forms equant, submosaic grains averaging 0.15-0.4 mm in size. Alteration is slight to extremely fine grained flakes of sericite and patches of epidote. A few more strongly altered patches up to 0.7 mm in size contain abundant epidote grains averaging 0.05-0.2 mm in size and extremely fine grained sericite flakes. Muscovite forms disseminated flakes averaging 0.1-0.4 mm in size, probably as a replacement of plagioclase.

Chlorite forms flakes averaging 0.07-0.15 mm in size, mainly bordering hornblende grains. Pleochroism is from pale to light green.

Sphene forms irregular, grains averaging 0.03-0.07 mm in size, and a few elongate grains up to 0.12 mm long. It commonly is associated with chlorite.

felsic layers (75-80% of thin section)

plagioclase	82-85%	pyrite	0.1%
hornblende	8-10	magnetite	minor
epidote	5- 7	muscovite	minor
chlorite	1- 2	chalcopyrite	trace
apatite	0.2	calcite	trace
sphene/Ti-oxide	0.2		

Plagioclase forms anhedral, slightly interlocking grains averaging 0.3-0.8 mm in size. Alteration is moderate to disseminated, very fine grained flakes of sericite and patches of epidote. Muscovite forms a few equant flakes up to 0.1 mm across; these probably are secondary after plagioclase.

Hornblende forms subhedral grains averaging 0.7-1 mm long. Some are pleochroic from light to medium brownish green. Some are replaced by pale green actinolite, and some are replaced by intimate intergrowths of actinolite and epidote.

Epidote forms a few patches up to 1 mm in size of very fine to fine grained aggregates.

Chlorite forms scattered patches of flakes up to 0.4 mm long, commonly associated with epidote patches. Pleochroism is from pale to light green.

Sphene/Ti-oxide forms anhedral grains averaging 0.03-0.05 mm in size, and a few up to 0.25 mm across. Ti-oxide forms aggregates in the core of the patch, which are intergrown with and surrounded by sphene.

(continued)

Apatite forms disseminated, equant to stubby prismatic grains averaging 0.07-0.15 mm in size.

Pyrite forms equant, anhedral to euhedral grains up to 0.4 mm across.

Magnetite forms a few subhedral, equant grains averaging 0.15-0.2 mm in size.

A patch of chalcopyrite 0.4 mm across surrounds a euhedral epidote grain. Smaller chalcopyrite patches average 0.02-0.05 mm in size.

Calcite forms anhedral, interstitial grains averaging 0.05 mm in size.

epidote-rich layer (5-7% of rock)

A band up to a few mm wide in the core of the felsic layer is dominated by interlocking intergrowths of epidote averaging 0.2-0.5 mm in size, with much less abundant interstitial plagioclase and amphibole. Bordering this zone is a zone up to a few mm wide which is gradational to the felsic layer, except that it much more abundant epidote than norma, and in part contains plagioclase aggregates averaging 0.5-0.8 mm in size, which contain only minor replacement patches of epidote and sericite. Cavities averaging 0.05-0.15 mm in size in the main epidote patch may be primary.

Sample 52588 DDH 90.8 78.0 m **Metamorphosed Latite Tuff**

The rock is well foliated and dominated by plagioclase grains in a groundmass of muscovite. A few layers contain coarser grained detrital plagioclase. At one end, plagioclase is coarser grained. Minor minerals include apatite, pyrite, and Ti-oxide. Accessory minerals include zircon and scheelite.

plagioclase	
detrital grains	4- 5%
finer grains	50-55
coarse grained zone	7- 8
sericite	25-30
pyrite	3- 4
Ti-oxide	1- 2
apatite	1- 2
calcite	1
scheelite	trace
zircon	trace

Plagioclase forms relic phenocrysts averaging 0.2-0.5 mm in size. They are concentrated moderately to strongly in a few layers up to 1 mm wide. Most are altered slightly to sericite and dusty semiopaque. Some contain moderately abundant, ragged, interstitial patches of calcite. Elsewhere, plagioclase generally forms anhedral grains averaging 0.07-0.15 mm in size; these are fresh and lack dusty semiopaque inclusions. At one end, plagioclase was recrystallized to moderately interlocking aggregates of grains averaging 0.2-1 mm in size. Plagioclase in this zone contains minor to moderately abundant inclusions of muscovite.

Muscovite forms flakes averaging 0.05-0.1 mm in length. A few are from 0.2-0.7 mm long.

Calcite forms skeletal to equant patches up to 0.4 mm in size in much of the rock, and up to 0.8 mm in size in the coarser grained plagioclase zone.

Pyrite forms lenses up to a few mm long of anhedral to subhedral grains up to 0.5 mm in size, and disseminated, mainly anhedral grains averaging 0.05-0.2 mm in size. A very few larger grains contain an inclusion of chalcopyrite up to 0.05 mm long.

Apatite forms subhedral grains averaging 0.1-0.2 mm in size, with several up to 0.8 mm across.

Ti-oxide forms ragged patches up to 1 mm across and lenses parallel to foliation up to 1 mm long of cryptocrystalline aggregates, possibly after original sphene.

Scheelite forms a euhedral grain 0.5 mm across.

Zircon forms moderately abundant, equant euhedral grains averaging 0.05-0.08 mm across.

APPENDIX IX

SUMMARY REPORT ON THE 1990 EXPLORATION PROGRAM

AT

McCONNELL CREEK

BY

W. G. SMITHERINGALE

SUMMARY REPORT ON THE 1990 EXPLORATION PROGRAM

AT McCONNELL CREEK, B.C., N.T.S. 94D/15E &16W (V239)

by

W.G. SMITHERINGALE, Ph.D., P.Eng.

October 31, 1990

TABLE OF CONTENTS

SUMMARY REPORT ON THE 1990 EXPLORTAION PROGRAM

AT McCONNELL CREEK, B.C., N.T.S. 94D/15E &16W (V239)

INTRODUCTION

This report is based on two weeks spent on the property while the program was in progress and on a review of the data generated by the program. The report is intended to accompany a detailed report prepared by the staff of Placer Dome Inc. The function of the writer in the program was to provide input based on his previous three seasons experience on the property.

The 1990 program was the second conducted by Placer Dome Inc. under an option agreement with the owner, Gerle Gold Ltd. It was largely financed by a "share flow-through" agreement between Placer Dome and Gerle Gold. The first program, in 1989, consisted of extensive geochemical and geophysical work on 320 line kilometres of grid. It resulted in the identification of a number of targets on both the south grid, on which the main showings occur, and on the central grid, which was largely unexplored due to an almost pervasive cover of glacial till.

Mineralization on the property consists of gold bearing quartz-carbonate veins hosted by chlorite-carbonate schist zones developed in metavolcanic amphibolite gneiss. Veins occur discontinuously over a strike length of 9 km.

THE 1990 PROGRAM

The 1990 program included the construction of 6 km of 4x4 access road, diamond drilling 10 holes totalling 1044 m and the excavation of 30 backhoe trenches. In concept, trenching of geochemical anomalies and VLF-EM conductors and the collection of basal till samples from the trenches was to have identified drill targets. In execution, there was insufficient time for the trenching operations to identify and rank drill targets before the drill arrived on the property.

RESULTS

No vein systems of significant size or gold content were found. However, a considerable amount of information useful for the continuing explolration of the central and northern grids was obtained, especially regarding the distribution of chlorite schist zones.

Amphibolite Gneiss - Quartz Monzonite Contact: This eastern boundary of the amphibolite gneiss was redrawn. The width of the amphibolite gneiss belt in the central grid is only 150 m to 300 m, rather than 500 m to 1 km as previously believed. The K-spar porphyry in the vicinity of 10700N, 9800E is now interpreted as part of the main body of the Jensen Peak quartz monzonite, rather than an outlying stock. No outcrops have been found east of 9900E in the central grid or in the entire north grid, so the presence in these areas of belts of amphibolite gneiss occurring as roof pendants within the quartz monzonite remains a possibility.

Chlorite Schist: A number of chlorite schist zones , some between 6 m and 12 m thick, were intersected by trenching and drilling. A well developed zone is commonly developed near the amphibolite gneiss - quartz monzonite contact, however, chlorite schist zones are not restricted to the vicinity of this contact. Only thin zones of sericite bearing schist, which is the preferred host for THICK quartz veins in the south grid, were encountered in the schist zones examined.

Several narrow chlorite-carbonate schist zones containing thin sulfide bearing quartz veins and anomalous gold concentrations were found in quartz monzonite.

Quartz Veins and Mineralization: Most chlorite schist zones intersected contain a few sulfide bearing quartz - carbonate veins up to several centimetres thick, but well developed veins containing significant gold values were not encountered. The largest vein uncovered is about 40 cm thick.

Thin quartz veins and fracture fillings occur in quartz monzonite and non-schistose amphibolite gneiss. Some are very locally developed stockworks and contain no sulfides. Others, however, have similar trends to veins in schist zones, may contain minor pyrite and chalcopyrite and have anomalous gold concentrations associated with them. For example, in Trench 90-17 a 20 m interval of quartz monzonite contains schistose chlorite-sericite-carbonate zones 20 cm, 45 cm and 2 m wide and 6 quartz veins 1 cm to 4 cm thick. Chip samples of 2 m intervals in these zones carried between 70 and 280 ppb Au. In DDH 90-1 altered quartz monzonite containing thin quartz stringers with K-spar - muscovite envelopes and inclusions of amphibolite gneiss contains a 5.5 m interval that averages 208 ppb Au and a 19.5 m interval that averages 235 ppb Au.

<u>VLF-EM Conductors</u>: Trenches and drill holes that crossed conductors show that some conductors are coincident with chlorite schist zones but others are not. Furthermore, most chlorite schist zones encountered are not VLF-EM conductors. The origins of the VLF-EM response are probably water filled structures such as fractures in bedrock and porous zones in till. It appears that VLF-EM conductors are generally not a useful exploration guide in the amphibolite gneiss terrane of the central grid.

The distinctly linear belt of VLF-EM conductors that is a component of target area C1, within the quartz monzonite, was not investigated by the 1990 program.

<u>1989 Geochemical Anomalies</u>: The sources of most of the geochemical anomalies identified by the 1989 program remain unknown. A program of basal till sampling to identify dispersion trains is the method most likely to succeed in tracing these sources. Overburden samples were collected from the 1990 trenches, but profile samples of till large enough for a basal till study were not collected. The source of one

anomaly is known. The lead anomaly in target area C8 can be attributed to galena bearing veins such as those exposed in Trench 90-17.

The data from the 1989 soil survey show a number of clearly anomalous gold values distributed as poorly defined clusters or spot highs. The data is thus difficult to interpret. One explanation is that trends are being masked by an analytical inconsistency due to a nugget effect. To test this possibility Mike Gareau, geochemist for Placer Dome, has suggested that samples from several target areas be analyzed by neutron activation, a process that allows larger subsamples to be utilized than in standard geochemical analysis.

Glacial Till: Only one till sheet was exposed in most trenches. It is well compacted, grey and is composed of clay to boulder size material. In places it contains bedded sand and gravel lenses near the top and in TR 90-23 it is overlain by a weakly compacted, brown, clay-sand-gravel-boulder till. Boulder clay and varved clay are reported to overlie boulder till in old trenches dug between 6800N and 7800N along the east side of the large swamp. A thin veneer of ablation till, probably overlying clay in places, appears to form the surface layer beneath much of the swampy ground and the area between the swamps and the baseline.

Till thickness varies from less than a metre to more than 5 m in trenches that did not reach bedrock. Sudden changes in thickness occur in an east-west direction. The changes are predictable in ridge and swale topography but in places the change is unpredictable. These changes suggest a NW-SE grain to the burried bedrock surface, a feature that should be considered in the planning and interpretation of a basal till geochemistry survey.

The direction of ice movement in the central grid was between 110 deg. and 130 deg. This is indicated by glacial striae at the east end of TR 90-12, by the orientation of ridge and swale topography, by the orientation of the glacially scoured ridge on which DDH 90-5 is collared, by the axis of an elongate Cu and Au soil anomaly extending from L11050N, 9640E to L11500N, 9400E, and by the location of float from the mafic dyke that crosses the baseline at 8100N.

<u>1990 Overburden Sampling</u>: Overburden samples from the A, B and C horizons were collected from the 1990 trenches at 10 m intervals. Most trenches excavated on 1989 gold anomalies showed anomalous gold values in one or more samples. However, values were not consistent in samples from the same profile or from the same soil horizon. This lack of consistency at the scale of individual trenches conforms with the spotty distribution of anomalous values in the 1989 survey. A visual inspection of the 1990 data suggests that A horizon samples are more often anomalous in gold than B or C horizon samples.

<u>Northward Extension of the Main Vein System, South Grid</u>: The attempt to trace the well developed and mineralized vein

exposed at 6130N, 10008E in the south grid northward with diamond drill holes 90-1, 90-2 and 90-3 was unsuccessful. A well developed chlorite schist zone and the nearby amphibolite gneiss - quartz monzonite contact was intersected by each hole. Quartz-carbonate veins several centimetres thick containing minor gold values are present in the schist zone, but nothing was found that resembles the vein at 6130N.

The position of the quartz monzonite contact in DDH 90-1 relative to its location south of the westward trending creek valley at 6220N indicates the presence in the creek valley of a cross-fault with a left hand offset of about 30 m. The position of the contact and schist zones in drill holes 90-2 and 90-3 show the contact and schist zone to be swinging to the west rather than continuing grid northward into target area C1.

<u>The IP Anomaly, T-C2</u>: Holes DDH 90-4 and DDH 90-5 sectioned the IP anomaly. The anomaly appears to be due to very finely disseminated pyrite and pyrrhotite that is non-uniformly distributed from band to band in amphibolite gneiss that has been mildly affected by contact metasomatism. The sulfide content varies in adjacent bands from almost nil to about 6%, and is typically about 2%. The products of metasomatism are fine-grained epidote, garnet, quartz and biotite.

Several chlorite schist zones, one 7 m thick, containing thin quartz veins were intersected, but the veins are low in gold.

A 2.25 m interval (NOT a schist zone) of amphibolite gneiss containing thin sulfide bearing quartz veins assayed 5.25 ppm Au.

Chlorite Schist/Quartz Veins in Target Areas C8, C10 and C13: One purpose of trenching in these areas was to trace these zones, known from the 1989 program, along strike. This was done, but none of the chlorite schist zones or quartz veins widen significantly along strike.

CONCLUSIONS

1. It is unlikely that a large continuous vein system is present in the central grid, unless it lies in the quartz monzonite terrane east of the areas investigated during the 1990 program. Not even medium sized veins are present in the areas investigated in 1990. However, much of the amphibolite gneiss terrane, including parts of the target areas identified in 1989, has not been investigated.

2. In the writers opinion the potential for the presence in the central grid of vein systems similar to the main system in the south grid has been enhanced by the 1990 program for following reasons:

a) The recognition that a well developed chlorite schist zone characteristically lies close to the quartz monzonite contact and that this contact lies just east of the area covered by the 1989 soils survey opens up 3500 m of favourable, unexplored ground, not including whatever distance the contact extends into the north grid.

b) The discovery of chlorite schist zones in the central and western portions of the amphibolite gneiss, some distance west of the quartz monzonite contact, opens the possibility of more than one zone of mineralization being present.

c) The distribution of chlorite schist zones containing thin quartz veins with geochemically anomalous gold indicates that the mineralizing process was active at least to the north end of the central grid, and most likely beyond. The question that goes begging is whether or not there were structural traps in the area sufficiently large to allow the development of significant veins.

d) The presence in quartz monzonite of chlorite schist zones containing small gold enriched quartz veins and of gold and copper 1989 soil anomalies that appear to originate in the quartz diorite indicate that mineralization is not restricted to amphibolite gneiss.

3. Most of the 1990 trenches were located on geochemical anomalies. Since the sources of these anomalies would be some distance "up ice" from the anomalies, the potential of some target areas, such as T-C3 and T-C8, have not been fully explored. Furthermore,' many of the 1990 trenches were less than 30 m long, which is too short when seeking an anomaly source the location of which is known only to be "up ice".

RECOMMENDATIONS FOR FURTHER EXPLORATION

Central and North Grids:

1. Sample basal till and bedrock along the unexplored portions of the amphibolite gneiss- quartz monzonite contact by reverse circulation drilling of 100 m spaced fences, each consisting of five holes spaced 25 m apart. The purpose would be to identify geochemical dispersion trains and ultimately, by fill-in drilling, to locate trench or diamond drill targets. To investigate 3500 m of contact would require approximately 7000 ft. of drilling in 175 holes each 40 ft long. At $700 per hole this would cost about $125,000, exclusive of analytical and camp costs.

2. Sample basal till and bedrock on the "up ice" side of Au soil anomalies in target areas C3, C7, C8, C9 and C13 by local close spaced grids of 25 reverse circulation drill holes per area. The purpose would be to trace the source of the anomalies. This would cost about $17,000 per area or about $85,000 for the five areas, exclusive of analytical and camp costs.

3. Sample basal till and bedrock northwest of T-C1 by reverse circulation drilling of 9 holes spaced 25 m on each of lines 7600N, 7700N and 7800N. Several till samples anomalous in gold were collected from this area in 1990. Together with the 1989 anomalous soil samples in T-C1 they suggest a discontinuous linear pattern running from 7100N to 7900N.

Note also that a previous trench in this area uncovered large fragments of pyritic quartz, three samples of which ran 405 ppb, 585 ppb and 680 ppb in gold. Given that gold mineralization can occur in schist zones in quartz monzonite, T-C1 remains a valid target, eventhough it lies well east of the quartz monzonite contact. Thirty six holes in this area would cost about $25,000 exclusive of analytical and camp costs.

<u>South Grid:</u>

Except for T-S1, which was investigated by drill holes 90-1, 2 and 3, the south grid target areas identified by the 1989 program remain valid in the light of information gathered in 1990, and still warrant investigation.

Respectfully Submitted,

PROFESSIONAL
PROVINCE OF
W. G. SMITHERINGALE
BRITISH COLUMBIA
ENGINEER

W. G. Smitheringale, Ph.D., P.Eng.

SMITHERINGALE GEOLOGICAL LTD.

October 31, 1990

CERTIFICATE

I, William G. Smitheringale, hereby certify that:

I am a practising Professional Geological Engineer, resident at 4611 Hoskins Road, North Vancouver, B.C.

I am a graduate of the University of British Columbia with the degree of Geological Engineer (B.Ap.Sc., 1955) and of the Massachusetts Institute of Technology with the degree of Doctor of Philosophy in Geology (Ph.D., 1962).

I have practised my profession continuously for twenty eight years as Geologist with the Geological Survey of Canada, as Assistant and Associate Professor, Department of Geology, Memorial University of Newfoundland and, since 1974, as a Consulting Geologist.

I am a member in good standing of the Association of Professional Engineers of the Province of British Columbia (Registration No. 10802).

PROFESSIONAL PROVINCE OF W. G. SMITHERINGALE BRITISH COLUMBIA ENGINEER

W.G. SMITHERINGALE, Ph.D., P.Eng.

October 31, 1990

Trench 90-15

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IDEN6B0201 V239 TR90-15      16AUG90 MD   LEPKAUG90225   DALGRD  0.0
IPRJ      PDI/GERLE GOLD                        MCCONNELL CK PROPERTY
S000   00   166 MT   16.6  84.5  12.0                11652.0    9644.0    1340.0
/SCL        MT.2
LSCL                     LCTM
/NAM                                                      CLSESICAEPCCPYCPGL
LNAM                                                      LIHEPLMC    SLMGGD
R               THIS TRENCH WAS EXCAVATED TO TEST FOR A CHLORITIC SCHIST ZONE
R               HOSTING QZ VEIN. (AU 55 PPB).
R               OVBD DEPTH AVERAGES 2 M. CONSISTING OF 30 CM. B-HORIZON, 2 M.
R               OF LODGEMENT TILL; WEATHERED BEDROCK DEPTH TO 1.3 M.
R               BEDROCK RISES GENTLY FROM WEST - EAST WITH SOME HUMPS.
/      00    46        OVBD                P
/      46   166        QZDRAMPF   FGF3     P FO150   P+E)P3<(    <+<+
L                          GAQZ    VN      6 6   VQ 73 70<=<+C+
R               GREENISH-GREY FINE GRAINED SILICEOUS QZ-DR WITH WEAK FOLIATION.
R               TEXTURE PARTLY OBLITERATED BY INTENSE SILIC. BUT APPEARS FINE
R               GRAINED AND WEAKLY FOLIATED; FINE GRAINS OF AMPH. AND PLAG.
R               QZ STRINGERS AND VEINLETS OCCUR THROUGHOUT ALONG WITH QZ
R               FLOODING.
R               MINOR CHLOR-SER-CARB ALT. IN FRACTURES AND ALONG VEIN CONTACTS.
R               FRACTURING IS MODERATE-INTENSE WITH JOINT SET AT 60 AND 165 DEG.
R               PY OCCURS AS F.F.,DISS. AND BLEBS ~2-3%; CP OCCURS AS F.F.,DISS.
R               AND BLEBS ~ 1-2%.
R               3.9 - 4.4 : 4 CM. QZ VEIN STRIKING 73 DEG DIPPING 70 DEG NW.;
R                          MINOR DISS. PY (SAMPLED OVER 0.5 M.)
R               13.6 : PROMINENT HUMP IN BEDROCK CAUSED BY VERY SILICEOUS QZDR.
R               15.0 : PROMINENT HUMP IN BEDROCK BORDERED BY CONTORTED CHLORITE
R                      SCHIST HOSTING QZ VEINS AND LENSES (1-3 CM.) WITH
R                      SCHISTOSITY STRIKING ~120 DEG.
R               15.0 - 16.6 : INTENSELY ALTERED QZ DIORITE DISPLAYING CHARACTER-
R                             ISTICS OF FAULT BRECCIA? STRONG SILICA FLOODING
R                             WITH EPIDOTIZED AND HLORITIZED FRAGMENTS;
R                             QZ LENSES AND NODULES; DISS. PY UP TO 2%.
R                              FRACTURING AT 50 AND 145 DEG.
R               END OF TRENCH
A001
AUMM            LNG SAMPLE   AU1    AU    CU    PB    ZN    CA     K%    NA%    FE%
R                            ppb   ppm   ppm   ppm   ppm    %      %      %      %
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
R      00    46 NO SAMPLES - OVBD
A001   46    66      14620  20.0         165     1    69  0.80   0.43   0.02   4.61
A001   66    86      14621   2.5          99     2    57  0.81   0.49   0.04   4.19
A001   86   106      14622   5.0         119     1    46  0.83   0.21   0.04   3.19
A001  106   126      14623   2.5         119     1    52  1.14   0.32   0.11   3.64
A001  126   146      14624   2.5         158     1    64  0.84   0.23   0.04   4.52
A001  146   166      14625   2.5         130     1    62  1.61   0.24   0.05   3.78
A002
AUMM            LNG SAMPLE   AU1    AU    CU    PB    ZN    CA     K%    NA%    FE%
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R                                ppb    ppm    ppm    ppm    ppm     %      %      %      %
ALAB             PDI RESEARCH
ATYP           STRUCRURE SAMPLES
AMTH             WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A002    39    44       53913     2.5           51      1     26   0.60   0.18   0.07   1.78
R                4 CM. QZ VEIN WHITE, MASSIVE, BRITTLE WITH MINOR DISS. PY;
R                STRIKING 073 DEG, DIPPING 070 DEG NW.
A004
AUMM                   SAMPLE     BI     CD     CO     CR     AG     BA     MO     NI      W
R                                ppm    ppm    ppm    ppm    ppm    ppm    ppm    ppm    ppm
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             ICP
A004    46    66       14620       1   0.10     22     57   0.05     69      4     15    2.5
A004    66    86       14621       1   0.05     19     98   0.05     88      5     16    2.5
A004    86   106       14622       1   0.05     17     79   0.05     66      9     19    2.5
A004   106   126       14623       1   0.05     19    100   0.05     88      7     24    2.5
A004   126   146       14624       1   0.05     19     80   0.05     77      5     25    2.5
A004   146   166       14625       1   0.10     24    131   0.05     34      5     26    2.5
R         STRUCRURE SAMPLES
A004    39    44       53913       1   0.10      9    138   0.05     65      7      9    2.5
R                4 CM. QZ VEIN WHITE, MASSIVE, BRITTLE WITH MINOR DISS. PY;
R                STRIKING 073 DEG, DIPPING 070 DEG NW.
A005
AUMM                   SAMPLE     LA     TH     SC     AS     SB     HG     MN     SR
R                                ppm    ppm    ppm    ppm    ppm    ppm    ppm    ppm
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             ICP
A005    46    66       14620       3      5      5    5.0    2.5    1.5    993     47
A005    66    86       14621       4      5      4    5.0    2.5    1.5    823     41
A005    86   106       14622       3     14      3    2.5    2.5    1.5    371     44
A005   106   126       14623       3      5      4    2.5    2.5    1.5    359     68
A005   126   146       14624       3      5      4    2.5    2.5    1.5    519     34
A005   146   166       14625       1      5      6    2.5    6.0    1.5    907     66
R         STRUCRURE SAMPLES
A005    39    44       53913       2      5      1    2.5    2.5    1.5    324     28
R                4 CM. QZ VEIN WHITE, MASSIVE, BRITTLE WITH MINOR DISS. PY;
R                STRIKING 073 DEG, DIPPING 070 DEG NW.
A006
AUMM                   SAMPLE    AL%    MG%     P%     TI      V     ZR
R                                 %      %      %      %    ppm    ppm
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             ICP
A006    46    66       14620    2.78   2.23   0.08   0.13  100.0    0.5
A006    66    86       14621    2.45   1.86   0.10   0.13   88.0    1.0
A006    86   106       14622    1.71   1.07   0.07   0.11   42.0    1.0
A006   106   126       14623    2.24   1.12   0.07   0.14   55.0    1.0
A006   126   146       14624    2.24   1.47   0.07   0.11   46.0    1.0
A006   146   166       14625    2.76   1.81   0.07   0.19   86.0    4.0
R         STRUCRURE SAMPLES
A006    39    44       53913    1.06   0.68   0.03   0.06   32.0    0.5
R                4 CM. QZ VEIN WHITE, MASSIVE, BRITTLE WITH MINOR DISS. PY;
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R STRIKING 073 DEG, DIPPING 070 DEG NW.

R TRENCH OVERBURDEN PROFILE SAMPLE DATA

	SAMPLE/LOCATION		DEPTH	AG	AS	AU	CU	PB	ZN
R			cm	ppm	ppm	ppb	ppm	ppm	ppm
R									
R	TR90-15	0.0MA	20	0.1	4	2.5	72	4	54
R	TR90-15	0.0MB	180	0.1	7	2.5	33	4	35
R	TR90-15	10.0MA	30	0.2	7	2.5	195	5	44
R	TR90-15	10.0MB	70	8.0	5	2.5	191	150	55
R	TR90-15	10.0MC	140	0.1	8	2.5	81	6	37
R	TR90-15	16.0MA	30	0.1	4	5	36	5	40
R	TR90-15	16.0MB	120	0.1	2	10	157	2	125
R	TR90-15	16.0MC	240	0.1	5	15	198	2	65

/END

Trench 90-17

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IDEN6B0201 V239 TR90-17     15AUG90 MD   LEPKAUG90225   DALGRD  0.0
IPRJ      PDI/GERLE GOLD                       MCCONNELL CK PROPERTY
S000   00   310 MT   67.0  93.5   8.0               10597.0    9711.0    1420.0
S001  310   670      67.0  89.5   6.0
/SCL        MT.2
LSCL                       LCTM
/NAM                                                      CLSESICAEPCCPYCPGL
LNAM                                                      LIHEPLMC    SLMGGD
R               THIS TRENCH WAS DUG TO TEST MULTIPLE PB GEOCHEM ANOMALIES.
R               OVBD DEPTH VARIES FROM 20 CM. TO 1 M.; B-HORIZON OVERLYING TILL.
R               BEDROCK SHOWS UNDULATING SURFACE; WEATHERING LAYER UP TO 1 M.
R               DEEP.
/      00    70        OVBD                  P
/      70   498        QZMZFXAMKF+BKMG       P FO180   *+P1P=<.C)  D+  D(
L                          TAQZBI)F3PP    4 4   VQ160 50<)O+
R               TAN-GREY (WITH PINKISH HUE), MASSIVE BLOCKY, WEAKLY PORPHYRITIC
R               AND FOLIATED, M.G. K-SPAR PORPHYRY OF MONZO-DIORITE COMP.
R               10 % MAFICS (HORNB?)IN A M.G. FELDSPAR MATRIX WITH LESSER QZ <5%
R               WITH OCCASIONAL K-SPAR PHENOS (UP TO 0.75 CM.).
R               ALTERATION IS WEAK AND CONSISTS OF PARTIAL SERIC. OF MATRIX,
R               SOMETIMES SPOTTY.
R               MODERATE FRACTURING WITH JOINT SET AT 70 AND 185 DEG.
R               WEAK FOLIATION AT ~180 DEG. DISPLAYED BY MAFIC GRAINS.
R               NARROW QZ VEINS WITH ALTERED AND SHEARED CONTACTS CROSS-CUTTING
R               TRENCH.
R               PY OCCURS AS FINE DISS. AND LESSER CLOTS ~ 1-2% THROUGHOUT.
R               14.0 - 17.0 : FLOODED.
R               25.0 - 29.0 : FLOODED.
R               31.0 - 31.5 : LIGHT GREY SILICEOUS ZONE ~ 0.5 M. WIDE WITH 1-2%
R                             DISS. PY.
R               35.8 - 36.0 : 4 CM. QZ VEIN, WHITE, MASSIVE WITH ~ 1% SPARSELY
R                             DISS. PY CUBES; CONTACTS ARE INTENSELY SHEARED,
R                             ALTERED AND RUSTY (1-2 CM.) STRIKING 150 DEG.
R                             DIPPING 40 DEG NE.
R               45.3 - 45.7 : 4 CM. QZ VEIN  HOSTED BY 20 CM. WIDE RUSTY SERI-
R                             CITIC SCHIST; DISS. PY AND CLOTS OF CL. < 1%,
R                             STRIKING 175 DEG. DIPPING 60 DEG E. OCCASIONAL
R                             IRREGULAR SHAPED MAFIC FRAGMENTS (UP TO 2 CM.)
R                             PARTLY CHLORITIC; SOME LARGE INCLUSIONS OF AMPH.
R                             GNEISS.
R               49.8 : SHEARED AND ALTERED CONTACT BETWEEN KFPP AND MZDR HYBRID
R                      UNIT; CONTACT STRIKING 115 DEG.
/     498   542        MZHYFXAMXE2XEMX       P C/135 60C+P1P+<(<+  D)
L                          ANQZ   FFBN                 <+0)
R               GREY-BLACK, MASSIVE WEAKLY ALTERED, XENOLITHIC MOZONITIC/AMPHIB-
R               OLITIC HYBRID UNIT.
R               WEAKLY BANDED DISPLAYING INCLUSIONS OF DARK GREEN F.G. AMPH.
R               (~70% MAFICS, 30%PLAG/QZ) AND INCLUSIONS OF KFPP AS DESCRIBED
R               ABOVE. WEAK ALTERATION, SOME CHLOR. AND EPID. OF MAFICS, LESSER
R               EPID. AS F.F.; WEAK SER OF PLAG., < 1 CM. QZ VEINS SCATTERED
R               < 1% DISS. PY THROUGHOUT.
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R                51.0 : PROMINENT HUMP IN BEDROCK.
R                54.2 : CONTACT WITH CHLORITIC SCHIST; INTENSELY SHEARED AND
R                       ALTERED, STRIKING 135 DEG. AND DIPPING 60 DEG. NE.
/      542   562        CLS#CLSEQZ+SCVN        P S#130 65P7P2N+<+    D)
L                           TGPF   FD      5 8   VQ130 65<=
R                TAN-GREEN, RUSTY, WEAKLY FOLDED CHLOR-SER-CARB SCHIST INTRUDED
R                BY QZ VEIN.
R                SHISTOSITY ROUGHLY 130 DEG, DIPPING 65 DEG NE; WEAK FOLDING
R                GIVES CONTORTED APPEARANCE.
R                LIMONITIC ALTERATION ALONG FRACTURES THROUGHOUT, <1% DISS. PY.
R                SOME KFPP INTRUDED INTO CHLOR. SCHIST; JOINT SET AT 130 & 50 DEG
R                55.5 - 56.2 : SER-CARB(-CHLOR) SCHIST HOSTING QZ VEIN; VERY
R                              RUSTY.
R                55.8 - 56.0 : 2 CM. QZ VEIN STRIKING 130 DEG, DIPPING 65 DEG NE;
R                              WHITE, MASSIVE, UNMINERALIZED.
/      562   670        QZMZFXAMKF+BKMG        P F0180   C+P1P=<.C)  D+
L                           TAQZBI)F3PP    4 4   VQ140 65<)O+
R                SAME AS INTERVAL 7.0 - 49.8 M.
R                57.9 - 58.1 : 2 CM. QZ VEIN HOSTED BY ALTERED RUSTY 45 CM. WIDE
R                              SER-CARB(-CHLOR) SCHIST, WHITE, MASSIVE, UNMIN.
R                              STRIKING 140 DEG. DIPPING 65 DEG NE.
R                61.4 - 67.0 : FLOODED.
R                65.4 : 4 CM. WIDE INTENSELY ALTERED RUSTY GOUGE (SHEAR?)
R                       STRIKING 160 DEG, DIPPING 20 DEG; VISIBLE ALONG
R                       TRENCHWALL
R                END OF TRENCH
A001
AUMM             LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                             ppb   ppm   ppm   ppm   ppm    %     %     %     %
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
R       00    70 NO SAMPLES - OVBD, WATER.
R                SAMPLES TAKEN EVERY SECOND INTERVAL.
A001    70    90      14626   2.5           7     6    21  0.24  0.35  0.13  1.13
A001   110   130      14627   2.5           5    11    16  0.27  0.25  0.08  0.92
A001   150   170      14628   2.5           7     4    11  0.15  0.24  0.07  0.78
A001   190   210      14629   2.5          11     7    32  0.57  0.43  0.08  1.51
A001   230   250      14630   2.5           7     5    38  0.46  0.54  0.08  1.80
R      250   290 NO SAMPLES - OVBD, WATER
A001   290   310      14631   2.5           7    11    26  0.45  0.31  0.07  0.94
A001   327   347      14632   2.5           6     2    34  0.38  0.36  0.11  1.34
A001   347   367      14633   2.5           5     5    22  0.26  0.33  0.08  1.17
A001   387   407      14634   2.5           5     6    22  0.43  0.38  0.10  0.91
A001   425   440      14635   2.5           6     9    35  0.44  0.45  0.08  1.69
A001   440   460      14636 155.0          17   430    12  0.23  0.28  0.07  0.79
A001   480   498      14637 280.0          17     7    35  0.58  0.46  0.10  1.78
A001   498   518      14638   2.5          33     4    49  1.06  0.33  0.08  2.54
A001   518   532      14639   2.5          31     3    59  0.83  0.60  0.06  3.31
A001   532   555      14640  10.0          23     4    86  0.74  0.49  0.04  5.12
A001   555   575      14641 230.0           8     6    38  0.30  0.35  0.08  2.12
A001   575   593      14642  70.0           8     8    21  0.21  0.30  0.08  0.94
A001   593   614      14643 210.0           3     3    17  0.23  0.31  0.10  0.83
R      614   670 NO SAMPLES - OVBD, WATER.
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A002
AUMM              LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                              ppb   ppm   ppm   ppm   ppm    %     %     %     %
ALAB              PDI RESEARCH
ATYP            STRUCTURE SAMPLES
AMTH              WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A002  358   360       14644  70.0          6     5     4  0.08  0.05  0.02  0.67
R                 4 CM. QZ VEIN, RUSTY WITH SHEARED AND ALTERED CONTACT, STRIKING
R                 150 DEG, DIPPING 40 DEG NE. (1.7 M. SAMPLE) PY.
A002  453   457       146451220.0          9  1044    10  0.10  0.17  0.02  0.94
R                 4 CM. QZ VEIN IN RUSTY SER-CHLOR SCHIST 20 CM. WIDE (INTENSE
R                 CLAY ALTERATION); 175 DEG STRIKE, 60 DEG DIP E. (2 M. SAMPLE)
R                 WITH PY, GL.
A002  493   502       14646  30.0         11     7    59  0.74  0.45  0.10  2.38
R                 CONTACT QZMZ AND AMPH/QZMZ HYBRID, STRIKING 115 DEG; SHEARED
R                 AND ALTERED; ( 2.3 M. SAMPLE).
A002  541   545       14647 250.0         34    11    68  0.33  0.46  0.04  4.12
R                 ALTERED, SHEARED AND RUSTY CONTACT ALONG CHLORITIC SCHIST;
R                 STRIKING 135 DEG; DIPPING 60 DEG NE. (2.8 M. SAMPLE).
A002  558   560       14648  90.0         16     5    76  0.19  0.28  0.02  3.92
R                 2 CM. QZ VEIN HOSTED BY 25 CM. WIDE RUSTY SER-CHLOR SCHIST;
R                 STRIKING 130 DEG; 65 DEG DIP NE. (1.8 M. SAMPLE).
A002  579   581       14649  80.0          8    22    26  0.16  0.25  0.04  0.97
R                 2 CM. QZ VEIN HOSTED BY 45 CM. WIDE RUSTY INTENSELY ALTERED
R                 SER-CHLOR SCHIST STRIKING 140 DEG; 65 DEG. DIP NE. (2 M. SAMPLE)
A003
AUMM              LNG SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                              ppb   ppm   ppm   ppm   ppm    %     %     %     %
ALAB              PDI RESEARCH
ATYP            GRAB SAMPLES
AMTH              WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A003  420   421       14650   2.5          2     2    11  0.05  0.17  0.02  0.62
R                 QZ VEIN MATERIAL: FLOAT?
A004
AUMM                  SAMPLE    BI    CD    CO    CR    AG    BA    MO    NI     W
R                              ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB              PDI RESEARCH
ATYP              CHIP SAMPLES
AMTH              ICP
A004   70    90       14626      1  0.10     3   145  0.20   113     4     7   2.5
A004  110   130       14627      1  0.10     3   104  0.20    91     3     6   2.5
A004  150   170       14628      1  0.05     3    82  0.10    81     3     5   2.5
A004  190   210       14629      1  0.20     7    81  0.05    89     2    10   2.5
A004  230   250       14630      6  0.20    10    97  0.05   106     2    21   2.5
R     250   290 NO SAMPLES - OVBD, WATER
A004  290   310       14631      1  0.05     4    84  0.10   101     4     9   2.5
A004  327   347       14632      1  0.05     5    95  0.20    78     3     5   2.5
A004  347   367       14633      1  0.05     4    92  0.10   104     2     6   2.5
A004  387   407       14634      1  0.10     4    92  0.30   108     3     8   2.5
A004  425   440       14635      1  0.30     8    95  0.10   110     2    18   2.5
A004  440   460       14636      2  0.30     3   117  0.60   139     3     6   2.5
A004  480   498       14637      1  0.20    11   102  0.20   103     3    18   2.5
A004  498   518       14638      1  0.20    22   126  0.20    53     2    46   2.5
A004  518   532       14639      1  0.60    22   118  0.05    79     2    50   2.5
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A004  532   555      14640     1  1.10     29   208  0.10    76     3    88   2.5
A004  555   575      14641     1  0.50     13    96  0.10   124     3    21   2.5
A004  575   593      14642     1  0.10      3    85  0.10   117     3     6   2.5
A004  593   614      14643     1  0.05      3    82  0.10   104     2     5   2.5
R     614   670 NO SAMPLES - OVBD, WATER.
R        STRUCTURE SAMPLES
A004  358   360      14644     1  0.05      2   211  0.10    71     6     9   2.5
R               4 CM. QZ VEIN, RUSTY WITH SHEARED AND ALTERED CONTACT, STRIKING
R               150 DEG, DIPPING 40 DEG NE. (1.7 M. SAMPLE) PY.
A004  453   457      14645     2  0.10      3   172  1.90    57     6     8   2.5
R               4 CM. QZ VEIN IN RUSTY SER-CHLOR SCHIST 20 CM. WIDE (INTENSE
R               CLAY ALTERATION); 175 DEG STRIKE, 60 DEG DIP E. (2 M. SAMPLE)
R               WITH PY, GL.
A004  493   502      14646     2  0.30     15   112  0.10    95     3    31   2.5
R               CONTACT QZMZ AND AMPH/QZMZ HYBRID, STRIKING 115 DEG; SHEARED
R               AND ALTERED; ( 2.3 M. SAMPLE).
A004  541   545      14647     1  0.80     26   151  0.10    91     4    58   2.5
R               ALTERED, SHEARED AND RUSTY CONTACT ALONG CHLORITIC SCHIST;
R               STRIKING 135 DEG; DIPPING 60 DEG NE. (2.8 M. SAMPLE).
A004  558   560      14648     1  0.90     27   140  0.10   106     5    53   2.5
R               2 CM. QZ VEIN HOSTED BY 25 CM. WIDE RUSTY SER-CHLOR SCHIST;
R               STRIKING 130 DEG; 65 DEG DIP NE. (1.8 M. SAMPLE).
A004  579   581      14649     1  0.30      4   111  0.20   108     3     8   2.5
R               2 CM. QZ VEIN HOSTED BY 45 CM. WIDE RUSTY INTENSELY ALTERED
R               SER-CHLOR SCHIST STRIKING 140 DEG; 65 DEG. DIP NE. (2 M. SAMPLE)
R        GRAB SAMPLES
A004  420   421      14650     1  0.05      2   272  0.10    68     6    14   2.5
R               QZ VEIN MATERIAL: FLOAT?
A005
AUMM                 SAMPLE    LA    TH    SC    AS    SB    HG    MN    SR
R                             ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            ICP
A005   70    90      14626     4     5     1   2.5   2.5   1.5   506    39
A005  110   130      14627     4     5     1   2.5   2.5   1.5   501    35
A005  150   170      14628     4     5     1   2.5   2.5   1.5   530    26
A005  190   210      14629     4     5     2   2.5   2.5   1.5   644    63
A005  230   250      14630     4     5     2   5.0   7.0   1.5   642    83
R     250   290 NO SAMPLES - OVBD, WATER
A005  290   310      14631     5     5     1   6.0   2.5   1.5   439    66
A005  327   347      14632     3     5     1   2.5   2.5   1.5   434    84
A005  347   367      14633     5     5     1   2.5   2.5   1.5   517    42
A005  387   407      14634     4     5     1   2.5   2.5   1.5   467    57
A005  425   440      14635     4     5     2   2.5   2.5   1.5   759    78
A005  440   460      14636     5     5     1   2.5   2.5   1.5   481    51
A005  480   498      14637     4     5     2   2.5   2.5   1.5   548    76
A005  498   518      14638     3     5     4   5.0   2.5   1.5   667   105
A005  518   532      14639     4     5     7   5.0   2.5   1.5   882    71
A005  532   555      14640     5     5    15   7.0   6.0   1.5  1235    66
A005  555   575      14641     8     5     2   2.5   2.5   1.5   891    43
A005  575   593      14642     5     5     1   2.5   2.5   1.5   517    36
A005  593   614      14643     4     5     1   2.5   2.5   1.5   521    36
R     614   670 NO SAMPLES - OVBD, WATER.
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R       STRUCTURE SAMPLES
A005  358   360       14644     1     5     1   2.5   2.5   1.5   118    18
R                 4 CM. QZ VEIN, RUSTY WITH SHEARED AND ALTERED CONTACT, STRIKING
R                 150 DEG, DIPPING 40 DEG NE. (1.7 M. SAMPLE) PY.
A005  453   457       14645     3     5     1   2.5   2.5   1.5   183    20
R                 4 CM. QZ VEIN IN RUSTY SER-CHLOR SCHIST 20 CM. WIDE (INTENSE
R                 CLAY ALTERATION); 175 DEG STRIKE, 60 DEG DIP E. (2 M. SAMPLE)
R                 WITH PY, GL.
A005  493   502       14646     4     5     2   2.5   2.5   1.5   820   125
R                 CONTACT QZMZ AND AMPH/QZMZ HYBRID, STRIKING 115 DEG; SHEARED
R                 AND ALTERED; ( 2.3 M. SAMPLE).
A005  541   545       14647     9     5     9   2.5   2.5   1.5  1545    32
R                 ALTERED, SHEARED AND RUSTY CONTACT ALONG CHLORITIC SCHIST;
R                 STRIKING 135 DEG; DIPPING 60 DEG NE. (2.8 M. SAMPLE).
A005  558   560       14648     8     5     4   2.5   2.5   1.5  1597    26
R                 2 CM. QZ VEIN HOSTED BY 25 CM. WIDE RUSTY SER-CHLOR SCHIST;
R                 STRIKING 130 DEG; 65 DEG DIP NE. (1.8 M. SAMPLE).
A005  579   581       14649     7     5     1   2.5   2.5   1.5   573    23
R                 2 CM. QZ VEIN HOSTED BY 45 CM. WIDE RUSTY INTENSELY ALTERED
R                 SER-CHLOR SCHIST STRIKING 140 DEG; 65 DEG. DIP NE. (2 M. SAMPLE)
R       GRAB SAMPLES
A005  420   421       14650     1     5     1   2.5   2.5   1.5   132     8
R                 QZ VEIN MATERIAL: FLOAT?
A006
AUMM                  SAMPLE   AL%   MG%    P%    TI     V    ZR
R                                %     %     %     %   ppm   ppm
ALAB              PDI RESEARCH
ATYP              CHIP SAMPLES
AMTH              ICP
A006   70    90       14626  0.77  0.15  0.03  0.01  18.0   1.0
A006  110   130       14627  0.54  0.11  0.03  0.01  12.0   0.5
A006  150   170       14628  0.49  0.06  0.03  0.00   9.0   1.0
A006  190   210       14629  0.90  0.47  0.05  0.04  30.0   1.0
A006  230   250       14630  1.15  0.87  0.06  0.08  36.0   1.0
R     250   290 NO SAMPLES - OVBD, WATER
A006  290   310       14631  0.68  0.27  0.04  0.02  13.0   1.0
A006  327   347       14632  0.79  0.35  0.05  0.06  23.0   1.0
A006  347   367       14633  0.69  0.20  0.05  0.02  17.0   1.0
A006  387   407       14634  0.68  0.26  0.03  0.02  12.0   1.0
A006  425   440       14635  1.12  0.74  0.05  0.04  35.0   1.0
A006  440   460       14636  0.50  0.07  0.04  0.00   6.0   0.5
A006  480   498       14637  1.21  0.91  0.06  0.07  39.0   1.0
A006  498   518       14638  1.89  1.98  0.07  0.13  61.0   2.0
A006  518   532       14639  2.24  2.30  0.07  0.11  88.0   1.0
A006  532   555       14640  3.46  3.55  0.07  0.06 127.0   1.0
A006  555   575       14641  0.90  0.29  0.05  0.01  19.0   1.0
A006  575   593       14642  0.71  0.11  0.04  0.01  10.0   0.5
A006  593   614       14643  0.61  0.12  0.04  0.01  11.0   0.5
R     614   670 NO SAMPLES - OVBD, WATER.
R       STRUCTURE SAMPLES
A006  358   360       14644  0.15  0.03  0.01  0.00   2.5   0.5
R                 4 CM. QZ VEIN, RUSTY WITH SHEARED AND ALTERED CONTACT, STRIKING
R                 150 DEG, DIPPING 40 DEG NE. (1.7 M. SAMPLE) PY.
A006  453   457       14645  0.36  0.07  0.02  0.00  10.0   0.5
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R              4 CM. QZ VEIN IN RUSTY SER-CHLOR SCHIST 20 CM. WIDE (INTENSE
R              CLAY ALTERATION); 175 DEG STRIKE, 60 DEG DIP E. (2 M. SAMPLE)
R              WITH PY, GL.
A006  493  502     14646  1.86  1.60  0.06  0.11  49.0   1.0
R              CONTACT QZMZ AND AMPH/QZMZ HYBRID, STRIKING 115 DEG; SHEARED
R              AND ALTERED; ( 2.3 M. SAMPLE).
A006  541  545     14647  2.15  1.73  0.07  0.04  77.0   1.0
R              ALTERED, SHEARED AND RUSTY CONTACT ALONG CHLORITIC SCHIST;
R              STRIKING 135 DEG; DIPPING 60 DEG NE. (2.8 M. SAMPLE).
A006  558  560     14648  0.69  0.23  0.06  0.00  19.0   1.0
R              2 CM. QZ VEIN HOSTED BY 25 CM. WIDE RUSTY SER-CHLOR SCHIST;
R              STRIKING 130 DEG; 65 DEG DIP NE. (1.8 M. SAMPLE).
A006  579  581     14649  0.63  0.11  0.03  0.01   9.0   1.0
R              2 CM. QZ VEIN HOSTED BY 45 CM. WIDE RUSTY INTENSELY ALTERED
R              SER-CHLOR SCHIST STRIKING 140 DEG; 65 DEG. DIP NE. (2 M. SAMPLE)
R        GRAB SAMPLES
A006  420  421     14650  0.30  0.17  0.01  0.01   5.0   0.5
R              QZ VEIN MATERIAL: FLOAT?
R                 TRENCH OVERBURDEN PROFILE SAMPLE DATA
R       SAMPLE/LOCATION  DEPTH   AG    AS    AU    CU    PB    ZN
R                         cm    ppm   ppm   ppb   ppm   ppm   ppm
R
R       TR90-17  25.0MA   20    0.1     4   2.5    20     8   107
R       TR90-17  25.0MB   90    0.1     1    20    23     6    50
R       TR90-17  35.0MA   15    0.1     1    30    20    13    57
R       TR90-17  35.0MB   80    0.1     2    20    20    12    34
R       TR90-17  45.0MA   20    0.2     2   2.5    44    75    82
R       TR90-17  45.0MB  110    0.3     1    65    19   177    51
R       TR90-17  55.0MA   20    0.2     7    20    23    21    75
R       TR90-17  55.0MB  120    0.2     4   450    22    48    83
R       TR90-17  63.0MA   20    0.2     1     5    14    12    50
R       TR90-17  63.0MB  100    0.1     3   2.5    13    10    44
/END
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Trench 90-18

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IDEN6B0201V239  TR90-18  NQ 17AUG90 MD   LEPKAUG90225   DALGRD  0.0
IPRJ      PLACER DOME INC                          MCCONNELL CREEK
S000   00   200 MT   37.0  77.5   5.0            10635.0    9750.0    1420.0
S001  200   370      37.0  77.5  -8.0
/SCL        MT.2
LSCL                      LCTM
/NAM                                                         CLSESICAEPCCPYCPGLBO
LNAM                                                         LIHEPLMC     SLMGGD
R                THIS TRENCH WAS EXCAVATED TO TEST Pb GEOCHEM ANOMALIES POSSIBLY
R                INDICATING UNDERLYING STRUCTURES
R                OVBD DEPTH VARIES FROM 10 CM TO 0.5 M, THIN B-HORIZON OVERLYING
R                TILL; WEATHERING PENETRATION 20-30 CM.  BEDROCK IS GENTLY
R                ROLLING.
/      00   106         QZMZFXAMKF+BKMG        P FP180   C+P1P=<.C)  D)
L                           TAQZBI)F3PP    4 4   C/155 82<)O+
R                SIMILAR TO HOST ROCK IN TR90-17
R                TAN-GREY (W. PINKISH HUE), MASSIVE, BLOCKY, WEAKLY PORPH. &
R                FOZIATED, M.G. K-SPAR PORPHYRY OF MONZO-DIORITIC COMP. ^10%
R                MAFICS (HORNB?) IN A M.G. FELDSPAR MATRIX W. ^5% QZ. OCCASIONAL
R                K-SPAR PHENOS (UP TO 0.75 CM)
R                ALT. IS WEAK, CONSISTING OF SER. OF PLAG, PERV. SILIC, PARTIAL
R                CHLOR & EPID. OF MAFICS
R                HEMN. CAUSES REDDISH HUE THROUGHOUT AND SOME MAFICS ARE
R                COMPLETELY STAINED.  MODERATE FRACTURING; JOINT SET @ 130
R                DEGREES & 40 DEGREES // 135 DEGREES & 25 DEGREES
R                WEAK FOLIATION AT 180 DEGREES DISPLAYED BY MAFICS
R                PY OCCURS AS FINE DISS ^1%
R                10.6-11.1: CONTACT; ALT'D, SHEARED TO CHLORITIC SCHIST, RUSTY,
R                STRIKING 155 DEGREES, DIPPING 83 DEGREES NE
R                DISS PY 2-3%, HOSTING NARROW 1 CM QZ VEIN
/     106   165         AMGNHBPFBI1F5FG        P FO120   <+P=>+<.>+  D*
L                           4AQZ   FFBN    33    C/154 80<)
R                DARK GREY, MASSIVE F.G. AMPHICOLITE GNEISS WITH INCLUSIONS AND
R                VEINLETS OF MONZO-DIORITE
R                ALTERATION IS WEAK AND CONSISTS OF EPIDOT BLOTCHES AND FRACT.
R                FILLINGS WITH LESSER QZ, CHLOR, CARB; SER ACT OF PLAG IS MINOR
R                WEAK TO MODERATE FOLIATION STRIKING 120 DEGREES; PY OCCURES AS
R                DISS <1%
R                WEAK FRACTURING WITH JOINT SET AT 40 DEGRES AND 85 DEGREES
R                ROCK DISPLAYS INCREASE IN INTRUSIVE INCLUSIONS CONTENT NEAR
R                CONTACTS
/     165   175         CLS#CLSEPF+SCVV        P         P5P2P2<=    D+
L                           GAQZ                         <+
R                GREENISH-GREY, RUSTY, STRONGLY SCHISTED, PARTIALLY SILIC'D
R                CHLOR-SER (CARB) SCHIST HOSTING NARROW QZ VEIN
R                SCHISTOSITIY ROUGHLY STRIKING 154 DEGREES DIPPING 80 DEGRESS NE
R                ALT. CONSISTS OF STRONG SILIC. IN LAST 0.5 M OF INTERV. & WEAKER
R                CARB. F.F.
R                LIM. ALT. ALONG FRACT. GIVES RUSTY APPEARANCE
R                PY OCCURS DISS THROUGHOUT ^2-3% & ALONG QZ VEIN CONTACTS
/     175   370         QZMZFXAMKF+BKMG        P FO180   C+P1P=<.C)  D)
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L                    TAQZBI)F3PP                   <)0+
R             SAME UNIT AS INTERVAL 0.0 - 12.2 M; MOD. FRACT'G WITH JOINT SET
R             AT 90 DEGREES & 130 DEGREES
R             20.0 PROMINENT HUMP IN BEDROCK FOLLOWING CHLOR-SER SCHIST
R             24.0 - 31.0 FLOODED
R             32.0 CK CROSSING
R             END OF TRENCH
R             2.0 M CHIP SAMPLES
A001
AUMM                 SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                             ppb   ppm   ppm   ppm   ppm     %     %     %     %
ALAB          PDI RESEARCH
ATYP          CHIP SAMPLES
AMTH          WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A001   00   20    14651    10           5     3    17  0.27  0.27  0.08  0.83
A001   20   34    14652   2.5           9     5    27  0.39  0.40  0.08  0.98
A001   34   46    14653   2.5           4     9    67  0.53  1.04  0.08  2.33
A001   46   66    14654   2.5           8    30    42  0.27  0.48  0.06  1.41
A001   85  107    14655   2.5           9     5    57  0.58  0.46  0.07  2.33
A001  107  125    14656     5          34     4    85  0.59  0.73  0.06  5.28
A001  125  146    14657   2.5          17     1    38  1.34  0.41  0.11  2.41
A001  146  163    14658   2.5          21     2    56  1.03  1.06  0.11  3.04
A001  163  184    14659    20          24    11    59  1.39  0.50  0.04  3.85
A001  184  204    14660    10           5   145    13  0.29  0.21  0.06  0.87
A001  204  224    14661   2.5           7     9    17  0.25  0.31  0.11  0.94
A001  224  240    14662    55           6    25    29  0.26  0.24  0.06  1.08
R             240 - 370 UNSAMPLED
R             66 - 85 UNSAMPLED
A002
AUMM                           AU   AU1    CU    PB    ZN    CA    K%   NA%   FE%
R                             ppm   ppb   ppm   ppm   ppm     %     %     %     %
ALAB          PDI RESEARCH
ATYP         STRUCTURE SAMPLES
AMTH          WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A002  107  110    14663   2.5          16     5    75  0.35  0.39  0.06  3.98
R             2.0M CHIP ALONG CHLORITIC SCHIST ZONE STRIKING 155 DEGREES,
R             DIPPING 82 DEGREES NE, 203% DISS PY, 1 CM WIDE QZ VEIN
A002  159  166    14664   2.5          16     2    89  0.72  1.00  0.02  6.29
R             2.1M CHIP CHLOR-SER-CARB SCHIST, STRIKING 154 DEGREES, DIPPING
R             80 DEGREES NE
A002  106  111    53914   2.5          24     3    74  0.40  0.36  0.04  4.58
R             0.5M CHIP ACROSS SAME CHLOR. SCHIST AS SAMPLED IN 14663
A002  165  175    53915   2.5          28     5    71  2.97  0.47  0.02  5.14
R             1.2M CHIP ACROSS SAME CHLOR-SER-CARB SCHIST AS 14664
A004
AUMM                 SAMPLE    BI    CD    CO    CR    AG    BA    MO    NI     W
R                             ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm
ALAB          PDI RESEARCH
ATYP          CHIP SAMPLES
AMTH          ICP
A004   00   20    14651     1  0.20    19   117  0.05    25     1    31   2.5
A004   20   34    14652     1  0.05     5   102  0.10   117     3    12   2.5
A004   34   46    14653     1  0.80    14   180  0.05   158     3    50   2.5
A004   46   66    14654     2  0.20     7   112  0.10   101     4    18   2.5
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A004	85	107	14655	1	0.10	9	95	0.05	94	3	21	2.5
A004	107	125	14656	1	1.10	33	256	0.05	84	4	95	2.5
A004	125	146	14657	1	0.30	22	157	0.05	64	2	64	2.5
A004	146	163	14658	1	0.50	23	188	0.05	120	3	63	2.5
A004	163	184	14659	1	0.60	26	190	0.10	107	3	82	2.5
A004	184	204	14660	1	0.20	3	67	0.20	95	2	5	2.5
A004	204	224	14661	1	0.10	3	92	0.10	121	2	6	2.5
A004	224	240	14662	1	0.10	4	75	0.20	85	2	6	2.5
R	240 - 370 UNSAMPLED											
R	66 - 85 UNSAMPLED											
R	STRUCTURE SAMPLES											
A004	107	110	14663	1	0.60	16	114	0.05	80	2	38	2.5
R	2.0M CHIP ALONG CHLORITIC SCHIST ZONE STRIKING 155 DEGREES,											
R	DIPPING 82 DEGREES NE, 203% DISS PY, 1 CM WIDE QZ VEIN											
A004	159	166	14664	1	1.40	50	480	0.10	102	3	203	2.5
R	2.1M CHIP CHLOR-SER-CARB SCHIST, STRIKING 154 DEGREES, DIPPING											
R	80 DEGREES NE											
A004	106	111	53914	1	0.70	23	180	0.05	66	2	63	2.5
R	0.5M CHIP ACROSS SAME CHLOR. SCHIST AS SAMPLED IN 14663											
A004	165	175	53915	1	0.80	34	295	0.05	69	3	127	2.5
R	1.2M CHIP ACROSS SOME CHLOR-SER-CARB SCHIST AS 14664											
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
ALAB	PDI RESEARCH											
ATYP	CHIP SAMPLES											
AMTH	ICP											
A005	00	20	14651	3	5	1	2.5	2.5	1.5	318	62	
A005	20	34	14652	4	5	1	2.5	2.5	1.5	536	60	
A005	34	46	14653	6	5	4	8.0	9.0	1.5	1200	51	
A005	46	66	14654	4	5	2	2.5	2.5	1.5	749	39	
A005	85	107	14655	6	5	2	2.5	2.5	1.5	865	69	
A005	107	125	14656	4	5	17	5.0	6.0	1.5	1354	39	
A005	125	146	14657	1	5	6	2.5	5.0	1.5	523	78	
A005	146	163	14658	3	5	8	2.5	5.0	1.5	822	76	
A005	163	184	14659	5	5	9	5.0	2.5	1.5	1242	109	
A005	184	204	14660	5	5	1	2.5	2.5	1.5	457	33	
A005	204	224	14661	5	5	1	2.5	2.5	1.5	527	39	
A005	224	240	14662	3	5	1	2.5	2.5	1.5	438	36	
R	240 - 370 UNSAMPLED											
R	66 - 85 UNSAMPLED											
R	STRUCTURE SAMPLES											
A005	107	110	14663	6	5	7	2.5	2.5	3.0	1098	36	
R	2.0M CHIP ALONG CHLORITIC SCHIST ZONE STRIKING 155 DEGREES,											
R	DIPPING 82 DEGREES NE, 203% DISS PY, 1 CM WIDE QZ VEIN											
A005	159	166	14664	3	5	25	2.5	10.0	1.5	1410	56	
R	2.1M CHIP CHLOR-SER-CARB SCHIST, STRIKING 154 DEGREES, DIPPING											
R	80 DEGREES NE											
A005	106	111	53914	6	5	11	2.5	2.5	1.5	1232	30	
R	0.5M CHIP ACROSS SAME CHLOR. SCHIST AS SAMPLED IN 14663											
A005	165	175	53915	5	5	16	2.5	6.0	1.5	1282	184	
R	1.2M CHIP ACROSS SAME CHLOR-SER-CARB SCHIST AS 14664											
A006												
AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR			

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R                              %      %      %      %     ppm    ppm
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            ICP
A006   00    20      14651  0.52   0.20   0.03   0.03   12.0    1.0
A006   20    34      14652  0.73   0.30   0.04   0.02   12.0    1.0
A006   34    46      14653  1.67   1.45   0.05   0.08   40.0    1.0
A006   46    66      14654  0.94   0.56   0.04   0.03   22.0    1.0
A006   85   107      14655  1.27   0.99   0.08   0.04   33.0    1.0
A006  107   125      14656  3.67   4.30   0.07   0.12  152.0    1.0
A006  125   146      14657  1.98   2.23   0.06   0.14   65.0    2.0
A006  146   163      14658  2.33   2.66   0.05   0.14   81.0    2.0
A006  163   184      14659  2.12   2.42   0.06   0.05   68.0    1.0
A006  184   204      14660  0.44   0.09   0.03   0.00    7.0    1.0
A006  204   224      14661  0.64   0.14   0.03   0.01   11.0    0.5
A006  224   240      14662  0.59   0.16   0.04   0.01   13.0    1.0
R               240 - 370 UNSAMPLED
R               66 - 85 UNSAMPLED
R        STRUCTURE SAMPLES
A006  107   110      14663  2.30   2.13   0.09   0.05   71.0    1.0
R               2.0M CHIP ALONG CHLORITIC SCHIST ZONE STRIKING 155 DEGREES,
R               DIPPING 82 DEGREES NE, 203% DISS PY, 1 CM WIDE QZ VEIN
A006  159   166      14664  5.87   7.64   0.06   0.18  176.0    1.0
R               2.1M CHIP CHLOR-SER-CARB SCHIST, STRIKING 154 DEGREES, DIPPING
R               80 DEGREES NE
A006  106   111      53914  2.61   2.74   0.08   0.04  100.0    1.0
R               0.5M CHIP ACROSS SAME CHLOR. SCHIST AS SAMPLED IN 14663
A006  165   175      53915  3.09   4.13   0.07   0.05  113.0    0.5
R               1.2M CHIP ACROSS SAME CHLOR-SER-CARB SCHIST AS 14664
R                  TRENCH OVERBURDEN PROFILE SAMPLE DATA
R       SAMPLE/LOCATION  DEPTH    AG     AS     AU     CU     PB     ZN
R                          cm     ppm    ppm    ppb    ppm    ppm    ppm
R
R       TR90-18   0.0MA    50     0.2     4     10     27      8     41
R       TR90-18  10.0MA    10     0.3     1     2.5    19     13     91
R       TR90-18  10.0MB    50     0.2     5     85     45     13     60
R       TR90-18  20.0MA    10     0.3     8     80     21     13     39
R       TR90-18  35.0MA    30     0.2     5     10     13      8     37
R       TR90-18  35.0MB   110     0.4     1     2.5    52     16     97
/END
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Trench 90-19

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IDEN6B0201V239  TR90-19  NQ 17AUG90 MD   LEPKAUG90225   DALGRD  0.0
IPRJ      PLACER DOME INC                       MCCONNELL CREEK
S000   00     40 MT   31.0  77.5  -4.0                 9502.0   9406.0     1455.0
S001   40    140      31.0  77.5  -4.0
/SCL        MT.2
LSCL                          LCTM
/NAM                                                      CLSESICAEPCCPYCPGLBO
LNAM                                                      LIHEPLMC    SLMGGD
R               THIS TRENCH DUG TO TEST A SPOT GOLD-IN-SOIL ANOMALY (455 PPB)
R               OVBD DEPTH VARIES FROM 20CM (EATERN SIDE) TO 1.5M (WESTERN
R               SIDE)> B-HORIZ, TILL, WHEATHERED ROCK (^0.5M)
R               BEDROCK RISES SHARPLY FROM W-E FOR FIRST 14.0M AS IT CROSSES
R               A PROMINENT RIDGE THEN FALLS GENTLY TO A BOGGY AREA
/      00   310        AMGNHBPFBI+F3FG        P FO140   P1P=<+<)<+  D)
L                          5AQZ   BNBK          D/022 72<+0)
R               MEDIUM GREY WEAKLY FOLIATED, F.G. AMPHIBOLITE GNEISS
R               ROCK DOMINATED BY F.G., GREY AMPHIBOLITE CONSISTING OF GRAINS
R               OF HORNB. ^50% & LESSER LPAG ^30%; INTERCALATING WITH BANDS
R               AND LENSES OF MORE FELSIC, F.G. -M.G. QZ DIORITE, PARTIALLY
R               SER. & EPID.
R               FRACT. FILLING BY QZ-EPID. WITH LESSER CHLOR & CARB. JOINT SET
R               AT 10 DEGREES & 75 DEGREES
R               AMPHIBOLITE OCCASIONALLY DISPLAYS XENOCRYSTS OF HORNB. UP TO
R               0.5 CM
R               WEAK FOLIATION @ 140 DEGREES PARALLELING BANDING AND VEINING
R               PY OCCURS AS SPARSE DISS ^1%
R               0.0 - 3.0 : INCREASED PERV. CHLORITIC ALT. OBLITERATING
R               ORIGINAL TEXT.; PROMINENT HUMP AND 1.5 M
R               6.5 - 79 : STRONGLY FOLIATED ZONE STRIKING 150 DEGREES DIPPING
R               70 DEGREES NE
R               CARBONACEOUS, QZ STRINGERS, ^ 1-2% DISS PY
R               10.0 - 12.0 : VERY SHARP RISE IN BEDROCK; JOINT SET AT 45
R               DEGREES AND 145 DEGREES; INTENSELY FRACTURED ROCK
R               7.5 - 16.0 : INCREASE IN QZDR CONTENT; OCCASIONAL C.G. AMPHIB.
R               LENSES; JOINT SET AT 165 DEGREES AND 70 DEGREES, MOD. FRACTURED
R               AND BLOCKY
R               16.0 - 31.0 : VERY F.G. AMPHIBOLITE WITH DECREASE IN QZDR
R               CONTENT; JOINT SET AT 75 DEGREES AND 185 DEGREES; WEAK
R               FOLIATION
R               17.0 - 18.5 : QZ/FELDS. PEGMATITIC DYKE (4CM) STRIKING 45
R               DEGREES, DIPPING 45 DEGREES SE
R               29.4 - 30.4: 4CM WIDE PEGMATITE DYKE (QZ/FELSPAR) STRIKING 22
R               DEGREES, DIPPING 72 DEGREES EAST
R               END OF TRENCH
R               2.0M CHIP SAMPLES TAKEN EVERY FOUR METRES
A001
AUMM                SAMPLE   AU1    AU    CU    PB    ZN    CA    K%   NA%   FE%
R                            ppb   ppm   ppm   ppm   ppm    %     %     %     %
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
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A001	00	20	14665	30		30	2	61	1.11	0.23	0.06	4.28
A001	40	60	14666	2.5		47	2	63	0.97	0.26	0.06	4.36
A001	80	100	14667	2.5		32	3	47	1.38	0.16	0.08	3.04
A001	120	140	14668	2.5		29	1	46	1.12	0.17	0.10	3.08
A001	160	180	14669	2.5		47	1	46	0.99	0.09	0.07	3.16
A001	200	220	14670	2.5		32	1	35	0.97	0.20	0.13	2.62
A001	240	260	14671	2.5		51	1	35	0.95	0.42	0.12	2.64
A001	260	280	14672	2.5		73	1	31	0.96	0.36	0.15	2.55
A001	280	300	14673	2.5		49	1	35	0.88	0.15	0.11	2.45
R			300 - 310 UNSAMPLED									
A002												
AUMM			SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%
R				ppb	ppm	ppm	ppm	ppm	%	%	%	%
ALAB			PDI RESEARCH									
ATYP			STRUCTURE SAMPLES									
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST									
A002	282	283	14674	2.5		87	1	37	1.01	0.25	0.10	2.42
A002	294	304	14675	2.5		19	2	11	0.40	0.06	0.11	1.01
R			4CM PEGMATITE VEIN OF C.G. QZ/FELDSPAR, STRIKING 22 DEGREES,									
R			DIPPING 72 DEGREES EAST									
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A004	00	20	14665	1	0.60	28	53	0.10	66	2	26	2.5
A004	40	60	14666	1	0.70	31	49	0.10	46	2	28	2.5
A004	80	100	14667	1	0.20	23	55	0.05	40	2	20	2.5
A004	120	140	14668	1	0.40	25	55	0.05	44	2	21	2.5
A004	160	180	14669	1	0.40	25	40	0.05	34	2	19	2.5
A004	200	220	14670	1	0.30	22	47	0.05	52	2	25	2.5
A004	240	260	14671	1	0.20	24	47	0.20	94	1	26	2.5
A004	260	280	14672	1	0.10	23	49	0.05	93	1	26	2.5
A004	280	300	14673	1	0.20	19	61	0.10	50	3	25	2.5
R			300 - 310 UNSAMPLED									
R			STRUCTURE SAMPLES									
A004	282	283	14674	1	0.20	17	53	0.10	71	2	20	2.5
A004	294	304	14675	1	0.05	7	123	0.10	35	4	10	2.5
R			4CM PEGMATITE VEIN OF C.G. QZ/FELDSPAR, STRIKING 22 DEGREES,									
R			DIPPING 72 DEGREES EAST									
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A005	00	20	14665	1	5	6	2.5	2.5	1.5	728	43	
A005	40	60	14666	1	5	6	6.0	2.5	1.5	828	44	
A005	80	100	14667	2	5	5	6.0	2.5	1.5	644	64	
A005	120	140	14668	1	5	5	2.5	2.5	1.5	547	46	
A005	160	180	14669	2	5	4	6.0	2.5	1.5	565	54	
A005	200	220	14670	1	5	5	2.5	2.5	1.5	431	33	
A005	240	260	14671	1	5	4	2.5	2.5	1.5	380	32	

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A005  260   280        14672     2      5      4   2.5    2.5    1.5   353     34
A005  280   300        14673     1      5      3   5.0    2.5    1.5   398     46
R                300 - 310 UNSAMPLED
R                STRUCTURE SAMPLES
A005  282   283        14674     2      5      3   2.5    2.5    1.5   358     71
A005  294   304        14675     2      5      1   2.5    2.5    1.5   156     32
R                4CM PEGMATITE VEIN OF C.G. QZ/FELDSPAR, STRIKING 22 DEGREES,
R                DIPPING 72 DEGREES EAST
A006
AUMM                  SAMPLE   AL%    MG%     P%     TI      V     ZR
R                               %      %      %      %     ppm    ppm
ALAB             PDI RESEARCH
ATYP             CHIP SAMPLES
AMTH             ICP
A006   00    20        14665  2.89   2.50   0.08   0.14   95.0   1.0
A006   40    60        14666  3.19   3.01   0.08   0.14  100.0   1.0
A006   80   100        14667  2.53   2.10   0.09   0.15   73.0   2.0
A006  120   140        14668  2.43   2.16   0.07   0.16   75.0   2.0
A006  160   180        14669  2.39   2.10   0.08   0.13   66.0   2.0
A006  200   220        14670  2.03   1.92   0.06   0.12   64.0   1.0
A006  240   260        14671  2.01   1.85   0.07   0.14   65.0   1.0
A006  260   280        14672  1.93   1.70   0.07   0.13   64.0   1.0
A006  280   300        14673  1.98   1.61   0.08   0.10   52.0   1.0
R                300 - 310 UNSAMPLED
R                STRUCTURE SAMPLES
A006  282   283        14674  2.07   1.61   0.11   0.12   53.0   1.0
A006  294   304        14675  0.86   0.48   0.04   0.04   21.0   1.0
R                4CM PEGMATITE VEIN OF C.G. QZ/FELDSPAR, STRIKING 22 DEGREES,
R                DIPPING 72 DEGREES EAST
R                   TRENCH OVERBURDEN PROFILE SAMPLE DATA
R        SAMPLE/LOCATION  DEPTH    AG     AS     AU     CU     PB     ZN
R                           cm    ppm    ppm    ppb    ppm    ppm    ppm
R
R        TR90-19   0.0MA    30    0.4      1    2.5    157     10     62
R        TR90-19   0.0MB   100    0.4      1    2.5    101      8     50
R        TR90-19   0.0MC   180    0.3      7    2.5     38      5     35
R        TR90-19  10.0MA    30    0.2      4    2.5     33      5     48
R        TR90-19  10.0MB    75    0.1      1    2.5     67      4     57
R        TR90-19  10.0MC   120    0.2      1    2.5     50      6     57
R        TR90-19  20.0MA    15    0.2      5     30     27      6     46
R        TR90-19  30.0MA    20    0.2      2    2.5     21      7     45
R        TR90-19  30.0MB    75    0.1     11    2.5     29      6     32
R        TR90-19  30.0MC   110    0.2      3     10     33      5     31
/END
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Trench 90-20

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IDEN6B0201V239  TR90-20     18AUG90 MD   LEPKAUG90225   DALGRD  0.0
IPRJ      PLACER DOME INC                         MCCONNELL CREEK
S000   00   100 MT   45.0  84.5  20.0                    9445.0    9326.0    1450.0
S001  100   220      45.0  77.5  04.0
S002  220   450      45.0  89.5  12.0
/SCL        MT.2
LSCL                    LCTM
/NAM                                                         CLSESICAEPCCPYCPGLBO
LNAM                                                         LIHEPLMA    SLMGGD
R               THIS TRENCH WAS DUG TO TEST A VLF CONDUCTOR AND SPOT GOLD SOIL
R               ANOMALY (60PPB) AND A CHLORITE SCHIST ZONE
R               OVBD DEPTH VARIES FROM 0.1M TO 0.9M (10.0-45.0M) AND FROM 0.5
R               TO 2.0M (0.0-10.0M)
R               BEDROCK RISES SHARPLY FOR FIRST 10.0M THEN RISES GENTLY TO
R               45.0M; OBVIOUS HOLE WITH CONTACT AREA (ABOUT 22.0M)
/      00   180        QZDRHBPFKF+CGF3        P F0165   <+P)<(O+
L                           AGQZBI+BK      5 5           <)C)          D)
R               GREYISH-GREEN, BLOCHY, WEAKLY FOLIATED, C.G. QZ DIORITE
R               2-3MM GRAINS 40% MAFICS (HORNBLEND WITH LESSER GIOTITE) ABOUT
R               50% PLAG AND QZ WITH LESSER KF
R               ALTERATION IS WEAK CONSITING OF CHLOR AND BIOTITE ALTERATION
R               OF MAFICS; WEAK EPID. OF PLAG. AND LESSER SER; TRACES OF
R               CARB F.F.
R               FRACTURING MODERATE WITH JOINT SET AT 85 DEGREES AND 165
R               DEGREES
R               TRACE OF DISS PY
R               6.0 - 10.0: SHARP RISE IN BEDROCK
R               15.5 - 16.0: 0.5M SHEAR ZONE? WEAK WITH FOLIATION AT 115
R               DEGREES
R               17,9: GRADAT'AL CONTACT WITH AMPHIBOLITE GN. ROCK HAS
R               HORNFELSED APPEARANCE F.G., SILICEOUS, EPIDOTIZED, INTENSELY
R               FRACTURED
/     180   450        AMGNHBPFKF+FGF5        P F0145   P+P=  <)<=    D)
L                           4A1Z   BNPB    4  6  D/075 45<)
R               DARK GREY, MODERATELY FOLIATED, WEAKLY BANDED AMPHIBOLITE GNEISS
R               FINE GRAINED TO MEDIUM GRAINED HORNBLEND XTALS WITH OCCASIONAL
R               HORNBLEND
R               PORPHYROBLASTS (3MM); LESSER PLAG. (WEAKLY SR.) AND QZ; MINOR
R               BIOTITE ALTERATION OF MAFICS
R               QZ ALSO AS NODULES (ABOUT 2-3%) ELONGATED ALONG FOLIATION PLANE;
R               MODERAT FOLIATION AT 145 DEGREES
R               EPIDOT AND QUARTZ FRACTURE FILLING (LESSER LENSES)
R               TRACES OF DISSEMINATED PYRITE
R               18.0 - 21.0: HORNFELSED CONTACT WITH INTENSE FRACTURING (LOINT
R               SET AT 75 DEGREES AND 178 DEGREES) WEAK LAMINATION, SILICIFIED,
R               EPIDOTIZED 1-2% DISSEMINATED PYRITE
R               26.0: 4CM M.G. MONZONITE DYKE STRIKING 45 DEGREES, DIPPING 45
R               DEGREES NORTH, MINOR DISSEMINATED PYRITE
R               31.0-45.0: INCREASED FRACTURING; JOINT SET AT 150 DEGREES AND
R               85 DEGREES AND DECREASE IN FOLIATION INTENSITY, MORE OCCURENCES
R               OF HB PORPHYROBLASTS
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R			END OF TRENCH									
R			0.0 - 10.0 UNSAMPLED									
A001												
AUMM			SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%
R				ppb	ppm	ppm	ppm	ppm	%	%	%	%
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST									
A001	100	120	14676	2.5		17	1	51	0.93	1.07	0.11	2.92
A001	140	160	14677	2.5		4	1	58	0.91	1.21	0.08	3.50
A001	160	180	14678	2.5		4	1	62	1.11	0.70	0.08	3.95
A001	180	200	14679	2.5		40	1	22	1.39	0.23	0.06	1.92
A001	220	240	14680	2.5		90	1	36	1.19	0.33	0.07	2.88
A001	240	260	14681	2.5		64	1	46	1.05	0.55	0.15	3.06
A001	280	300	14682	2.5		58	1	50	0.97	0.20	0.07	3.76
A001	320	340	14683	2.5		57	1	49	0.98	0.23	0.10	3.79
A001	340	380	14684	2.5		41	1	41	0.79	0.14	0.08	3.36
A001	400	420	14685	2.5		57	1	42	0.72	0.08	0.07	3.26
A001	440	450	14686	2.5		64	1	37	0.84	0.11	0.06	2.71
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A004	100	120	14676	1	0.20	17	52	0.10	86	2	20	2.5
A004	140	160	14677	1	0.30	22	63	0.10	162	2	24	2.5
A004	160	180	14678	1	0.60	25	46	0.05	116	2	29	2.5
A004	180	200	14679	1	0.10	22	44	0.05	50	2	12	2.5
A004	220	240	14680	1	0.20	26	71	0.10	46	2	25	9.0
A004	240	260	14681	1	0.40	26	105	0.05	56	1	38	2.5
A004	280	300	14682	1	0.60	28	81	0.10	32	1	34	2.5
A004	320	340	14683	1	0.60	29	80	0.10	32	2	41	2.5
A004	340	380	14684	1	0.30	25	64	0.05	29	2	33	2.5
A004	400	420	14685	1	0.40	26	141	0.05	20	2	75	2.5
A004	440	450	14686	1	0.40	24	85	0.05	24	2	36	7.0
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A005	100	120	14676	6	5	3	2.5	2.5	1.5	573	158	
A005	140	160	14677	6	5	3	2.5	2.5	1.5	668	171	
A005	160	180	14678	5	5	4	7.0	2.5	1.5	753	163	
A005	180	200	14679	3	5	3	2.5	2.5	1.5	446	122	
A005	220	240	14680	2	5	5	5.0	2.5	1.5	488	77	
A005	240	260	14681	1	5	7	5.0	2.5	1.5	549	49	
A005	280	300	14682	1	5	4	5.0	2.5	1.5	622	50	
A005	320	340	14683	1	5	5	10.0	2.5	1.5	655	36	
A005	340	380	14684	1	5	5	2.5	2.5	1.5	530	28	
A005	400	420	14685	1	5	4	5.0	5.0	1.5	534	30	
A005	440	450	14686	1	5	3	2.5	2.5	1.5	441	36	
A006												

AUMM			SAMPLE	AL%	MG%	P%	TI	V	ZR
R				%	%	%	%	ppm	ppm
ALAB			PDI RESEARCH						
ATYP			CHIP SAMPLES						
AMTH			ICP						
A006	100	120	14676	1.84	1.42	0.13	0.15	72.0	1.0
A006	140	160	14677	2.21	1.64	0.15	0.16	81.0	1.0
A006	160	180	14678	2.55	2.10	0.18	0.14	88.0	2.0
A006	180	200	14679	1.54	0.72	0.10	0.14	54.0	3.0
A006	220	240	14680	1.96	1.39	0.06	0.18	78.0	3.0
A006	240	260	14681	2.13	1.95	0.04	0.18	93.0	2.0
A006	280	300	14682	2.80	2.53	0.08	0.16	80.0	1.0
A006	320	340	14683	2.99	2.67	0.06	0.17	89.0	1.0
A006	340	380	14684	2.34	2.12	0.06	0.16	79.0	1.0
A006	400	420	14685	2.53	2.58	0.05	0.12	72.0	1.0
A006	440	450	14686	1.87	1.60	0.06	0.12	50.0	1.0

R TRENCH OVERBURDEN PROFILE SAMPLE DATA

R	SAMPLE/LOCATION		DEPTH	AG	AS	AU	CU	PB	ZN
R			cm	ppm	ppm	ppb	ppm	ppm	ppm
R									
R	TR90-20	0.0MA	25	0.2	7	2.5	35	9	47
R	TR90-20	0.0MB	120	0.1	6	2.5	37	7	40
R	TR90-20	0.0MC	180	0.1	6	2.5	37	6	60
R	TR90-20	10.0MA	15	0.2	4	2.5	41	7	49
R	TR90-20	10.0MB	70	0.2	1	2.5	57	6	40
R	TR90-20	20.0MA	30	0.3	1	2.5	18	4	52

/END

Trench 90-21

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IDEN6B0201V239  TR90-21  NQ 17AUG90 MD   LEPKAUG90225   DALGRD  0.0
IPRJ       PLACER DOME INC                         MCCONNELL CREEK
S000   00    80 MT   98.0 104.5  -2.0                     9453.0   9372.0     1455.
S001   80   170             99.5 -18.0
S002  170   380            109.5   0.0
S003  380   530             91.5  25.0
S004  530   590             84.5   4.0
S005  590   680             84.5 -15.0
S006  680   980             84.5 - 5.0
/SCL        MT.2
LSCL                        LCTM
/NAM                                                          CLSESICAEPCCPYCPGLBO
LNAM                                                          LIHEPLMC    SLMGGD
R               THIS TRENCH WAS DUG TO TEST A WEAK Au-Cu GEOCHEM AND COINCIDENT
R               VLF CONDUCTOR
R               OVBD DEPTH VARIES FROM 0.2-2.0M CONSISTING OF A B-HORIZONE
R               OVERLYING LODGMENTTILC; WHEATERED BEDROCK UP TO 1.0M DEEP
R               BEDROCK DISPLAYS A SERIES OF GENTLE TO STEEP RISES, HUMPS OCCUR
R               AT ROCK RIDGE AND THROUGHS WHERE SCHIST ZONES OCCUR.
/      00    14        CLS#CLSEPF+SCFG         P S#130 60P6P2
L                           AGQZ          58            <1
R               GREYISH-GREEN, MODERATE STRONGLY SCHISTED CHLORITE SCHIST,
R               STRONGLY OXYDIZED
R               PREDOMINANTLY CHLOR. ABOUT 60% WITH LESSER SERIC., LIMINITE
R               COATINGS AND SPOTS THROUGHOUT ABOUT 10-15% SCHISTOSITY ABOUT
R               130 DEGREES INTENSE GRACTURING WITH JOINT SET AT 130 DEGREES
R               AND 15 DEGREES
/      14   115        AMGNHBPF   NDMG         P FO150    P=P=<+  <+  D)
L                           AGQZ   PBF3    3 5              <+
R               GREYISH-GREEN, NONDESCRIPT BLOCKY MEDIUM GRAINED AMPHIBOLITE
R               GNEISS CONSISTING OF ABOUT 60% MAFICS (1-2MM HORNBLEND) WITH
R               ABOUT 10-15% HORNBLEND PORPHYROBLASTS (304MM), LESSOR
R               PLAGIOCLASE AND QUARTZ.  QUARTZ DIORITE BANDS (UP TO 3CM) AND
R               LENSES OCCUR IRREGULARLY DISTRIBUTED
R               QUARTZ LENSES AND FEINLETS OCCUR THROUGHOUT 203% SOMETIMES
R               CONTAINING MINOR DISSEMINATEE PYRITE
R               WEAK FOLIATION STRIKING ABOUT 150 DEGREES; MODERAT FRACTURING
R               WITH JOINT SET AT 155 DEGREES AND 70 DEGREES
R               WEAK ALTERATION CONSISTS OF PERV. CHLOR. SER. FRACTURE
R               FILLINGS ARE HEALED BY QUARTZ-EPIDOTE PLAGIOCLASE SOMETIMES
R               CARRYING MINOR DISSEMINATED PYRITE
R               5.2 - 7.2: PROMINENT HUMP IN BEDROCK
R               7.2-11.5: INCREASE IN FRACTURE INTENSITY
/     115   164        CLS#CLSEPF+SC           P S#130    P6P1V+<1    D)
L                           AGQZ          4 8               <=
R               SIMILAR TO INTERVAL 0.0 - 1.4 M
R               STRONG CHLORITIC-CARBONATE ALTERATION LOCALLY OXYDIZED
R               QUARTZ VEINLETS (UP TO 1CM) AND LENSES IRREGULAR THROUGHOUT
R               (ABOUT 203%) PARALLEL TO SCHISTOSITY; JOINT SET AT 130 DEGREES
R               AND 40 DEGREES, MINOR DISSEMINATED PYRITE
/     164   235        AMGNHBPFBI+NDFG         P FO150    P=P=>+  >+  D)
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L                         AGQZ   F3PB    3 5          <+
R              SIMILAR TO INTERVAL 1.4 - 11.5> NONDESCRIPT BLOCKY, FINE
R              GRAINED AMPHIBOLITE GNEISS
R              18.0 - 19.0: INTENSELY ALTERED CHLORITIC SCHIST; VERY WEATHERED
R              AND BRITTLE
/     235   295      CLS#CLSEPF+SC          P S#160   P6P1V+<1    D)
L                         AGQZ           4 8          <=
R              SIMILAR TO INTERVAL 11.5 - 16.4M
R              23.5 - 34.2: FLOODED
/     295   980      AMGNHBPFBI+NDFG        P FO150   P=P=>+  >+  D)D.D(
L                         AGQZ   F3PB    3 5          <+<)
R              SIMILAR TO INTERVAL 16.4 TO 23.5M >FINE GRAINED TO MEDIUM
R              GRAINED, NONDESCRIPT, MASSIVE, BLOCKY AMPHIBOLITE GNEISS
R              36.0 : PROMINENT HUMP IN BEDROCK
R              38.0 - 57.6: STEEP RISE IN BEDROCK
R              62.0 : PROMINENT HUMP IN BEDROCK > RIDGE TOP
R              62.0 - 68.0: STEEP DROP IN BEDROCK
R              76.0 - 98.0: FLOODED
R              WATER AND MUD HAS OBLITERATED BEDROCK EXPOSURE BUT
R              PIECES FROM MUCK PILES INDICATE CHLOR-CARB SCHIST ZONE HOSTING
R              NARROW QUARTZ VEINLETS AND LENSES (IN PLACES QUARTZ HAS BEEN
R              INJECTED IN ROCK) CONTAINING MINOR AMOUNTS OF DISSEMINATED
R              PY-GL-CP
A001
AUMM               SAMPLE  AU1   AU    CU    PB    ZN    CA    K%    NA%   FE%
R                          ppb   ppm   ppm   ppm   ppm   %     %     %     %
ALAB           PDI RESEARCH
ATYP           CHIP SAMPLES
AMTH           WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A001   00    14    14687  2.5          54     1    74  0.56  0.28  0.06  5.14   CLSH
A001   14    32    14688  2.5          39     1    30  1.04  0.06  0.06  2.72
A001   32    52    14689  2.5          48     1    36  1.23  0.10  0.08  2.71
R              52 - 72 UNSAMPLED
A001   72    88    14690  2.5          50     1    23  1.40  0.11  0.05  1.98   AMGN
A001   88    96    14691  2.5          74     1    39  1.52  0.23  0.08  3.26
A001   96   115    14692  2.5          54     1    77  1.82  0.41  0.04  4.72
A001  115   135    14693  2.5          89     1    52  0.92  0.30  0.05  4.08
A001  135   150    14694 50.0         105     2    76  2.17  0.18  0.02  5.98   CLSH
A001  150   164    14695  2.5          94     3    75  2.98  0.17  0.02  5.72
A001  164   180    14696  2.5          47     2    36  1.32  0.18  0.12  2.56
A001  180   192    14697  2.5          46     1    37  0.80  0.28  0.07  2.85   AMGN
A001  192   210    14698  2.5          42     1    36  1.04  0.20  0.10  2.71
R              210 - 235 UNSAMPLED
A001  235   255    14699  2.5          42     1    38  1.21  0.36  0.12  2.55
A001  255   275    14700  2.5          44     3    48  1.00  0.29  0.10  3.44   CLSH
A001  275   295    14701  2.5          29     1    56  1.19  0.28  0.07  3.78
R              295 - 312 UNSAPLED
A001  312   322    14702  2.5          52     1    61  1.52  0.17  0.04  4.73
A001  322   342    14703  2.5          57     2    51  0.92  0.18  0.07  3.81
A001  342   360    14704  2.5          21     1    37  1.29  0.26  0.11  2.81
R              UNSAMPLED                                                     AMGN
R              SAMPLES TAKEN EVERY 4M
A001  380   400    14705  2.5          31     1    41  1.31  0.17  0.08  3.16
A001  420   440    14706  2.5          38     2    62  1.06  0.19  0.06  4.48
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A001	460	480	14707	2.5		34	1	50	1.07	0.17	0.06	3.23	
A001	500	520	14708	2.5		40	1	53	1.19	0.24	0.10	3.77	
A001	537	557	14709	2.5		23	1	48	1.17	0.15	0.07	3.51	
A001	577	597	14710	2.5		25	1	53	1.22	0.17	0.07	3.47	
A001	617	638	14711	2.5		36	1	33	1.08	0.16	0.12	2.48	AMGN
A001	659	679	14712	2.5		68	2	35	1.10	0.13	0.11	2.87	
A001	699	720	14713	2.5		65	1	45	1.03	0.20	0.10	3.12	
A001	720	740	14714	2.5		71	2	50	1.21	0.15	0.10	3.44	
A001	740	760	14715	2.5		38	1	43	1.22	0.18	0.11	3.17	
A001	760	780	14716	2.5		113	1	46	1.06	0.11	0.06	3.27	
R			780 - 900 A003 GRAB SAMPLES COLLECTED FROM MUCK PILES BESIDE										
R			TRENCH										
A001	900	920	14723	2.5		68	1	36	1.80	0.27	0.10	2.55	

A003												
AUMM			SAMPLE	AU1	AU	CU	PB	ZN	CA	K%	NA%	FE%
R				ppb	ppm	ppm	ppm	ppm	%	%	%	%
ALAB			PDI RESEARCH									
ATYP			GRAB SAMPLES									
AMTH			WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST									
R			GRAB SAMPLES TAKEN FROM MUCK PILE BESIDE TRENCH DUE TO									
R			EXCESS OVERBURDEN AND WATER IN TRENCH (ANG. FRAGS COLLECTED)									
A003	780	800	14717	2.5		69	2	29	1.36	0.26	0.08	2.44
A003	800	820	14718	2.5		23	1	40	1.31	0.41	0.08	2.70
A003	820	840	14719	2.5		42	1	33	1.55	0.29	0.12	2.50
A003	840	860	14720	2.5		38	1	32	1.89	0.26	0.12	2.37
A003	860	880	14721	2.5		42	1	28	1.39	0.20	0.12	2.16
A003	880	900	14722	2.5		70	1	32	1.28	0.19	0.12	2.33
R			90.0 - 92.0 A001 CHIP SAMPLE TAKEN ACROSS 0.5M EXPOSED BEDROCK									
A003	920	940	14724	2.5		52	1	35	1.21	0.23	0.10	2.48
A003	940	960	14725	15.0		47	1	30	1.17	0.23	0.10	2.30
R			96.0 - 98.0 UNSAMPLED									
A003	960	980	14726	30.0		15	2	29	4.51	0.14	0.04	3.04
R			CHLOR-SER-CARB SCHIST GRAB									
A003	780	780	53918	15.0		262	135	55	8.10	0.28	0.02	4.54
R			CHOR-CARB SCHIST WITH QUARTZ LENSES HOSTING GALENA-PYRITE									
R			CLOTS 1-2%									
A003	130	130	53919	20.0		424	50	54	8.12	0.26	0.01	4.59
R			QUARTZ VEIN IN A RUSTY CHLORITIC-SERICITIC SCHIST HOSTING									
R			CLOTS OF PY-CP ABOUT 2-3%									
A003	630	640	53920	2.5		178	4	50	1.52	0.70	0.06	4.05
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A004	00	14	14687	1	0.70	32	138	0.05	37	7	59	2.5
A004	14	32	14688	1	0.30	22	74	0.05	18	3	35	2.5
A004	32	52	14689	1	0.30	26	125	0.05	21	2	45	2.5
R			52 - 72 UNSAMPLED									
A004	72	88	14690	1	0.30	35	126	0.05	24	2	48	2.5
A004	88	96	14691	1	0.40	31	105	0.10	43	2	46	2.5
A004	96	115	14692	1	0.80	36	348	0.05	55	2	112	2.5
A004	115	135	14693	1	0.60	29	154	0.10	48	1	72	2.5

A004	135	150	14694	1	1.10	31	153	0.10	47	3	73	2.5
A004	150	164	14695	1	1.00	34	89	0.10	34	3	42	2.5
A004	164	180	14696	1	0.30	23	139	0.10	39	2	59	2.5
A004	180	192	14697	1	0.30	26	173	0.10	54	2	82	2.5
A004	192	210	14698	1	0.20	27	129	0.10	41	2	67	2.5
R			210 - 235 UNSAMPLED									
A004	235	255	14699	1	0.30	25	154	0.05	64	2	74	2.5
A004	255	275	14700	1	0.60	24	173	0.10	62	2	74	2.5
A004	275	295	14701	1	0.50	28	51	0.05	45	2	26	2.5
R			295 - 312 UNSAPLED									
A004	312	322	14702	1	0.80	28	67	0.05	43	3	31	2.5
A004	322	342	14703	1	0.40	23	68	0.10	76	2	26	2.5
A004	342	360	14704	1	0.10	23	35	0.20	76	2	18	2.5
R			UNSAMPLED									
R			SAMPLES TAKEN EVERY 4M									
A004	380	400	14705	1	0.20	24	51	0.10	41	2	21	2.5
A004	420	440	14706	1	0.60	31	63	0.10	59	2	29	2.5
A004	460	480	14707	1	0.60	25	68	0.05	43	2	24	2.5
A004	500	520	14708	1	0.50	29	86	0.05	54	2	36	2.5
A004	537	557	14709	1	0.50	27	61	0.05	35	2	23	2.5
A004	577	597	14710	1	0.40	27	58	0.05	38	2	23	2.5
A004	617	638	14711	1	0.40	21	59	0.05	44	2	21	2.5
A004	659	679	14712	1	0.20	24	73	0.10	38	2	31	2.5
A004	699	720	14713	1	0.40	24	56	0.10	47	2	26	2.5
A004	720	740	14714	1	0.30	25	59	0.10	37	2	27	2.5
A004	740	760	14715	1	0.30	22	94	0.10	35	2	34	2.5
A004	760	780	14716	1	0.40	26	59	0.10	29	3	26	2.5
R	780 - 900 A004 GRAB SAMPLES COLLECTED FROM MUCK PILES BESIDE											
R			TRENCH									
A004	900	920	14723	1	0.20	23	105	0.05	35	2	48	2.5
R	GRAB SAMPLES											
R			GRAB SAMPLES TAKEN FROM MUCK PILE BESIDE TRENCH DUE TO									
R			EXCESS OVERBURDEN AND WATER IN TRENCH (ANG. FRAGS COLLECTED)									
A004	780	800	14717	1	0.10	26	73	0.10	34	3	24	2.5
A004	800	820	14718	1	0.30	22	116	0.05	43	2	57	2.5
A004	820	840	14719	1	0.20	22	117	0.05	42	2	55	2.5
A004	840	860	14720	1	0.20	21	110	0.10	39	2	49	2.5
A004	860	880	14721	1	0.10	19	103	0.10	34	2	48	2.5
A004	880	900	14722	1	0.10	21	97	0.10	37	2	50	2.5
R	90.0 - 92.0 A004 CHIP SAMPLE TAKEN ACROSS 0.5M EXPOSED BEDROCK											
A004	920	940	14724	1	0.30	22	96	0.10	31	1	50	2.5
A004	940	960	14725	1	0.30	20	96	0.05	36	1	43	2.5
R			96.0 - 98.0 UNSAMPLED									
A004	960	980	14726	1	0.50	17	118	0.05	27	4	25	2.5
R			CHLOR-SER-CARB SCHIST GRAB									
A004	780	780	53918	1	0.60	28	187	0.50	41	4	57	2.5
R			CHOR-CARB SCHIST WITH QUARTZ LENSES HOSTING GALENA-PYRITE									
R			CLOTS 1-2%									
A004	130	130	53919	1	0.70	32	157	0.30	31	3	55	2.5
R			QUARTZ VEIN IN A RUSTY CHLORITIC-SERICITIC SCHIST HOSTING									
R			CLOTS OF PY-CP ABOUT 2-3%									
A004	630	640	53920	1	0.60	41	75	0.10	59	3	29	2.5
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	

R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH								
ATYP			CHIP SAMPLES								
AMTH			ICP								
A005	00	14	14687	1	5	11	2.5	2.5	1.5	1061	19
A005	14	32	14688	1	5	4	2.5	2.5	1.5	386	40
A005	32	52	14689	1	5	6	2.5	2.5	1.5	426	48
R			52 - 72 UNSAMPLED								
A005	72	88	14690	1	5	4	2.5	2.5	1.5	359	62
A005	88	96	14691	2	5	6	2.5	2.5	1.5	572	69
A005	96	115	14692	1	5	14	2.5	7.0	1.5	1013	37
A005	115	135	14693	1	5	8	2.5	2.5	1.5	758	40
A005	135	150	14694	3	5	12	5.0	2.5	1.5	1161	60
A005	150	164	14695	3	5	12	2.5	2.5	1.5	1384	74
A005	164	180	14696	1	5	6	5.0	2.5	1.5	461	69
A005	180	192	14697	1	5	5	7.0	2.5	1.5	503	32
A005	192	210	14698	2	5	5	5.0	2.5	1.5	489	42
R			210 - 235 UNSAMPLED								
A005	235	255	14699	2	5	5	5.0	5.0	1.5	516	73
A005	255	275	14700	5	5	5	5.0	2.5	1.5	650	63
A005	275	295	14701	2	5	5	7.0	2.5	1.5	625	54
R			295 - 312 UNSAPLED								
A005	312	322	14702	2	5	7	2.5	2.5	1.5	1048	49
A005	322	342	14703	4	5	6	7.0	2.5	1.5	656	62
A005	342	360	14704	2	5	5	5.0	2.5	1.5	544	48
R			UNSAMPLED								
R			SAMPLES TAKEN EVERY 4M								
A005	380	400	14705	1	5	6	2.5	2.5	1.5	579	58
A005	420	440	14706	3	5	7	5.0	2.5	1.5	878	43
A005	460	480	14707	2	5	4	5.0	2.5	1.5	596	53
A005	500	520	14708	1	5	7	2.5	2.5	1.5	646	62
A005	537	557	14709	2	5	6	5.0	2.5	1.5	602	62
A005	577	597	14710	1	5	4	2.5	2.5	1.5	612	60
A005	617	638	14711	2	5	5	2.5	2.5	1.5	426	49
A005	659	679	14712	1	5	6	2.5	2.5	1.5	495	36
A005	699	720	14713	1	5	5	2.5	2.5	1.5	533	41
A005	720	740	14714	2	5	5	2.5	2.5	1.5	606	41
A005	740	760	14715	1	5	5	2.5	2.5	1.5	566	44
A005	760	780	14716	1	5	4	2.5	2.5	1.5	546	50
R	780 - 900 A005 GRAB SAMPLES COLLECTED FROM MUCK PILES BESIDE										
R			TRENCH								
A005	900	920	14723	1	5	6	2.5	2.5	1.5	494	71
R	GRAB SAMPLES										
R			GRAB SAMPLES TAKEN FROM MUCK PILE BESIDE TRENCH DUE TO								
R			EXCESS OVERBURDEN AND WATER IN TRENCH (ANG. FRAGS COLLECTED)								
A005	780	800	14717	2	5	4	2.5	2.5	1.5	395	67
A005	800	820	14718	1	5	6	2.5	5.0	1.5	485	56
A005	820	840	14719	1	5	6	2.5	2.5	1.5	467	50
A005	840	860	14720	2	5	6	2.5	2.5	1.5	491	57
A005	860	880	14721	2	5	6	2.5	2.5	1.5	402	46
A005	880	900	14722	1	5	5	2.5	2.5	1.5	428	48
R	90.0 - 92.0 A005 CHIP SAMPLE TAKEN ACROSS 0.5M EXPOSED BEDROCK										
A005	920	940	14724	1	5	5	2.5	2.5	1.5	459	37
A005	940	960	14725	1	5	5	2.5	2.5	1.5	406	40

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R               96.0 - 98.0 UNSAMPLED
A005  960   980      14726    1     5     4   2.5   2.5   1.5   795   118
R               CHLOR-SER-CARB SCHIST GRAB
A005  780   780      53918    1     5    13   2.5   2.5   1.5  1393   260
R               CHOR-CARB SCHIST WITH QUARTZ LENSES HOSTING GALENA-PYRITE
R               CLOTS 1-2%
A005  130   130      53919    1     5    12   2.5   2.5   1.5  1429   249
R               QUARTZ VEIN IN A RUSTY CHLORITIC-SERICITIC SCHIST HOSTING
R               CLOTS OF PY-CP ABOUT 2-3%
A005  630   640      53920    1     5     5   6.0   2.5   1.5   560    77
A006
AUMM                SAMPLE  AL%   MG%    P%    TI     V    ZR
R                            %     %     %     %    ppm   ppm
ALAB            PDI RESEARCH
ATYP            CHIP SAMPLES
AMTH            ICP
A006   00    14      14687 3.70  3.91  0.04  0.16 149.0   1.0
A006   14    32      14688 1.71  1.44  0.07  0.16  59.0   2.0
A006   32    52      14689 2.14  2.08  0.07  0.16  84.0   2.0
R               52 - 72 UNSAMPLED
A006   72    88      14690 1.64  1.12  0.10  0.14  52.0   2.0
A006   88    96      14691 2.46  1.98  0.09  0.18  93.0   2.0
A006   96   115      14692 4.09  4.87  0.06  0.13 139.0   1.0
A006  115   135      14693 3.11  3.19  0.07  0.12 107.0   1.0
A006  135   150      14694 3.62  3.17  0.10  0.02 110.0   1.0
A006  150   164      14695 3.67  3.45  0.07  0.03 126.0   1.0
A006  164   180      14696 1.87  2.05  0.07  0.13  69.0   2.0
A006  180   192      14697 2.19  2.68  0.07  0.12  75.0   1.0
A006  192   210      14698 2.02  2.35  0.07  0.14  70.0   2.0
R               210 - 235 UNSAMPLED
A006  235   255      14699 2.03  2.28  0.07  0.14  65.0   2.0
A006  255   275      14700 2.18  2.33  0.08  0.16  92.0   2.0
A006  275   295      14701 2.65  2.30  0.08  0.17  83.0   1.0
R         295 - 312 UNSAMPLED
A006  312   322      14702 3.12  2.48  0.10  0.11 103.0   2.0
A006  322   342      14703 2.45  1.98  0.07  0.12  93.0   3.0
A006  342   360      14704 1.96  1.66  0.08  0.17  77.0   2.0
R               UNSAMPLED
R               SAMPLES TAKEN EVERY 4M
A006  380   400      14705 2.33  1.81  0.09  0.17  80.0   2.0
A006  420   440      14706 3.09  2.74  0.09  0.17 106.0   4.0
A006  460   480      14707 2.52  2.38  0.08  0.13  70.0   2.0
A006  500   520      14708 3.12  3.04  0.07  0.16  93.0   1.0
A006  537   557      14709 2.76  2.29  0.08  0.15  76.0   1.0
A006  577   597      14710 2.82  2.42  0.08  0.15  73.0   1.0
A006  617   638      14711 1.93  1.67  0.07  0.13  61.0   2.0
A006  659   679      14712 1.95  1.85  0.07  0.11  71.0   2.0
A006  699   720      14713 2.08  1.84  0.08  0.13  75.0   2.0
A006  720   740      14714 2.44  2.18  0.08  0.13  79.0   2.0
A006  740   760      14715 2.27  2.11  0.06  0.13  70.0   2.0
A006  760   780      14716 2.15  1.88  0.08  0.13  74.0   2.0
R         780 - 900 A006 GRAB SAMPLES COLLECTED FROM MUCK PILES BESIDE
R               TRENCH
A006  900   920      14723 1.98  1.99  0.08  0.15  72.0   2.0
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R        GRAB SAMPLES
R                 GRAB SAMPLES TAKEN FROM MUCK PILE BESIDE TRENCH DUE TO
R                 EXCESS OVERBURDEN AND WATER IN TRENCH (ANG. FRAGS COLLECTED)
A006  780   800        14717  1.83   1.35   0.08   0.15   61.0    2.0
A006  800   820        14718  2.11   2.27   0.07   0.15   71.0    2.0
A006  820   840        14719  1.92   2.06   0.07   0.15   69.0    2.0
A006  840   860        14720  1.78   1.90   0.07   0.14   67.0    2.0
A006  860   880        14721  1.57   1.70   0.07   0.12   60.0    2.0
A006  880   900        14722  1.68   1.90   0.06   0.12   62.0    2.0
R        90.0 - 92.0 A006 CHIP SAMPLE TAKEN ACROSS 0.5M EXPOSED BEDROCK
A006  920   940        14724  1.76   1.97   0.07   0.13   66.0    2.0
A006  940   960        14725  1.70   1.77   0.07   0.12   62.0    2.0
R                 96.0 - 98.0 UNSAMPLED
A006  960   980        14726  0.49   1.27   0.06   0.00   17.0    0.5
R                 CHLOR-SER-CARB SCHIST GRAB
A006  780   780        53918  2.46   3.45   0.08   0.03   88.0    0.5
R                 CHOR-CARB SCHIST WITH QUARTZ LENSES HOSTING GALENA-PYRITE
R                 CLOTS 1-2%
A006  130   130        53919  2.30   3.48   0.08   0.03   83.0    0.5
R                 QUARTZ VEIN IN A RUSTY CHLORITIC-SERICITIC SCHIST HOSTING
R                 CLOTS OF PY-CP ABOUT 2-3%
A006  630   640        53920  2.45   2.29   0.11   0.21  109.0    1.0
R                    TRENCH OVERBURDEN PROFILE SAMPLE DATA
R       SAMPLE/LOCATION  DEPTH    AG     AS     AU     CU     PB     ZN
R                         cm     ppm    ppm    ppb    ppm    ppm    ppm
R
R       TR90-21   0.0MA    15    0.4      6     75     13      8     53
R       TR90-21  10.0MA    50    0.2      5    2.5     23      4     40
R       TR90-21  10.0MB   120    0.2      2    2.5     99      6     44
R       TR90-21  10.0MC   150    0.2      6    2.5     68      5     48
R       TR90-21  23.0MA    40    0.2      4    2.5     18      3     84
R       TR90-21  23.0MB   100    0.2      1    2.5     55      9     97
R       TR90-21  40.0MA    30    0.1      1    2.5     15      9     42
R       TR90-21  40.0MB   120    0.1      8    2.5     51      8     64
R       TR90-21  40.0MC   180    0.1      4    2.5     35      6     39
R       TR90-21  50.0MA    20    0.1      1     10     19      6     37
R       TR90-21  50.0MB    70    0.1      3     15     22      4     30
R       TR90-21  65.0MA    50    0.1      7    2.5     24      5     36
R       TR90-21  65.0MB   120    0.1      6     10     53      9     55
R       TR90-21  85.0MA    80    0.1      7      5     32      7     60
R       TR90-21  85.0MB   150    0.1      1     35     43      7     55
R       TR90-21  95.0MA    50    0.1      7    2.5     39      8     57
R       TR90-21  95.0MB    75    0.1      1    2.5     48      7     62
/END
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Trench 90-22

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IDEN6B0201V239  TR90-22     19AUG90 MD   LEPKAUG90225    MDGRD  0.0
IPRJ      PLACER DOME INC                         MCCONNELL CREEK
S000   00   160 MT   32.0  99.5  10.0              9041.0   9480.0     1480.0
S001  160   320      32.0  99.5   2.0
/SCL        MT.2
LSCL                      LCTM
/NAM                                                        CLSESICAEPCCPYCPGLBO
LNAM                                                        LIHEPLMC     SLMGGD
R                THIS TRENCH WAS DUG IN A SWAMP TO TEST A VLF CONDUCTOR AND A
R                CONTACT BETWEEN QUARTZ-DIORITE AND AMPHIBOLITE GNEISS
R                OVERBURDEN DEPTH VARIES FROM 0.7 - 2.0M CONSISTING OF 0.5M
R                ORGANIC LAYER OVERLYING 0.3M XG LAYER OVERLYING 0.5M LAYER OF
R                TILL.  BEDROCK RISES GENTLY FROM WEST TO EAST WITH TWO
R                PROMINENT HUMPS AT 16.0 AND 23.0M
R                TEST PIT DUG AT ABOUT 89080N AND REFILLED
/      00   180        AMGNHBPFBI+F5BN        P FO150   <=P+>=<)<=  D+
L                         4AQZ   FGFF    3 5            <)      <)
R                DARK GREY, MODERATLY FOLIATED AND BANDED, FINE GRAINED
R                AMPHIBOLITE GNEISS CONSISTING PREDOMINANTLY OF FINE GRAINED
R                AMPHIBOLITE (ABOUT 60% HORNBLEND, 30% PLAGIOCLASE, ABOUT 10%
R                QUARTZ) WITH IRREGULAR DISTRIBUTED BANDS AND LENSES OF FINE
R                GRAINED TO MEDIUM GRAINED QUARTZ-DIORITE WEAK TO MODERATE
R                FOLIATION OCCURS THROUGHOUT AT ABOUT 150 DEGREES NUMEROUS
R                FRACTURES OCCUR PARALLEL TO FOLITATION AND ARE HEALED WITH
R                QUARTZ-PLAGIOCLASE-EPIDOTE WITH LESSER K-SPAR AND CARBONATE
R                (1-2MM WIDE), OCCASIONALY CROSS CUTTING ROCK; QUARTZ ALSO
R                OCCURS AS LENSES AND VEINLETS ROCK GENERALY FRESH AND MASSIVE
R                BUT WEAK SERIC. ACT. OF PLAGIOCLASE OCCURES; CHLOR. ALTERATION
R                OCCURS ALONG FRACTURE.  PYRITE OCCURS THROUGHOUT AS
R                DISSEMINATION, F.F. AND CLOTS ABOUT 2-3% APPEARING TO BE
R                ASSOCIATED WITH CONTACTS OF DIORITE BANDS, QUARTZ LENSES AND
R                VEINLETS.  FRACTURING IS MODERAT WITH JOINT SET AT 160 DEGREES
R                AND 40 DEGREES
R                0.0 - 7.0: WATER HOLE
R                14.0 : INTENSELY CHLORITIZED 2CM SHEAR, STRIKING 148 DEGREES
R                14.0 - 18.0" INCREASE IN FOLIATION AND CHLOR-SER. ALTERATION
R                (ABOUT 150 DEGREES STRIKE, DIPPING STEEPLY)
R                16.5: PROMINENT HUMP IN BEDROCK
/     180   222        CLS#CLSEPF=SCF7        P S#140   P6>2>1<+    D+D.
L                         GAQZ   LN      4 8            <+
R                GREENISH-GREY SHCISTOSE, LAMINATED CHLORITE-SERICITE (CARB)
R                SCHIST WITH MINOR DISSEMINATED PYRITE.  ROCK COMPOSED MAINLY
R                OF CHLORITE WITH NUMEROUS WAVY, PARALLEL AND NARROW (1-2MM)
R                BANDS OF SER-QTZ (WITH LESSER CARB) PARALLEL TO SCHISTOSITY
R                (ABOUT 140 DEGREES) BANDS APPEAR TO BE FRACTURE FILLINGS
R                WHICH ARE USUALLY CONTINUOUS BUT OCCASIONALY PINCH OUT
R                SOMETIMES OCCUR AS LENSES AND NODULES UP TO 2CM THICK.
R                LIMONITIC LAMINATIONS OCCUR IN OXYDIZED ROCK.  PYRITE OCCURS
R                DISSEMINATED AND F.F. ALONG CONTACTS OR INSIDE FELSIC BAND.
R                TRACE OF CHALCOPYRITE.  FRACTURING IS INTENSE WITH JOINT SET
R                AT 140 DEGREES AND 45 DEGREES
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/      222   275        AMGNHBPFBI+F5BN        P FO150   <=P+<)<=  D+
L                            4AQZ   FGFF    3 5           <)       <)
R                 SAME AS INTERVAL 0.0 - 18.0M
R                 23.0: PROMINENT HUMP IN BEDROCK
/      275   320        CLS#CLSEPF=SCF7        P S#140   P6>2>1<+
R                 SAME AS INTERVAL 18.0 - 22.2 BUT WITH MORE QUARTZ VEINS AND
R                 VEINLETS
R                 27.6 - 27.8: 4CM QUARTZ VEIN, WHITE, MASSIVE WITH CHLORITIC
R                 FRAGMENTS AND ABOUT 2% DISSEMINATED PYRITE; STRIKING 170
R                 DEGREES, DIPPING 80 DEGREES EAST
R                 28.0 - 32.0: OVERBURDEN > INTERPRETED CHLOR-SER SCHIST FROM
R                 MUCK PILE OUTSIDE TRENCH; QUARTZ INJECTED FRAGMENTS WITH
R                 DISSEMINATED PYRITE AND RUSTY COATINGS
R                 END OF TRENCH
R                 2.0M CONTINUOUS CHIP SAMPLES
A001
AUMM                   SAMPLE   AU1    AU     CU     PB     ZN     CA     K%    NA%    FE%
R                               ppb    ppm    ppm    ppm    ppm    %      %     %      %
ALAB              PDI RESEARCH
ATYP              CHIP SAMPLES
AMTH              WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A001    00    20        14727  2.5           43      2     63   1.14   0.19   0.06   4.57
A001    20    40        14728  2.5           45      2     41   0.95   0.15   0.10   3.12
A001    40    60        14729  2.5           71      1     39   1.68   0.19   0.07   2.86
A001    60    80        14730  2.5           51      1     41   1.19   0.19   0.10   3.01
A001    80   100        14731  2.5           60      1     40   1.14   0.33   0.15   3.13      AMGN
A001   100   120        14732  2.5           41      1     33   0.88   0.36   0.12   2.49
A001   120   140        14733  2.5           57      1     25   1.37   0.13   0.12   2.08
A001   140   160        14734  2.5           69      1     35   1.20   0.17   0.13   2.71
A001   160   180        14735  2.5           53      1     29   1.13   0.09   0.06   2.27
A001   180   200        14736100.0           64      2     50   4.36   0.25   0.02   3.91
A001   200   222        14737  2.5           58      3     83   5.10   0.25   0.01   5.92     CLSH
A001   222   242        14738  2.5           83      2     46   1.19   0.43   0.08   3.21
A001   242   262        14739  2.5           68      1     33   1.32   0.21   0.10   2.38     AMGN
A001   262   282        14740  2.5           46      2     54   2.51   0.39   0.08   3.65
R                 30.2 - 32.0 UNSAMPLED - OVBD
A002
AUMM                   SAMPLE   Au1    Au     CU     PB     ZN     CA     K%    NA%    FE%
R                               ppb    ppm    ppm    ppm    ppm    %      %     %      %
ALAB              PDI RESEARCH
ATYP              STRUCTURE  SAMPLES
AMTH              WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A002   276   278        14742  2.5           55      3     38   3.15   0.14   0.01   2.41
R                 4CM QUARTZ VEIN STRIKING 170 DEGREES, DIPPING 80 DEGREES EAST,
R                 VEIN EXPOSED OVER 0.7M, AND PINCHES OUT; WHITE, MASSIVE QUARTZ
R                 WITH CHLORITIC FRAGMENTS, LENSES, AND STRINGERS OF IRON CARB.
R                 AND DISSEMINATED EUHEDRAL PYRITE ABOUT 1-2%
A003
AUMM                   SAMPLE   AU1    AU     CU     PB     ZN     CA     K%    NA%    FE%
R                               ppb    ppm    ppm    ppm    ppm    %      %     %      %
ALAB              PDI RESEARCH
ATYP              GRAB SAMPLES
AMTH              WET GEOCHEM A.A. ON AU & AU1 - ICP ON THE REST
A003   282   302        14741  2.5           27      3     77   5.05   0.20   0.04   4.65
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R			GRAB FROM MUCK PILE; FOLIATED AND LAMINATED CHLOR-SER (CARB)									
R			SCHIST WITH MINOR DISSEMINATED PYRITE									
A003	250	250	53921	25.0		42	5	96	7.00	0.23	0.00	4.94
R			PALE GREY-GREEN, CHLOR-CARB (SER) SCHIST HOSTING QUARTZ VEIN									
R			(CARB) CONTAINING CHLOR. FRAGMENTS WITH ABOUT 1-2% CLOTS PYRITE									
A004												
AUMM			SAMPLE	BI	CD	CO	CR	AG	BA	MO	NI	W
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A004	00	20	14727	1	0.70	32	49	0.05	29	2	28	2.5
A004	20	40	14728	1	0.50	24	74	0.05	34	3	26	2.5
A004	40	60	14729	1	0.30	25	50	0.05	36	4	26	2.5
A004	60	80	14730	1	0.30	23	69	0.05	34	4	20	2.5
A004	80	100	14731	1	0.50	23	76	0.05	51	2	26	2.5
A004	100	120	14732	1	0.30	21	99	0.20	46	2	41	2.5
A004	120	140	14733	1	0.20	19	133	0.05	27	9	49	2.5
A004	140	160	14734	1	0.30	23	124	0.05	34	2	52	2.5
A004	160	180	14735	1	0.30	22	135	0.05	26	5	54	2.5
A004	180	200	14736	1	0.60	34	180	0.10	27	4	103	2.5
A004	200	222	14737	1	1.30	41	234	0.10	28	3	126	2.5
A004	222	242	14738	1	0.40	26	134	0.05	46	2	53	2.5
A004	242	262	14739	1	0.20	24	135	0.05	34	2	66	2.5
A004	262	282	14740	1	0.50	28	150	0.05	41	2	69	2.5
R			STRUCTURE SAMPLES									
A004	276	278	14742	1	0.30	11	240	0.05	27	6	43	2.5
R			4CM QUARTZ VEIN STRIKING 170 DEGREES, DIPPING 80 DEGREES EAST,									
R			VEIN EXPOSED OVER 0.7M, AND PINCHES OUT; WHITE, MASSIVE QUARTZ									
R			WITH CHLORITIC FRAGMENTS, LENSES, AND STRINGERS OF IRON CARB.									
R			AND DISSEMINATED EUHEDRAL PYRITE ABOUT 1-2%									
R			GRAB SAMPLES									
A004	282	302	14741	1	0.70	28	158	0.05	51	4	109	2.5
R			GRAB FROM MUCK PILE; FOLIATED AND LAMINATED CHLOR-SER (CARB)									
R			SCHIST WITH MINOR DISSEMINATED PYRITE									
A004	250	250	53921	1	0.70	26	150	0.10	26	2	114	2.5
R			PALE GREY-GREEN, CHLOR-CARB (SER) SCHIST HOSTING QUARTZ VEIN									
R			(CARB) CONTAINING CHLOR. FRAGMENTS WITH ABOUT 1-2% CLOTS PYRITE									
A005												
AUMM			SAMPLE	LA	TH	SC	AS	SB	HG	MN	SR	
R				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
ALAB			PDI RESEARCH									
ATYP			CHIP SAMPLES									
AMTH			ICP									
A005	00	20	14727	2	5	7	2.5	2.5	1.5	549	49	
A005	20	40	14728	2	5	6	2.5	2.5	1.5	470	51	
A005	40	60	14729	1	5	6	2.5	2.5	1.5	507	44	
A005	60	80	14730	1	5	6	2.5	2.5	1.5	495	40	
A005	80	100	14731	2	5	7	2.5	2.5	1.5	494	42	
A005	100	120	14732	1	5	5	2.5	2.5	1.5	405	28	
A005	120	140	14733	1	5	5	2.5	2.5	1.5	370	43	
A005	140	160	14734	2	5	6	2.5	5.0	1.5	476	47	
A005	160	180	14735	2	5	5	2.5	5.0	1.5	503	44	
A005	180	200	14736	2	5	8	2.5	2.5	1.5	984	277	

A005 200 222 14737 3 5 14 2.5 2.5 3.0 1622 305
A005 222 242 14738 2 5 8 2.5 2.5 1.5 572 69
A005 242 262 14739 1 5 5 2.5 5.0 1.5 469 53
A005 262 282 14740 2 5 9 2.5 5.0 1.5 742 128
R STRUCTURE SAMPLES
A005 276 278 14742 1 5 4 2.5 7.0 1.5 643 280
R 4CM QUARTZ VEIN STRIKING 170 DEGREES, DIPPING 80 DEGREES EAST,
R VEIN EXPOSED OVER 0.7M, AND PINCHES OUT; WHITE, MASSIVE QUARTZ
R WITH CHLORITIC FRAGMENTS, LENSES, AND STRINGERS OF IRON CARB.
R AND DISSEMINATED EUHEDRAL PYRITE ABOUT 1-2%
R GRAB SAMPLES
A005 282 302 14741 3 5 7 2.5 2.5 1.5 1083 329
R GRAB FROM MUCK PILE; FOLIATED AND LAMINATED CHLOR-SER (CARB)
R SCHIST WITH MINOR DISSEMINATED PYRITE
A005 250 250 53921 2 5 6 2.5 2.5 1.5 1688 508
R PALE GREY-GREEN, CHLOR-CARB (SER) SCHIST HOSTING QUARTZ VEIN
R (CARB) CONTAINING CHLOR. FRAGMENTS WITH ABOUT 1-2% CLOTS PYRITE
A006
AUMM SAMPLE AL% MG% P% TI V ZR
R % % % % ppm ppm
ALAB PDI RESEARCH
ATYP CHIP SAMPLES
AMTH ICP
A006 00 20 14727 3.21 3.11 0.08 0.12 96.0 1.0
A006 20 40 14728 2.42 2.40 0.06 0.10 72.0 1.0
A006 40 60 14729 2.20 2.10 0.06 0.12 64.0 2.0
A006 60 80 14730 2.23 2.13 0.05 0.14 78.0 1.0
A006 80 100 14731 1.94 1.95 0.07 0.16 87.0 2.0
A006 100 120 14732 1.74 1.87 0.05 0.13 62.0 1.0
A006 120 140 14733 1.52 1.65 0.07 0.12 57.0 2.0
A006 140 160 14734 1.83 2.02 0.10 0.13 68.0 2.0
A006 160 180 14735 1.57 1.73 0.07 0.11 53.0 2.0
A006 180 200 14736 2.13 3.61 0.06 0.06 63.0 1.0
A006 200 222 14737 3.36 5.64 0.05 0.02 107.0 0.5
A006 222 242 14738 2.30 2.56 0.07 0.13 87.0 2.0
A006 242 262 14739 1.80 2.17 0.07 0.12 62.0 2.0
A006 262 282 14740 2.64 3.02 0.08 0.13 97.0 2.0
R STRUCTURE SAMPLES
A006 276 278 14742 0.73 1.64 0.02 0.01 17.0 0.5
R 4CM QUARTZ VEIN STRIKING 170 DEGREES, DIPPING 80 DEGREES EAST,
R VEIN EXPOSED OVER 0.7M, AND PINCHES OUT; WHITE, MASSIVE QUARTZ
R WITH CHLORITIC FRAGMENTS, LENSES, AND STRINGERS OF IRON CARB.
R AND DISSEMINATED EUHEDRAL PYRITE ABOUT 1-2%
R GRAB SAMPLES
R GRAB SAMPLES
A006 282 302 14741 2.26 4.07 0.06 0.03 64.0 0.5
R GRAB FROM MUCK PILE; FOLIATED AND LAMINATED CHLOR-SER (CARB)
R SCHIST WITH MINOR DISSEMINATED PYRITE
A006 250 250 53921 1.67 4.32 0.09 0.00 34.0 0.5
R PALE GREY-GREEN, CHLOR-CARB (SER) SCHIST HOSTING QUARTZ VEIN
R (CARB) CONTAINING CHLOR. FRAGMENTS WITH ABOUT 1-2% CLOTS PYRITE
R TRENCH OVERBURDEN PROFILE SAMPLE DATA
R SAMPLE/LOCATION DEPTH AG AS AU CU PB ZN
R cm ppm ppm ppb ppm ppm ppm

```
R
R       TR90-22   0.0MA    50    0.1     5    15    40     6    40
R       TR90-22   0.0MB   120    0.1     2   2.5    51     6    42
R       TR90-22  10.0MA    70    0.1     4    10    35     7    35
R       TR90-22  10.0MB   140    0.1     8    15    87     8    92
R       TR90-22  20.0MA    50    0.1     6   2.5    25     7    55
R       TR90-22  20.0MB    80    0.1     3    10    17     8    39
R       TR90-22  20.0MC   120    0.2     4    35    48     9    67
R       TR90-22  30.0MA    80    0.1     3   2.5    25     9    44
/END
```

20947

Part 2 of 2

PROPERTY AND ASSESSMENT REPORT

for the

1990 Work Program

McConnell CREEK PROPERTY

NTS 94-D-15E & 94-D-16W

Lat: 56° 53' Long: 126° 37'

Volume II - Figures 4-23

by

Marc Deschenes, B.A.Sc., Geol. Eng.

December 1990

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,947
Part 2 of 2

SCALE 1:5000

0 100 200 300 400 500 metres

LEGEND

GN	AMPHIBOLE GNEISS: Dark green, banded and foliated, fine- to medium-grained; dominantly plagioclase, hornblende and chlorite with local biotite.
QD	QUARTZ DIORITE: Medium grey, medium-grained and foliated.
QD1	QUARTZ DIORITE: Light grey, medium-grained. Differs from the QD described above by being finer grained and non foliated.
QM	QUARTZ MONZONITE: Light grey, medium-grained. Weakly to moderately foliated.
MFDR	MAFIC DIORITE: Medium to dark grey, medium-grained, foliated diorite and quartz diorite containing up to 40% mafics, principally hornblende. Probably a contaminated phase of QD.
MTGB	METAGABBRO: Dark green, medium-grained, schistose, banded in places; contains up to 80% amphibole partly altered to chlorite. Includes amphibolite gneiss and chlorite schist. Occurs as small roof pendants in quartz monzonite.
AU IN PPB / AG IN PPM ATTITUDE	Quartz vein in chlorite schist, generally less than 20 cm thick. Attitude and analytical data shown if available.
AU / AG ATTITUDE	Quartz vein in chlorite schist exposed in pre 1987 trench.
AU / AG R	Pre 1987 trench containing rubble of vein quartz but not exposing a quartz vein.
	Local stockwork of small quartz veins not associated with chlorite schist; not known to contain mineralization.
ATTITUDE	Zone of chlorite schist or carbonate alteration; if shown with quartz vein attitude refers to vein.

	Pre 1987 prospect trench.
	Foliation, vertical.
	Foliation, inclined.
	Fault: position known, position assumed.
	Geological contact: position known, position assumed.
X X R	Small outcrop; Angular rubble.
	Area containing 25% or more outcrop.
	Outline of schist zone in the main showings.
AU PPB X QF AG PPM	Float of vein quartz.
X CSF	Float of chlorite schist.
	Baseline
	100 metre grid stations.
1550	Contour line: contour interval 50 metres.
DH84-M1	1984 diamond drill hole.
	1989 IP anomaly
	1989 VLF conductor
	1990 road and culvert
DH90-4	1990 diamond drill hole
	1990 overburden trench
	1990 test pit
	1990 rock sample
	1990 soil geochem grid
S7700N	Drill hole section
SS	Subsurface clorite schist zone intersected by drill hole

PLACER DOME INC.
McCONNELL CREEK PROPERTY, B.C.
(JOINT VENTURE 239)

CENTRAL GRID
1990 COMPILATION MAP

DRAWING BY: WGS DATE: NOV. 1990 FILE NAME
REVISED BY: MD DATE: NOV. 20, 1990 90COMP-C.DWG
SMITHERINGALE GEOLOGICAL LTD.

FIG. 4

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,947

Part 2 of 2

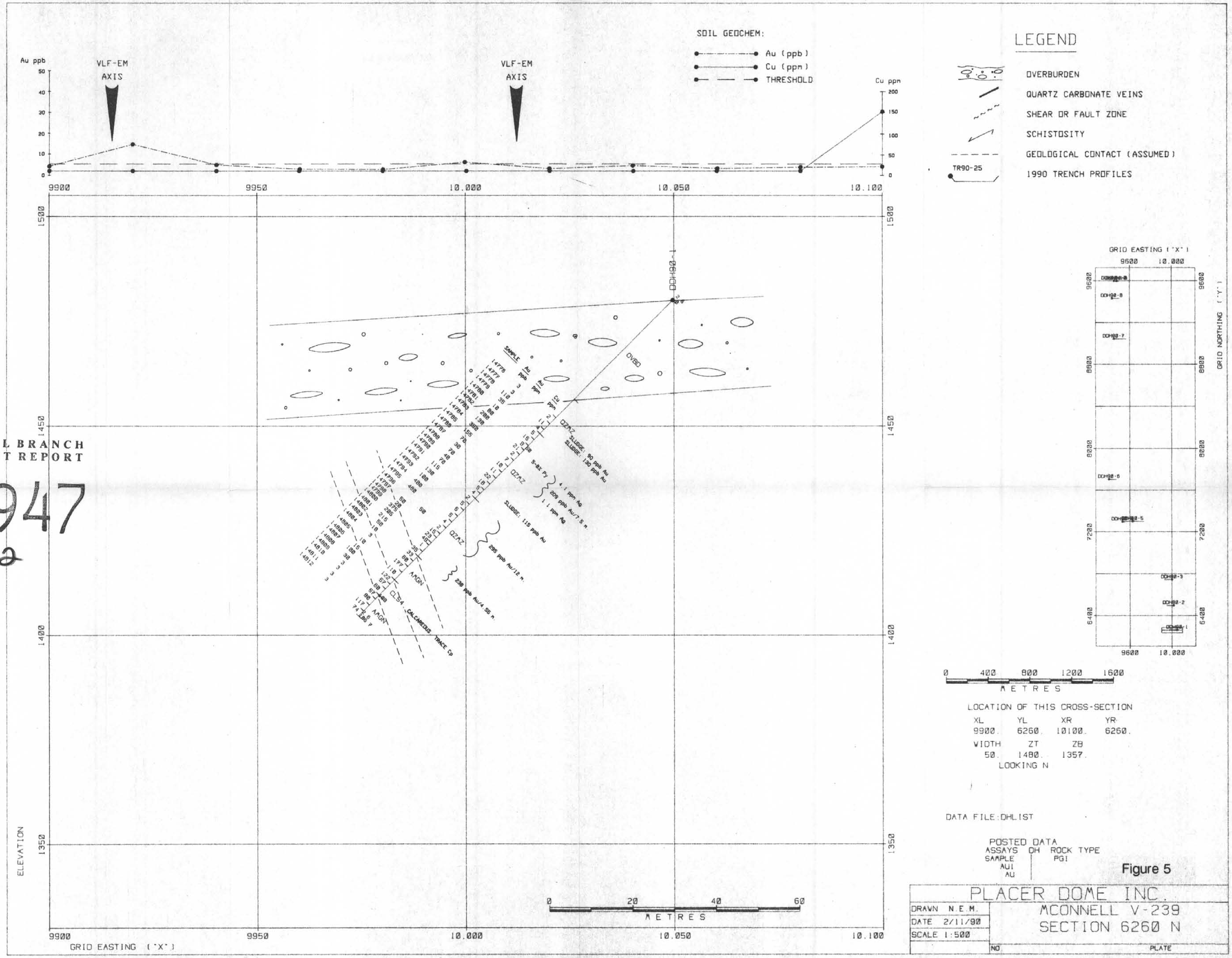


Figure 5

PLACER DOME INC.
MCONNELL V-239
SECTION 6260 N

DRAWN N.E.M.	
DATE 2/11/90	
SCALE 1:500	
NO	PLATE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,947

Part 2 of 2

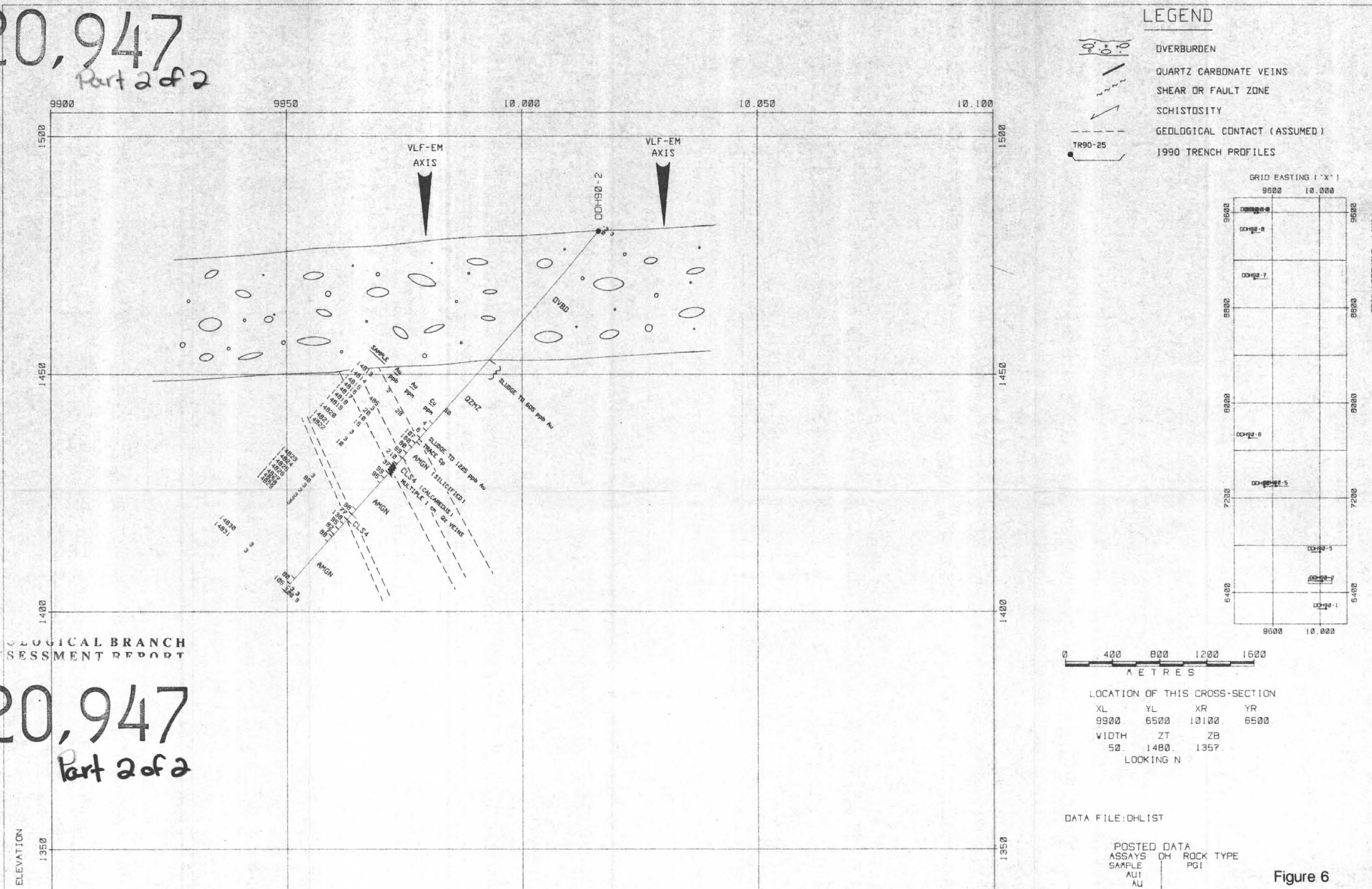


Figure 6

PLACER DOME INC.

DRAWN N.E.M.
DATE 2/11/90
SCALE 1:500

MCONNELL V-239
SECTION 6500 N

NO. PLATE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,947

Part 2 of 2

20,917
Part 2 of 2

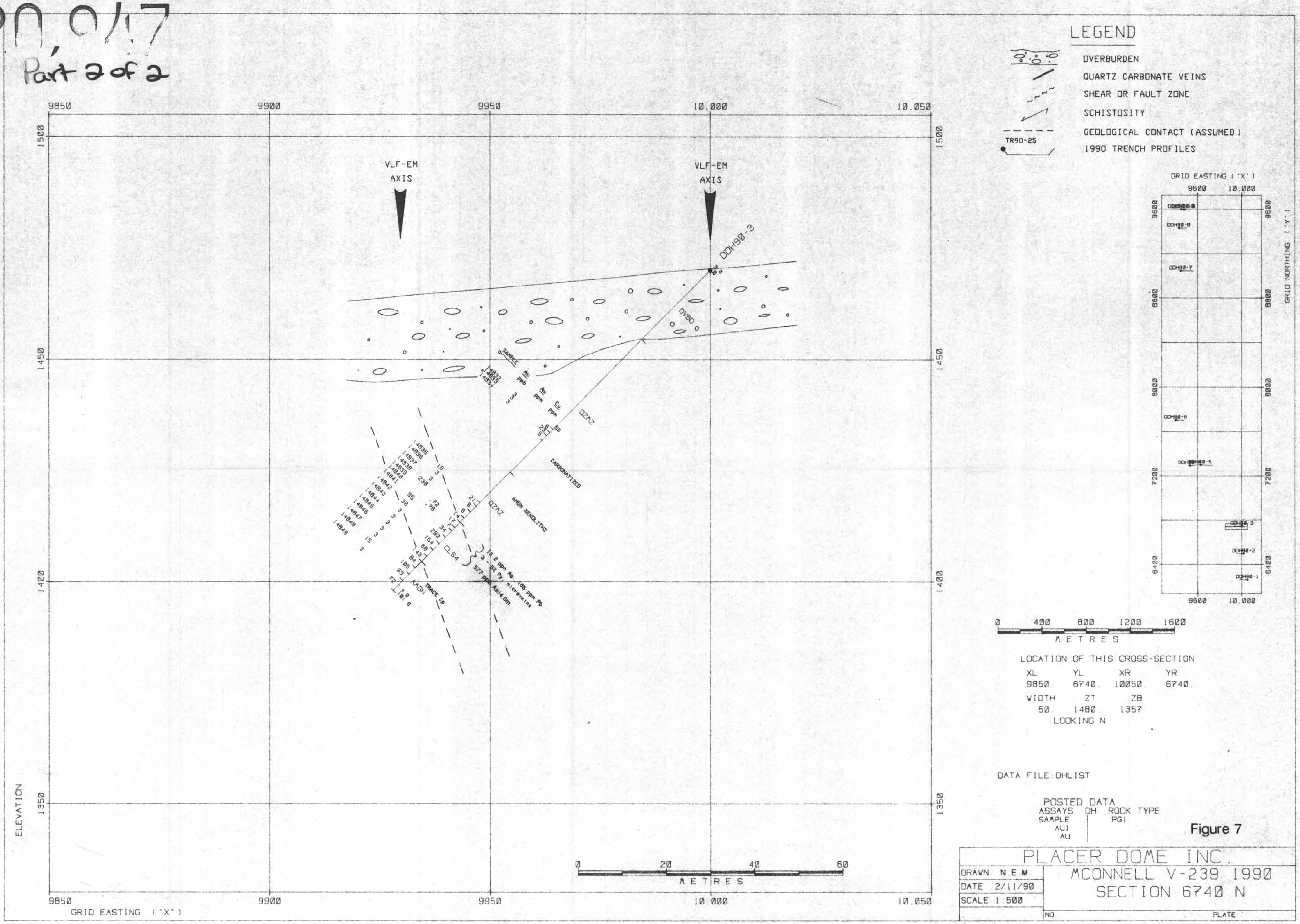
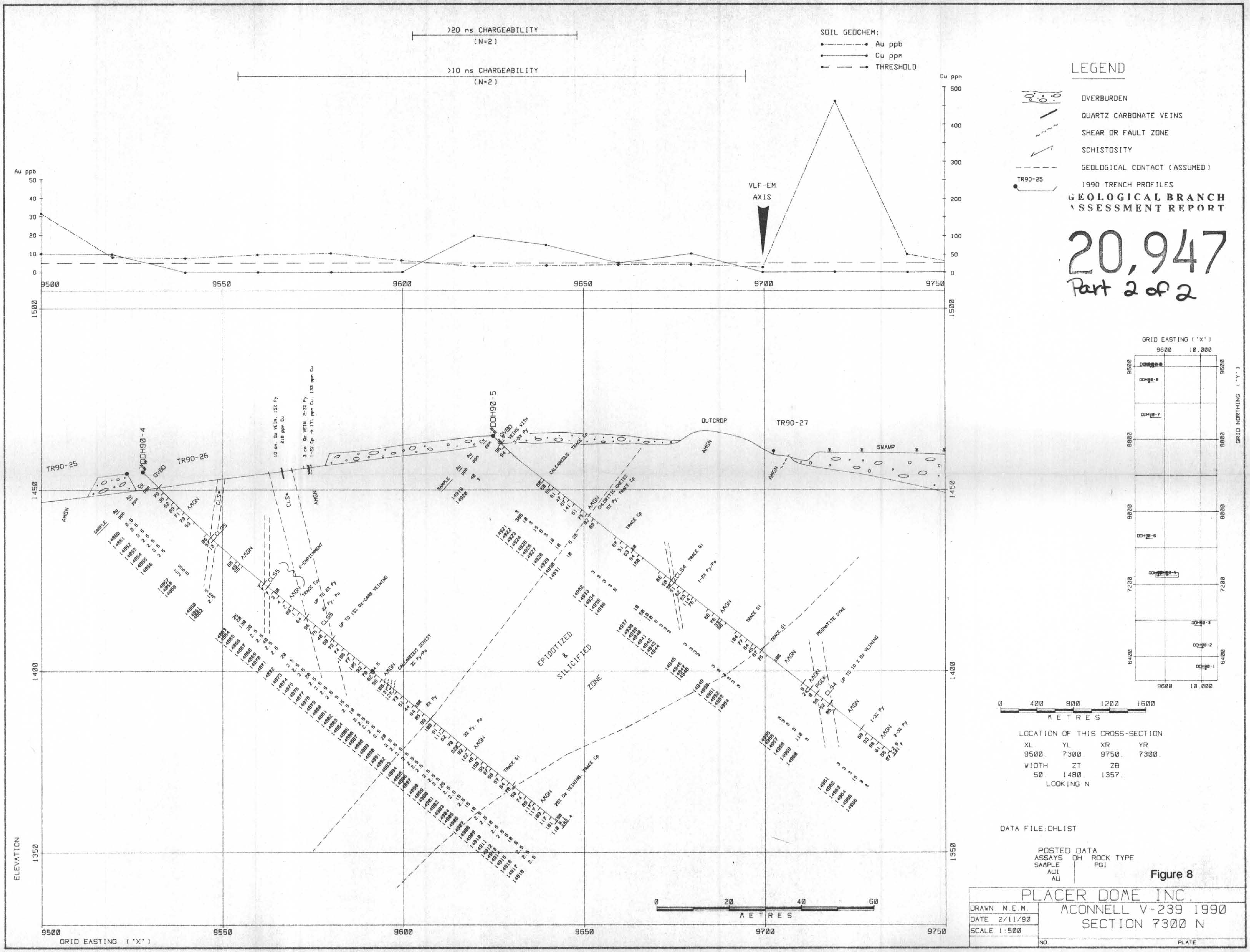
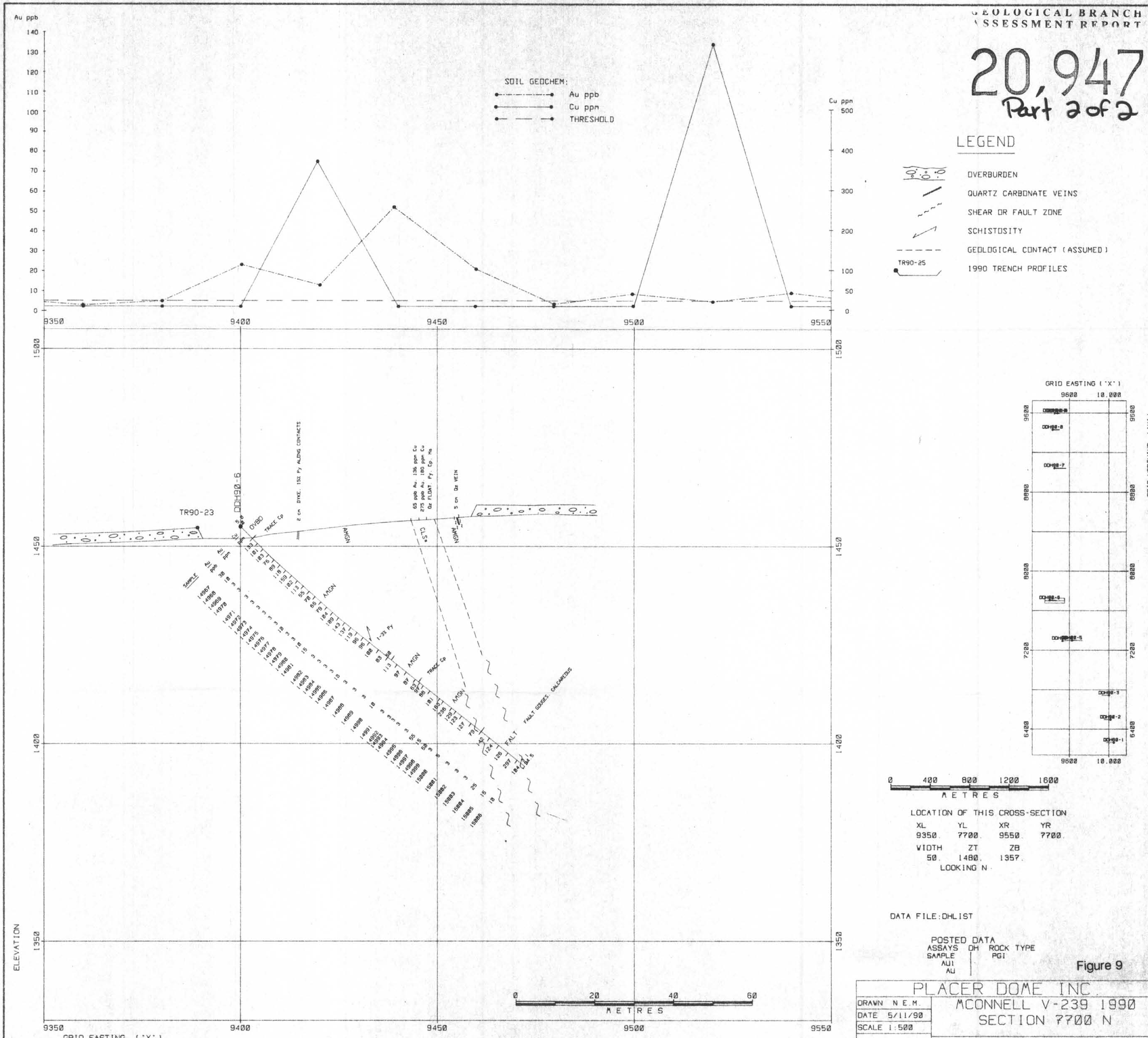


Figure 7

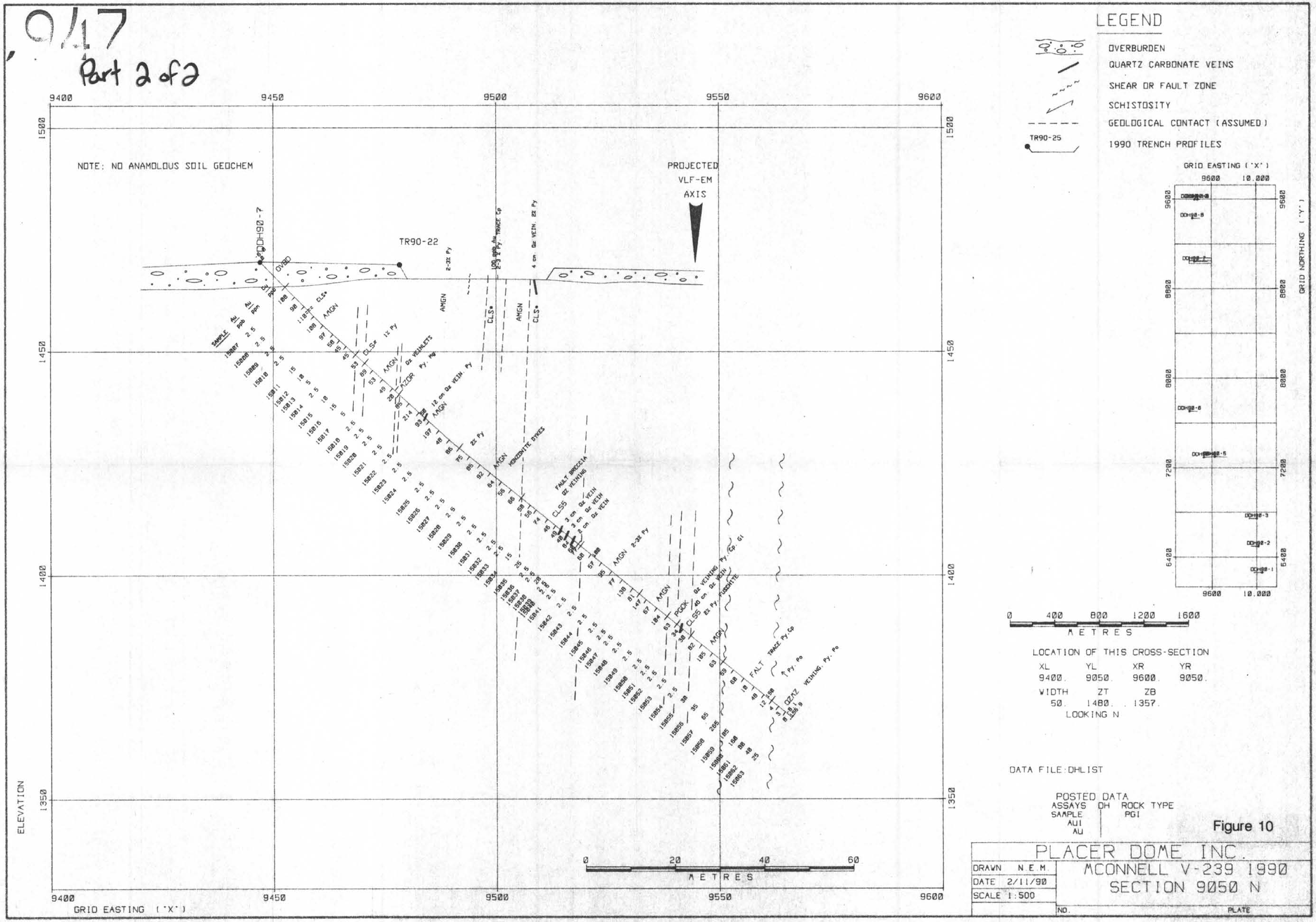

>20 ms CHARGEABILITY (N=2)
>10 ms CHARGEABILITY (N=2)
SOIL GEOCHEM:
Au ppb
Cu ppm
THRESHOLD
VLF-EM AXIS
LEGEND
OVERBURDEN
QUARTZ CARBONATE VEINS
SHEAR OR FAULT ZONE
SCHISTOSITY
GEOLOGICAL CONTACT (ASSUMED)
1990 TRENCH PROFILES
GEOLOGICAL BRANCH
ASSESSMENT REPORT
20,947
Part 2 of 2
TR90-25
TR90-26
TR90-27
DDH90-4
DDH90-5
OUTCROP
SWAMP
EPIDOTIZED & SILICIFIED ZONE
GRID EASTING ('X')
GRID NORTHING ('Y')
ELEVATION
LOCATION OF THIS CROSS-SECTION
XL 9500. YL 7300. XR 9750. YR 7300.
WIDTH 50 ZT 1480. ZB 1357.
LOOKING N
DATA FILE:DHLIST
POSTED DATA
ASSAYS DH ROCK TYPE
SAMPLE PG1
AU1
AU
METRES
PLACER DOME INC.
DRAWN N.E.M.
DATE 2/11/90
SCALE 1:500
MCONNELL V-239 1990
SECTION 7300 N
NO. PLATE
ND CREATED RUN FILE: 48 29/10/90
Figure 8


GEOLOGICAL BRANCH
ASSESSMENT REPORT
20,947
Part 2 of 2
SOIL GEOCHEM:
Au ppb
Cu ppm
THRESHOLD
Au ppb
Cu ppm
LEGEND
OVERBURDEN
QUARTZ CARBONATE VEINS
SHEAR OR FAULT ZONE
SCHISTOSITY
GEOLOGICAL CONTACT (ASSUMED)
TR90-25
1990 TRENCH PROFILES
TR90-23
DDH90-6
OVBD
TRACE Cp
2 cm DYKE, 15% Py ALONG CONTACTS
AMGN
65 ppb Au, 136 ppm Cu
275 ppb Au, 180 ppm Cu
Qz FLOAT Py, Cp, Mo
5 cm Qz VEIN
CLS
1-2% Py
FAULT GOUGES, CALCAREOUS
FALT
SAMPLE
GRID EASTING ('X')
GRID NORTHING ('Y')
METRES
LOCATION OF THIS CROSS-SECTION
XL 9350. YL 7700. XR 9550. YR 7700.
WIDTH 50. ZT 1480. ZB 1357.
LOOKING N
DATA FILE:DHLIST
POSTED DATA
ASSAYS DH ROCK TYPE
SAMPLE PGI
AU1
AU
ELEVATION
GRID EASTING ('X')
Figure 9
PLACER DOME INC.
DRAWN N.E.M.
DATE 5/11/90
SCALE 1:500
MCONNELL V-239 1990
SECTION 7700 N
NO.
PLATE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,947

Part 2 of 2

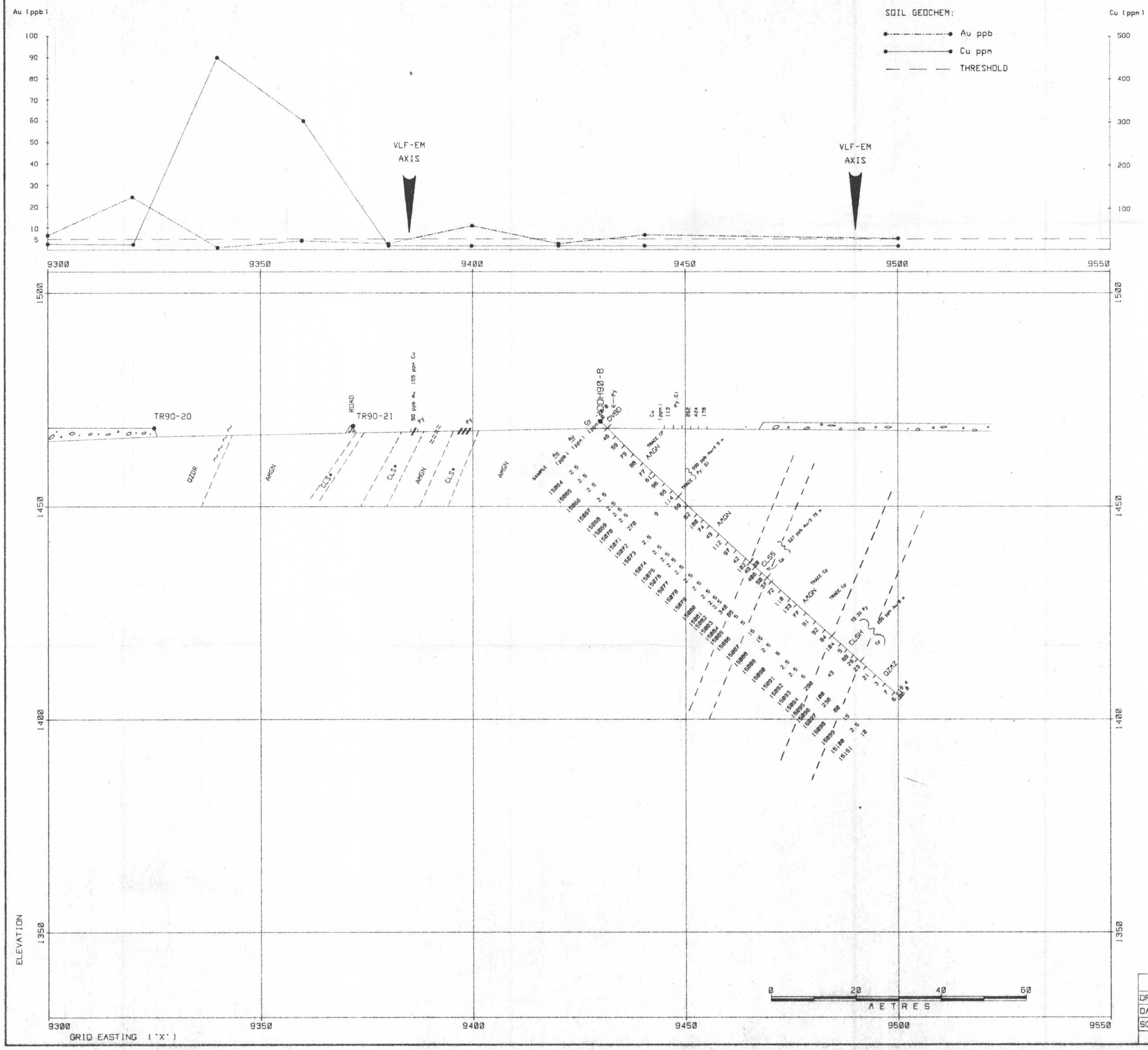


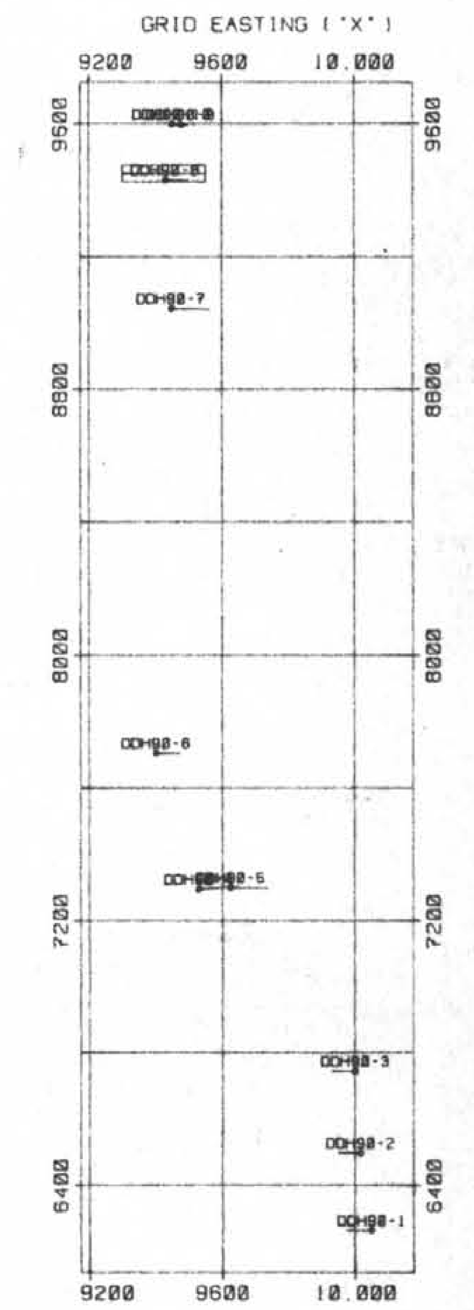
GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,947

LEGEND Part 2 of 2

	OVERBURDEN
	QUARTZ CARBONATE VEINS
	SHEAR OR FAULT ZONE
	SCHISTOSITY
	GEOLOGICAL CONTACT (ASSUMED)
TR90-25	1990 TRENCH PROFILES





0 400 800 1200 1600
METRES

LOCATION OF THIS CROSS-SECTION

XL	YL	XR	YR
9300.	9450.	9550.	9450.

WIDTH	ZT	ZB
50.	1480.	1357.

LOOKING N

DATA FILE: DHLIST

POSTED DATA
ASSAYS DH ROCK TYPE
SAMPLE | PGI
AUI
AU

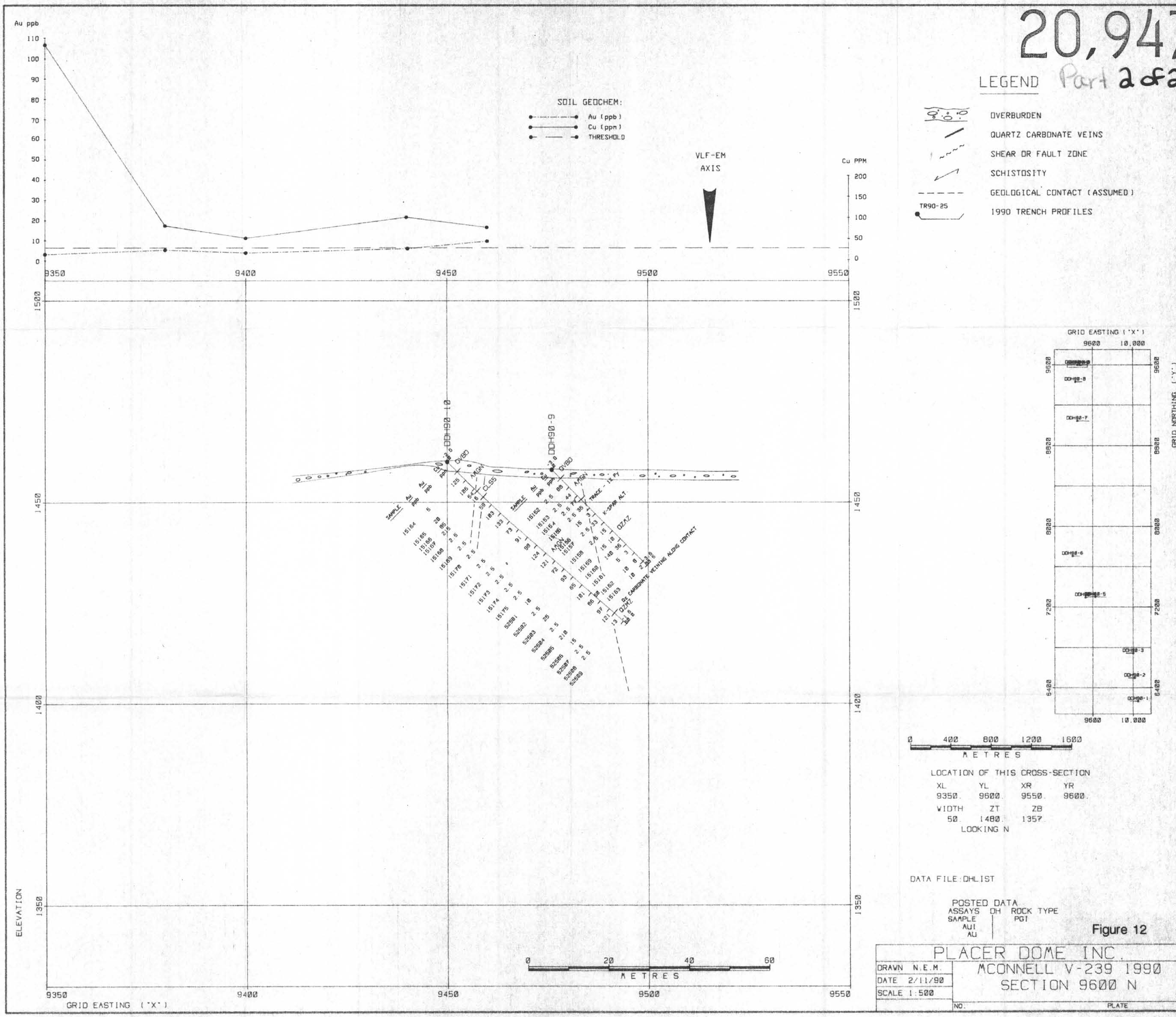
Figure 11

PLACER DOME INC.
MCONNELL V239 1990
SECTION 9450N

DRAWN N.E.M.
DATE 29/10/90
SCALE 1:1000
NO
PLATE

ND CREATED RUN FILE: 48 29/10/90

GEOLOGICAL BRANCH
ASSESSMENT REPORT



GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,947

Part 2 of 2

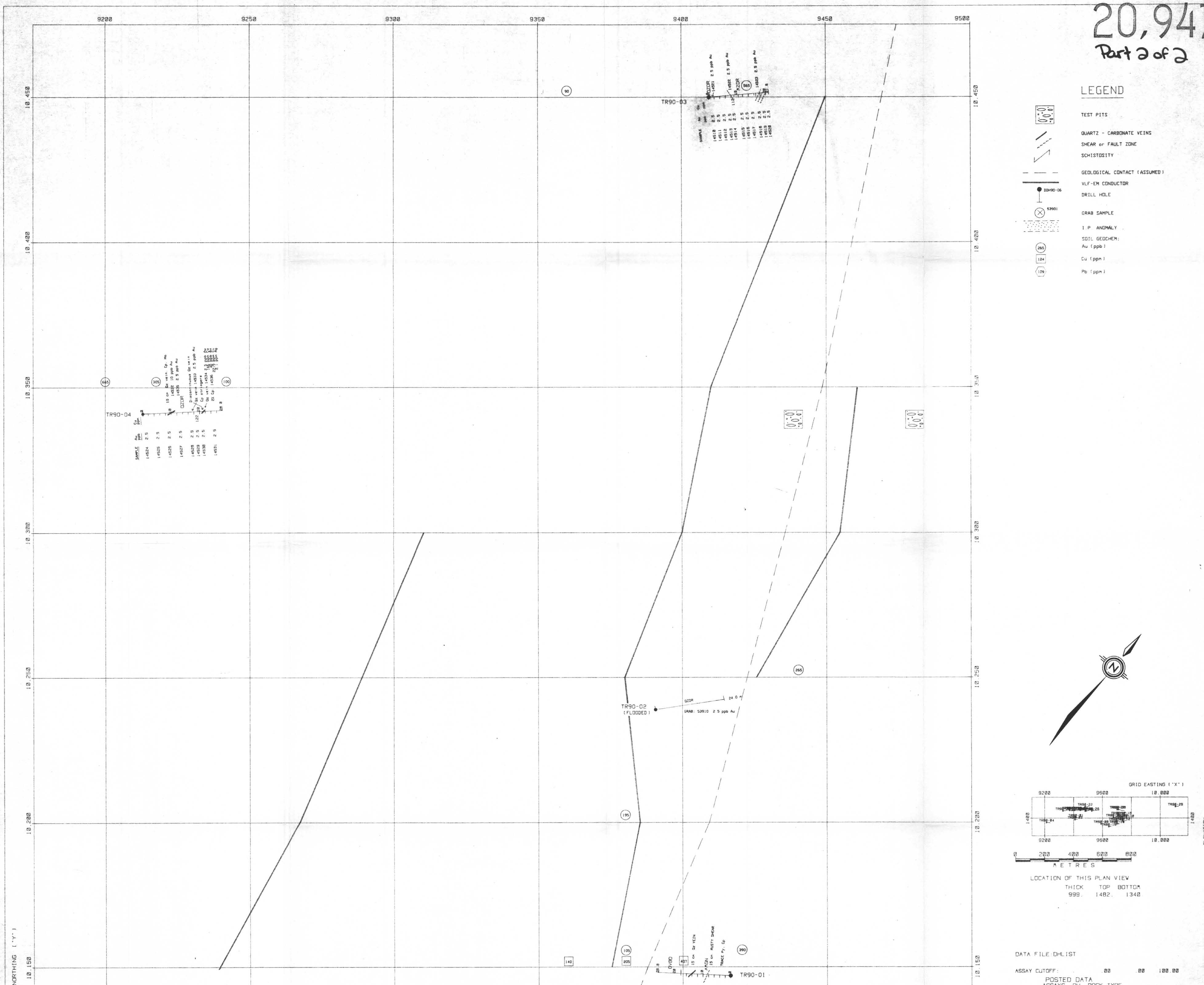


Figure 13

PLACER DOME INC.	
DRAWN NEM	MCCONNELL CREEK 1990
DATE 19/11/90	TRENCH PLAN-1
SCALE 1:500	
	NO. PLATE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

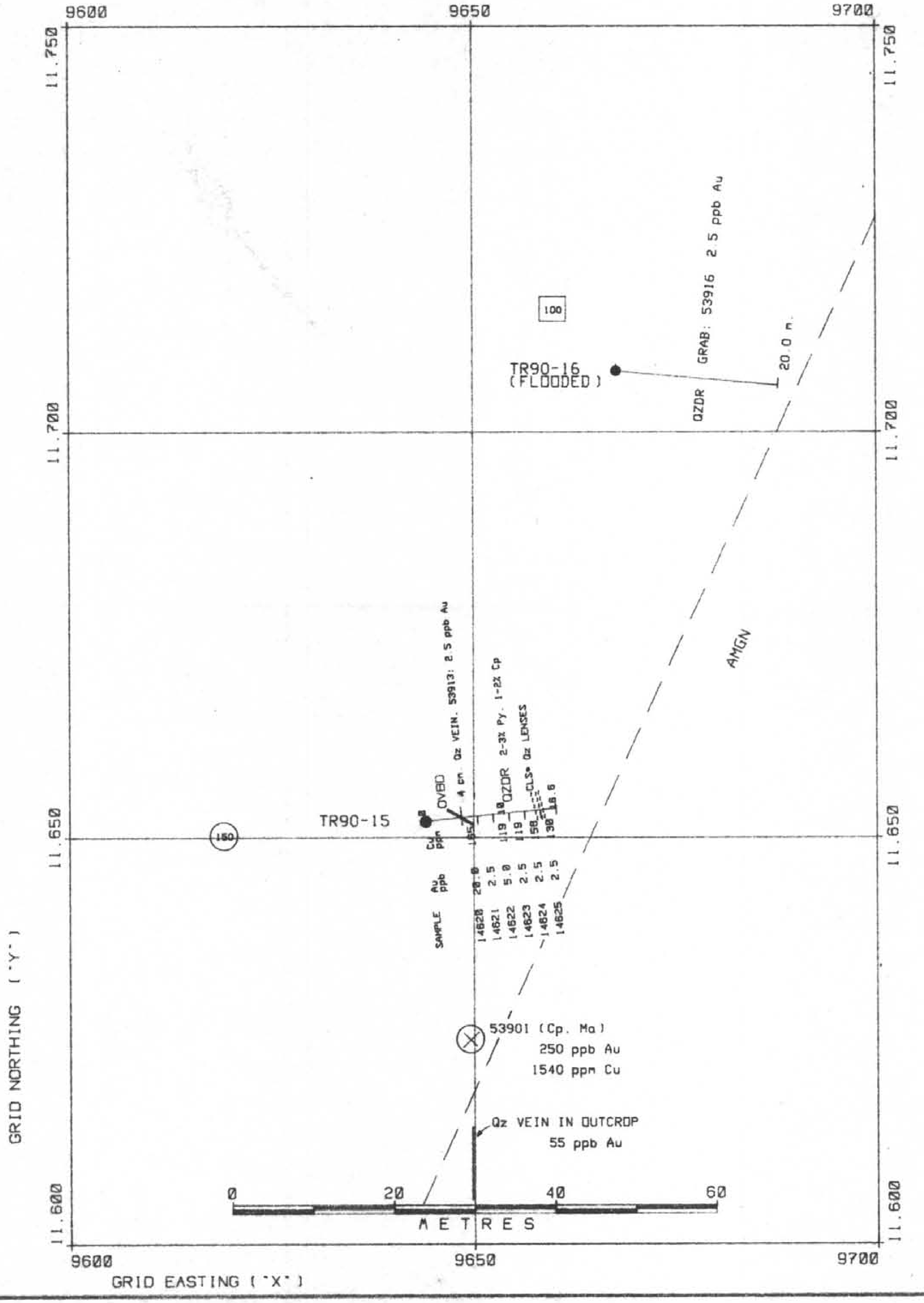
20,947

Part 2 of 2

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,947

Part 2 of 2



LEGEND

TEST PITS

QUARTZ - CARBONATE VEINS

SHEAR or FAULT ZONE

SCHISTOSITY

GEOLOGICAL CONTACT (ASSUMED)

VLF-EM CONDUCTOR

DDH90-06 DRILL HOLE

53901 GRAB SAMPLE

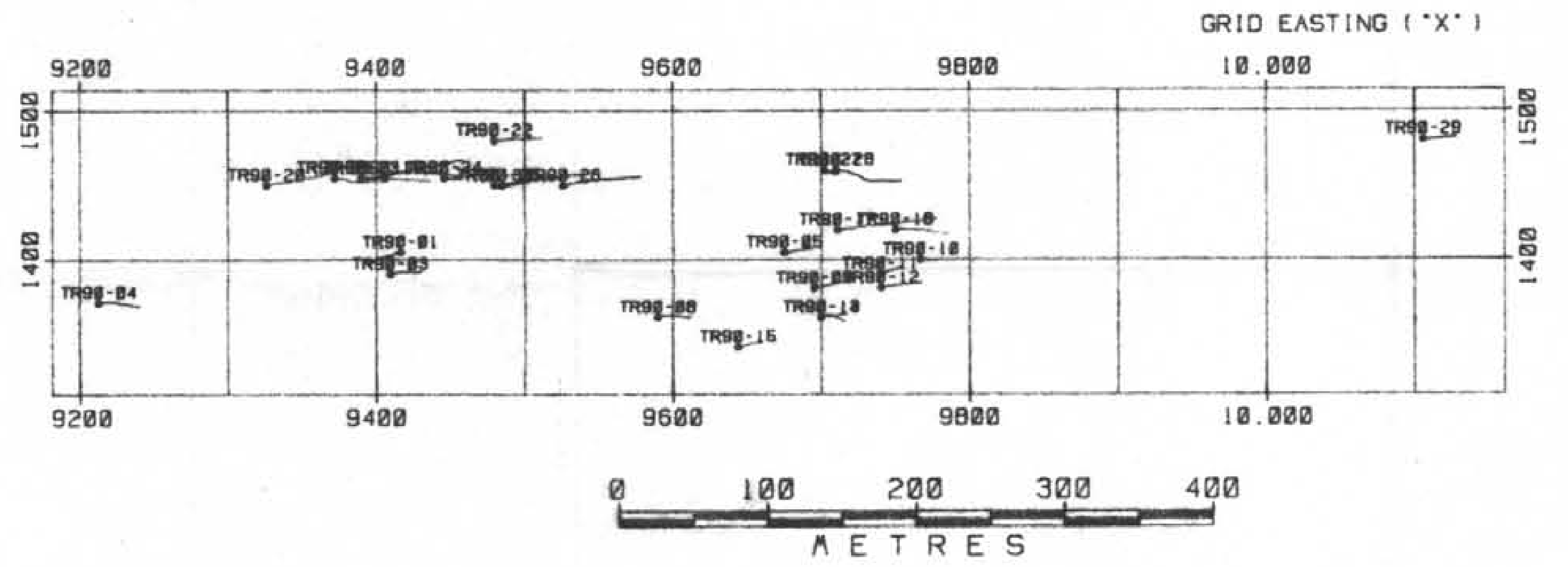
I.P. ANOMALY

SOIL GEOCHEM:

255 Au (ppb)

124 Cu (ppm)

109 Pb (ppm)



LOCATION OF THIS PLAN VIEW

THICK	TOP	BOTTOM
999.	1482.	1340.

DATA FILE: DHLIST

ASSAY CUTOFF: .00 .00 100.00

POSTED DATA
ASSAYS DH ROCK TYPE
SAMPLE PG1
AU1
CU

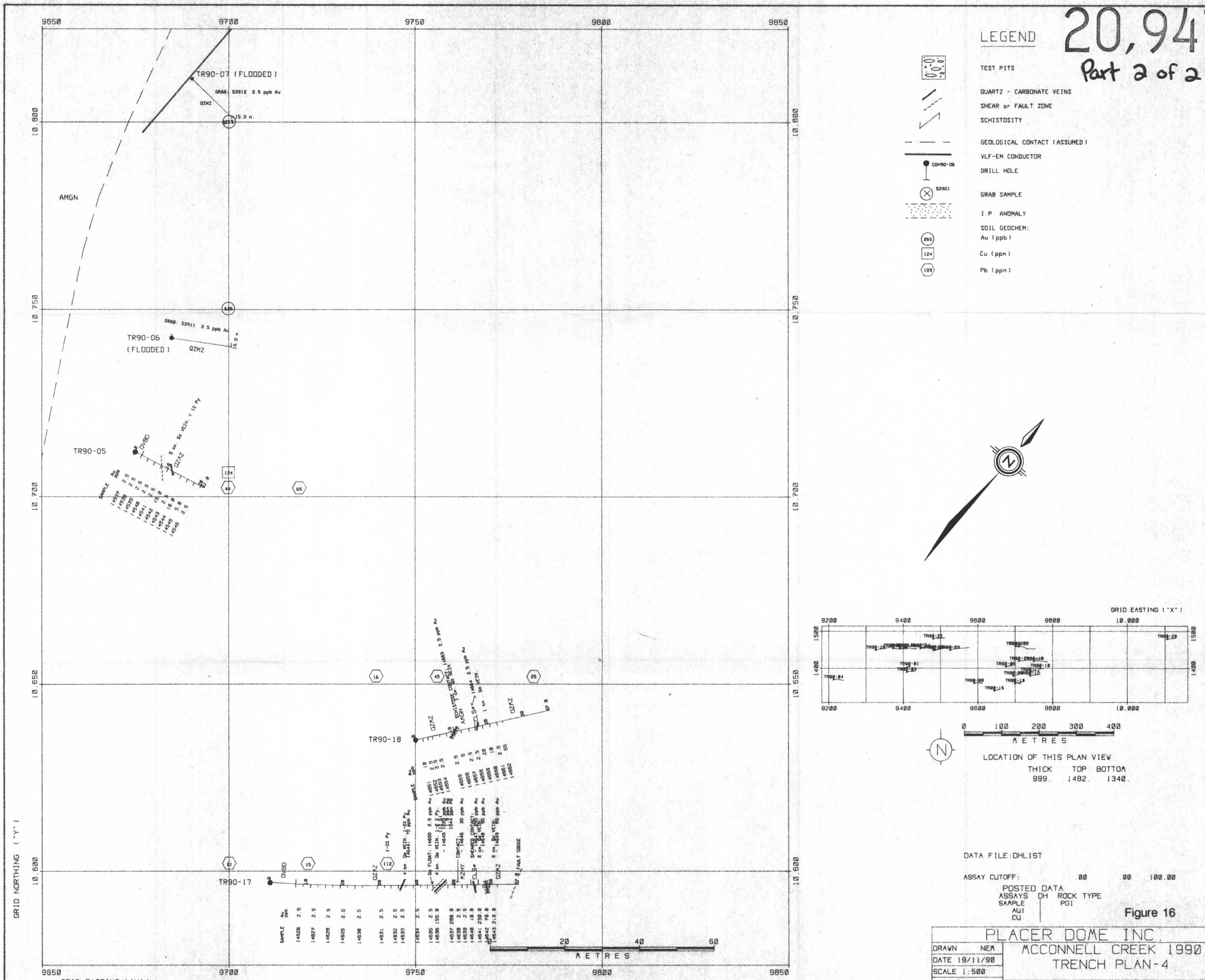
Figure 15

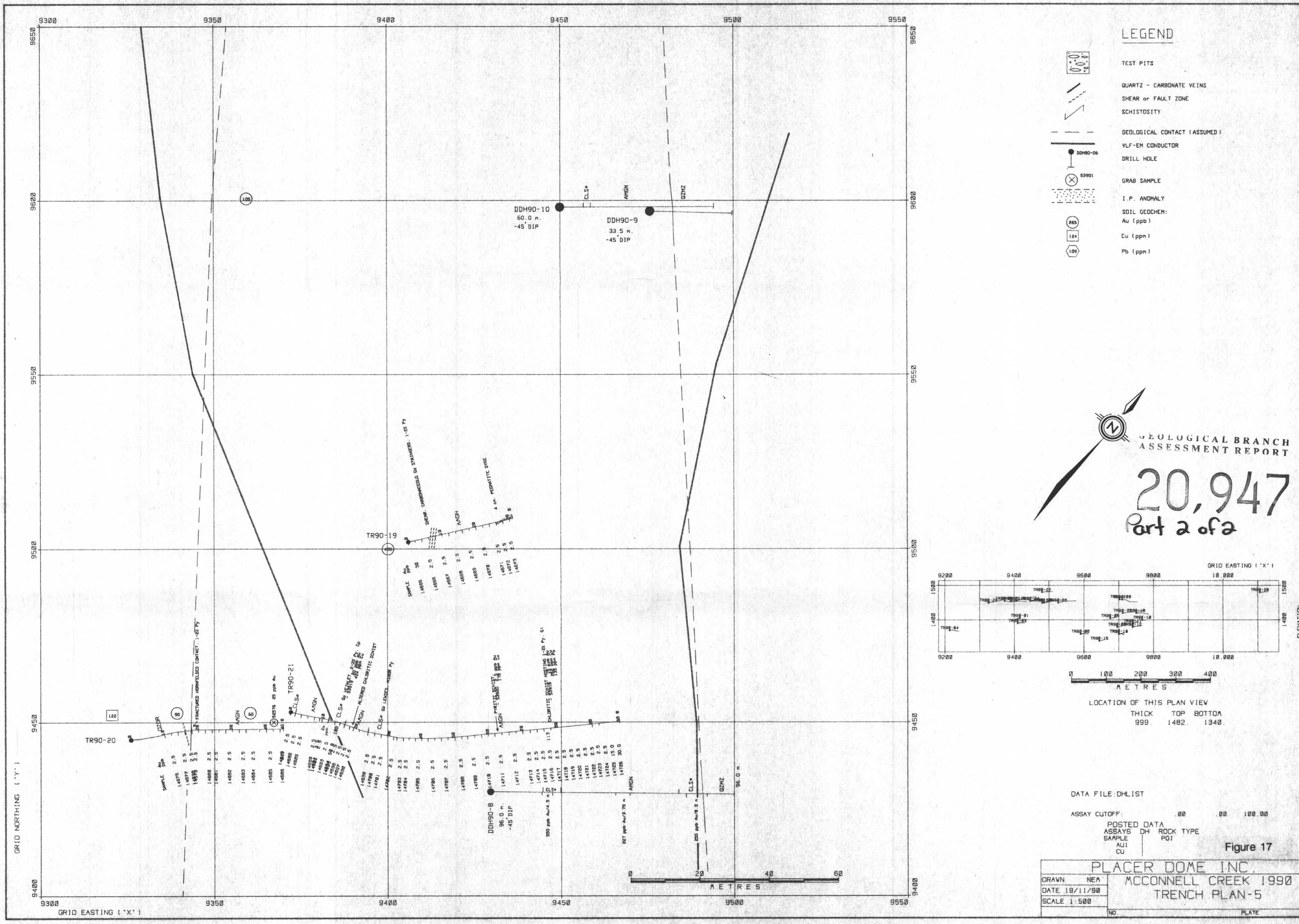
PLACER DOME INC.

DRAWN NEA	MCCONNELL CREEK 1990
DATE 19/11/90	TRENCH PLAN-3
SCALE 1:500	
NO.	PLATE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,947
Part 2 of 2

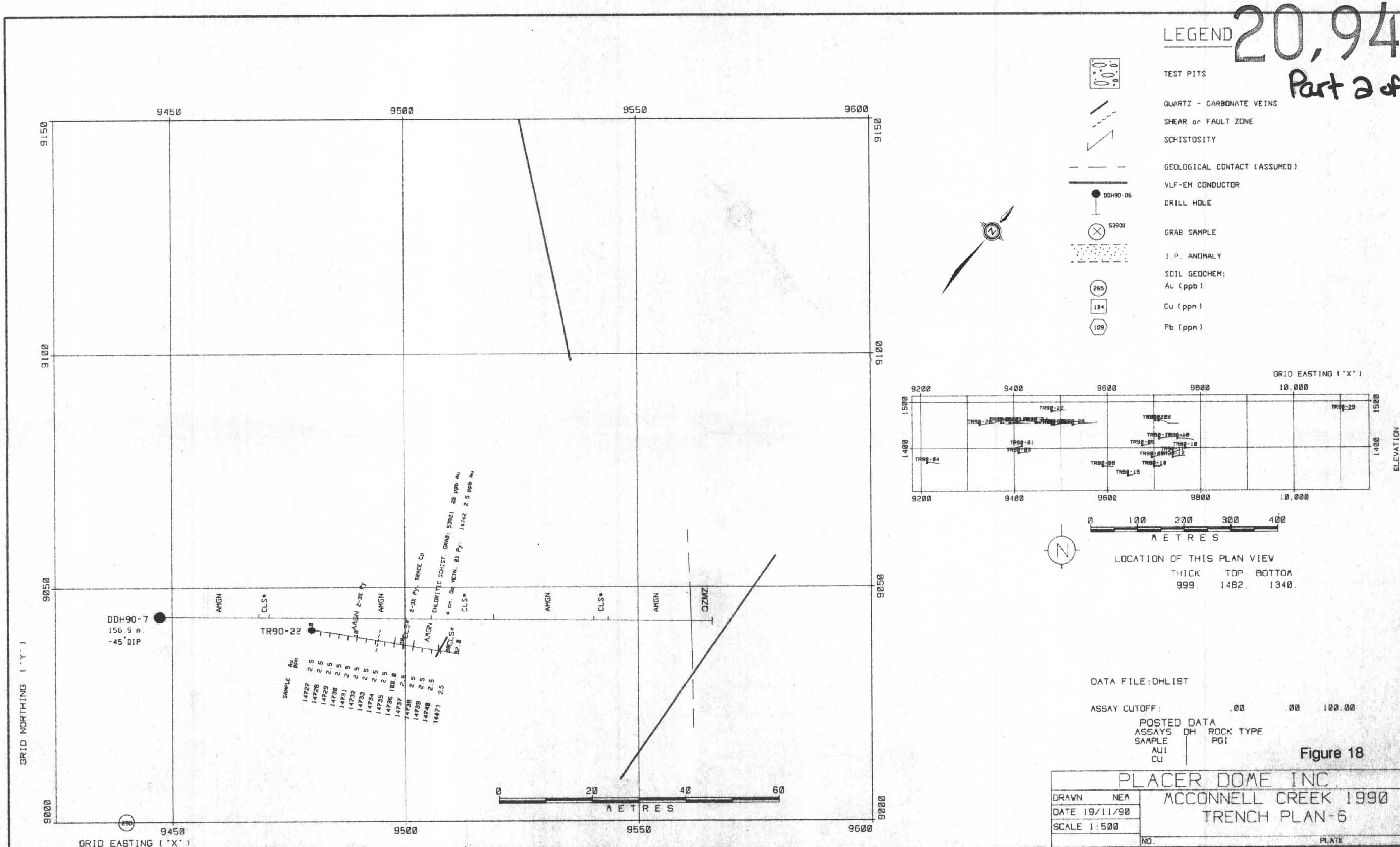




LEGEND
TEST PITS
QUARTZ - CARBONATE VEINS
SHEAR or FAULT ZONE
SCHISTOSITY
GEOLOGICAL CONTACT (ASSUMED)
VLF-EM CONDUCTOR
DRILL HOLE
GRAB SAMPLE
I.P. ANOMALY
SOIL GEOCHEM:
Au (ppb)
Cu (ppm)
Pb (ppm)
GEOLOGICAL BRANCH
ASSESSMENT REPORT
20,947
Part 2 of 2
DDH90-10
60.0 m.
-45° DIP
DDH90-9
33.5 m.
-45° DIP
DDH90-8
96.0 m.
-45° DIP
TR90-19
TR90-20
TR90-21
GRID NORTHING ('Y')
GRID EASTING ('X')
METRES
LOCATION OF THIS PLAN VIEW
THICK TOP BOTTOM
999. 1482. 1340.
DATA FILE:DHLIST
ASSAY CUTOFF: .00 .00 100.00
POSTED DATA
ASSAYS DH ROCK TYPE
SAMPLE PGI
AUI
CU
Figure 17
PLACER DOME INC.
MCCONNELL CREEK 1990
TRENCH PLAN-5
DRAWN NEA
DATE 19/11/90
SCALE 1:500

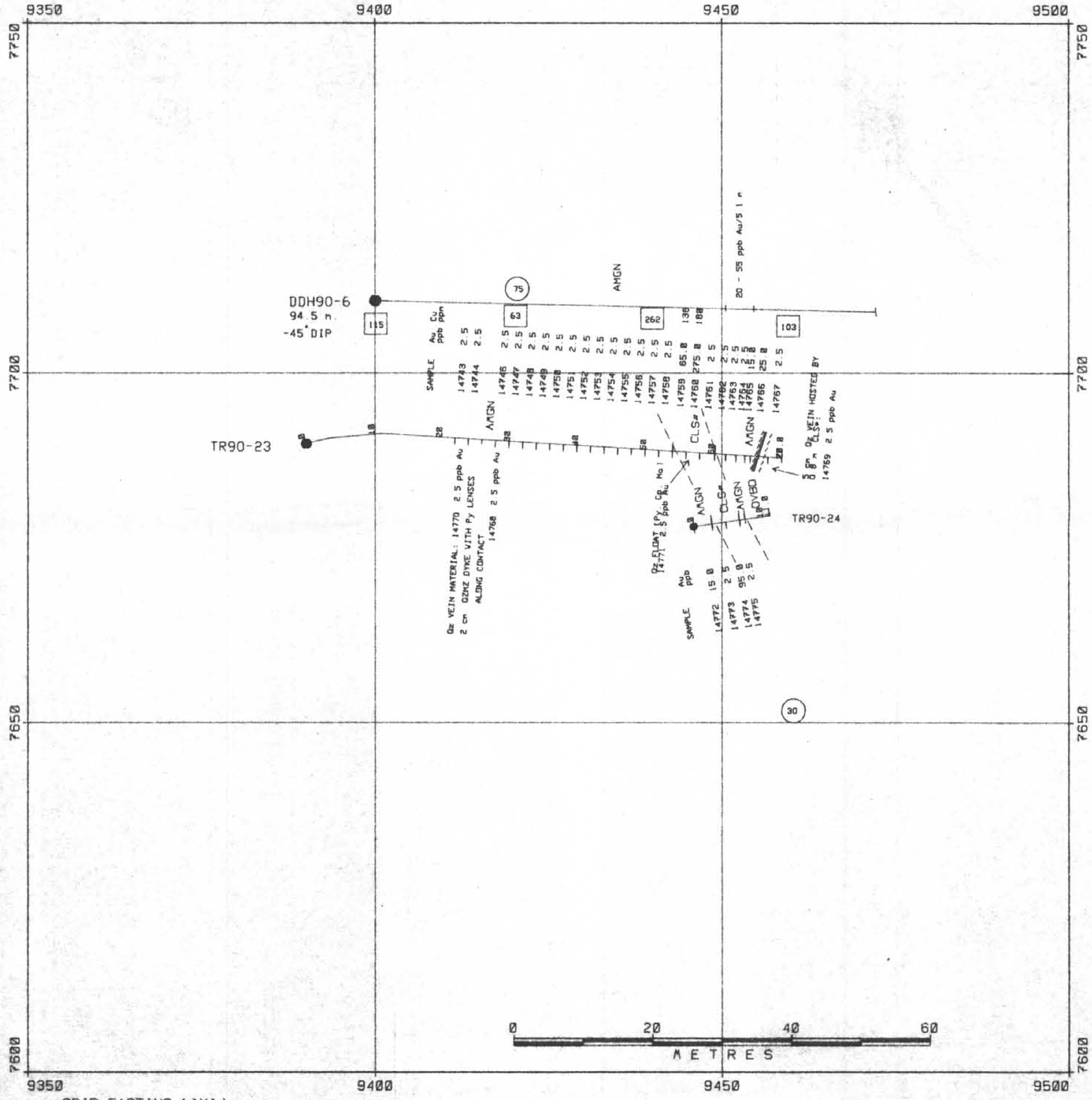
GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,947
Part 2 of 2



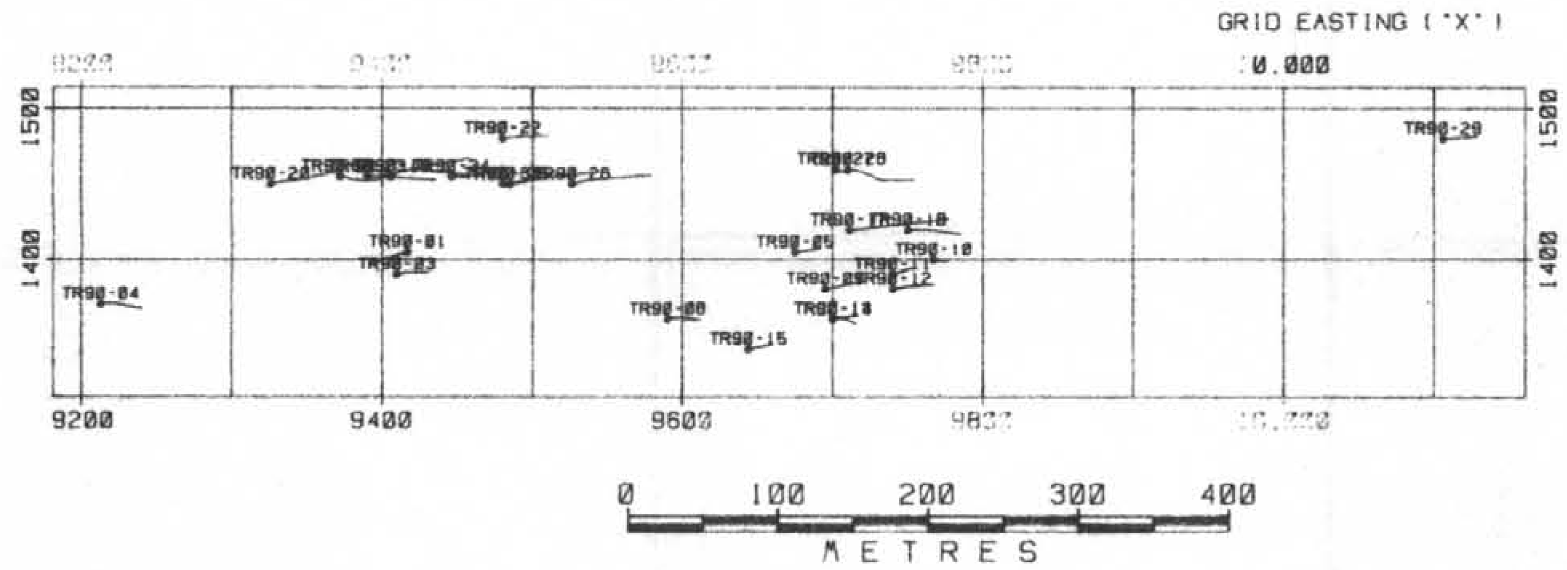
GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,947
Part 2 of 2



LEGEND

TEST PITS
QUARTZ - CARBONATE VEINS
SHEAR or FAULT ZONE
SCHISTOSITY
GEOLOGICAL CONTACT (ASSUMED)
VLF-EM CONDUCTOR
DRILL HOLE
GRAB SAMPLE
I.P. ANOMALY
SOIL GEOCHEM:
Au (ppb)
Cu (ppm)
Pb (ppm)



LOCATION OF THIS PLAN VIEW

THICK	TOP	BOTTOM
999.	1482.	1340.

DATA FILE:DHLIST

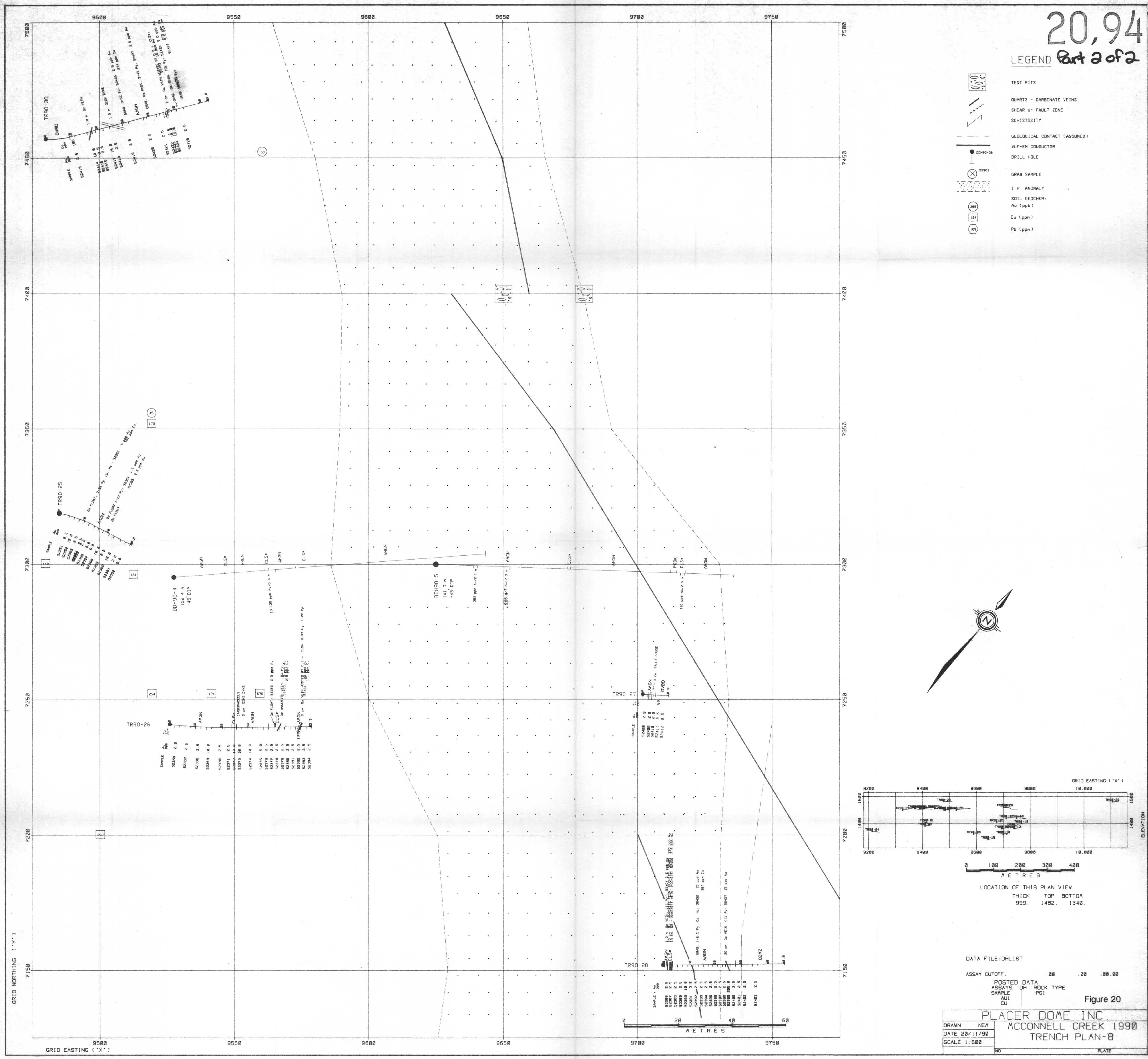
ASSAY CUTOFF: .00 .00 100.00

POSTED DATA
ASSAYS DH ROCK TYPE
SAMPLE PGI
AUI
CU

Figure 19

PLACER DOME INC.	
DRAWN NEM	MCCONNELL CREEK 1990
DATE 19/11/90	TRENCH PLAN-7
SCALE 1:500	
NO.	PLATE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

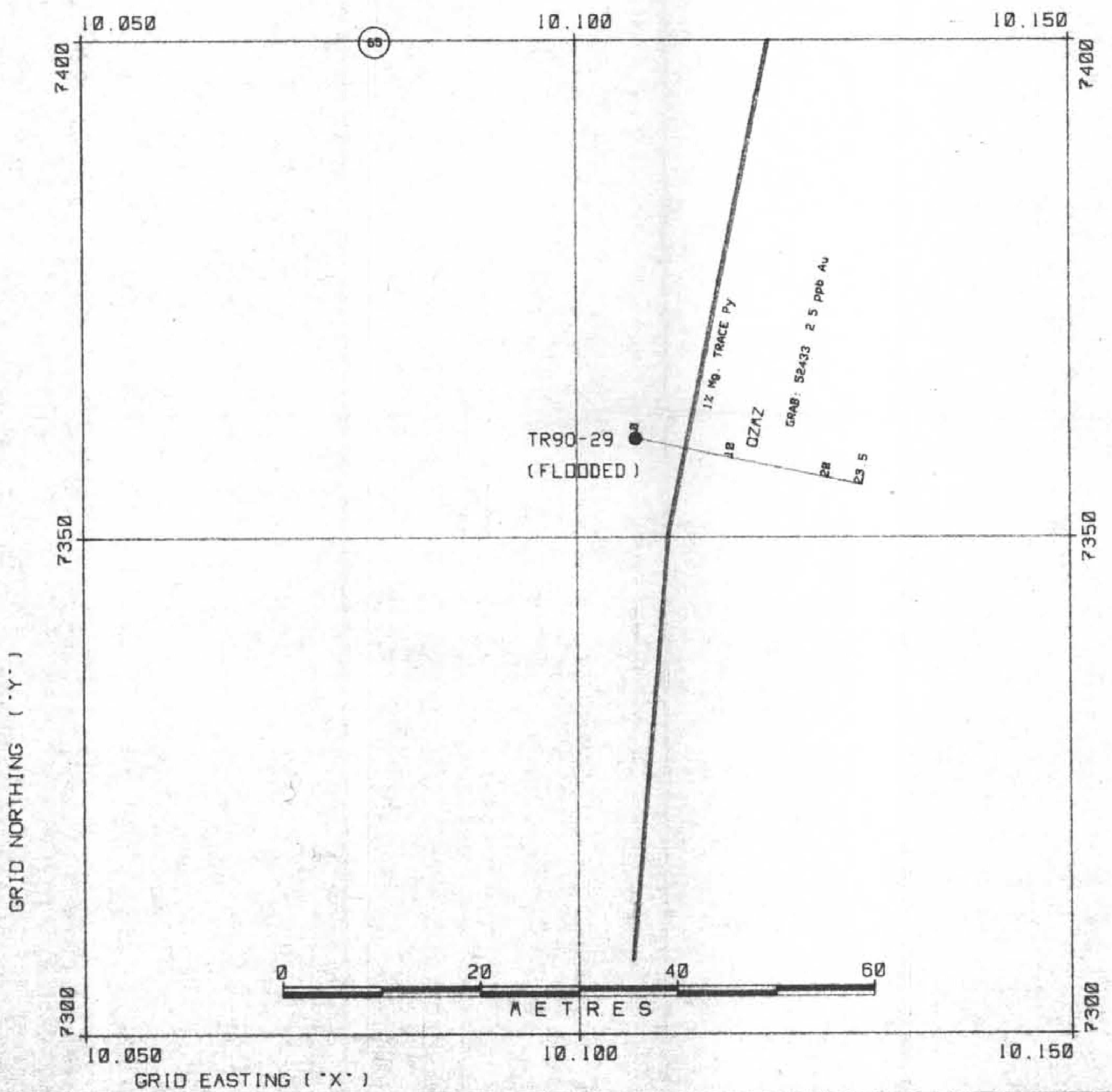


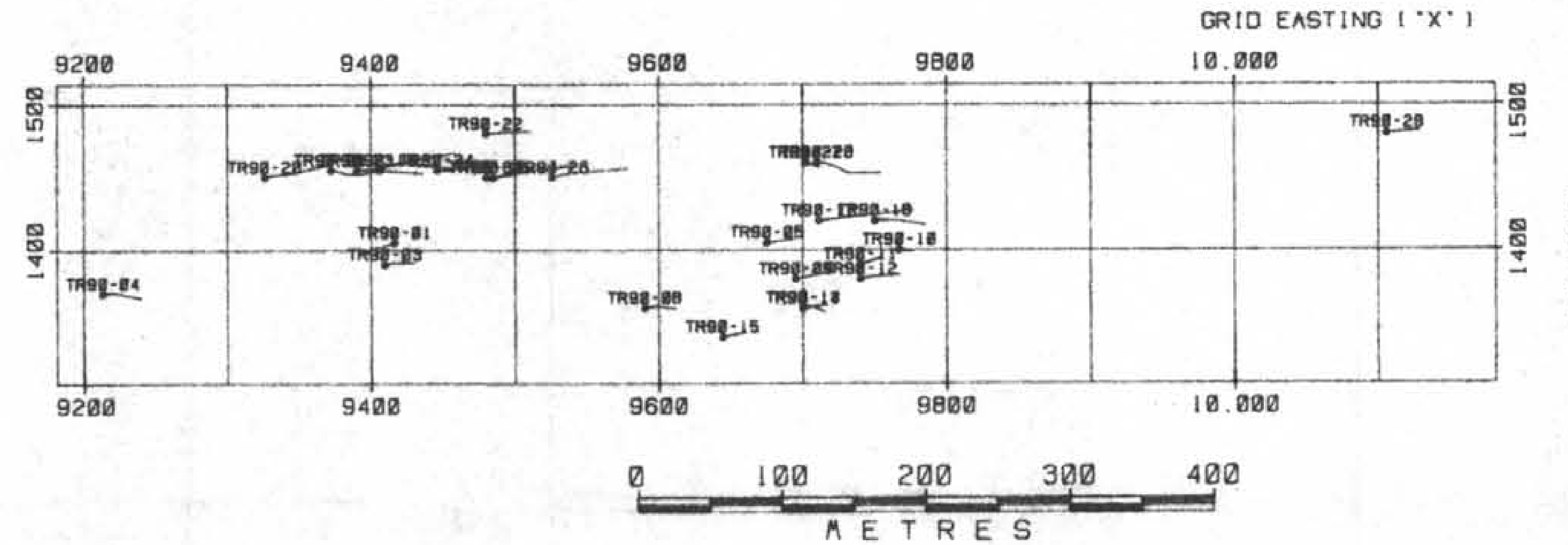
LEGEND

20,947
Part 2 of 2

VLF-EM CONDUCTOR

SOIL GEOCHEM:
(65) Au (ppb)





LOCATION OF THIS PLAN VIEW

THICK	TOP	BOTTOM
999.	1482.	1340.

DATA FILE: DHLIST

ASSAY CUTOFF: .00 .00 100.00

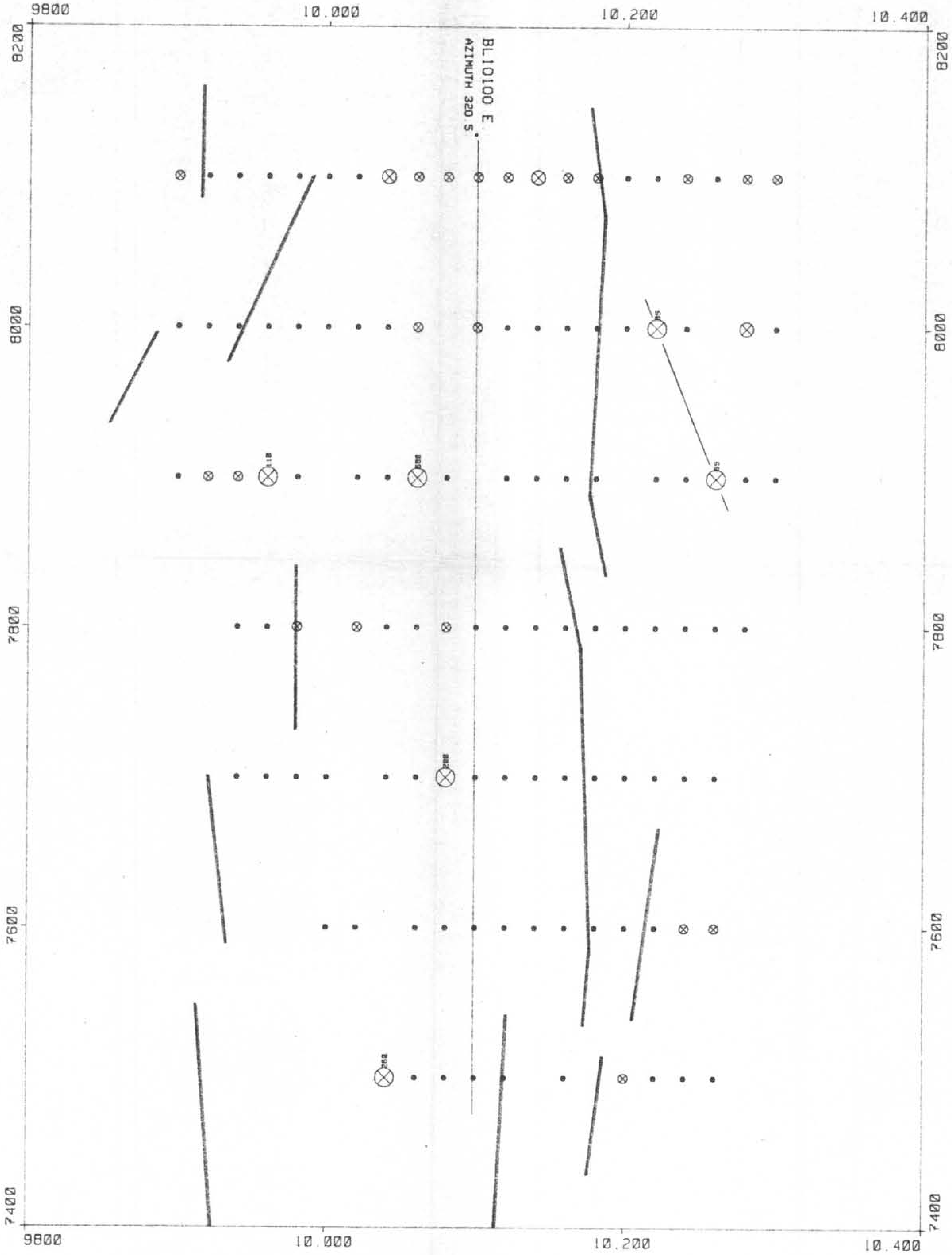
POSTED DATA

ASSAYS	DH	ROCK TYPE
SAMPLE AU1 CU		PGI

Figure 21

PLACER DOME INC.	
DRAWN NEM	MCCONNELL CREEK 1990
DATE 19/11/90	TRENCH PLAN-9
SCALE 1:500	
	NO. PLATE

MCCONNELL CREEK 1990
GOLD IN SOILS
SYMBOL PLOT



- GOLD < 5 PPB
- GOLD 5 - 25 PPB
- GOLD 26 - 50 PPB
- GOLD > 50 PPB

VLF - EM conductor axis

DATA PLOTTED ON THIS MAP:
SEE PLTLEG

	FIELD	FILE
POINTS:	AUI	MCSOIL90.ASS
POINTS:	AUI	MCSOIL90.ASS

0 100 200 300
METRES

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,947

Part 2 of 2

Figure 22

PLACER DOME INC.

DRAWN NEM	MCCONNELL CREEK 1990
DATE 24/10/90	GOLD IN SOILS
SCALE 1:2500	SYMBOL PLOT
	NO. PLATE

NEM CREATED RUN FILE: 15 26 24/10/90

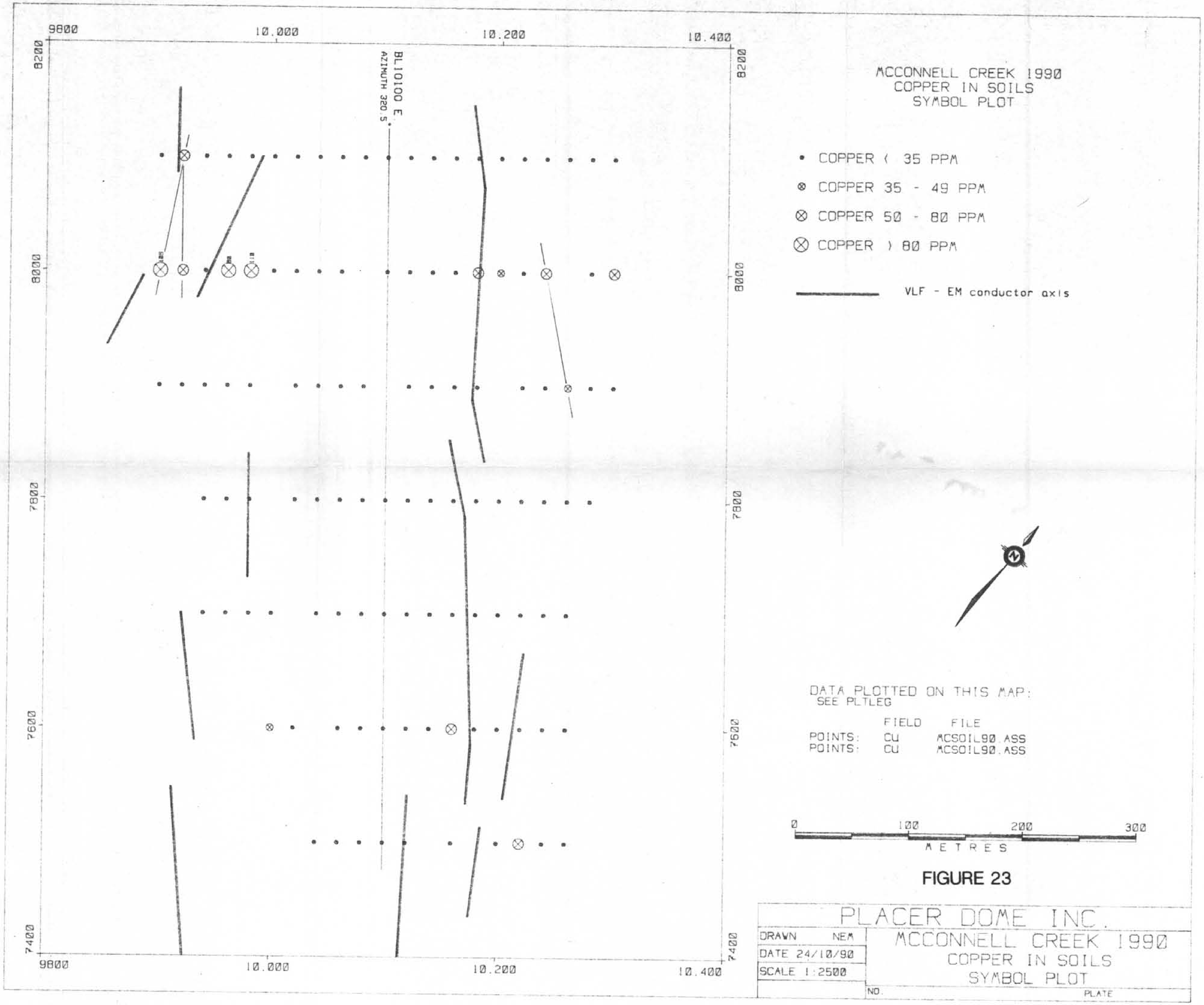


FIGURE 23

NEM CREATED RUN FILE 15:26 24/10/90

20947