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1992 GEOPHYSICAL AND DIAMOND DRILLING
ASSESSMENT REPORT
FOR THE
LAKE 1 to 5 and SEE 28 MINERAL CLAIMS
NTS 930/04

Lat. 55° 07'N Long. 123° 53'W

Omineca Mining Division

Operated by: Placer Dome Inc.,
1440 Hugh Allan Drive,
Kamloops, B.C.
V1S 1L8

Report by: Lorne Warner
Paul Turnbull

February, 1992

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

22,301

TABLE OF CONTENTS

	<u>PAGE</u>
1.0 SUMMARY	1
2.0 CONCLUSIONS AND RECOMMENDATIONS	2
3.0 INTRODUCTION	2
4.0 DESCRIPTION OF PROPERTY	
4.1 Objectives	2
4.2 Work Performed	3
4.3 Location and Access	3
4.4 Physiography and Land Use	3
4.5 Claims	4
5.0 PROPERTY HISTORY	4
6.0 GEOLOGY	5
6.1 Regional Geology	5
6.2 Property Geology	6
7.0 1992 WINTER EXPLORATION PROGRAM	
7.1 Grid	7
7.2 Geophysics	8
7.2.1 Magnetometer Survey	8
7.2.2 VLF-EM 16 Survey	8
7.2.3 Induced Polarization Survey	8
7.3 Diamond Drilling	9
8.0 STATEMENT OF EXPENDITURES	13
9.0 STATEMENT OF QUALIFICATIONS	14
10.0 ANALYTICAL TECHNIQUES AND DETECTION LIMITS ...	16

Appendix I - Diamond Drill Geologs and Definitions

Appendix II - Core Sample Results (I.C.P. + Au Geochem)

Appendix III - Sludge Sample Results (I.C.P. + Au Geochem)

LIST OF FIGURES

- Figure 1 Property Location
- Figure 2 Claim Map
- Figure 3 Grid map @ 1:5 000
- Figure 4 Regional Geology Map
- Figure 5 Base Map with Drill Hole Locations
- Figure 6 Magnetic Contour Map
- Figure 7 VLF EM-16 Profile Map
- Figure 8 Induced Polarization Chargeability Map
- Figure 9 Induced Polarization Resistivity Map
- Figure 10A Drill Hole Cross-Section: 92-883, 92-884, 92-885
- Figure 10B Drill Hole Cross-Section: 92-886

1.0 SUMMARY

Extention of the main grid, followed by magnetometer, VLF EM-16 and induced polarization surveys, as well as a four hole, diamond drilling program was completed on the Lake 1 and 2 and See 28 claims from February 1 to 18, of this year.

The newly established grid covers most of the western Philip Lakes and is a south extension of the Main Grid, where a large induced polarization, chargeability anomaly was found during the 1991 summmer program. The chargeability anomaly is located on the flank of a magnetic high, in a large swamp.

Winter IP extended the anomaly for at least three hundred metres to the south, beneath the lake. Faulting has then displaced the stratigraphy to the west approximately 200 metres and rotated it so that the anomalies trend south-west rather than due south as indicated by the mag/VLF and IP surveys.

A total of 604 metres of diamond drilling designed to test chargeability \pm magnetic highs was completed in two target areas. Firstly, three holes were placed in the large anomaly at the very south end of the Main grid; All of which intercepted extensive shearing and graphitic sediments. One hole was then placed over a moderate chargeability/magnetic high overlap in the north-eastern corner of the Main grid and intercepted several intervals of graphitic sediments.

These graphitic sediments are believed to be the main cause of the induced polarization anomalies, therefore the economic potential of the Lake claims is limited at best. Rare to trace amounts of chalcopryrite were recorded along a monzodiorite /volcanic contact in hole 92-886 from the 175 to 180 metre interval. Trace chalcopryrite blebs were also found in an augite porphyry flow at 212 m depth. No other copper mineralization was observed.

2.0 CONCLUSIONS AND RECOMMENDATIONS

Based on work performed, the following conclusions have been made:

- (i) Diamond drilling has confirmed that the IP chargeability anomalies on the Main grid are the result of graphitic sediments, but may have also been enhanced by the swamp.
- (ii) No extensive sulphide or hydrothermal alteration system related to a porphyry type environment is present in the two target areas.
- (iii) The magnetic high is the result of dry monzo-diorite body(s), which at best contain 2-5% pyrite (usually less than 1%) and minor amounts of magnetite. Magnetite is also present in some porous siltstones. Minor amounts of pyrrhotite along fractures in some of the intrusive dykes may also be enhancing the magnetic high.

As there is little evidence of an intrusive centred, hydrothermal system present on the Lake Property, it is recommended that no additional exploration be conducted.

3.0 INTRODUCTION

Placer Dome Inc. optioned the Lake 1-5 claims from Dellaterra Resources Ltd. in February 1991. The See 28 is owned 100% by Place Dome Inc. Until the summer of 1991, these claims had received very little systematic exploration.

4.0 DESCRIPTION OF PROPERTY

4.1 Objectives

There were two main objectives of the winter program: Firstly, to define the extent of the large induced polarization anomaly at the southernmost end of the Main grid, and secondly, to determine the source of the induced polarization anomalies through diamond drilling.

4.2 Work Performed

During the period February 1 to 19, 1992, Placer Dome Inc. personnel, conducted a work program on the Lake 1 and 2 and See 28 claims. This consisted of 11.6 km of grid line installation, ground magnetics/VLF EM, and 14.3 km of induced polarization. Four diamond drill holes, in two target areas for a total of 603.7 metres were then completed.

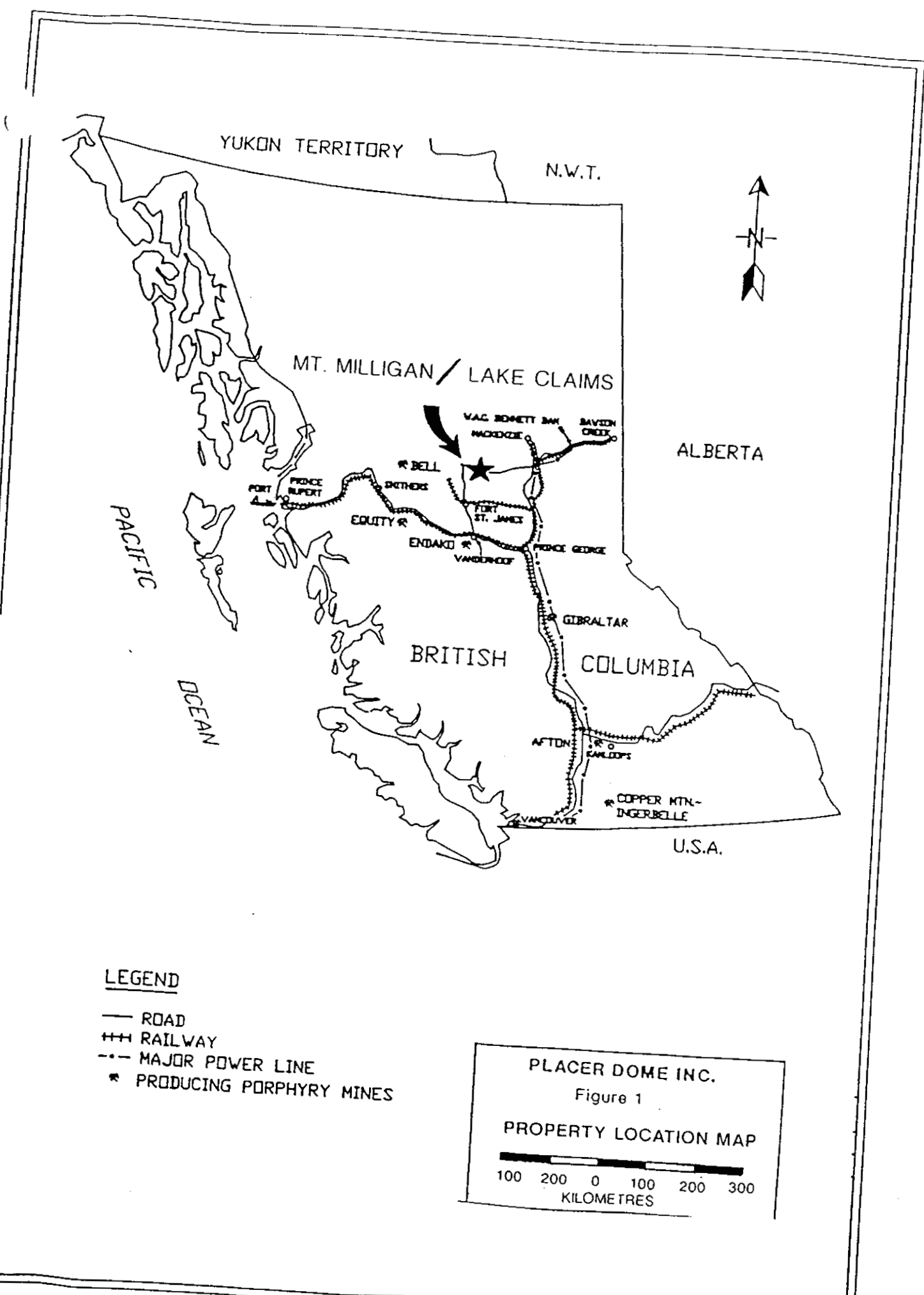
4.3 Location and Access

The Philip Lake property is located approximately 120 km southwest of Mackenzie in central British Columbia (Figure 1). Rainbow Creek (known for several placer gold workings) meanders within 1 km of the western edge of the Lake 2 claim. The Philip Lake property lies about 9 km east of the Mt. Milligan deposits.

Access to the property from Prince George is via Highway 97 to Windy Point, 18 km west on the Pack River road, and then 70 km southwest on the Philip Mainline logging road. The Mt. Milligan exploration camp is approximately 11 km to the west. Fletcher Challenge, based in Mackenzie, is currently logging in this area. The Philip road crosses the Lake 2 claim. The Lake 1 claim is accessed via the P22000 branch line. The southern claims are also accessible by secondary logging roads.

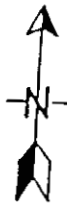
4.4 Physiography and Land Use

The Philip Lake property is in hilly terrain, with moderate slopes rising from about 990 m to a maximum of 1150 m above sea level. Fletcher Challenge has logged approximately 70% of the property, and remaining forest cover consists largely of balsam fir and lodgepole pine, with spruce and poplar in the low lying wet areas. Underbrush is moderate to thick, consisting of tag alder, young fir and buckbrush.



YUKON TERRITORY

N.W.T.



MT. MILLIGAN / LAKE CLAIMS

ALBERTA

PACIFIC OCEAN

VAC BOWETT BAY
 SAVOIN CREEK
 WAGDOOZE
 BELL
 SUTHERS
 EQUITY
 ENDAKO
 VANGUARD
 FORT ST. JAMES
 PRINCE GEORGE
 GIBRALTAR
 AFTON
 R.O. EARLEDS
 COPPER MTN-
 INGERBELLE
 VANCOUVER

BRITISH COLUMBIA

U.S.A.

LEGEND

- ROAD
- +++ RAILWAY
- .- MAJOR POWER LINE
- * PRODUCING PORPHYRY MINES

PLACER DOME INC.
 Figure 1
 PROPERTY LOCATION MAP

100 200 0 100 200 300
 KILOMETRES

4.5 Claim Status

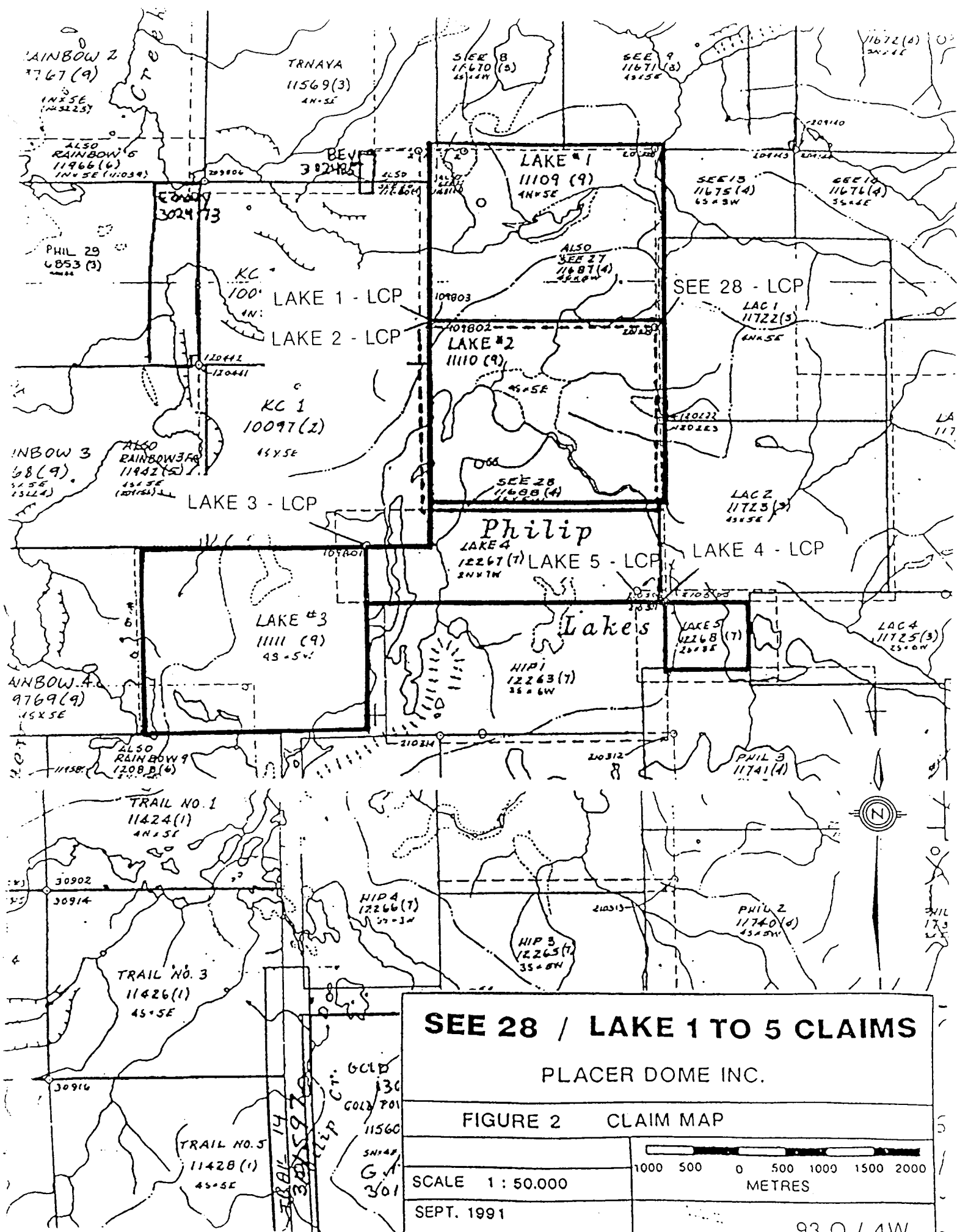
The Philip lake property consists of 5 mineral claims, as well as one fractional claim (Figures 2 and 3), totalling 84 units. The See 28 claim is overstaked, resulting in 16 units of overlap onto the pre-existing Lake 2 claim. Claim status follows:

<u>Name</u>	<u>Units</u>	<u>Record No.</u>	<u>Expiry Date</u>	<u>Owner</u>
Lake 1	20	11109	Sept.12, 1996	Dellaterra Resources
Lake 2	20	11110	Sept.12, 1996	Dellaterra Resources
Lake 3	20	11111	Sept.11, 1996	Dellaterra Resources
Lake 4	14	12267	July 07, 1996	Dellaterra Resources
Lake 5	06	12268	July 07, 1996	Dellaterra Resources
See 28	20	11688	Apr. 05, 1996	Placer Dome Inc.

The Lake 1 to 3 claims were staked by David L. Cooke of Surrey, B.C. on Sept. 11 & 12, 1989. Continental Gold Corp. staked the See 28 claim on April 05, 1990. Placer Dome Inc. gained control of the See 28 claim after the Continental Gold takeover. The Lake 4 and 5 claims were staked by D.L.Cooke on Sept. 07, 1990. The Lake 1 - 5 claims are the subject of an option agreement between D.L. Cooke and Dellaterra Resources Ltd, and were optioned by Placer Dome in February 1991; Placer Dome is the present operator.

5.0 PROPERTY HISTORY

The first recorded mineral exploration work on the property began with David L. Cooke, Ph.D.,P.Eng in June 1990. Cooke sampled the sparse outcrops and residual soils in the Fletcher Challenge logging areas. Geological mapping and soil grids were completed to find the extent of quartz-carbonate mineralization previously found in float material. Slightly anomalous values for gold(+ 10 ppb), silver(+ 1.0 ppm), arsenic(+ 20 ppm), and copper(+ 100 ppm) were found in irregular distribution for the gridded soils. This can be explained by the variable depths and types of glacial overburden, which may have masked a normal geochemical response from underlying bedrock. Cooke thought there was potential for a porphyry deposit in this region, and therefore recommended additional exploration.



SEE 28 / LAKE 1 TO 5 CLAIMS

PLACER DOME INC.

FIGURE 2 CLAIM MAP

SCALE 1:50,000

SEPT. 1991



93 O / 4W

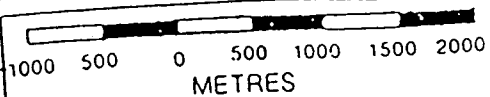
SEE 28 / LAKE 1 TO 5 CLAIMS

PLACER DOME INC.

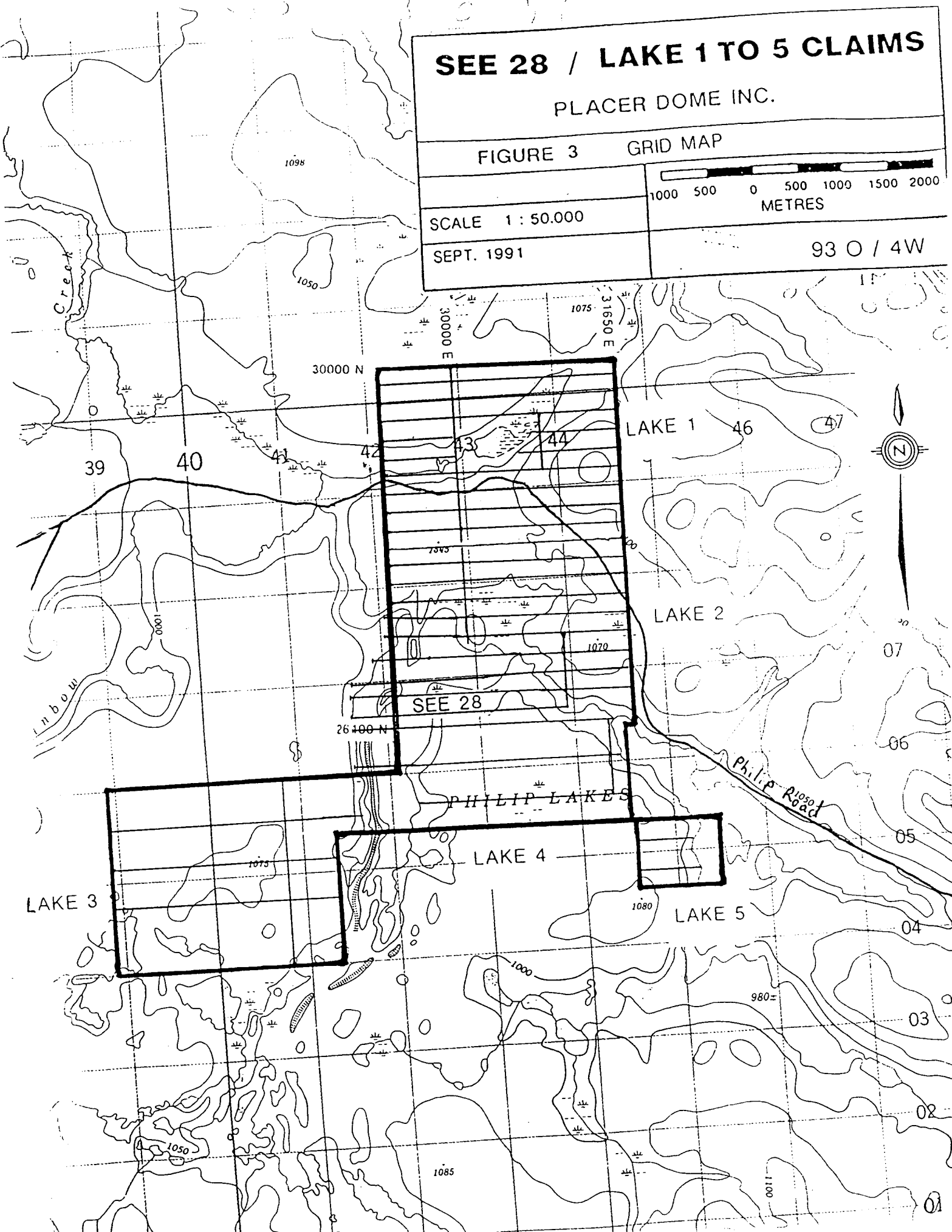
FIGURE 3 GRID MAP

SCALE 1 : 50,000

SEPT. 1991



93 O / 4W



Field work by Placer Dome on the Philip Lake Property commenced June, 1991 and was completed in July 19, 1991. Within this time frame, 70 km of line was cut and picketed. Soil sampling, induced polarization, ground magnetic/VLF EM and geological surveys were completed over this grid. Geologic mapping and prospecting over the Lake claims was inconclusive since the entire property is veiled by glacial overburden, and outcrops are very sparse. Two induced polarization, chargeability anomalies on the flank of a large magnetic high were located in areas of extensive overburden.

6.0 GEOLOGY

6.1 Regional Geology

Nelson et al (1991) indicate that the Wittsichica and Tezzeron map sheet areas, 93N/1 and 93K/16 respectively, are underlain by volcanic and volcanic sedimentary rocks of the Triassic Takla group. These are thought to be of submarine, island arc origin, due to the pillow structures and lack of reworked volcanic sediments. Eocene and Oligocene volcanic sediments and basalts, and Quaternary basalts unconformably overlie the Takla Group units in certain localities. The Philip Lake map sheet, 93 O/4, is thought to be partly underlain by similar rock types.

Takla lithologies appear to form a basin with older pelites and epiclastics of the Rainbow Creek Formation conformably grading up into Inzana Lake volcanic sediments and tuffs, followed by Witch Lake augite porphyry tuffs and flows, and capped by Chuchi Lake agglomerates, flows and breccias.

Intrusive rocks coeval with Takla volcanism include monzodiorites and monzonites which are mainly coarse to medium grained and equigranular. Porphyry style copper-gold mineralization is spatially related to monzonitic crowded feldspar porphyrys of similar age at Mt. Milligan.

Cretaceous-aged granites and quartz monzonite porphyrys of the Omineca intrusive suite comprise the youngest intrusive event in the region.

Regional mapping by J.E. Muller in 1960, and B. Struik in 1991 (Figure 4) concluded that most of the Philip Lake property is underlain by Late Triassic-Early Jurassic Takla volcanics, having a faulted contact with Permian Slide Mountain rocks in the northeastern part of the Lake

- WEST OF MCLEOD LAKE FAULT**
- TERTIARY**
- [V] basalt
 - [U] biotite granite
- LIGNITE PLUTON**
- [T] biotite granite
- CRETACEOUS AND TERTIARY**
- WOLVERINE COMPLEX (P-S)**
- [S] granite pegmatite
 - [R] foliated granodiorite
- TRIASSIC AND LOWER JURASSIC**
- TAKLA GROUP (J-O)**
- [O] red fragmental basalt
 - [N] pyroxenite
 - [M] fragmental augite porphyry basalt, limestone
 - Tobor Mtn succession
 - [L] phyllite, greywacke, limestone
 - Philip Ck succession (J-K)
 - [K] volcanicslastic basalt, diorite
 - [J] limestone
- CARBONIFEROUS OR PERMIAN**
- [H] diorite
 - [C] Scovil Diorite
- ORDOVICIAN(?) TO LOWER CARBONIFEROUS**
- EARN GROUP AND (?) ROAD RIVER GROUPS (E-F)**
- [F] micaceous quartzite, tuff, phyllite, marble
 - [E] siltite, phyllite, conglomerate quartzite, limestone, basalt
- LOWER CAMBRIAN**
- ATAN GROUP**
- [D] quartzite, limestone, marble
- EAST OF MCLEOD LAKE FAULT**
- CAMBRIAN**
- KECHIKA GROUP AND SKOKI FORMATION**
- [C] limestone, dolostone, phyllite
- LOWER CAMBRIAN**
- GOG GROUP**
- [B] Bq: quartzite, slate, siltstone
 - [B] Bl: limestone, dolostone
- PRECAMBRIAN**
- MISINCHINKA GROUP**
- [A] quartzite, slate, siltstone
 - [A] conglomerate
- Legend**
- Contacts (approx. & assum.) ———
 - Faults (approx. & assum.) ———
 - Anticline, asymmetric to hook ———
 - Syncline, asymmetric to hook ———

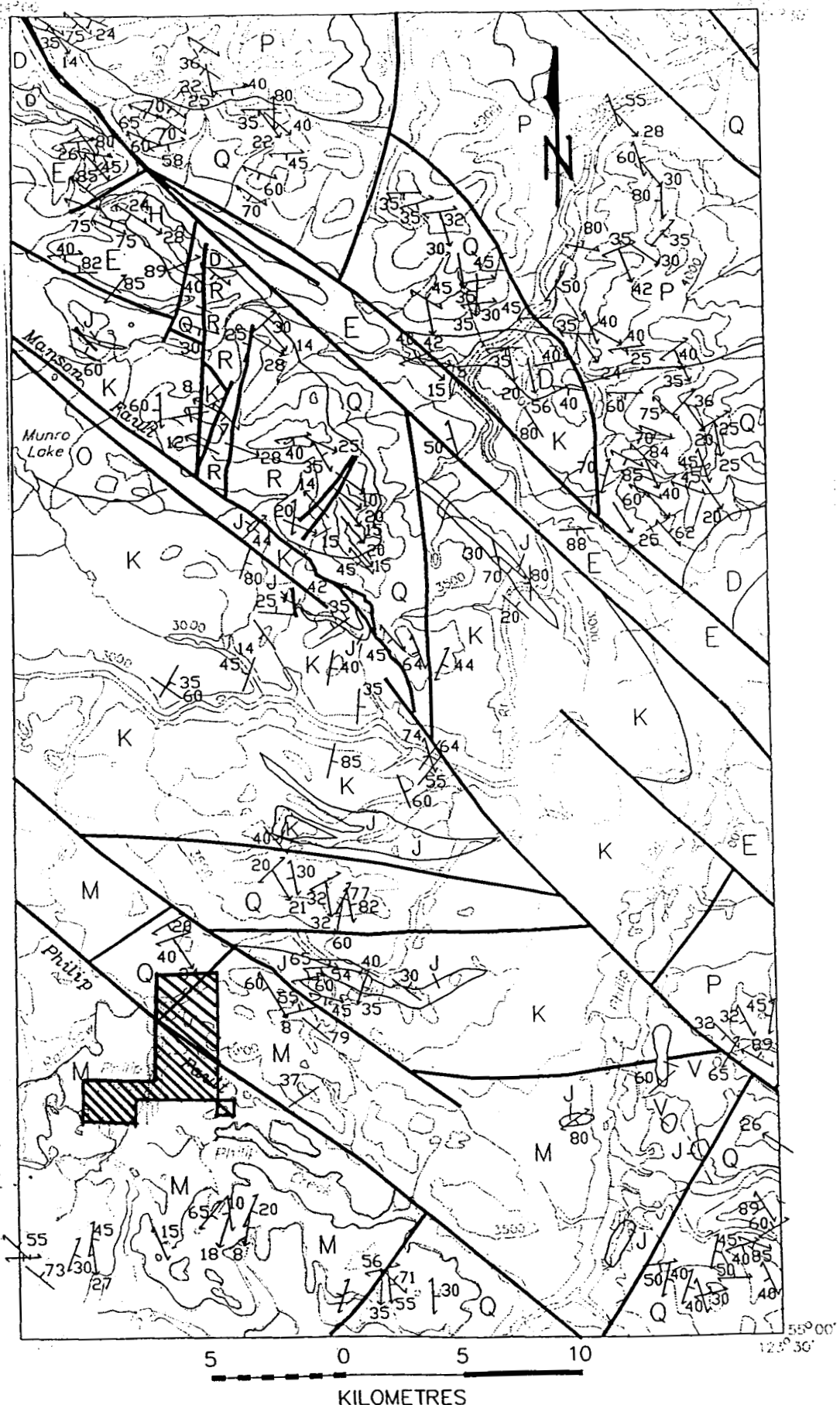


FIGURE 4 Geology of the 930/5 and 930/4 map areas at approximately 1:250 000 scale

claim. Struik also proposes a fault block of Wolverine Complex amphibolites and gneisses, which may have been rotated into position just north of Philip Lake, and emplaced between Takla fragmentals. These lithologies have been cut by a major NW-trending structure named the Philip Fault.

The BCGS (Dan Kerr et al, 1990) compiled a surficial geology map of the Philip Lake region. The lake claims are blanketed by mainly glacial lake sediments, with some fluvio-glacial material on the northeastern edge of the claim block.

6.2 Property Geology

Outcrop exposure on the Philip Lake Property is limited to creek gulleys and higher, steeper elevations. A thick blanket of glacial silt and sand effectively masks bedrock, making geological mapping and interpretation difficult. Six outcrops are presently known to occur on the entire property.

Three lithologic units have been recognized on the Philip Lake Property. These include Witch Lake intermediate fragmental volcanics, a monzonite dyke of indeterminate age and an amphibolite exposed in the northeast part of the property which is thought to belong to the Permian Slide Mountain Group (Muller, 1960) or possibly Wolverine complex (Struik, 1991). One outcrop of sheared amphibolite, (occurring roughly 500 m east of DDH 92-885), was uncovered during drill road construction in Feb. 1992.

A roadcut exposure of propylitically altered augite porphyry tuff breccia was observed in the central claims area. Outcrops of lapilli tuff and monzonite were found in the hills of the Lake 4 and 5 claims.

There are indications of a broad, weak propylitic alteration halo on the northern flank of the airborne mag anomaly, suggesting the presence of an intrusive-centered hydrothermal system. Volcanics commonly contain pyrite, epidote, chlorite and calcite alteration, with a variable shear fabric.

7.0 1992 WINTER EXPLORATION PROGRAM

7.1 Grid

Eight east-west lines, at 200 metre intervals and 25 metre stations, were completed mainly over the western most Philip Lake, from February 2 to 5. The 11.6 kilometres of new line was tied into the existing grid. In addition, 2.7 kilometres of old grid (1991) was re-established for the purpose of geophysical overlap. All flags and pickets were removed from the lake following the completion of the geophysical surveys. Both Figures 3 and 5 outline all of the grid lines established on the property since June, 1991.

7.2 Geophysics

7.2.1 Magnetometer Survey and Results

The new grid and most of the re-established old grid was surveyed by Tracy Campbell in 2.25 man-days. The new survey appears to have correlated well with the 1991 survey and shows that the magnetic high feature continues to the south (Figure 6). On Line 26600N, the magnetic anomaly begins to swing to the south-west, probably due to a north-west trending fault crossing the area.

The high magnetic noise encountered during the 1991 survey was also present during this survey when readings were being taken over land. Once on the lake, however, the readings were not as erratic.

7.2.2 VLF-EM 16 Survey and Results

The entire new grid, except for approximately 750 metres on the east side of Line 26600N, was surveyed (Figure 7). A VLF anomaly on the west side of the grid gives similar orientation changes as the magnetometer survey. On Line 26600N the VLF anomaly changes its strike from due south to south-west.

7.2.3 Induced Polarization Survey and Results

Lloyd Geophysics's IP crew began field work on February 6 and surveyed approximately 14.3 kilometres by February 13 with two full days lost to atmospheric noise.

Using the twenty millisecond contour for outlining anomalous areas, the new survey extended the 1991 summer chargeability anomaly south to Line 26600N (Figure 8). Induced polarization anomalies occurring south of Line 26600N are displaced to the west and trend south-west just as the magnetometer and VLF surveys indicated.

7.3 Diamond Drilling

Three holes were drilled in the southern IP anomaly, centered on the eastern edge of the main swamp, south of the clearcut. One deep hole was put in the north-east corner of the claim block on a moderate chargeability anomaly. It appears that most of the chargeability anomalies are caused by the occurrence of graphitic horizons in the fine grained sediments. There are sulphides present, mostly in the finer grained monzodiorites, but their concentrations are generally less than 1%. Figure 5 is a base map that shows all of the 1992 drill hole locations. Figures 10A/B are crosssections of drill holes 92-883 to 885 and 92-886, respectively. Listed below are capsule summaries of the four drill holes completed during the winter program:

DDH-92-883

Line 27000N/30650E

-90° dip; Total depth = 91.4 m

0.00m	10.00m	Overburden
10.00	23.20	Graphitic Siltstone/Argillite
23.20	45.50	Coarse Grn Qtz-Plag Monzodiorite Porphyry
		(fault zone from 14.10 to 25.50 m)
45.50	46.60	Graphitic Fault Zone
46.10	58.10	Fine Grn Plag Monzodiorite 5%py
58.10	76.45	Fine Grn Chloritic Andesitic Crystal Tuff, tr py, graphite in shears.
76.45	80.95	Plag Monzodiorite Dyke, tr py
80.95	91.40	Sheared Andesitic Tuff, tr py
91.40m		End of Hole

The purpose of drilling 92-883 at this location was to determine the source of the IP chargeability anomaly. The graphitic siltstone/argillite from 10.00 to 23.20 metres is quite conductive. Numerous shear and fault zones containing graphite were also intercepted and are conductive.

DDH-92-884

Line 26900N/30400E

-90° dip; Total depth = 130.10m

0.00m	17.10m	Overburden
17.40	22.10	Coarse Grn Qtz-Plag Monzodiorite Porphyry, tr py
22.10	23.95	Fault Zone, graphitic
23.95	33.20	Fine Grn Monzodiorite 5% py
33.20	38.80	Augite Monzodiorite Porphyry
38.80	50.80	Fine Grn Andesitic Crystal Tuff
50.80	66.10	Augite Plag Monzodiorite Porphyry, shears with graphite
66.10	84.50	Augite Plag Crystal Tuff, tr py
84.50	89.30	Plag Monzodiorite Porphyry Dyke magnetite with tr py
89.30	130.10	Sheared Augite Plag Bedded Tuff tr py
130.10m		End of Hole

92-884 is located on the flank of the magnetic anomaly in moderate to high IP chargeability values. Several shear zones containing graphite were encountered, however swampy conditions occur in this area which may have also enhanced the IP response. The 'sparse' Plagioclase Monzodiorite Porphyry intercepted at 84.50 to 89.30 m is magnetic and may represent the rock type responsible for the magnetic high located approximately 100 metres west of the hole.

DDH-92-885

Line 27450N/30450E

114° azm., -60° dip; Total depth = 157.58 m

0.00	15.00m	Overburden
15.00	25.20	Tuffaceous Siltstone
25.10	40.15	Crowded Plag Monzodiorite Dyke 1-2 % py
40.15	65.85	Mineralized Plag Mozodiorite Dyke 2-4 % py
65.85	83.71	Chloritized Augite Plag Crystal Tuff
83.71	88.30	Plag Monzodiorite Dyke
88.30	153.80	Chloritized Augite Plag Bedded Tuff, tr py
153.80	157.58	Augite Plag Por Diorite
157.58m		End of Hole

92-885 was designed to test a moderate IP, chargeability anomaly, coincident with a magnetic high. The chargeability anomaly appeared to be structurally related, therefore the hole was inclined to -60° and drilled on a bearing of 114° in order to cross-cut the structure.

Magnetite was observed in several of the monzodioritic dykes which can explain the magnetic high. Extensive shearing, as well as several mineralized dykes and minor amounts of graphite may explain the moderate chargeability anomaly. The exact structure or lithologic unit responsible for the chargeability anomaly is unclear, but is probably the result of all of the above mentioned factors.

DDH-92-886

Line 28780N/31720E

-90° dip; Total Depth = 224.6m

0.00 m	30.48	Overburden
30.48	86.50	Graphitic Siltstone/Mudstone
86.50	89.70	Plag Porphyry Monzodiorite Dyke 1-2 % py
89.70	116.70	Augite Plag Porphyritic Bedded Tuff tr py
116.70	130.00	Carbonatized Monzodiorite Porphyry 5% py
130.00	154.30	Chloritic Bedded Tuff 2% py
154.30	161.60	Hybrid 2-3% py Healed Fault ?
161.60	167.00	Plag Monzodiorite 5% py
167.00	177.00	Hybrid .5 % py Tr po,cpy
177.00	193.70	Chloritic Bedded Tuff silt/sand size, 2% py, tr cpy @ 184.0 m
193.70	196.00	Plg Monzodiorite .3 % py
196.00	224.60	Augite Porphyry Flow minor py, tr po, cpy @ 212.6 m
224.60 m		End of Hole

Hole 92-886 was planned to test a moderate IP chargeability anomaly coincident with a magnetic high. A thick succession of graphitic silt/mudstone from the 30.48 to 86.50 metre interval can easily explain the IP anomaly. Pyrrhotite with rare amounts of chalcopyrite in a large monzodioritic dyke may represent the source of the magnetic high at this location.

8.0 STATEMENT OF EXPENDITURES

Wages:

Lorne/Paul T./Tracy/Russel/Paul W./Ian	\$30670.00
Sludge Geochemical Analysis (30 element ICP and Gold by AAS) 178 samples @ \$13.00	2350.00
Core Geochemical Analysis (30 element ICP and Gold by AAS) 103 samples @ \$15.00	1550.00
Food	7000.00
Gas/Diesel/Propane	8500.00
Vehicle Costs (including Snowmobiles)	5000.00
IP/Mag/VLF Surveys	20000.00
Paul Fisher -Excavator/Cat/Loader/ Water Truck/Truck/Lowbed	16000.00
LDS Diamond Drilling	27000.00
Miscellaneous: Freight, Equipment, Supply Purchases	5000.00
Report Prep:	
P. Turnbull, 10 days @ 235/d	2350.00
L. Warner, 5 days @ 305/d	1525.00
T. Campbell, 2 days @ 235/d	470.00
P. Anbexer, 2 days @ 305/d	610.00

TOTAL -----
\$128,025.00

9.0 STATEMENT OF QUALIFICATIONS

I, Paul D. Turnbull, of Box 567, Castor, AB, do hereby certify that:

1. I graduated from the University of Alberta, Edmonton, AB, with a Bachelors of Science degree, Specialization in Geology, in April 1991.
2. From 1988 until the present I have been engaged in studying geology and/or working in mineral exploration in various regions of British Columbia. I have been continuously employed by Placer Dome Inc. since May, 1991.
3. I participated in the field work described in this report, and have compiled, reviewed and assessed the resulting data.

Respectfully Submitted by:

Paul D. Turnbull, B.Sc.

PLACER DOME INC.
Geologist

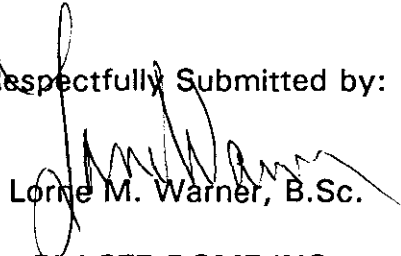
Date:

STATEMENT OF QUALIFICATIONS

I, Lorne M. Warner, of 2161 Perryville Place, Kamloops, B.C., do hereby certify that:

1. I graduated from the University of Alberta, Edmonton, Alberta, with a B.Sc degree in Geology in 1985.
2. From 1980 until present, I have been engaged in studying geology, and/or working in mineral exploration in various regions of British Columbia. I have been continuously employed by Placer Dome Inc. since June 1988.
3. I have supervised and carried out the field work and interpreted the data from the exploration program on the Lake claims, located in the Omineca Mining District.

Respectfully Submitted by:



Lorne M. Warner, B.Sc.

PLACER DOME INC.
Project Geologist

Date:

10.0 ANALYTICAL TECHNIQUES AND DETECTION LIMITS

Placer Dome Research Centre, Vancouver, BC

ElementWt(g)AttackTimeRangeMethod

Au (ppb)10.0Aqua Regia3 hrs5-4000A.A. Solvent
Extraction

Cu (ppm)0.5HClO₄/HNO₃4 hrs2-4000Atomic
Absorption

APPENDIX I


Diamond Drill Geologs and Definitions

Philip Lake Property

Winter 1992 Program

Geolog Legend

Rocktypes (upper tier columns 24-27):

<u>Graph Log Code</u>	<u>Rock Code</u>	<u>Rock Type</u>
	CASE	CASING
	OVBD	OVERBURDEN
	ARGL	ARGILLITE
	CONG	CONGLOMERATE
	WACK	WACKE
	MUDS	MUDSTONE
G	GABR	GABBRO
V _T	LPXT	LATITE CRYSTAL TUFF
V _F	LPFW	LATITE PORPHYRY FLOW
Q _S	QSCH or QZ SCHS	QUARTZ SCHIST
S _c	SCHS	SCHIST
	QZVN	QZVN
	FALT	FAULT
	MYLN	MYLONITE

Typifying Modifier (upper tier columns 21-22):

-Additional descriptor for rock type.

BI	biotitic
CL	chloritic
HL	healed
FG	fine-grained
MG	medium-grained
CG	coarse-grained

Mineral Codes (columns 57-80, and Graphlog):

MS	sericite
BI	biotite
CL	chlorite
E:	epidote:chlorite (assoc. with propylitic alteration)
C:	late carbonate (veining)
P1	fine- to coarse-grained pyrite
P2	fine-grained pyrite
PO	pyrrhotite
C1	fine- to coarse-grained chalcopyrite
C2	fine-grained chalcopyrite
BO	bornite
HE	hematite
G:	galena:sphalerite
MG	magnetite
CU	native copper
M:	malachite:azurite
GR	graphite
LI	limonite
KF	potassic feldspar
QZ	quartz
CB	pervasive carbonate
AB	albite
GN	garnet
FU	fuchsite:green sericite
CY	clay

HOW Scale Descriptor (columns 57-80):

-describes how the mineral occurs.

>	macrovein
V	vein
<	microvein
\$	sheeted
K	stockwork
S	selvage
E	envelope
P	pervasive
F	flooded
D	disseminated
O	spots, clots
Q	patches
#	breccia matrix
C	clasts
M	massive
L	laminated
B	bedded
A	amygdaloidal

Composite HOW Scale (for multiple occurrences):

X	M and/or L
9	P or D, < and V, S and E
8	P or D greater than V, <, S and E, K3
7	P or D equal to V, <, S and E, K
6	P or D less than V, <, S and E, K
5	V, K often with E
4	V, K occasionally with E
3	V equal to O or Q
2	> and V
1	A, minor > and/or D (as scattered crystals)
0	fresh primary rock

G-Scale (columns 57-80):

-follows HOW character. Gives amount of mineral.

<u>Code</u>	<u>Assigned Value</u>	<u>Range</u>
?	0%	possibly present
/	.07	present, no estimate
0	0	absent
.	.01	<.02 trace
-	.03	.02-.06
(.1	.07-.2
*	.3	.2-.7
)	1	.7-2
+	3	2-4
=	5	4-6
1	10	6-14
2	20	15-25
3	30	26-35
4	40	36-45
5	50	46-55
6	60	56-65
7	70	66-75
8	80	76-85
9	90	86-99
X	100	100

F-Scale (upper and lower tiers, columns 43-46)

-a measure of fracture and vein density. Fractures and veins are subdivided into three categories:

- S 0-30° T.C.A.
- M 30-60° T.C.A.
- L 60-90° T.C.A.

Total fracture density is also recorded.

Note: All structural measurements are taken relative to the core axis (eg. core axis = 0°).

<u>Density per metre</u>	<u>F-scale Value</u>
55+	X
45	9
36	8
28	7
21	6
15	5
10	4
6	3
3	2
1	1
0	0

IDEN6B0201 28992-883 NQ FEB92PDT LDS GRD360.00
 IPRJ PLACER DOME INC PHILIP LAKE PROJECT
 S000 0 9140MT 91.40360.00-90.00 27000.00 30620.00 1083.56
 S001 9140 9140 91.40360.00-88.50

/NAM PYCPMGHELI
 LNAM CLCAQZKFABEPBIMS
 /SCL MT.2MT.2
 LSCL MT.2

A101	AUMM	SAMP	AU	CU	AG	PB	ZN	CR	CO
A102	AUMM	SAMP	AL	AS	BA	BE	BI	CA	CD
A103	AUMM	SAMP	FE	K	LA	MG	MN	MO	NA
A104	AUMM	SAMP	SB	SR	TI	V	W	P	NI
A501	AUMM	SAMP	AU	CU	AG	PB	ZN	CR	CO
A502	AUMM	SAMP	AL	AS	BA	BE	BI	CA	CD
A503	AUMM	SAMP	FE	K	LA	MG	MN	MO	NA
A504	AUMM	SAMP	SB	SR	TI	V	W	P	NI

/ 0 1000 OVBD P
 R SANDY WITH MODERATELY ROUNDED PEBBLES & COBBLES OF
 R COMPOSITION: HEMATIZED VOLCANICS; GREEN PLAG,PYX INTR
 R INTRUSIVE, MINOR SHALE/SLATE, CASING TO 9.14 METRES.

KOXD 1200 1200
 / 1000 2320 VSAR 0000P L+ <.
 L 1000 2320 7867 P2P2

R LAMINATED GRAPHITIC SILTSTONE/ARGILLITE
 R
 R DARK GREY TO BLACK; FINE LAMINATIONS (AVG. 1MM) MORE
 R SLATY CLEAVAGE TOWARDS LOWER CONTACT;PERSASIVELY
 R CALCAREOUS; BEDDING ANGLE AT 65 TO 70 DEGREES TO CORE
 R AXIS;BEDDING TRUNCATIONS AND SCOURS ARE VISIBLE; CALC
 R -ITE FILLED FRACTURES ARE UBIQUITOUS; LOCALLY 1MM WHI
 R -ITE CALCITE VEINLETS, APPARENTLY SUBPERPENDICULAR TO

R			BEDDING; INTENSELY GRAPHITIC FROM 14.1 TO 23.2 M;
R			CHLORITIZED ZONE 12.1 TO 13.9; MASSIVE STRATAFORM PY
R			IS MOST ABUNDANT 1M FROM LOWER CONTACT; NON MAGNETIC
/	1410	2320	XFALT
L	1410	2320	0101R B)
R			9999 <)
R			FAULT ZONE
R			BLACK, GRAPHITIC, INTENSELY SHEARED, SLIGHTLY
R			MAGNETIC, HAIRLINE CALCITE FRACTURE FILLING
R			PERPENDICULAR TO SHEARING
/	2320	4550	QPMD
L	2320	4550	5223P D-
R			5656 P1V(B=<- <- U*
R			QUARTZ PLAGIOCLASE MONZODIORITE PORPHYRY
R			LIGHT GREY/GREEN; SUBHEDRAL CLOUDY QUARTZ PHENOCRYSTS
R			5-10%(3-4MM); ROUNDED K-SPAR PHENOCRYSTS 5-8%(3-4MM)
R			MILKY WHITE TO LIGHT GREEN PLAGIOCLASE, SLIGHTLY
R			SERICITIZED; MATRIX MOSTLY PLAGIOCLASE AND MINOR
R			K-SPAR; SLIGHT PERVASIVE CARBONATE ALTERATION AND
R			CHLORITIZED SHEARS AND FRACTURES. CHLORITIZED MAFICS
R			WERE PROBABLE HORNBLENDES; QUARTZ PHENOCRYSTS USUALLY
R			BROKEN BUT HEXAGONAL HABIT IS OBSERVED. ONE QUARTZ
R			VEIN AT 36.5M WITH ONLY TRACE PYRITE.
/	2320	2550	XFALT
L	2320	2550	0101R B*
R			6766 V* U*
R			FAULT ZONE
R			CONTINUATION OF NESTED FAULT ABOVE, CARBONATIZED
R			TRACE EPIDOTE ON FRACTURES, GRAPHITIC
/	4410	4550	XQPMD
L	4410	4550	0101R D*
R			5656 Q)P1 <. U*
R			SAME AS PRINCIPLE UNIT EXCEPT
R			NON MAGNETIC AND INTENSE SHEARING AND GOUGE AT LOWER
R			CONTACT.
/	4550	4660	FALT
L	4550	4660	P B)
R			XXXX G=

R
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GRAPHITIC FAULT ZONE

BLACK GRAPHITE/GOUGE WITH CALCITE FRACTURE FILLING
ABRUPT COLOR CHANGE AT BOTH CONTACTS.

4660 5810
4660 5810

FMD0 0101P D=
5555 P=P=

FINE-GRAINED PLAGIOCLASE MONZODIORITE - MINERALIZED

VERY SLIGHTLY MAGNETIC, LIGHT GREY-GREEN
PERVASIVE CHLORITE AND CARBONATE, 15% K-SPAR IN
MATRIX. 60% PLAGIOCLASE PHENOCRYST CRUDE ALLIGNMENT
AT 50 DEGREES TO CORE AXIS. DISSEMINATED PYRITE
BLEBS 5% REPLACING MAFICS. CHLORITIZED MAFICS
ALSO SHOW CRUDE 50 DEGREE ALLIGNMENT. LATE STAGE
CALCITE VEINING WITH PYRITE BLEBS AND CUBES.

5810 7645
5810 7645

AFXT 0101P D.
5756 P3P2

FINE-GRAINED CHLORITIC ANDESITIC CRYSTAL TUFF

PERVASIVE CHLORITE (30%) AND CALCITE (20%), AS WELL
AS 2% CALCITE VEINLETS AND BLEBS. HIGHLY FRACTURED
TRACE DISSEMINATED PYRITE, 30 CM OF LAPILLI TUFF AT
59.0 M. VERY SLIGHT MAGNETISM NEAR UPPER CONTACT.

5920 6385
5920 6385

XAFXT 0101R D.
6767 G3P2

CONTINUATION OF VOLCANIC ABOVE, EXCEPT FOR A BLACK
ZONE OF GRAPHITE. POSSIBLE QUIESCENT PERIOD WITHIN
THE CRYSTALL TUFF.

6400 7645
6400 7645

XAFXT 0101R D.D. V+
5756 P2P2 B+

INTENSE CARBONATE FLOODING AND BRECCIATION; PSEUDO-
FRAGMENTS OF THE CRYSTAL TUFF WITH AUGITE PHENOS.
POSSIBLE TRACE CHALCOPYRITE AT 68.7M. INTRUSIVE
AT 67.3 FOR 30 CM WITH EPIDOTE SURROUNDING IN HOST.
HEMATITE FILLED FRACTURES, UNIT HAS UNDERGONE MORE
THEN ONE FRACTURING EPISODE, POSSIBLE AT DIFFERENT

R			ANGLES.						
/	7645	8095	PMDD		0101P		D.		
L	7645	8095			5655		P2P2		
R									
R			PLAGIOCLASE MONZODIORITE DKYE						
R									
R			DARK GREEN; ANHEDRAL, CHLORITIZED HORNBLLENDE (15%)						
R			PLAGIOCLASE PHENOCRYSTS (30%) 30% PLAGIOCLASE IN						
R			MATRIX AS WELL AS 25% K-SPAR. TRACE PYRITE, MINOR						
R			MAGNETITE, PERVASIVE CHLORITE AND CALCITE.						
/	8095	9140	AFXT		0000P		D.		
L	8095	9140			7777		P3P2		
R									
R			CHLORITIZED AND SHEARED ANDESITIC TUFF						
R									
R			CONTINUATION OF VOLCANIC ABOVE BUT MORE INTENSELY						
R			SHEARED, FRACTURED AND CHLORITIZED.						
/END									
R									
A101	1700	2310	C6376	1.00	123.00	1.30	12.00	986.00	90.00 12.00
A101	2310	2600	C6377	4.00	16.00	0.10	7.00	154.00	72.00 5.00
A101	4400	4550	C6378	1.00	9.00	0.05	11.00	88.00	50.00 4.00
A101	4550	4650	C6379	0.50	71.00	0.30	13.00	213.00	52.00 15.00
A101	4650	4900	C6380	1.00	114.00	0.30	4.00	81.00	52.00 28.00
A101	4900	5100	C6381	1.00	127.00	0.40	1.00	85.00	51.00 20.00
A101	5100	5300	C6382	1.00	115.00	0.10	3.00	81.00	27.00 18.00
A101	6700	6950	C6383	3.00	147.00	0.20	4.00	70.00	42.00 17.00
R			EOH						
A102	1700	2310	C6376	1.04	50.00	62.00	0.70	4.00	4.74 7.60
A102	2310	2600	C6377	0.63	699.00	89.00	0.50	1.00	2.12 0.90
A102	4400	4550	C6378	0.43	43.00	114.00	0.50	1.00	2.09 0.30
A102	4550	4650	C6379	0.40	80.00	71.00	0.50	1.00	8.23 1.70
A102	4650	4900	C6380	1.44	29.00	77.00	0.50	2.00	4.26 0.40
A102	4900	5100	C6381	2.01	25.00	63.00	0.60	1.00	5.47 0.30
A102	5100	5300	C6382	1.24	40.00	75.00	0.50	2.00	6.95 0.20
A102	6700	6950	C6383	2.04	12.00	49.00	0.60	1.00	6.47 0.30
R									
A103	1700	2310	C6376	5.25	0.22	8.00	0.66	488.00	13.00 0.02
A103	2310	2600	C6377	2.53	0.24	8.00	0.45	396.00	0.50 0.04

A103	4400	4550	C6378	2.26	0.23	14.00	0.45450.00	0.50	0.03
A103	4550	4650	C6379	3.72	0.20	9.00	0.35654.00	6.00	0.02
A103	4650	4900	C6380	5.16	0.29	6.00	1.70905.00	0.50	0.02
A103	4900	5100	C6381	4.56	0.21	6.00	1.47869.00	0.50	0.02
A103	5100	5300	C6382	4.35	0.29	5.00	1.01927.00	0.50	0.03
A103	6700	6950	C6383	4.20	0.22	5.00	1.61904.00	0.50	0.02
R									
A104	1700	2310	C6376	6.00605.00	0.00101.00	2.50	0.19	68.00	
A104	2310	2600	C6377	2.50256.00	0.00	13.00	2.50	0.08	10.00
A104	4400	4550	C6378	2.50274.00	0.00	7.00	2.50	0.08	4.00
A104	4550	4650	C6379	13.00707.00	0.00	23.00	2.50	0.12	36.00
A104	4650	4900	C6380	5.00480.00	0.00	55.00	2.50	0.13	29.00
A104	4900	5100	C6381	2.50547.00	0.00	80.00	2.50	0.14	22.00
A104	5100	5300	C6382	2.50663.00	0.00	56.00	2.50	0.13	15.00
A104	6700	6950	C6383	2.50656.00	0.00	68.00	2.50	0.13	17.00
R									
A501	1430	1730	A27301	3.00149.00	0.80	14.00865.00	62.00	16.00	
A501	1730	2040	A27302	3.00159.00	0.80	15.00882.00	60.00	15.00	
A501	2040	2340	A27303	3.00163.00	0.90	16.00941.00	69.00	16.00	
A501	2340	2650	A27304	4.00119.00	0.60	21.00735.00	49.00	13.00	
A501	2650	2950	A27305	2.00 85.00	0.40	18.00370.00	46.00	10.00	
A501	2950	3260	A27306	2.00 63.00	0.30	15.00286.00	49.00	11.00	
A501	3260	3560	A27307	4.00 61.00	0.30	14.00224.00	47.00	8.00	
A501	3560	3870	A27308	3.00 44.00	0.30	16.00225.00	41.00	7.00	
A501	3870	4170	A27309	3.00 46.00	0.40	16.00332.00	42.00	8.00	
A501	4170	4480	A27310	2.00 52.00	0.30	12.00346.00	43.00	9.00	
A501	4480	4780	A27311	2.00 96.00	0.50	16.00775.00	44.00	15.00	
A501	4780	5090	A27312	2.00 91.00	0.60	18.00701.00	41.00	18.00	
A501	5090	5390	A27313	2.00 96.00	0.60	17.00741.00	43.00	16.00	
A501	5390	5700	A27314	2.00123.00	0.50	22.00676.00	40.00	20.00	
A501	5700	6000	A27315	3.00170.00	0.50	20.00537.00	45.00	20.00	
A501	6000	6310	A27316	2.00147.00	0.50	33.00555.00	40.00	20.00	
A501	6310	6610	A27317	3.00126.00	0.40	16.00504.00	36.00	22.00	
A501	6610	6920	A27318	5.00131.00	0.30	13.00404.00	48.00	20.00	
A501	6920	7220	A27319	5.00137.00	0.40	12.00326.00	39.00	18.00	
A501	7220	7530	A27320	9.00120.00	0.30	18.00233.00	49.00	19.00	
A501	7530	7830	A27321	3.00134.00	0.30	14.00297.00	62.00	21.00	
A501	7830	8140	A27322	2.00136.00	0.30	13.00261.00	62.00	21.00	
A501	8140	8440	A27323	3.00134.00	0.20	11.00199.00	62.00	19.00	

A501	8440	8750	A27324	2.00	104.00	0.20	9.00	177.00	53.00	19.00
A501	8750	9050	A27325	2.00	114.00	0.20	6.00	144.00	57.00	20.00
R			EOH							
A502	1430	1730	A27301	1.20	39.00	74.00	0.90	2.00	2.91	7.90
A502	1730	2040	A27302	1.15	36.00	75.00	0.90	1.00	3.04	8.00
A502	2040	2340	A27303	1.24	42.00	76.00	0.90	1.00	3.00	8.90
A502	2340	2650	A27304	0.89	450.00	57.00	0.90	3.00	2.90	6.60
A502	2650	2950	A27305	0.96	142.00	84.00	0.80	1.00	2.77	3.20
A502	2950	3260	A27306	0.87	180.00	86.00	0.80	1.00	3.38	2.40
A502	3260	3560	A27307	0.72	658.00	104.00	0.80	1.00	2.50	1.60
A502	3560	3870	A27308	0.66	238.00	118.00	0.70	1.00	2.17	1.60
A502	3870	4170	A27309	0.71	279.00	99.00	0.70	1.00	2.44	2.70
A502	4170	4480	A27310	0.72	150.00	114.00	0.80	1.00	2.64	2.80
A502	4480	4780	A27311	0.67	112.00	63.00	1.00	1.00	2.66	7.50
A502	4780	5090	A27312	0.80	82.00	52.00	1.00	1.00	2.56	6.70
A502	5090	5390	A27313	0.69	117.00	54.00	0.80	1.00	3.59	7.20
A502	5390	5700	A27314	1.02	134.00	51.00	0.90	1.00	3.52	6.60
A502	5700	6000	A27315	1.21	77.00	64.00	0.80	2.00	3.96	4.70
A502	6000	6310	A27316	1.24	99.00	60.00	0.70	1.00	3.34	5.00
A502	6310	6610	A27317	1.29	112.00	54.00	0.70	1.00	3.56	4.60
A502	6610	6920	A27318	1.45	75.00	66.00	0.70	1.00	4.52	3.70
A502	6920	7220	A27319	1.31	44.00	62.00	0.80	2.00	4.23	2.70
A502	7220	7530	A27320	1.19	36.00	61.00	0.60	4.00	5.81	1.70
A502	7530	7830	A27321	1.35	46.00	51.00	0.70	3.00	3.81	2.30
A502	7830	8140	A27322	1.45	47.00	55.00	0.70	3.00	3.89	1.80
A502	8140	8440	A27323	1.48	37.00	49.00	0.70	1.00	3.40	1.10
A502	8440	8750	A27324	1.52	24.00	46.00	0.60	1.00	3.93	1.00
A502	8750	9050	A27325	1.64	19.00	41.00	0.70	1.00	4.78	0.80
R5										
A503	1430	1730	A27301	4.67	0.25	9.00	0.97	513.00	16.00	0.02
A503	1730	2040	A27302	4.55	0.27	8.00	0.94	514.00	18.00	0.02
A503	2040	2340	A27303	4.80	0.29	9.00	0.99	508.00	18.00	0.02
A503	2340	2650	A27304	4.29	0.23	10.00	0.85	475.00	16.00	0.02
A503	2650	2950	A27305	3.55	0.26	10.00	0.74	528.00	8.00	0.03
A503	2950	3260	A27306	3.41	0.27	10.00	0.75	580.00	8.00	0.04
A503	3260	3560	A27307	3.03	0.25	13.00	0.59	512.00	7.00	0.04
A503	3560	3870	A27308	2.78	0.25	13.00	0.53	454.00	5.00	0.04
A503	3870	4170	A27309	3.04	0.24	10.00	0.57	465.00	8.00	0.04
A503	4170	4480	A27310	3.36	0.23	14.00	0.60	529.00	8.00	0.05

A503	4480	4780	A27311	4.08	0.26	10.00	0.62382.00	16.00	0.02
A503	4780	5090	A27312	4.37	0.24	9.00	0.83409.00	18.00	0.01
A503	5090	5390	A27313	4.51	0.24	8.00	0.66479.00	16.00	0.02
A503	5390	5700	A27314	5.96	0.25	8.00	0.95565.00	16.00	0.02
A503	5700	6000	A27315	6.25	0.23	7.00	1.06626.00	12.00	0.02
A503	6000	6310	A27316	6.11	0.20	7.00	1.03512.00	14.00	0.02
A503	6310	6610	A27317	5.55	0.21	7.00	1.02550.00	11.00	0.02
A503	6610	6920	A27318	5.29	0.22	7.00	1.41672.00	11.00	0.02
A503	6920	7220	A27319	4.57	0.18	7.00	1.22662.00	8.00	0.02
A503	7220	7530	A27320	4.59	0.15	6.00	1.171059.0	7.00	0.02
A503	7530	7830	A27321	5.32	0.13	7.00	1.41855.00	8.00	0.02
A503	7830	8140	A27322	5.33	0.12	7.00	1.39806.00	8.00	0.03
A503	8140	8440	A27323	5.26	0.10	7.00	1.47719.00	5.00	0.02
A503	8440	8750	A27324	4.83	0.13	6.00	1.39731.00	5.00	0.02
A503	8750	9050	A27325	4.89	0.13	6.00	1.52878.00	5.00	0.03

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A504	1430	1730	A27301	11.00	0.04	14.00	0.02114.00	98.00	0.17	63.00	
A504	1730	2040	A27302	13.00	0.04	22.00	0.02112.00	103.00	0.17	65.00	
A504	2040	2340	A27303	10.00	0.04	03.00	0.02119.00	112.00	0.18	66.00	
A504	2340	2650	A27304	16.00	0.03	53.00	0.00	65.00	153.00	0.19	59.00
A504	2650	2950	A27305	11.00	0.03	56.00	0.00	56.00	120.00	0.13	32.00
A504	2950	3260	A27306	5.00	0.04	50.00	0.00	55.00	51.00	0.13	30.00
A504	3260	3560	A27307	6.00	0.03	35.00	0.00	32.00	121.00	0.10	22.00
A504	3560	3870	A27308	6.00	0.03	14.00	0.00	27.00	65.00	0.09	19.00
A504	3870	4170	A27309	9.00	0.03	47.00	0.00	38.00	32.00	0.11	25.00
A504	4170	4480	A27310	2.50	0.35	52.00	0.00	36.00	51.00	0.11	23.00
A504	4480	4780	A27311	22.00	0.02	91.00	0.00	38.00	56.00	0.19	55.00
A504	4780	5090	A27312	16.00	0.02	69.00	0.00	42.00	6.00	0.18	61.00
A504	5090	5390	A27313	17.00	0.04	00.00	0.00	53.00	7.00	0.18	60.00
A504	5390	5700	A27314	17.00	0.03	13.00	0.01	52.00	8.00	0.19	59.00
A504	5700	6000	A27315	15.00	0.03	41.00	0.00	56.00	233.00	0.16	61.00
A504	6000	6310	A27316	16.00	0.03	06.00	0.00	50.00	168.00	0.16	58.00
A504	6310	6610	A27317	13.00	0.03	08.00	0.00	45.00	51.00	0.15	47.00
A504	6610	6920	A27318	17.00	0.03	85.00	0.00	57.00	19.00	0.18	41.00
A504	6920	7220	A27319	13.00	0.03	95.00	0.04	61.00	38.00	0.14	34.00
A504	7220	7530	A27320	17.00	0.03	71.00	0.05	73.00	94.00	0.15	30.00
A504	7530	7830	A27321	16.00	0.02	67.00	0.07	90.00	65.00	0.18	37.00
A504	7830	8140	A27322	10.00	0.02	86.00	0.10	104.00	86.00	0.17	34.00
A504	8140	8440	A27323	13.00	0.02	50.00	0.11	111.00	102.00	0.17	30.00

A504	8440	8750	A27324	9.00347.00	0.06	80.00	41.00	0.16	27.00
A504	8750	9050	A27325	15.00328.00	0.10	87.00	37.00	0.17	26.00

IDEN6B0201 28992-884 NQ FEB92PDT LDS GRD360.00
 IPRJ PLACER DOME INC PHILIP LAKE PROJECT
 S000 0 13010MT 130.10360.00-90.00 26900.00 30400.00 1060.00
 S001 13010 13010 130.10360.00-89.00

/NAM PYCPMGHELI
 LNAM CLCAQZKFABEPBIMS

/SCL MT.2MT.2
 LSCL MT.2

A101									
AUMM		SAMP	AU	CU	AG	PB	ZN	CR	CO
A102									
AUMM		SAMP	AL	AS	BA	BE	BI	CA	CD
A103									
AUMM		SAMP	FE	K	LA	MG	MN	MO	NA
A104									
AUMM		SAMP	SB	SR	TI	V	W	P	NI
A501									
AUMM		SAMP	AU	CU	AG	PB	ZN	CR	CO
A502									
AUMM		SAMP	AL	AS	BA	BE	BI	CA	CD
A503									
AUMM		SAMP	FE	K	LA	MG	MN	MO	NA
A504									
AUMM		SAMP	SB	SR	TI	V	W	P	NI

R 0 13010 ????

/ 0 1740 OVBD

R P

R P

R OVERBURDEN

R SAND AND CLAY SUPPORTED GRAVEL; INCLUDING COBBLES OF

R RUSTY QUARTZ VEIN, AUGITE VOLCANICS, HEMATIZED BASALT

R CASING FIRST PUT TO 12.2 M LATER MOVED TO 17.4 M.

R CASING APPEARS TO BE RIGHT AT LEDGE.

R COXKD 1760 1760
 / 1740 2210 QPMD 3002P (<)
 L 1740 2210 6766 J)P1V* U)

R QUARTZ PLAGIOCLASE MONZODIORITE PORPHYRY (COARSE GRN)

R LIGHT GREY/GREEN; MATRIX BECOMES BLACKER (GRAPHITIC)

R				CALCITE STRINGERS.			
/	3880	5080	AFXT	0201P	D.		
L	3880	5080		7878	P3P2		
R							
R				FINE GRAINED ANDESITIC CRYSTAL TUFF			
R				FINE GRAINED, MED. GREEN , HIGHLY CHLORITIZED, 5% K-SPAR			
R				LATE STAGE CALCITE VEINS AND FRACTURE FILLING - 2%			
R				PERVASIVE CHLORITE 30% AND CARBONATE 20% ALTERATION			
R				FAULT GOUGE AT 40-41 M, NON MAGNETIC, TRACE PYRITE			
R				GRAPHITIC AT LOWER CONTACT WITH SLIGHT INCREASE IN			
R				PYRITE.			
/	5080	6610	APMD	1312P	D.		
L	5080	6610		5555	P1P1	B*	
R							
R				AUGITE PLAGIOCLASE MONZODIORITE PORPHYRY			
R				DARK GREEN-GREY, 20% K-SPAR IN QUENCHED MATRIX,			
R				15% PLAG PHENOS ALTERING TO SER/CA			
R				HORNBLLENDE <5% ALTERING TO CHLORITE,			
R				AUGITES, EUHEDRAL, CAL/CHL ALTERING 25%			
R				PERVASIVE CARBONATE 10% AND CHLORITE 10%, MINOR			
R				CALCITE FRACTURE FILLING, PYRITE .2% IN FRACTURES,			
R				NON MAGNETIC			
/	5550	5890	XAPMD	1312R	D.		
L	5550	5890		5555	P3P3	B*	
R							
R				CONTINUATION OF PRINCIPLE UNIT EXCEPT:			
R				ZONE IS INTENSELY CARBONATIZED			
R				HIGHER CONTAINS MORE GRAPHITE			
/	6035	6610	XAPMD	2413R	D.	<+	
L	6035	6610		6555	P2P2	B2	
R							
R				CONTINUATION OF PRINCIPLE UNIT EXCEPT:			
R				PROPYLITIC ALTERATION			
R				LIGHT OLIVE GREEN EPIDOTE 20%			
R				HEMITIZED FRACTURES OCCUR AT 62-66M, TRACE PYRITE			
R				APPEARS TO BE A CHANGE IN CORE ANGLES, MUCH LOWER			
/	6610	8450	APXT	1313P	<*		

L	6610	8450		7878	Q=P1	O)
R						
R						
R						
R						
R						
R						
R						
R						
/	7890	8142	XAPDD	1212R	D.	<+
L	7890	8142		7878		
R						
R						
R						
R						
R						
R						
R						
R						
/	8450	8930	PMDD	1312P	D) D) <+	
L	8450	8930		6766	P1P1	B2
R						
R						
R						
R						
R						
R						
R						
R						
/	8930	13010	APBT	1312P	D)	
L	8930	13010		7878	P3P2	<*
R						
R						
R						
R						
R						
R						
R						
/	9660	9950	XPMDD	1211R	D)	P=

L	9660	9950		7877		P2P2	
R							
R							
R							
R							
R							
R							
/	10740	10950	XAPBT	0101R	D*	P=	
L	10740	10950		5655		P3P2	
R							
R							
R							
R							
R							
/	11010	11200	XAPBT	1414R	D.		
L	11010	11200		5555		P3P3	V=
R							
R							
R							
R							
R							
/	11220	13010	XAPBT	0101R	D.		
L	11220	13010		5655		P3P2	L1
R							
R							
R							
R							
R							
R							
/	12790	12852	XADRD	0000R	D.		
L	12790	12852		4555		P2P1	P3
R							
R							
R							
R							
R							
R							

HEMATIZED ZONE - PLAGIOCLASE MONZODIORITE POR DYKE

15% K-SPAR, FRACTURE CONTROLLED HEMATITE, INTENSE SHEARING/FAULT GOUGE, SLIGHTLY MAGNETIC, PERVASIVE CARBONATE AND CHLORITE ALTERATION.

HEMATIZED ZONE

SAME AS PRINCIPLE UNIT EXCEPT INTENSE PERVASIVE HEMATITE, SLIGHTLY MAGNETIC, TRACE PYRITE.

MASSIVE EPIDOTE ZONE

MASSIVE PATCHES OF EPIDOTE ASSOCIATED WITH CHLORITE AND CALCITE, NON MAGNETIC, BEDDING EASIER TO DISTINGUISH, AT 30 DEGREES TO CORE AXIS.

LIGHTER GREEN, PRONOUNCED BEDDING INFLUENCED BY SHEAR FABRIC AT 35 DEGREES TO CORE AXIS, INTENSELY SHEARED BUT CARBONATE HEALED. TRACE PYRITE, PLAG AND AUGITE ARE STRETCHED AND HAVE SIGMOIDA TAILS PARALLEL TO BEDDING, POSSIBLE BIOTITE FORMING ALONG SHEAR PLANES. NON MAGNETIC

AUGITE PORPHYRY DIORITE DYKE

SMALL EPIDOTIZED DYKE WITH QUENCHED MATRIX, SLIGHTLY MAGNETIC, CHILL MARGINS AT CONTACTS, AUGITES DECREASE IN SIZE. AUGITE 30%, PLAG 5% PHENOS, PLAG RICH MATRIX,

R
/
L
R
R
R
R

12920 12973
12920 12973

TRACE PYRITE
XAPDD

0101R
5655

D.
P2P=

SHARP CONTACTS WITH CHILL MARGINS, 30% PLAG, 15%
AUGITE, SLIGHTLY MAGNETIC, CONTACTS AT 85 DEGREES TO
CORE AXIS, TRACE PYRITE.

/END

A101	1770	2210	C6384	1.00	17.00	0.20	9.00	116.00	40.00	7.00
A101	2210	2500	C6385	0.50	75.00	0.20	10.00	129.00	56.00	24.00
A101	2500	2700	C6386	0.50	120.00	0.20	10.00	114.00	62.00	27.00
A101	2700	2900	C6387	0.50	91.00	0.20	11.00	114.00	63.00	29.00
A101	2900	3100	C6388	0.50	84.00	0.10	9.00	93.00	80.00	27.00
A101	3100	3330	C6389	1.00	137.00	0.10	11.00	95.00	86.00	21.00
A101	3330	3500	C6390	0.50	94.00	0.10	12.00	73.00	76.00	25.00
A101	3500	3700	C6391	0.50	151.00	0.30	11.00	84.00	61.00	25.00
A101	4870	5085	C6392	1.00	111.00	0.10	11.00	81.00	40.00	26.00
A101	5085	5300	C6393	1.00	142.00	0.20	8.00	68.00	44.00	21.00
A101	5300	5500	C6394	1.00	110.00	0.30	9.00	99.00	46.00	23.00
A101	5500	5700	C6395	1.00	188.00	0.20	5.00	81.00	44.00	20.00
A101	7700	7890	C6396	2.00	141.00	0.20	7.00	72.00	48.00	30.00
A101	7890	8200	C6397	0.50	165.00	0.20	6.00	71.00	55.00	23.00
A101	8700	8950	C6398	1.00	87.00	0.20	4.00	71.00	65.00	23.00
A101	8950	9150	C6399	2.00	177.00	0.30	13.00	82.00	28.00	18.00
A101	9600	9800	C6400	1.00	153.00	0.30	12.00	66.00	50.00	19.00
A101	9800	10100	C6401	3.00	177.00	0.30	15.00	60.00	27.00	17.00
A101	11000	11200	C6402	1.00	113.00	0.20	5.00	92.00	126.00	22.00
A101	12795	12850	C6403	0.50	173.00	0.20	7.00	38.00	58.00	20.00
A101	12895	12920	C6404	0.50	109.00	0.20	3.00	39.00	266.00	21.00
A101	12920	12975	C6405	0.50	160.00	0.20	0.50	73.00	121.00	26.00
R										
A102	1770	2210	C6384	0.56	28.00	50.00	0.40	3.00	2.22	1.40
A102	2210	2500	C6385	1.20	41.00	85.00	0.60	1.00	6.76	0.90
A102	2500	2700	C6386	2.19	22.00	90.00	0.60	1.00	6.40	0.50
A102	2700	2900	C6387	1.98	28.00	82.00	0.60	1.00	6.89	0.70
A102	2900	3100	C6388	2.70	15.00	58.00	0.50	1.00	4.45	0.40
A102	3100	3330	C6389	1.74	22.00	32.00	0.60	2.00	6.54	0.50
A102	3330	3500	C6390	2.15	16.00	65.00	0.60	1.00	7.84	0.50
A102	3500	3700	C6391	2.37	11.00	36.00	0.70	1.00	6.44	0.40

A102	4870	5085	C6392	2.33	22.00	38.00	0.80	1.00	4.79	0.40
A102	5085	5300	C6393	2.23	12.00	87.00	0.60	1.00	4.82	0.40
A102	5300	5500	C6394	2.23	6.00	82.00	0.70	1.00	4.36	0.40
A102	5500	5700	C6395	2.54	7.00	49.00	0.60	1.00	6.16	0.20
A102	7700	7890	C6396	2.15	9.00	17.00	0.60	1.00	5.73	0.30
A102	7890	8200	C6397	1.97	6.00	21.00	0.70	1.00	5.47	0.40
A102	8700	8950	C6398	1.41	12.00	19.00	0.70	1.00	4.69	0.30
A102	8950	9150	C6399	1.28	8.00	36.00	0.50	1.00	4.36	0.40
A102	9600	9800	C6400	1.36	10.00	91.00	0.50	1.00	5.45	0.40
A102	9800	10100	C6401	0.96	7.00	114.00	0.40	1.00	5.06	0.30
A102	11000	11200	C6402	1.67	2.50	150.00	0.40	1.00	2.37	0.80
A102	12795	12850	C6403	1.59	9.00	318.00	0.30	1.00	4.39	0.20
A102	12895	12920	C6404	1.84	2.50	502.00	0.20	1.00	2.34	0.10
A102	12920	12975	C6405	2.42	10.00	663.00	0.30	1.00	2.46	0.20
R										
A103	1770	2210	C6384	2.51	0.11	7.00	0.64	435.00	0.50	0.05
A103	2210	2500	C6385	5.27	0.18	9.00	2.54	999.00	6.00	0.02
A103	2500	2700	C6386	5.39	0.15	9.00	2.90	1103.0	3.00	0.02
A103	2700	2900	C6387	5.49	0.25	8.00	2.10	961.00	7.00	0.02
A103	2900	3100	C6388	5.55	0.19	9.00	2.58	959.00	5.00	0.02
A103	3100	3330	C6389	5.53	0.08	8.00	2.15	1051.0	5.00	0.03
A103	3330	3500	C6390	5.17	0.09	7.00	2.23	1056.0	5.00	0.03
A103	3500	3700	C6391	5.86	0.09	8.00	1.85	1023.0	5.00	0.03
A103	4870	5085	C6392	5.89	0.19	6.00	1.39	1024.0	2.00	0.02
A103	5085	5300	C6393	5.28	0.08	6.00	2.11	843.00	4.00	0.04
A103	5300	5500	C6394	5.49	0.09	8.00	1.66	829.00	2.00	0.05
A103	5500	5700	C6395	5.34	0.15	7.00	1.92	1062.0	3.00	0.03
A103	7700	7890	C6396	5.05	0.07	7.00	2.16	1079.0	4.00	0.02
A103	7890	8200	C6397	5.17	0.05	6.00	2.12	1182.0	3.00	0.03
A103	8700	8950	C6398	4.29	0.06	6.00	1.50	1077.0	3.00	0.03
A103	8950	9150	C6399	3.99	0.25	5.00	0.79	1045.0	0.50	0.02
A103	9600	9800	C6400	4.03	0.35	6.00	0.95	1106.0	0.50	0.02
A103	9800	10100	C6401	3.36	0.28	6.00	0.63	1062.0	2.00	0.03
A103	11000	11200	C6402	3.75	0.50	4.00	1.94	658.00	2.00	0.03
A103	12795	12850	C6403	3.18	0.85	4.00	1.23	706.00	3.00	0.02
A103	12895	12920	C6404	2.76	1.22	2.00	2.03	468.00	2.00	0.03
A103	12920	12975	C6405	4.61	1.80	4.00	2.30	788.00	4.00	0.05
R										
A104	1770	2210	C6384	2.50	214.00	0.00	13.00	2.50	0.08	10.00

A104	2210	2500	C6385	9.00667.00	0.00	50.00	2.50	0.20	33.00
A104	2500	2700	C6386	2.50536.00	0.00	89.00	2.50	0.21	33.00
A104	2700	2900	C6387	13.00584.00	0.01	80.00	2.50	0.19	32.00
A104	2900	3100	C6388	9.00265.00	0.15	139.00	2.50	0.17	25.00
A104	3100	3330	C6389	8.00301.00	0.14	178.00	2.50	0.17	20.00
A104	3330	3500	C6390	6.00350.00	0.15	155.00	2.50	0.13	22.00
A104	3500	3700	C6391	2.50270.00	0.15	173.00	2.50	0.16	21.00
A104	4870	5085	C6392	2.50292.00	0.05	101.00	2.50	0.15	20.00
A104	5085	5300	C6393	5.00340.00	0.13	147.00	2.50	0.16	19.00
A104	5300	5500	C6394	2.50333.00	0.13	152.00	2.50	0.16	22.00
A104	5500	5700	C6395	2.50293.00	0.11	127.00	2.50	0.15	21.00
A104	7700	7890	C6396	2.50319.00	0.11	132.00	2.50	0.14	23.00
A104	7890	8200	C6397	2.50342.00	0.11	139.00	2.50	0.14	22.00
A104	8700	8950	C6398	2.50346.00	0.13	106.00	2.50	0.14	22.00
A104	8950	9150	C6399	2.50293.00	0.01	43.00	2.50	0.21	12.00
A104	9600	9800	C6400	2.50451.00	0.02	45.00	2.50	0.19	20.00
A104	9800	10100	C6401	2.50358.00	0.05	35.00	2.50	0.23	11.00
A104	11000	11200	C6402	2.50395.00	0.19	90.00	2.50	0.15	46.00
A104	12795	12850	C6403	2.50395.00	0.15	74.00	5.00	0.16	19.00
A104	12895	12920	C6404	2.50142.00	0.13	54.00	2.50	0.11	102.00
A104	12920	12975	C6405	2.50213.00	0.22	108.00	2.50	0.17	33.00
R									
A501	1220	1430	A27326	7.00104.00	1.00	14.00	683.00	60.00	10.00
A501	1430	1730	A27327	4.00158.00	0.80	14.00	605.00	39.00	11.00
A501	1730	2040	A27328	3.00136.00	0.60	16.00	642.00	40.00	12.00
A501	2040	2340	A27329	2.00176.00	0.40	20.00	307.00	43.00	8.00
A501	2340	2650	A27330	3.00140.00	0.70	12.00	418.00	44.00	16.00
A501	2650	2950	A27331	3.00102.00	0.50	31.00	389.00	39.00	17.00
A501	2950	3260	A27332	3.00109.00	0.60	13.00	514.00	58.00	18.00
A501	3260	3560	A27333	3.00 87.00	0.50	11.00	335.00	55.00	16.00
A501	3560	3870	A27334	4.00 93.00	0.50	20.00	453.00	93.00	17.00
A501	4170	4480	A27335	3.00 86.00	0.40	10.00	289.00	49.00	16.00
A501	4480	4780	A27336	4.00 75.00	0.40	7.00	286.00	60.00	16.00
A501	4780	5090	A27337	3.00250.00	0.30	31.00	159.00	43.00	20.00
A501	5090	5390	A27338	3.00121.00	0.20	7.00	114.00	50.00	19.00
A501	5390	5700	A27339	6.00199.00	0.20	7.00	113.00	41.00	18.00
A501	5700	6000	A27340	2.00142.00	0.20	5.00	95.00	44.00	19.00
A501	6000	6310	A27341	5.00127.00	0.20	6.00	113.00	47.00	20.00
A501	6310	6610	A27342	2.00 97.00	0.20	6.00	98.00	54.00	17.00

A501	6610	6920	A27343	2.00	107.00	0.10	4.00	94.00	49.00	18.00
A501	6920	7220	A27344	2.00	106.00	0.20	3.00	94.00	49.00	20.00
A501	7220	7530	A27345	1.00	161.00	0.20	10.00	91.00	50.00	21.00
A501	7530	7830	A27346	1.00	113.00	0.20	8.00	81.00	49.00	20.00
A501	7830	8140	A27347	1.00	118.00	0.10	11.00	94.00	59.00	22.00
A501	8140	8440	A27348	2.00	208.00	0.20	10.00	91.00	58.00	23.00
A501	8440	8750	A27349	2.00	113.00	0.20	7.00	72.00	49.00	19.00
A501	8750	9050	A27350	1.00	105.00	0.20	7.00	76.00	61.00	19.00
A501	9050	9360	A27351	1.00	194.00	0.30	10.00	90.00	44.00	19.00
A501	9360	9660	A27352	2.00	143.00	0.30	14.00	71.00	80.00	20.00
A501	9660	9970	A27353	4.00	154.00	0.50	17.00	76.00	82.00	19.00
A501	9970	10270	A27354	3.00	176.00	0.30	14.00	83.00	48.00	16.00
A501	10270	10580	A27355	68.00	105.00	10.00	8.00	87.00	64.00	16.00
A501	10580	10880	A27356	4.00	135.00	0.20	4.00	90.00	77.00	22.00
A501	10880	11190	A27357	3.00	132.00	0.20	10.00	92.00	76.00	21.00
A501	11190	11490	A27358	1.00	109.00	0.20	12.00	63.00	94.00	16.00
A501	11490	11800	A27359	3.00	108.00	0.20	25.00	62.00	100.00	13.00
A501	11800	12100	A27360	4.00	134.00	0.30	35.00	94.00	139.00	16.00
A501	12100	12410	A27361	1.00	130.00	0.30	17.00	82.00	91.00	16.00
A501	12410	12710	A27362	2.00	266.00	0.20	18.00	158.00	102.00	33.00
A501	12710	13020	A27363	3.00	136.00	0.20	12.00	82.00	78.00	17.00
R			EOH							
A502	1220	1430	A27326	0.59	50.00	250.00	0.50	1.00	0.46	3.80
A502	1430	1730	A27327	0.63	65.00	236.00	0.60	2.00	0.32	2.20
A502	1730	2040	A27328	0.52	69.00	81.00	0.70	1.00	1.03	8.60
A502	2040	2340	A27329	0.57	164.00	77.00	0.60	1.00	1.84	1.20
A502	2340	2650	A27330	0.71	70.00	104.00	0.70	1.00	2.83	2.70
A502	2650	2950	A27331	0.89	48.00	90.00	0.60	1.00	3.50	2.40
A502	2950	3260	A27332	1.20	54.00	99.00	0.70	2.00	2.24	3.50
A502	3260	3560	A27333	1.00	33.00	112.00	0.50	1.00	1.52	2.00
A502	3560	3870	A27334	1.33	46.00	128.00	0.70	1.00	2.59	2.80
A502	4170	4480	A27335	0.95	31.00	114.00	0.50	1.00	1.19	1.80
A502	4480	4780	A27336	0.98	27.00	130.00	0.50	1.00	1.15	1.40
A502	4780	5090	A27337	1.68	19.00	115.00	0.70	1.00	3.20	0.70
A502	5090	5390	A27338	1.85	17.00	137.00	0.60	1.00	3.76	0.50
A502	5390	5700	A27339	1.91	12.00	97.00	0.50	1.00	4.38	0.50
A502	5700	6000	A27340	1.95	15.00	58.00	0.50	1.00	4.56	0.50
A502	6000	6310	A27341	1.77	15.00	89.00	0.60	1.00	4.06	0.50
A502	6310	6610	A27342	1.63	9.00	139.00	0.70	1.00	3.99	0.60

A502	6610	6920	A27343	1.56	11.00	84.00	0.70	1.00	3.25	0.40
A502	6920	7220	A27344	1.94	7.00	69.00	0.70	1.00	4.04	0.50
A502	7220	7530	A27345	1.82	8.00	61.00	0.70	1.00	4.46	0.30
A502	7530	7830	A27346	1.92	12.00	67.00	0.70	1.00	3.68	0.10
A502	7830	8140	A27347	1.72	16.00	76.00	0.70	1.00	3.35	0.20
A502	8140	8440	A27348	1.82	16.00	59.00	0.60	1.00	5.90	0.05
A502	8440	8750	A27349	1.31	13.00	87.00	0.50	1.00	3.82	0.05
A502	8750	9050	A27350	1.32	15.00	72.00	0.70	1.00	3.79	0.05
A502	9050	9360	A27351	1.13	14.00	68.00	0.50	1.00	3.40	0.05
A502	9360	9660	A27352	1.44	11.00	58.00	0.50	1.00	3.59	0.05
A502	9660	9970	A27353	1.19	14.00	70.00	0.50	1.00	3.86	0.05
A502	9970	10270	A27354	1.05	13.00	120.00	0.40	1.00	3.30	0.20
A502	10270	10580	A27355	1.01	18.00	90.00	0.60	1.00	2.79	0.30
A502	10580	10880	A27356	1.51	13.00	72.00	0.60	1.00	3.87	0.10
A502	10880	11190	A27357	1.44	13.00	106.00	0.60	1.00	3.48	0.30
A502	11190	11490	A27358	1.13	14.00	178.00	0.30	2.00	2.48	0.10
A502	11490	11800	A27359	1.01	11.00	246.00	0.20	1.00	1.76	0.20
A502	11800	12100	A27360	1.31	13.00	280.00	0.30	1.00	2.34	0.20
A502	12100	12410	A27361	1.35	12.00	221.00	0.40	1.00	2.27	0.30
A502	12410	12710	A27362	2.58	18.00	183.00	0.50	3.00	4.45	0.05
A502	12710	13020	A27363	1.19	13.00	247.00	0.40	1.00	2.59	0.20
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A503	1220	1430	A27326	4.05	0.22	20.00	0.17	240.00	23.00	0.02
A503	1430	1730	A27327	4.56	0.19	16.00	0.18	236.00	22.00	0.03
A503	1730	2040	A27328	3.96	0.14	12.00	0.41	420.00	17.00	0.02
A503	2040	2340	A27329	3.51	0.16	9.00	0.35	438.00	10.00	0.02
A503	2340	2650	A27330	4.62	0.18	9.00	0.98	587.00	15.00	0.02
A503	2650	2950	A27331	4.29	0.20	8.00	0.73	563.00	12.00	0.02
A503	2950	3260	A27332	4.95	0.21	9.00	0.95	562.00	15.00	0.02
A503	3260	3560	A27333	4.06	0.16	9.00	0.75	600.00	12.00	0.03
A503	3560	3870	A27334	4.54	0.36	10.00	0.95	556.00	16.00	0.04
A503	4170	4480	A27335	3.83	0.14	8.00	0.68	611.00	12.00	0.02
A503	4480	4780	A27336	3.65	0.16	9.00	0.66	616.00	11.00	0.03
A503	4780	5090	A27337	4.80	0.19	8.00	1.01	811.00	2.00	0.02
A503	5090	5390	A27338	4.68	0.17	7.00	1.37	787.00	2.00	0.04
A503	5390	5700	A27339	5.02	0.16	6.00	1.45	794.00	2.00	0.04
A503	5700	6000	A27340	5.15	0.12	6.00	1.62	834.00	4.00	0.04
A503	6000	6310	A27341	5.04	0.15	6.00	1.41	808.00	2.00	0.04
A503	6310	6610	A27342	4.93	0.17	6.00	1.48	818.00	4.00	0.06

A503	6610	6920	A27343	5.51	0.14	6.00	1.44685.00	1.00	0.05
A503	6920	7220	A27344	5.06	0.14	6.00	1.84822.00	4.00	0.05
A503	7220	7530	A27345	5.02	0.11	6.00	1.69837.00	2.00	0.04
A503	7530	7830	A27346	4.27	0.12	9.00	1.76809.00	4.00	0.05
A503	7830	8140	A27347	4.82	0.10	7.00	1.71828.00	4.00	0.04
A503	8140	8440	A27348	5.47	0.15	6.00	1.641277.0	3.00	0.05
A503	8440	8750	A27349	4.36	0.12	5.00	1.28783.00	2.00	0.02
A503	8750	9050	A27350	4.45	0.12	6.00	1.28826.00	2.00	0.04
A503	9050	9360	A27351	4.56	0.19	6.00	0.83787.00	2.00	0.02
A503	9360	9660	A27352	4.77	0.17	5.00	1.24807.00	5.00	0.03
A503	9660	9970	A27353	4.72	0.21	6.00	0.96849.00	3.00	0.03
A503	9970	10270	A27354	4.22	0.24	6.00	0.79745.00	2.00	0.03
A503	10270	10580	A27355	4.54	0.16	7.00	1.06671.00	5.00	0.02
A503	10580	10880	A27356	5.41	0.13	5.00	1.661023.0	4.00	0.03
A503	10880	11190	A27357	5.29	0.13	6.00	1.47907.00	5.00	0.03
A503	11190	11490	A27358	3.31	0.40	4.00	1.11514.00	5.00	0.03
A503	11490	11800	A27359	2.86	0.45	4.00	1.06397.00	5.00	0.03
A503	11800	12100	A27360	3.43	0.57	5.00	1.11507.00	4.00	0.06
A503	12100	12410	A27361	3.61	0.45	6.00	1.27608.00	3.00	0.03
A503	12410	12710	A27362	5.89	0.39	8.00	1.90878.00	6.00	0.24
A503	12710	13020	A27363	3.39	0.54	7.00	1.25589.00	4.00	0.03
R									
A504	1220	1430	A27326	23.00	100.00	0.00	53.00 60.00	0.21	52.00
A504	1430	1730	A27327	23.00	95.00	0.00	46.00 100.00	0.17	59.00
A504	1730	2040	A27328	16.00	134.00	0.00	29.00 142.00	0.14	57.00
A504	2040	2340	A27329	13.00	219.00	0.00	17.00 235.00	0.11	39.00
A504	2340	2650	A27330	12.00	317.00	0.00	36.00 125.00	0.16	52.00
A504	2650	2950	A27331	20.00	306.00	0.00	45.00 42.00	0.16	46.00
A504	2950	3260	A27332	16.00	184.00	0.06	78.00 32.00	0.17	53.00
A504	3260	3560	A27333	13.00	112.00	0.05	74.00 27.00	0.14	43.00
A504	3560	3870	A27334	15.00	214.00	0.06	80.00 22.00	0.17	49.00
A504	4170	4480	A27335	16.00	92.00	0.05	68.00 31.00	0.13	42.00
A504	4480	4780	A27336	7.00	92.00	0.05	69.00 23.00	0.13	41.00
A504	4780	5090	A27337	2.50	214.00	0.05	71.00 42.00	0.13	29.00
A504	5090	5390	A27338	2.50	234.00	0.10	101.00 47.00	0.14	29.00
A504	5390	5700	A27339	7.00	260.00	0.09	94.00 52.00	0.15	25.00
A504	5700	6000	A27340	8.00	271.00	0.08	109.00 32.00	0.15	24.00
A504	6000	6310	A27341	5.00	278.00	0.09	101.00 35.00	0.15	25.00
A504	6310	6610	A27342	2.50	462.00	0.13	110.00 23.00	0.15	22.00

A504	6610	6920	A27343	2.50299.00	0.11	96.00	50.00	0.14	23.00
A504	6920	7220	A27344	5.00288.00	0.16	115.00	15.00	0.15	22.00
A504	7220	7530	A27345	8.00529.00	0.14	114.00	58.00	0.15	22.00
A504	7530	7830	A27346	2.50269.00	0.13	114.00	50.00	0.13	22.00
A504	7830	8140	A27347	2.50277.00	0.12	109.00	41.00	0.14	23.00
A504	8140	8440	A27348	2.50391.00	0.06	111.00	41.00	0.15	27.00
A504	8440	8750	A27349	2.50271.00	0.06	87.00	48.00	0.14	19.00
A504	8750	9050	A27350	2.50257.00	0.12	98.00	59.00	0.15	21.00
A504	9050	9360	A27351	9.00249.00	0.04	60.00	103.00	0.21	21.00
A504	9360	9660	A27352	2.50299.00	0.02	77.00	11.00	0.19	24.00
A504	9660	9970	A27353	8.00318.00	0.02	54.00	12.00	0.19	23.00
A504	9970	10270	A27354	2.50249.00	0.04	45.00	39.00	0.23	18.00
A504	10270	10580	A27355	14.00234.00	0.04	63.00	22.00	0.18	20.00
A504	10580	10880	A27356	7.00304.00	0.09	115.00	17.00	0.18	24.00
A504	10880	11190	A27357	6.00313.00	0.07	104.00	22.00	0.17	26.00
A504	11190	11490	A27358	9.00201.00	0.11	62.00	15.00	0.11	30.00
A504	11490	11800	A27359	7.00152.00	0.09	49.00	25.00	0.09	37.00
A504	11800	12100	A27360	10.00185.00	0.13	71.00	26.00	0.12	32.00
A504	12100	12410	A27361	10.00199.00	0.10	64.00	16.00	0.12	41.00
A504	12410	12710	A27362	11.00388.00	0.22	158.00	227.00	0.16	52.00
A504	12710	13020	A27363	8.00226.00	0.10	56.00	16.00	0.13	33.00

IDEN6B0201 28992-885 NQ FEB92PDT LDS GRD360.00
 IPRJ PLACER DOME INC PHILIP LAKE PROJECT
 S000 0 8000MT 157.58114.00-60.00 27450.00 30450.00 1082.00
 S001 8000 15758 157.58114.00-62.00

/NAM PYCPMGHELI
 LNAM CLCAQZKFABEPBIMS
 /SCL MT.2MT.2
 LSCL MT.2

A101									
AUMM		SAMP	AU	CU	AG	PB	ZN	CR	CO
A102									
AUMM		SAMP	AL	AS	BA	BE	BI	CA	CD
A103									
AUMM		SAMP	FE	K	LA	MG	MN	MO	NA
A104									
AUMM		SAMP	SB	SR	TI	V	W	P	NI
A501									
AUMM		SAMP	AU	CU	AG	PB	ZN	CR	CO
A502									
AUMM		SAMP	AL	AS	BA	BE	BI	CA	CD
A503									
AUMM		SAMP	FE	K	LA	MG	MN	MO	NA
A504									
AUMM		SAMP	SB	SR	TI	V	W	P	NI

R 0 157.5 ???? P
 / 0 1500 OVBD P

R
 R SAND SUPPORTED GRAVEL, COBBLES MOSTLY OF SUBROUNDED
 R AUGITE PORPHYRY VOLCANICS AND PLAG PORPHYRY INTRUSIVE
 R CASING TO 15.2 M

/ 1500 2520 TFSS 0000P D) <=
 L 1500 2520 7878 P+P2

R
 R CALCAREOUS GRADED TUFFACEOUS SILTSTONE

R
 R LIGHT GREEN/GREY COLOR, BEDDING 25 DEGREES TO CORE
 R AXIS, GRADED BEDDING FROM SILTSTONE TO SANDSTONE,
 R INTENSE LIMONITE STAIN ON FRACTURES, PYRITE
 R FRACTURE FILLING, MANGANESE STAINING

KOXD	2320	2320			
/	2520	4015	PPMD	1211P	D)
L	2520	4015		6767	P1P1
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/	4015	6585	PMDD	5314P	D+
L	4015	6585		8888	P3P1
R					
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R					
/	5600	6510	XPMDD	1111R	D* <)<)
L	5600	6510		7877	P3P1
R					
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/	6585	8371	APXT	2423P	D.
L	6585	8371		7877	P2P=
R					
R					
R					
R					
R					
/	7250	8010	XBDTF	1423R	D. D=
L	7250	8010		6766	P2P=
R					
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R					
R					
/	8371	8830	PMDD	1312P	D)

CROWDED PLAG MONZODIORITE PORPHYRY

MED GREEN, SUBHEDRAL PLAG 45%, AUGITE 5% AND 15% K-SPAR IN MATRIX, MINOR HORNBLLENDE, SHEAR FABRIC 30 DEGREES TO CORE AXIS. PERVASIVE CHLORITE/CARBONATE ALTERATION TRACE PY

MINERALIZED PLAG MONZODIORITE PORPHYRY DYKE

DARK GREY/LIGHT GREEN, PLAG 25-30% ALTERED TO CALCITE AUGITES 25% BEING REPLACED BY PYRITE, 25% K-SPAR PERVASIVELY CARBONATE ALTERED, 2-3% PY

HEMATIZED/LIMONITIZED ZONE, FRATURE CONTROLLED

CHLORITIZED AUGITE PLAG CRYSTAL TUFF

MED GREEN, PERVASIVE CHLORITIC/CARBONATE ALTERATION BRECCIATED THROUGHOUT, .5-1% PY

FINE GRN MAGNETIC BEDDED TUFF

MED GREEN, VERY FINE GRAINED, TRACE TO MINOR K-SPAR IN MATRIX, 40% BROKEN PLAG/40% BROKEN AUGITE, 5% VISIBLE MAGNETITE, TRACE PY, CHLORITIC/CARBONATE ALTERED.

L 8371 8830

5655

P1<+

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PLAG MONZODIORITE PORPHYRY DYKE

DARK GREY TO LIGHT GREEN, PLAG ALTERED TO CALCITE,
ORIGINALLY 15% PLAG, 15% AUGITE PHENOS IN K-SPAR RICH
MATRIX, CHLORITICALLY ALTERED, TRACE PY.

8830 15380
8830 15380

BDTF 2413P D. <*
6766 P2<+

CHLORITIZED AUGITE PLAG BEDDED TUFF

MED GREEN, 30% PLAG, AUGITES ARE STRETCHED BY SHEARING
PERVASIVE CHLORITIC ALTERATION WITH CARBONATES
RELATED TO FRACTURES, LOCAL MAGNETITE AROUND DYKES

9555 10060
9555 10060

XFMD 2313R B1
6766 P1<+

FINE GRN, PLAG MONZODIORITE PORPHYRY DYKE

DARK GREY, 20% K-SPAR MATRIX, 25% AUGITE, 10% PLAG
SLIGHTLY MAGNETIC, PY REPLACING MAFICS

10060 10560
10060 10560

XAPDD 1211R D*
6766 P2<)

AUGITE PLAG DIORITE PORPHYRY DYKE

MED GREEN, CHLORITIZED, QUENCHED MATRIX 25% AUGITE,
LESS THEN 10% PLAG, PY<.5%, DOES NOT STAIN

10950 11580
10950 11580

XAPDD 1211R D*
6766 P2<+

DIORITE DYKE

IDENTICAL TO 100.6 TO 105.6 M INTERVAL, SLIGHTLY
MAGNETIC, TR PY

11580 13230
11580 13230

XBDTF 1312R D. <)
7777 P2P1 <)

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CONTINUATION OF PRINCIPLE UNIT

AREA OF INTENSE CHLORITIC ALTERATION RELATED TO
SHEARING, HEMATITE AND EPIDOTE NEAR SHEAR ZONES
ALONG FRACTURES

13230 14140	XPMDD	2423R	D* D*<)*<*
13230 14140		6766	P2P1 <)

PLAG MONZODIORITE PORPHYRY DYKE

PURPLISH/DARK GREEN, HEMATIZED, BRECCIATED CONTACTS
INTENSE CARBONATIZATION AND PREVASIVE PLAG, 8-10 %
K-SPAR STAIN IN MATRIX, MINOR MABNETITE AND PYRITE

14140 14860	XBDTF	1311R	D. D*<?
14140 14860		6766	P2<+

CONTINUATION OF INTERVAL 115.8 TO 132.2 M

FINE GRN. CRYSTAL TUFF, MINOR HEMATITE ASSOCIATED WITH
CALCITE FILLED FRACTURES, MAGNETIC

14860 15130	XAPDD	3534R	D. <+<+
14860 15130		5655	P2<+ <+

AUGITE PORPHYRY DIORITE DYKE

DARK GREEN, HIGHLY CHLORITIZED, 10% K-SPAR IN MATRIX
15% AUGITE AND MINOR HORNBLLENDE CHLORITICALLY ALTERED
HEMATITE AND LIMONITE ON FRACTURES, SLIGHTLY MAGNETIC

15130 15380	XBDTF	5645R	D. <+
15130 15380		5555	P3B+ Q=

FINE GRN CRYSTAL TUFF

CONTINUATION OF INTERVAL 141.4-148.6M WITH INCREASE
IN HEMATITE AND EPIDOTE, BRECCIATED CONTACTS
SLIGHT MAGNETIC

15380 15758	XAPDD	3433P	D* <+<+
15380 15758		5655	P2<+ ,)

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R
R

AUGITE PLAG PORPHYRY DIORITE

SIMILAR TO 148.6 TO 151.3 M INTERVAL EXCEPT SLIGHTLY
MAGNETIC

/END

A101	2200	2520	C6406	1.00142.00	0.10	15.00	75.00	17.00	24.00
A101	2520	2800	C6407	2.00156.00	0.10	20.00	66.00	42.00	31.00
A101	2800	3100	C6408	1.00142.00	0.05	18.00	90.00	29.00	33.00
A101	3100	3400	C6409	2.00141.00	0.05	10.00	82.00	57.00	29.00
A101	3400	3800	C6410	1.00 82.00	0.05	7.00	90.00	62.00	21.00
A101	3800	4015	C6411	1.00122.00	0.10	14.00	72.00	51.00	26.00
A101	4015	4300	C6412	1.00122.00	0.10	2.00	74.00	59.00	22.00
A101	4300	4600	C6413	2.00119.00	0.10	8.00	69.00	48.00	26.00
A101	5950	6300	C6414	3.00114.00	0.10	7.00	72.00	51.00	28.00
A101	6900	7250	C6415	2.00110.00	0.05	7.00	42.00	33.00	15.00
A101	7250	7600	C6416	4.00139.00	0.10	11.00	53.00	29.00	19.00
A101	8380	8600	C6417	6.00170.00	0.10	18.00	42.00	28.00	17.00
A101	8600	8800	C6418	3.00206.00	0.10	13.00	73.00	21.00	15.00
A101	9555	9800	C6419	2.00234.00	0.10	14.00	78.00	28.00	17.00
A101	9800	10060	C6420	3.00186.00	0.10	17.00	65.00	22.00	15.00
A101	10060	10300	C6421	1.00193.00	0.20	9.00	81.00	36.00	18.00
A101	11020	11300	C6422	2.00161.00	0.10	7.00	78.00	22.00	15.00
A101	13200	13500	C6423	1.00177.00	0.10	3.00	95.00	21.00	22.00
A101	13500	13800	C6424	1.00149.00	0.10	3.00	89.00	22.00	23.00
A101	13800	14130	C6425	2.00147.00	0.10	4.00	80.00	44.00	22.00
A101	14600	14860	C6426	3.00139.00	0.10	0.50	78.00	60.00	21.00
A101	14860	15120	C6427	1.00108.00	0.10	4.00	48.00	146.00	21.00
A101	15120	15390	C6428	1.00140.00	0.10	3.00	54.00	190.00	27.00
A101	15390	15650	C6429	2.00111.00	0.10	7.00	39.00	123.00	30.00

R

A102	2200	2520	C6406	0.56	36.00	63.00	0.40	1.00	4.71	0.20
A102	2520	2800	C6407	0.42	59.00	64.00	0.40	1.00	9.38	0.50
A102	2800	3100	C6408	0.87	69.00	78.00	0.50	2.00	9.09	0.30
A102	3100	3400	C6409	2.18	104.00	47.00	0.60	1.00	7.60	0.30
A102	3400	3800	C6410	2.35	34.00	70.00	0.60	1.00	6.63	0.30
A102	3800	4015	C6411	2.31	55.00	37.00	0.60	1.00	7.12	0.30
A102	4015	4300	C6412	2.50	33.00	33.00	0.60	1.00	4.81	0.20
A102	4300	4600	C6413	1.91	76.00	25.00	0.60	1.00	6.76	0.30
A102	5950	6300	C6414	1.82	10.00	33.00	0.80	1.00	6.30	0.30

A102	6900	7250	C6415	0.87	7.00	128.00	0.50	1.00	3.71	0.10
A102	7250	7600	C6416	1.06	10.00	113.00	0.50	1.00	1.90	0.20
A102	8380	8600	C6417	0.64	13.00	48.00	0.40	3.00	5.77	0.20
A102	8600	8800	C6418	1.18	13.00	99.00	0.40	2.00	4.25	0.20
A102	9555	9800	C6419	1.30	8.00	51.00	0.40	3.00	4.24	0.30
A102	9800	10060	C6420	1.05	11.00	47.00	0.40	1.00	6.05	0.20
A102	10060	10300	C6421	1.88	15.00	42.00	0.50	1.00	3.47	0.20
A102	11020	11300	C6422	1.69	16.00	50.00	0.50	1.00	4.09	0.05
A102	13200	13500	C6423	1.58	12.00	35.00	0.70	1.00	2.98	0.05
A102	13500	13800	C6424	1.70	10.00	30.00	0.70	1.00	3.39	0.10
A102	13800	14130	C6425	1.66	11.00	81.00	0.70	1.00	4.50	0.10
A102	14600	14860	C6426	1.88	11.00	24.00	0.50	1.00	2.06	0.05
A102	14860	15120	C6427	1.41	11.00	20.00	0.50	1.00	4.72	0.20
A102	15120	15390	C6428	1.76	13.00	12.00	0.40	1.00	3.46	0.30
A102	15390	15650	C6429	1.03	17.00	14.00	0.40	1.00	6.92	0.20
R										
A103	2200	2520	C6406	5.14	0.38	5.00	0.41	948.00	2.00	0.02
A103	2520	2800	C6407	5.48	0.20	5.00	1.50	1409.0	6.00	0.04
A103	2800	3100	C6408	5.74	0.26	6.00	1.51	1281.0	4.00	0.03
A103	3100	3400	C6409	5.61	0.12	7.00	1.98	1188.0	6.00	0.04
A103	3400	3800	C6410	5.05	0.13	8.00	1.95	1010.0	3.00	0.03
A103	3800	4015	C6411	5.48	0.10	8.00	2.07	1257.0	4.00	0.03
A103	4015	4300	C6412	5.44	0.04	8.00	2.29	1165.0	5.00	0.03
A103	4300	4600	C6413	5.84	0.07	7.00	1.81	1146.0	4.00	0.03
A103	5950	6300	C6414	4.69	0.05	6.00	1.93	1120.0	4.00	0.03
A103	6900	7250	C6415	3.41	0.33	6.00	0.37	888.00	3.00	0.01
A103	7250	7600	C6416	4.65	0.39	8.00	0.53	582.00	2.00	0.02
A103	8380	8600	C6417	3.90	0.21	6.00	0.50	734.00	6.00	0.04
A103	8600	8800	C6418	3.95	0.25	7.00	1.16	959.00	3.00	0.05
A103	9555	9800	C6419	4.26	0.19	6.00	1.05	879.00	3.00	0.04
A103	9800	10060	C6420	3.80	0.17	6.00	0.79	998.00	3.00	0.05
A103	10060	10300	C6421	4.70	0.13	9.00	1.35	1171.0	4.00	0.05
A103	11020	11300	C6422	4.38	0.19	7.00	1.20	1009.0	5.00	0.03
A103	13200	13500	C6423	5.32	0.08	7.00	1.34	903.00	4.00	0.04
A103	13500	13800	C6424	5.00	0.05	7.00	1.49	883.00	4.00	0.04
A103	13800	14130	C6425	4.81	0.06	5.00	1.61	978.00	4.00	0.04
A103	14600	14860	C6426	5.50	0.05	4.00	1.98	1004.0	5.00	0.04
A103	14860	15120	C6427	4.22	0.04	3.00	1.81	967.00	4.00	0.03
A103	15120	15390	C6428	3.89	0.07	3.00	2.25	963.00	4.00	0.02

A103	15390	15650	C6429	4.36	0.07	3.00	1.301039.0	7.00	0.03
R									
A104	2200	2520	C6406	7.00	246.00	0.00	18.00	2.50	0.13 18.00
A104	2520	2800	C6407	22.00	593.00	0.00	26.00	2.50	0.13 32.00
A104	2800	3100	C6408	28.00	604.00	0.00	41.00	2.50	0.15 35.00
A104	3100	3400	C6409	2.50	347.00	0.00	139.00	2.50	0.16 29.00
A104	3400	3800	C6410	2.50	410.00	0.02	165.00	2.50	0.16 23.00
A104	3800	4015	C6411	2.50	381.00	0.01	144.00	2.50	0.16 25.00
A104	4015	4300	C6412	2.50	202.00	0.07	146.00	2.50	0.16 17.00
A104	4300	4600	C6413	15.00	369.00	0.08	135.00	2.50	0.15 22.00
A104	5950	6300	C6414	6.00	332.00	0.15	114.00	2.50	0.13 24.00
A104	6900	7250	C6415	2.50	414.00	0.02	29.00	2.50	0.09 11.00
A104	7250	7600	C6416	2.50	236.00	0.06	51.00	2.50	0.12 13.00
A104	8380	8600	C6417	9.00	438.00	0.00	27.00	2.50	0.20 10.00
A104	8600	8800	C6418	2.50	431.00	0.00	36.00	2.50	0.26 8.00
A104	9555	9800	C6419	7.00	333.00	0.00	51.00	2.50	0.25 9.00
A104	9800	10060	C6420	7.00	481.00	0.00	66.00	2.50	0.22 9.00
A104	10060	10300	C6421	2.50	314.00	0.00	102.00	9.00	0.24 16.00
A104	11020	11300	C6422	2.50	390.00	0.00	81.00	2.50	0.24 12.00
A104	13200	13500	C6423	2.50	212.00	0.13	109.00	2.50	0.21 11.00
A104	13500	13800	C6424	2.50	234.00	0.15	122.00	2.50	0.20 12.00
A104	13800	14130	C6425	2.50	321.00	0.16	117.00	2.50	0.18 14.00
A104	14600	14860	C6426	2.50	133.00	0.18	128.00	2.50	0.17 19.00
A104	14860	15120	C6427	2.50	371.00	0.14	102.00	2.50	0.13 36.00
A104	15120	15390	C6428	2.50	301.00	0.16	107.00	2.50	0.13 45.00
A104	15390	15650	C6429	2.50	238.00	0.13	96.00	2.50	0.12 53.00
R									
A501	1520	1440	A27364	2.00	139.00	0.20	21.00	101.00	41.00 22.00
A501	1440	2040	A27365	2.00	163.00	0.40	15.00	117.00	45.00 30.00
A501	2040	2350	A27366	4.00	147.00	0.30	7.00	99.00	19.00 27.00
A501	2350	2650	A27367	2.00	183.00	0.10	13.00	76.00	21.00 25.00
A501	2650	2960	A27368	2.00	263.00	0.20	12.00	74.00	18.00 25.00
A501	2960	3260	A27369	2.00	161.00	0.20	14.00	84.00	26.00 31.00
A501	3260	3570	A27370	1.00	148.00	0.20	11.00	86.00	48.00 22.00
A501	3570	3870	A27371	3.00	144.00	0.20	5.00	95.00	59.00 23.00
A501	3870	4180	A27372	4.00	187.00	0.40	7.00	79.00	60.00 22.00
A501	4180	4480	A27373	5.00	203.00	0.30	8.00	90.00	54.00 25.00
A501	4480	4790	A27374	6.00	137.00	0.20	9.00	81.00	49.00 21.00
A501	4790	5090	A27375	3.00	145.00	0.10	3.00	79.00	58.00 21.00

A501	5090	5400	A27376	3.00	168.00	0.10	3.00	72.00	46.00	27.00
A501	5400	5700	A27377	3.00	146.00	0.20	0.50	77.00	53.00	22.00
A501	5700	6010	A27378	1.00	160.00	0.10	0.50	104.00	59.00	22.00
A501	6010	6310	A27379	2.00	193.00	0.20	24.00	83.00	58.00	22.00
A501	6310	6620	A27380	3.00	145.00	0.20	7.00	89.00	49.00	29.00
A501	6620	6920	A27381	2.00	162.00	0.20	2.00	96.00	54.00	24.00
A501	6920	7230	A27382	2.00	139.00	0.20	3.00	73.00	55.00	22.00
A501	7230	7530	A27383	2.00	149.00	0.20	1.00	76.00	57.00	24.00
A501	7530	7840	A27384	3.00	172.00	0.20	6.00	85.00	58.00	30.00
A501	7840	8140	A27385	2.00	203.00	0.20	10.00	95.00	48.00	26.00
A501	8140	8450	A27386	3.00	152.00	0.20	4.00	81.00	48.00	27.00
A501	8450	8750	A27387	3.00	187.00	0.20	8.00	76.00	52.00	25.00
A501	8750	9060	A27388	4.00	180.00	0.30	7.00	80.00	51.00	25.00
A501	9060	9360	A27389	3.00	153.00	0.10	3.00	81.00	44.00	25.00
A501	9360	9670	A27390	3.00	491.00	0.30	26.00	110.00	49.00	25.00
A501	9670	9970	A27391	3.00	225.00	0.20	9.00	89.00	46.00	20.00
A501	9970	10280	A27392	3.00	208.00	0.30	14.00	101.00	50.00	23.00
A501	10280	10580	A27393	3.00	252.00	0.20	17.00	103.00	53.00	24.00
A501	10580	10890	A27394	4.00	193.00	0.20	6.00	96.00	54.00	21.00
A501	10890	11190	A27395	2.00	236.00	0.20	4.00	93.00	54.00	19.00
A501	11190	11490	A27396	6.00	196.00	0.20	8.00	86.00	59.00	19.00
A501	11490	11790	A27397	3.00	225.00	0.30	4.00	100.00	76.00	20.00
A501	11790	12100	A27398	4.00	216.00	0.20	7.00	88.00	64.00	17.00
A501	12100	12400	A27399	3.00	151.00	0.20	10.00	78.00	76.00	17.00
A501	12400	12710	A27400	3.00	188.00	0.70	3.00	80.00	66.00	16.00
A501	12710	13010	A27401	2.00	142.00	0.20	3.00	79.00	65.00	17.00
A501	13010	13320	A27402	3.00	125.00	0.30	7.00	82.00	64.00	19.00
A501	13320	13620	A27403	3.00	155.00	0.20	3.00	103.00	56.00	20.00
A501	13620	13930	A27404	7.00	242.00	0.30	7.00	128.00	53.00	21.00
A501	13930	14230	A27405	3.00	206.00	3.80	9.00	99.00	76.00	22.00
A501	14230	14540	A27406	5.00	436.00	12.00	32.00	188.00	93.00	26.00
A501	14540	14840	A27407	5.00	281.00	0.20	28.00	109.00	97.00	27.00
A501	14840	15150	A27408	3.00	289.00	0.20	22.00	78.00	132.00	26.00
A501	15150	15450	A27409	5.00	361.00	0.20	33.00	83.00	102.00	30.00
A501	15450	15760	A27410	4.00	392.00	0.30	35.00	74.00	97.00	34.00
R										
A502	1520	1440	A27364	1.80	17.00	146.00	0.40	1.00	1.25	0.05
A502	1440	2040	A27365	1.68	19.00	164.00	0.40	2.00	1.49	0.05
A502	2040	2350	A27366	0.76	59.00	81.00	0.50	1.00	1.99	0.05

A502	2350	2650	A27367	0.62	55.00	59.00	0.40	1.00	5.99	0.05
A502	2650	2960	A27368	0.64	64.00	61.00	0.40	1.00	6.25	0.05
A502	2960	3260	A27369	1.12	58.00	66.00	0.50	1.00	7.62	0.05
A502	3260	3570	A27370	1.86	82.00	49.00	0.60	1.00	6.17	0.05
A502	3570	3870	A27371	2.15	28.00	89.00	0.60	1.00	5.69	0.05
A502	3870	4180	A27372	1.93	271.00	66.00	0.60	1.00	5.17	0.05
A502	4180	4480	A27373	2.14	324.00	69.00	0.60	1.00	5.70	0.05
A502	4480	4790	A27374	1.84	188.00	45.00	0.60	1.00	4.35	0.05
A502	4790	5090	A27375	1.95	80.00	41.00	0.60	1.00	4.05	0.05
A502	5090	5400	A27376	2.01	41.00	47.00	0.60	1.00	4.65	0.05
A502	5400	5700	A27377	2.11	24.00	95.00	0.70	1.00	4.62	0.05
A502	5700	6010	A27378	2.25	10.00	47.00	0.60	1.00	3.43	0.05
A502	6010	6310	A27379	1.84	15.00	85.00	0.70	1.00	4.81	0.05
A502	6310	6620	A27380	1.73	22.00	55.00	0.70	1.00	7.10	0.05
A502	6620	6920	A27381	1.82	20.00	81.00	0.50	1.00	2.66	0.05
A502	6920	7230	A27382	1.67	13.00	114.00	0.50	1.00	2.11	0.05
A502	7230	7530	A27383	1.63	21.00	94.00	0.50	1.00	2.52	0.05
A502	7530	7840	A27384	1.72	22.00	72.00	0.70	1.00	3.30	0.05
A502	7840	8140	A27385	1.75	15.00	202.00	0.60	1.00	2.52	0.05
A502	8140	8450	A27386	1.42	22.00	66.00	0.50	1.00	3.42	0.05
A502	8450	8750	A27387	1.38	29.00	67.00	0.50	1.00	4.23	0.05
A502	8750	9060	A27388	1.57	18.00	66.00	0.50	1.00	3.08	0.05
A502	9060	9360	A27389	1.60	27.00	76.00	0.50	1.00	2.54	0.05
A502	9360	9670	A27390	1.67	29.00	89.00	0.50	1.00	2.54	0.05
A502	9670	9970	A27391	1.71	25.00	77.00	0.50	1.00	2.21	0.05
A502	9970	10280	A27392	1.65	28.00	86.00	0.50	1.00	3.18	0.05
A502	10280	10580	A27393	1.75	30.00	83.00	0.60	1.00	2.65	0.05
A502	10580	10890	A27394	1.58	20.00	79.00	0.50	1.00	2.40	0.05
A502	10890	11190	A27395	1.62	19.00	87.00	0.50	1.00	2.02	0.05
A502	11190	11490	A27396	1.56	31.00	82.00	0.40	1.00	2.07	0.05
A502	11490	11790	A27397	1.68	20.00	86.00	0.50	1.00	2.08	0.05
A502	11790	12100	A27398	1.49	15.00	85.00	0.40	1.00	1.61	0.05
A502	12100	12400	A27399	1.62	15.00	152.00	0.50	1.00	1.60	0.05
A502	12400	12710	A27400	1.60	18.00	108.00	0.40	1.00	1.25	0.05
A502	12710	13010	A27401	1.57	18.00	96.00	0.40	1.00	1.40	0.05
A502	13010	13320	A27402	1.57	20.00	98.00	0.60	1.00	1.65	0.05
A502	13320	13620	A27403	1.61	18.00	103.00	0.50	1.00	1.75	0.05
A502	13620	13930	A27404	1.64	20.00	95.00	0.60	1.00	1.81	0.05
A502	13930	14230	A27405	1.72	22.00	119.00	0.60	1.00	2.03	1.20

A502	14230	14540	A27406	1.62	30.00	212.00	0.60	1.00	3.13	3.70
A502	14540	14840	A27407	1.79	18.00	275.00	0.60	1.00	3.28	0.05
A502	14840	15150	A27408	1.41	14.00	117.00	0.60	1.00	4.31	0.05
A502	15150	15450	A27409	1.40	37.00	101.00	0.50	2.00	3.25	0.05
A502	15450	15760	A27410	1.10	21.00	59.00	0.50	1.00	4.34	0.05
R										
A503	1520	1440	A27364	5.48	0.20	6.00	1.09	863.00	4.00	0.04
A503	1440	2040	A27365	7.29	0.18	5.00	1.04	1875.0	6.00	0.03
A503	2040	2350	A27366	6.55	0.27	6.00	0.25	1581.0	3.00	0.02
A503	2350	2650	A27367	5.60	0.21	4.00	0.51	1166.0	4.00	0.02
A503	2650	2960	A27368	5.32	0.21	4.00	1.10	1181.0	6.00	0.03
A503	2960	3260	A27369	5.70	0.21	5.00	1.18	1265.0	5.00	0.03
A503	3260	3570	A27370	5.04	0.15	6.00	1.63	980.00	5.00	0.03
A503	3570	3870	A27371	5.26	0.14	6.00	1.82	951.00	5.00	0.04
A503	3870	4180	A27372	5.30	0.16	7.00	1.61	953.00	4.00	0.03
A503	4180	4480	A27373	5.94	0.15	7.00	1.80	1072.0	5.00	0.03
A503	4480	4790	A27374	5.39	0.13	7.00	1.56	846.00	5.00	0.03
A503	4790	5090	A27375	5.08	0.11	7.00	1.64	798.00	3.00	0.03
A503	5090	5400	A27376	5.35	0.18	7.00	1.57	802.00	5.00	0.04
A503	5400	5700	A27377	5.11	0.10	7.00	1.68	934.00	3.00	0.03
A503	5700	6010	A27378	5.03	0.08	8.00	2.00	947.00	2.00	0.03
A503	6010	6310	A27379	5.09	0.13	7.00	1.50	995.00	3.00	0.04
A503	6310	6620	A27380	4.82	0.08	6.00	1.46	1429.0	3.00	0.04
A503	6620	6920	A27381	5.31	0.25	6.00	1.07	694.00	2.00	0.03
A503	6920	7230	A27382	5.75	0.36	6.00	0.90	650.00	2.00	0.03
A503	7230	7530	A27383	6.44	0.32	6.00	0.92	719.00	4.00	0.02
A503	7530	7840	A27384	6.80	0.28	8.00	1.06	921.00	6.00	0.03
A503	7840	8140	A27385	6.86	0.21	6.00	1.29	870.00	6.00	0.03
A503	8140	8450	A27386	6.10	0.23	6.00	0.92	851.00	7.00	0.02
A503	8450	8750	A27387	5.93	0.22	7.00	0.87	892.00	9.00	0.03
A503	8750	9060	A27388	5.84	0.25	7.00	0.97	843.00	6.00	0.03
A503	9060	9360	A27389	5.69	0.27	7.00	0.92	770.00	5.00	0.02
A503	9360	9670	A27390	6.30	0.28	7.00	0.96	829.00	7.00	0.03
A503	9670	9970	A27391	5.70	0.24	7.00	1.01	718.00	5.00	0.04
A503	9970	10280	A27392	5.65	0.28	6.00	0.98	846.00	6.00	0.03
A503	10280	10580	A27393	5.87	0.27	9.00	0.98	811.00	4.00	0.03
A503	10580	10890	A27394	5.55	0.22	8.00	0.96	754.00	5.00	0.03
A503	10890	11190	A27395	6.08	0.22	8.00	0.95	764.00	4.00	0.04
A503	11190	11490	A27396	7.31	0.22	7.00	0.87	882.00	5.00	0.03

A503	11490	11790	A27397	5.75	0.19	7.00	1.11805.00	3.00	0.03	
A503	11790	12100	A27398	5.15	0.14	6.00	1.14658.00	3.00	0.03	
A503	12100	12400	A27399	5.30	0.19	6.00	1.20676.00	4.00	0.04	
A503	12400	12710	A27400	5.35	0.19	6.00	1.07613.00	2.00	0.04	
A503	12710	13010	A27401	5.17	0.17	6.00	1.12628.00	3.00	0.03	
A503	13010	13320	A27402	4.93	0.20	8.00	1.06605.00	2.00	0.04	
A503	13320	13620	A27403	5.44	0.18	7.00	1.09679.00	3.00	0.04	
A503	13620	13930	A27404	5.84	0.16	7.00	1.16724.00	1.00	0.03	
A503	13930	14230	A27405	6.30	0.25	6.00	1.16735.00	3.00	0.06	
A503	14230	14540	A27406	7.63	0.20	5.00	1.30998.00	9.00	0.04	
A503	14540	14840	A27407	7.00	0.21	6.00	1.561051.0	9.00	0.05	
A503	14840	15150	A27408	6.36	0.12	5.00	1.431052.0	5.00	0.05	
A503	15150	15450	A27409	7.12	0.16	5.00	1.231068.0	9.00	0.04	
A503	15450	15760	A27410	7.44	0.19	5.00	0.881010.0	11.00	0.04	
R										
A504	1520	1440	A27364	2.50	68.00	0.04	88.00	58.00	0.11	25.00
A504	1440	2040	A27365	9.00	87.00	0.02	81.00	85.00	0.11	30.00
A504	2040	2350	A27366	20.00	87.00	0.00	24.00	39.00	0.10	23.00
A504	2350	2650	A27367	8.00	332.00	0.00	21.00	8.00	0.10	23.00
A504	2650	2960	A27368	14.00	437.00	0.00	23.00	13.00	0.11	27.00
A504	2960	3260	A27369	16.00	419.00	0.00	47.00	7.00	0.12	30.00
A504	3260	3570	A27370	6.00	353.00	0.00	105.00	15.00	0.13	23.00
A504	3570	3870	A27371	2.50	332.00	0.02	155.00	29.00	0.14	26.00
A504	3870	4180	A27372	2.50	308.00	0.02	118.00	20.00	0.13	25.00
A504	4180	4480	A27373	2.50	341.00	0.02	132.00	25.00	0.15	27.00
A504	4480	4790	A27374	8.00	265.00	0.07	118.00	33.00	0.14	25.00
A504	4790	5090	A27375	8.00	235.00	0.11	122.00	30.00	0.15	22.00
A504	5090	5400	A27376	6.00	353.00	0.09	110.00	12.00	0.14	26.00
A504	5400	5700	A27377	2.50	266.00	0.14	129.00	23.00	0.15	24.00
A504	5700	6010	A27378	2.50	235.00	0.15	131.00	113.00	0.16	28.00
A504	6010	6310	A27379	7.00	298.00	0.16	110.00	40.00	0.14	27.00
A504	6310	6620	A27380	5.00	360.00	0.15	119.00	22.00	0.13	27.00
A504	6620	6920	A27381	2.50	154.00	0.07	82.00	32.00	0.13	27.00
A504	6920	7230	A27382	2.50	144.00	0.06	80.00	6.00	0.12	26.00
A504	7230	7530	A27383	2.50	182.00	0.05	85.00	5.00	0.13	25.00
A504	7530	7840	A27384	2.50	240.00	0.07	92.00	13.00	0.12	29.00
A504	7840	8140	A27385	2.50	181.00	0.12	100.00	22.00	0.11	30.00
A504	8140	8450	A27386	6.00	240.00	0.07	69.00	20.00	0.12	30.00
A504	8450	8750	A27387	2.50	268.00	0.06	70.00	34.00	0.15	33.00

A504	8750	9060	A27388	2.50206.00	0.05	73.00	23.00	0.14	30.00
A504	9060	9360	A27389	2.50191.00	0.04	64.00	10.00	0.15	26.00
A504	9360	9670	A27390	2.50192.00	0.04	68.00	37.00	0.16	30.00
A504	9670	9970	A27391	2.50153.00	0.04	72.00	16.00	0.16	24.00
A504	9970	10280	A27392	2.50220.00	0.04	73.00	47.00	0.15	29.00
A504	10280	10580	A27393	2.50194.00	0.05	74.00	64.00	0.15	34.00
A504	10580	10890	A27394	2.50173.00	0.05	79.00	50.00	0.15	30.00
A504	10890	11190	A27395	2.50163.00	0.05	82.00	59.00	0.15	30.00
A504	11190	11490	A27396	2.50163.00	0.05	74.00	46.00	0.14	30.00
A504	11490	11790	A27397	2.50166.00	0.04	90.00	50.00	0.15	31.00
A504	11790	12100	A27398	2.50109.00	0.06	82.00	55.00	0.13	30.00
A504	12100	12400	A27399	2.50100.00	0.09	92.00	28.00	0.13	28.00
A504	12400	12710	A27400	2.50 84.00	0.07	85.00	62.00	0.13	27.00
A504	12710	13010	A27401	2.50 95.00	0.07	85.00	47.00	0.14	29.00
A504	13010	13320	A27402	9.00104.00	0.07	87.00	33.00	0.13	26.00
A504	13320	13620	A27403	13.00115.00	0.09	94.00	93.00	0.15	29.00
A504	13620	13930	A27404	7.00124.00	0.11100.00	240.00		0.17	34.00
A504	13930	14230	A27405	11.00144.00	0.11100.00	92.00		0.15	31.00
A504	14230	14540	A27406	16.00196.00	0.10101.00	351.00		0.15	55.00
A504	14540	14840	A27407	11.00360.00	0.14120.00	71.00		0.17	39.00
A504	14840	15150	A27408	18.00338.00	0.15106.00	22.00		0.16	38.00
A504	15150	15450	A27409	14.00283.00	0.13108.00	25.00		0.16	42.00
A504	15450	15760	A27410	17.00247.00	0.11 93.00	25.00		0.13	55.00

/	3155	4065	XPPMD	1312R	D.	<+
L	3155	4065		7877	P1P1	
R						
R			PLAG PORPHYRY MONZODIORITE DYKE			
R			DARK GREY MATRIX, 25% K-SPAR, PLAG 30% ALTERED TO			
R			CALCITE, VERY SLIGHTLY MAGNETIC			
/	4630	8055	TFMS	1312P	L+	
L	4630	8055		8988		<+
R						
R			GRAPHITIC BLACK MUDSTONE			
R			VERY FINE GRN, BLACK, PERVASIVE GRAPHITE, LAMINATED,			
R			MINOR PYRITE AND FRACTURE FILLING CALCITE.			
/	6290	8055	5BDSS	3524R	L+	
L	6290	8055		6867		<=<*
R			SAME LITHOLOGY, MINERALIZATION, ALTERATION AND			
R			STRUCTURES AS DESCRIBED IN THE ABOVE PRINCIPLE UNIT;			
R			INTERBEDDING OF THE SEDIMENTS OCCURS HERE (ABOUT 50%)			
R			EACH; APPEARS TO BE MORE CALCITE VEINS IN THE SILTST.			
R			OF THIS INTERVAL (UP TO 5%) (2-10MM); FIRST APPEARANCE			
R			OF A QTZ/CA VEIN (MULTIPLE 2-4CM) AT 73.2 M TO 75.5 M			
R			MICROFOLDS IN CA VEINLETS W/ OPEN FOLD AXIS NORMAL			
R			TO BEDDING AND TIGHT FOLD AXIS PARALLEL TO BEDS;			
R			QTZ/CA VEINS AT MODERATE ANGLE TO C.A.; SOME MICRO-			
R			FAULTING SEEN IN CA VEINS ALSO; LESS THAN 1% KSPAR			
R			STAIN IN S.S.			
/	8055	8970	BDSS	2423P	D.	
L	8055	8970		6766	P1P1	
R			PROBABLY EQUIVALENT LITHOLOGY AS INTERVAL 30.78 TO			
R			46.3M, BUT APPEARS TO HAVE MORE SHEAR FABRIC PARALEL			
R			TO BEDDING PLANES; ALSO APPEARS TO HAVE 1-2 CM CYCLES			
R			OF GRADED BEDS (MUDST. TO FINE SANDST.) IN AREAS, BUT			
R			DOMINANTLY SILTST.; LESS THAN 1% KSPAR; RELATIVELY			
R			COMPETENT; A FEW 1 CM CA VEINS AT 84M			
/	8650	8970	9PMDD	1313R	D=	
L	8650	8970		6656		<1<=
R			PLAG MONZODIORITE PORPH DYKE (XENOLITHIC)			
R						

R LIGHT GREY TO DARK GREY; CARBONATIZED PLAG(2-4MM) (30%
R 25-30% KSPAR STAIN IN MATRIX; ENTIRE INTERVAL IS XENO
R LITHIC W/ SILTST. SUBANGULAR FRAGMENTS(MOST HAVING ST
R RETCHED TAILS PARALLEL TO ORIGINAL BEDDING) (3-20MM);
R DYKE SEEMS TO HAVE INJECTED PARALLEL TO BEDDING (35-
R TO C.A.);DISEM.PY (UP TO 5%), AS WELL AS 2% FRACTURE C
R ONTOLLED PY; SILTST. CLASTS HAVE CA RIMS AND ABOUT 10
R % CARBONATE STOCKWORK ALTERATION ASSOC W/ PY;NO MAG.

/ 8970 11670
L 8970 11670

APBT 2322P D)
5655 P2P2

CHLORITIZED AUG/PLAG PORPH BEDDED TUFF

R LIGHT GREY TO GREEN; PERVASIVE CARBONATE(15%) AND CHL
R ORITE(20%); BEDDING AT 35 TO C.A. W/ A PARALLEL SHEAR
R FABRIC(CAUSING A WAVY FOLIATION); CA FILLED FRACTURES
R PARALLEL TO BEDDING MAINLY(1-2%);LOCALLY UP TO 3% DIS
R EM PY (IN INTENSELY CARBONATIZED INTERVALS) BUT MOST
R LY ONLY TRACE DISEM PY; NOT MAGNETIC;RELATIVELY COMP-
R ETENT ROCK;CA VEINS(2-3%) (1-4MM); LOCALIZED ZONES(UP
R TO 40 CM) NEAR UPPER CONTACT COULD BE INFLUENCED BY S
R MALL SPLAYS OFF THE MAIN DYKE ABOVE, AS CA/PY CONTENT
R INCREASES AND BEDDING BECOMES LESS DECIPHERABLE;LOOKS
R LIKE AN AUGITE PORPH FLOW AT 105M, BUT PROBABLY JUST
R SHEARED, BEDDED TUFF; CLORITIC PATCHES THROUGHOUT
R (4-20MM)

/ 11385 11670
L 11385 11670

5PMDD 2423R D+
3555 P1P2

TUFF/MZDR HYBRID

R DIRTY GREY ZONE WHICH REPRESENTS A SUB-BRECCIATED ZON
R CONTACT INTERVAL; FAINT BEDDING REMNANTS VISIBLE IN P
R LACES, BUT INTERVAL HAS BEEN INTRUDED BY FLUIDS FROM
R THE DYKE BELOW, CONCENTRATING PY(DISEM 2%) AND CA(5%
R (2-4MM VEINS); FLUIDS NOT INTENSE ENOUGH TO CAUSE
R BRECCIATION(THE ONLY VISIBLE CLASTS ARE FOR 10 CM AT
R 115.5M

/ 11670 14311
L 11670 14311

XPMDD 2433P D=
2555 P=P2

CARBONATIZED MZDR PLAG PORPH DYKE

R PATCHY CHLORITIC LAMELLAE(5%) PARALLEL TO BEDDING;
R PATCHY KSPAR STAIN UP TO 6-8%(PROBABLY REPRESENTS
R PSEUDOFRAGMENTS FROM ALTERATION BY DYKE); MINOR KSPAR
R VEINLETS(<1MM); UP TO 10% DISEM AND FRACTURE CONTROLLED
R PY (AVG 4-5%); NOT MAGNETIC; SLIGHT BRECCIATION AT
R 157.8M W/ INTENSE FRACTURING/CHLORITE REPLACEMENT
/ 16155 16695 XPMDD 2423R B1 D*
L 16155 16695 3544 B1P1
R PLAG PORPH MZDR DYKE
R
R SAME AS INTERVAL 131.99 TO 136.6M; POSSIBLY FINER-
R GRAINED INTRUSIVE; PLAG ARE VERY HARD TO RECOGNIZE;
R ABOUT 15-20% KSPAR STAIN; MODERATE MAGNETISM; CL/PY
R BLEBS(1-3MM)(20%) WERE PROBABLY AUGITES; MINOR, VERY
R FINE GRAINED BLACK MINERALS ARE PROBABLY MAGNETITE
R (DISEM)(1/10 MM); CONTACTS AT MODERATE ANGLES TO C.A.
R BUT NOT EASILY DETERMINED(NEEDED KSPAR STAIN AND MAG)
R ONE QTZ/CA VEIN FOUND AT 162.3 M
/ 16695 17700 5PMDD 3534R D)B.
L 16695 17700 4544 P1P1
R SLIGHTLY MAGNETIC INTERVAL, WITH ABOUT HALF INTRUSIVE
R AND HALF VOLCANIC(HYBRID);ZONE OF WALL ROCK CONTAMINA
R TION W/I SMALL DYKE SPLAYS, BUT NOT ENOUGH TEMP./
R FLUIDS TO TOTALLY DESTROY BEDDING; SIMILIAR TO INTERV
R AL 154.5 TO 161M; TRACE CPY AND MINOR PO OBSERVED AT
R 175.5M (OCCUR AS BLEBS ASSOC. W/ CA FRACTURES)
/ 17700 19610 XBDF 3423R B+B.
L 17700 19610 4655 P2<1
R CHLORITIC BEDDED TUFF
R
R CONTINUATION OF PRINCIPLE UNIT; NOT UBIQ MAGNETISM;
R LOCAL HORIZONS ARE HIGHLY DEFORMED(EX. B/W 178 AND
R 179 M);MAIN BEDDING AT 25 TO C.A.;LAMINAE ARE REPEATE
R D GRADED CYCLES FROM FINE SILTST. TO COARSE SANDST.
R SIZE AUG/PLAG TUFF (1 CM CYCLES W/ FINE BLACK LAYERS
R 1/4 MM WIDE);EXTENSIVE CHLORITIC/CALCITE ALTERATION
R (FRACTURE CONTROLLED, LOW ANGLE VEINS(1-5MM)); SOME-
R TIMES PO ASSOC. W/ PY FRACTURES(LOCAL MAGNETISM);
R CERTAIN LAYERS CONTAIN ALLIGNED/STRETCHED BLACK GRAIN

R S (1/2 BY 2MM) (10%) WHICH COULD BE STRETCHED AUGITES,
R OR POSSIBLY MUDSTONE RIP-UP CLASTS (NOT CALCAREOUS W/
R A HARDNESS OF ABOUT 5); TRACE CPY ASSOC. W/ PO FILLED
R FRACTURES AT 184M
/ 19370 19610 8PMDD 2423R B+
L 19370 19610 5766 P1B=
R PLAG PORPH MZDR DYKE
R
R SAME AS INTERVAL 161.5 TO 166.95; 25-30% KSPAR STAIN
R NOT MAGNETIC; CARBONATIZED PLAG; SOME AREAS ARE A VOL
R CANIC HYBRID (BEDDING REMNANTS); PY BLEBS (2-10MM) (2-3%)
R GOUGED UPPER CONTACT; SMEARED PY ON SHEARED FRACTURES
R (1%)
/ 19610 22460 XAPVF 1423P D*
L 19610 22460 4545 P2<= P1 B1
R AUGITE PORPH FLOW
R
R MED TO DARK GREEN; CHLORITIZED (PERVASIVE) (15%); CHLOR-
R ITIZED AUGITES (15-20%) (2-3MM), STRETCHED AND FOLIATED
R AT 40 TO C.A.; EPIDOTE BLEBS (FIRST APPEARANCE IN HOL
R E) THROUGHOUT INTERVAL ASSOC. W/ CA/CL (REPLACING SOM
R E PLAG); APPROX. 20% PROPYLITIC ALTERATION; PATCHY
R POTASSIC FLOODING, BUT INCREASES W/ DEPTH (FROM 5 TO
R 25% KSPAR STAIN); PLAG HARD TO DISTINGUISH (STRETCHED
R AND CARBONATIZED)
/ 21200 22460 XAPVF 1312R D*B.
L 21200 22460 5545 P2<= P1 B1
R CONTINUATION OF PRINCIPLE UNIT; AUGITES ARE SUB-
R ROUND TO EUHEDRAL (25%) (2-4MM); TRACE CPY ASSOC. W/
R MINOR PO (AT 212.6M); SLIGHTLY MAGNETIC WHERE PO BLEBS
R OCCUR (ASSOC W/ CA FRACTURES AND AUGITE REPLACEMENT);
R PY UP TO 1% ON FRACTURES; FLOW BANDING AT ABOUT 40 TP
R C.A.; EP AS BLEBS (10%) AND VEINLETS (2%); 25% KSPAR
R STAIN AT VERY BOTTOM OF HOLE; INCREASE IN VERY LOW
R ANGLE FRACTURES WITH DEPTH
R
R 22460 22460 END OF HOLE
/END
R

R

A101	3750	4070	C6430	1.00	53.00	0.20	16.00	71.00	26.00	14.00
A101	4070	4350	C6431	0.50	49.00	0.10	11.00	76.00	25.00	18.00
A101	4630	5000	C6432	0.50	71.00	0.80	18.00	379.00	42.00	14.00
A101	8050	8300	C6433	5.00	102.00	0.10	16.00	70.00	24.00	20.00
A101	8650	8970	C6434	8.00	75.00	0.30	10.00	76.00	32.00	18.00
A101	8970	9200	C6435	2.00	137.00	0.20	13.00	68.00	39.00	19.00
A101	9200	9400	C6436	0.50	137.00	0.10	6.00	70.00	53.00	21.00
A101	9400	9600	C6437	2.00	118.00	0.10	6.00	71.00	38.00	21.00
A101	9600	9800	C6438	1.00	122.00	0.10	7.00	76.00	33.00	21.00
A101	9800	10000	C6439	8.00	149.00	0.50	103.00	94.00	31.00	21.00
A101	10000	10300	C6440	3.00	103.00	0.30	10.00	78.00	31.00	22.00
A101	10300	10500	C6441	2.00	109.00	0.30	10.00	78.00	32.00	21.00
A101	10500	10700	C6442	4.00	105.00	0.40	14.00	70.00	27.00	23.00
A101	11330	11530	C6443	3.00	77.00	0.10	15.00	79.00	20.00	20.00
A101	11530	11700	C6444	2.00	48.00	0.10	13.00	57.00	19.00	16.00
A101	11700	11870	C6445	2.00	81.00	0.50	13.00	79.00	19.00	17.00
A101	11870	12100	C6446	4.00	72.00	0.40	14.00	68.00	20.00	18.00
A101	12100	12300	C6447	2.00	76.00	0.30	11.00	78.00	18.00	17.00
A101	12300	12500	C6448	2.00	100.00	0.10	13.00	87.00	20.00	19.00
A101	12500	12700	C6449	1.00	92.00	0.10	15.00	76.00	18.00	17.00
A101	12700	12900	C6450	12.00	84.00	0.40	22.00	74.00	19.00	19.00
A101	12900	13055	C6451	9.00	55.00	0.40	23.00	44.00	19.00	20.00
A101	13055	13199	C6452	3.00	83.00	0.30	28.00	104.00	18.00	20.00
A101	13199	13400	C6453	8.00	28.00	0.20	36.00	74.00	18.00	20.00
A101	13400	13670	C6454	7.00	72.00	0.40	314.00	375.00	19.00	19.00
A101	13670	13900	C6455	1.00	86.00	0.40	36.00	113.00	18.00	16.00
A101	13900	14110	C6456	2.00	81.00	0.40	56.00	129.00	18.00	17.00
A101	14110	14300	C6457	1.00	113.00	0.90	264.00	536.00	22.00	21.00
A101	14800	15000	C6458	0.50	73.00	0.10	15.00	91.00	40.00	22.00
A101	15000	15200	C6459	0.50	85.00	0.10	12.00	95.00	27.00	23.00
A101	15200	15430	C6460	0.50	59.00	0.10	13.00	86.00	28.00	20.00
A101	15430	15600	C6461	0.50	76.00	0.10	8.00	83.00	24.00	17.00
A101	15600	15800	C6462	0.50	89.00	0.10	10.00	69.00	29.00	17.00
A101	15800	16000	C6463	0.50	57.00	0.05	9.00	52.00	22.00	15.00
A101	16000	16150	C6464	2.00	64.00	0.10	11.00	81.00	21.00	18.00
A101	16150	16350	C6465	2.00	98.00	0.20	11.00	70.00	19.00	18.00
A101	16350	16550	C6466	0.50	103.00	0.10	12.00	81.00	21.00	16.00
A101	16550	16695	C6467	0.50	95.00	0.10	11.00	81.00	32.00	16.00

A101	16695	16900	C6468	0.50	108.00	0.20	7.00	94.00	22.00	19.00
A101	16900	17100	C6469	0.50	94.00	0.20	7.00	73.00	18.00	18.00
A101	17100	17300	C6470	9.00	68.00	0.10	12.00	67.00	18.00	18.00
A101	17300	17500	C6471	0.50	87.00	0.10	11.00	72.00	18.00	18.00
A101	17500	17700	C6472	0.50	78.00	0.10	7.00	74.00	20.00	17.00
A101	17700	17900	C6473	0.50	241.00	0.30	12.00	93.00	114.00	32.00
A101	17900	18100	C6474	0.50	221.00	0.50	16.00	89.00	109.00	32.00
A101	18100	18300	C6475	0.50	176.00	0.40	10.00	91.00	90.00	32.00
A101	18300	18500	C6476	3.00	382.00	0.30	6.00	81.00	71.00	33.00
A101	18500	18700	C6477	0.50	98.00	0.30	2.00	83.00	98.00	35.00
A101	19100	19300	C6478	0.50	186.00	0.20	3.00	97.00	32.00	26.00
A101	19380	19610	C6479	1.00	280.00	0.90	19.00	130.00	33.00	24.00
A101	19610	19800	C6480	0.50	130.00	0.20	4.00	81.00	112.00	31.00
A101	21200	21400	C6481	0.50	387.00	0.20	0.50	66.00	100.00	30.00
A101	21400	21600	C6482	0.50	161.00	0.10	5.00	57.00	98.00	28.00
A101	22200	22400	C6483	0.50	141.00	0.10	6.00	77.00	112.00	32.00

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END ; TOTAL 54 CORE SAMPLES FOR DDH 92-886

A102	3750	4070	C6430	0.28	71.00	19.00	0.60	3.00	8.21	0.20
A102	4070	4350	C6431	0.24	79.00	23.00	0.70	1.00	9.77	0.20
A102	4630	5000	C6432	0.36	67.00	53.00	0.60	1.00	4.08	3.40
A102	8050	8300	C6433	0.47	63.00	46.00	0.50	1.00	10.79	0.30
A102	8650	8970	C6434	0.93	38.00	46.00	0.50	3.00	7.24	0.10
A102	8970	9200	C6435	1.08	36.00	29.00	0.70	1.00	9.54	0.20
A102	9200	9400	C6436	2.04	22.00	40.00	0.70	1.00	8.23	0.05
A102	9400	9600	C6437	2.08	21.00	39.00	0.60	1.00	8.62	0.10
A102	9600	9800	C6438	1.90	23.00	49.00	0.50	1.00	7.61	0.20
A102	9800	10000	C6439	1.72	19.00	37.00	0.50	1.00	7.19	0.50
A102	10000	10300	C6440	1.90	16.00	40.00	0.50	2.00	6.21	0.20
A102	10300	10500	C6441	1.95	17.00	32.00	0.50	3.00	6.59	0.20
A102	10500	10700	C6442	1.71	22.00	36.00	0.40	1.00	6.32	0.30
A102	11330	11530	C6443	0.70	21.00	41.00	0.40	3.00	8.14	0.30
A102	11530	11700	C6444	0.56	18.00	47.00	0.40	3.00	8.93	0.30
A102	11700	11870	C6445	0.96	21.00	44.00	0.40	4.00	6.29	0.70
A102	11870	12100	C6446	0.62	25.00	26.00	0.40	5.00	6.58	0.40
A102	12100	12300	C6447	1.09	14.00	28.00	0.40	3.00	6.22	0.30
A102	12300	12500	C6448	0.81	23.00	35.00	0.50	1.00	6.87	0.30
A102	12500	12700	C6449	0.60	26.00	22.00	0.40	3.00	7.89	0.30
A102	12700	12900	C6450	0.50	82.00	24.00	0.50	4.00	7.88	0.80
A102	12900	13055	C6451	0.80	40.00	30.00	0.50	5.00	8.42	0.80

A102	13055	13199	C6452	1.56	31.00	33.00	0.50	5.00	6.42	1.30
A102	13199	13400	C6453	1.02	38.00	28.00	0.50	1.00	6.52	1.60
A102	13400	13670	C6454	1.08	77.00	48.00	0.40	4.00	6.10	10.60
A102	13670	13900	C6455	0.97	115.00	48.00	0.50	1.00	6.67	0.90
A102	13900	14110	C6456	0.86	35.00	38.00	0.40	1.00	7.89	0.90
A102	14110	14300	C6457	1.40	61.00	36.00	0.50	2.00	6.32	5.20
A102	14800	15000	C6458	1.27	14.00	34.00	0.50	2.00	4.74	0.50
A102	15000	15200	C6459	1.58	12.00	33.00	0.50	4.00	5.06	0.50
A102	15200	15430	C6460	1.26	14.00	35.00	0.50	3.00	5.17	0.40
A102	15430	15600	C6461	1.14	13.00	42.00	0.50	4.00	2.17	0.40
A102	15600	15800	C6462	0.98	14.00	39.00	0.50	2.00	4.13	0.30
A102	15800	16000	C6463	0.31	23.00	23.00	0.40	1.00	6.74	0.20
A102	16000	16150	C6464	0.43	69.00	30.00	0.30	3.00	6.16	0.30
A102	16150	16350	C6465	0.68	45.00	29.00	0.40	1.00	6.60	0.40
A102	16350	16550	C6466	1.25	10.00	37.00	0.40	1.00	5.06	0.30
A102	16550	16695	C6467	1.09	9.00	29.00	0.40	1.00	5.37	0.20
A102	16695	16900	C6468	1.66	15.00	37.00	0.50	1.00	6.35	0.40
A102	16900	17100	C6469	1.22	67.00	37.00	0.40	1.00	6.22	0.20
A102	17100	17300	C6470	0.72	32.00	40.00	0.40	3.00	6.47	0.30
A102	17300	17500	C6471	1.01	14.00	33.00	0.50	1.00	7.10	0.40
A102	17500	17700	C6472	1.10	22.00	40.00	0.40	1.00	5.92	0.40
A102	17700	17900	C6473	3.12	53.00	23.00	0.50	1.00	4.30	0.40
A102	17900	18100	C6474	2.36	68.00	32.00	0.50	1.00	5.46	0.60
A102	18100	18300	C6475	1.84	61.00	35.00	0.50	1.00	4.57	0.60
A102	18300	18500	C6476	1.15	289.00	47.00	0.50	1.00	5.84	0.50
A102	18500	18700	C6477	2.84	77.00	24.00	0.50	1.00	3.88	0.40
A102	19100	19300	C6478	2.66	20.00	22.00	0.50	4.00	3.84	0.30
A102	19380	19610	C6479	2.06	28.00	26.00	0.50	1.00	4.44	0.70
A102	19610	19800	C6480	3.13	27.00	17.00	0.50	1.00	5.98	0.40
A102	21200	21400	C6481	2.22	11.00	22.00	0.30	3.00	2.98	0.30
A102	21400	21600	C6482	1.99	15.00	26.00	0.30	2.00	3.53	0.30
A102	22200	22400	C6483	2.73	17.00	18.00	0.40	1.00	4.77	0.40
R										
R										
A103	3750	4070	C6430	3.99	0.15	7.00	0.20	1138.0	3.00	0.01
A103	4070	4350	C6431	4.00	0.17	6.00	0.44	1031.0	2.00	0.01
A103	4630	5000	C6432	4.00	0.22	6.00	1.04	447.00	11.00	0.02
A103	8050	8300	C6433	4.01	0.22	5.00	0.38	901.00	5.00	0.02
A103	8650	8970	C6434	4.26	0.24	5.00	1.15	953.00	4.00	0.02

A103	8970	9200	C6435	4.44	0.20	6.00	0.88956.00	3.00	0.02
A103	9200	9400	C6436	5.15	0.15	6.00	1.551090.0	4.00	0.03
A103	9400	9600	C6437	4.87	0.19	5.00	1.601063.0	3.00	0.02
A103	9600	9800	C6438	4.86	0.25	4.00	1.50927.00	4.00	0.02
A103	9800	10000	C6439	4.48	0.20	5.00	1.02987.00	3.00	0.02
A103	10000	10300	C6440	4.57	0.24	5.00	1.52816.00	3.00	0.02
A103	10300	10500	C6441	4.56	0.25	5.00	1.47920.00	3.00	0.02
A103	10500	10700	C6442	4.38	0.24	4.00	1.15810.00	4.00	0.02
A103	11330	11530	C6443	4.64	0.28	5.00	0.311134.0	4.00	0.02
A103	11530	11700	C6444	3.77	0.29	5.00	0.191189.0	4.00	0.02
A103	11700	11870	C6445	3.93	0.27	5.00	0.571000.0	3.00	0.03
A103	11870	12100	C6446	3.98	0.19	6.00	0.311064.0	2.00	0.03
A103	12100	12300	C6447	3.36	0.17	6.00	0.581066.0	0.50	0.03
A103	12300	12500	C6448	4.19	0.22	7.00	0.451314.0	3.00	0.03
A103	12500	12700	C6449	3.98	0.18	7.00	0.371508.0	6.00	0.03
A103	12700	12900	C6450	4.45	0.21	8.00	0.231286.0	4.00	0.03
A103	12900	13055	C6451	4.77	0.23	8.00	0.461395.0	6.00	0.03
A103	13055	13199	C6452	4.25	0.20	9.00	0.971232.0	5.00	0.03
A103	13199	13400	C6453	4.62	0.20	7.00	0.601191.0	5.00	0.03
A103	13400	13670	C6454	4.27	0.24	7.00	0.531047.0	2.00	0.03
A103	13670	13900	C6455	3.92	0.25	6.00	0.481045.0	5.00	0.02
A103	13900	14110	C6456	4.13	0.16	5.00	0.761296.0	2.00	0.03
A103	14110	14300	C6457	4.02	0.14	6.00	1.501215.0	7.00	0.02
A103	14800	15000	C6458	4.94	0.14	5.00	1.191072.0	4.00	0.02
A103	15000	15200	C6459	4.85	0.12	6.00	1.461099.0	6.00	0.03
A103	15200	15430	C6460	4.71	0.17	6.00	1.17955.00	5.00	0.02
A103	15430	15600	C6461	3.93	0.23	6.00	1.16548.00	3.00	0.02
A103	15600	15800	C6462	4.33	0.19	6.00	0.78717.00	5.00	0.03
A103	15800	16000	C6463	4.55	0.12	6.00	0.12793.00	5.00	0.03
A103	16000	16150	C6464	4.48	0.19	6.00	0.19881.00	5.00	0.03
A103	16150	16350	C6465	4.37	0.19	5.00	0.461003.0	4.00	0.03
A103	16350	16550	C6466	4.28	0.25	7.00	1.01890.00	2.00	0.03
A103	16550	16695	C6467	4.43	0.22	6.00	0.86988.00	2.00	0.02
A103	16695	16900	C6468	5.21	0.14	6.00	1.141299.0	1.00	0.03
A103	16900	17100	C6469	4.75	0.22	6.00	0.671241.0	3.00	0.03
A103	17100	17300	C6470	5.05	0.33	5.00	0.271110.0	3.00	0.03
A103	17300	17500	C6471	4.54	0.29	5.00	0.451329.0	3.00	0.03
A103	17500	17700	C6472	4.16	0.32	6.00	0.551120.0	3.00	0.02
A103	17700	17900	C6473	6.39	0.12	5.00	2.811253.0	0.50	0.02

A103	17900	18100	C6474	6.05	0.23	5.00	2.531422.0	2.00	0.02
A103	18100	18300	C6475	5.90	0.38	5.00	2.581222.0	2.00	0.02
A103	18300	18500	C6476	6.01	0.43	4.00	2.171619.0	1.00	0.03
A103	18500	18700	C6477	6.30	0.30	4.00	3.831390.0	3.00	0.02
A103	19100	19300	C6478	6.03	0.12	5.00	1.991192.0	3.00	0.02
A103	19380	19610	C6479	5.96	0.13	5.00	0.801006.0	1.00	0.03
A103	19610	19800	C6480	6.11	0.05	5.00	2.941154.0	0.50	0.02
A103	21200	21400	C6481	4.93	0.10	5.00	1.95850.00	2.00	0.03
A103	21400	21600	C6482	4.23	0.08	6.00	1.78731.00	1.00	0.03
A103	22200	22400	C6483	5.44	0.14	7.00	2.68970.00	1.00	0.03
R									
A104	3750	4070	C6430	2.50351.00	0.00	19.00	6.00	0.11	13.00
A104	4070	4350	C6431	2.50413.00	0.00	30.00	2.50	0.11	18.00
A104	4630	5000	C6432	12.00342.00	0.00	27.00	2.50	0.16	59.00
A104	8050	8300	C6433	5.00528.00	0.00	26.00	2.50	0.12	20.00
A104	8650	8970	C6434	2.50496.00	0.00	39.00	2.50	0.14	16.00
A104	8970	9200	C6435	2.50404.00	0.08	73.00	2.50	0.14	19.00
A104	9200	9400	C6436	2.50556.00	0.06	130.00	2.50	0.16	22.00
A104	9400	9600	C6437	2.50657.00	0.00	94.00	2.50	0.17	18.00
A104	9600	9800	C6438	2.50566.00	0.00	61.00	2.50	0.17	18.00
A104	9800	10000	C6439	2.50609.00	0.00	58.00	2.50	0.16	18.00
A104	10000	10300	C6440	2.50529.00	0.00	59.00	2.50	0.16	18.00
A104	10300	10500	C6441	7.00475.00	0.00	63.00	2.50	0.16	18.00
A104	10500	10700	C6442	2.50521.00	0.01	58.00	2.50	0.14	16.00
A104	11330	11530	C6443	2.50505.00	0.02	26.00	2.50	0.15	11.00
A104	11530	11700	C6444	10.00523.00	0.00	25.00	2.50	0.15	7.00
A104	11700	11870	C6445	2.50532.00	0.01	43.00	2.50	0.15	6.00
A104	11870	12100	C6446	2.50444.00	0.01	40.00	2.50	0.14	6.00
A104	12100	12300	C6447	2.50335.00	0.02	68.00	2.50	0.15	5.00
A104	12300	12500	C6448	2.50376.00	0.01	52.00	2.50	0.15	7.00
A104	12500	12700	C6449	6.00312.00	0.02	41.00	2.50	0.15	7.00
A104	12700	12900	C6450	9.00367.00	0.01	34.00	2.50	0.16	7.00
A104	12900	13055	C6451	8.00519.00	0.00	48.00	2.50	0.16	7.00
A104	13055	13199	C6452	2.50423.00	0.00	75.00	2.50	0.16	7.00
A104	13199	13400	C6453	6.00445.00	0.00	56.00	2.50	0.15	6.00
A104	13400	13670	C6454	2.50467.00	0.00	44.00	2.50	0.15	6.00
A104	13670	13900	C6455	5.00579.00	0.00	38.00	2.50	0.13	5.00
A104	13900	14110	C6456	2.50520.00	0.00	34.00	2.50	0.11	6.00
A104	14110	14300	C6457	2.50304.00	0.01	51.00	2.50	0.12	9.00

A104	14800	15000	C6458	2.50124.00	0.17	43.00	2.50	0.12	10.00
A104	15000	15200	C6459	2.50155.00	0.20	63.00	2.50	0.14	9.00
A104	15200	15430	C6460	2.50153.00	0.18	46.00	2.50	0.12	9.00
A104	15430	15600	C6461	2.50108.00	0.20	28.00	2.50	0.13	7.00
A104	15600	15800	C6462	2.50136.00	0.14	38.00	2.50	0.11	9.00
A104	15800	16000	C6463	2.50169.00	0.11	31.00	2.50	0.11	8.00
A104	16000	16150	C6464	2.50312.00	0.03	33.00	2.50	0.12	8.00
A104	16150	16350	C6465	2.50405.00	0.03	31.00	2.50	0.12	8.00
A104	16350	16550	C6466	2.50194.00	0.15	49.00	7.00	0.13	9.00
A104	16550	16695	C6467	2.50225.00	0.07	39.00	2.50	0.11	10.00
A104	16695	16900	C6468	2.50232.00	0.17	87.00	2.50	0.14	10.00
A104	16900	17100	C6469	2.50345.00	0.09	51.00	2.50	0.13	9.00
A104	17100	17300	C6470	2.50261.00	0.11	31.00	2.50	0.12	9.00
A104	17300	17500	C6471	2.50235.00	0.14	44.00	2.50	0.12	9.00
A104	17500	17700	C6472	8.00214.00	0.14	41.00	2.50	0.13	11.00
A104	17700	17900	C6473	2.50339.00	0.01	146.00	2.50	0.17	41.00
A104	17900	18100	C6474	2.50524.00	0.02	133.00	2.50	0.17	48.00
A104	18100	18300	C6475	2.50477.00	0.04	99.00	2.50	0.17	43.00
A104	18300	18500	C6476	2.50725.00	0.02	69.00	2.50	0.21	46.00
A104	18500	18700	C6477	2.50449.00	0.02	160.00	2.50	0.15	41.00
A104	19100	19300	C6478	2.50239.00	0.12	153.00	2.50	0.18	16.00
A104	19380	19610	C6479	2.50263.00	0.04	127.00	2.50	0.22	15.00
A104	19610	19800	C6480	2.50238.00	0.14	205.00	2.50	0.15	37.00
A104	21200	21400	C6481	2.50117.00	0.15	129.00	2.50	0.16	31.00
A104	21400	21600	C6482	2.50150.00	0.15	120.00	2.50	0.16	29.00
A104	22200	22400	C6483	2.50218.00	0.14	183.00	2.50	0.17	35.00
R									
A501	1830	2040	A27411	4.00348.00	0.10	49.00	179.00	78.00	15.00
A501	2040	2350	A27412	4.00115.00	0.10	6.00	85.00	89.00	12.00
A501	2350	2650	A27413	3.00 88.00	0.10	8.00	79.00	28.00	10.00
A501	2650	2960	A27414	3.00 73.00	0.10	5.00	82.00	27.00	12.00
A501	2960	3260	A27415	3.00 63.00	0.10	4.00	79.00	27.00	10.00
A501	3260	3570	A27416	3.00104.00	0.10	13.00	110.00	24.00	11.00
A501	3570	3880	A27417	5.00118.00	0.10	21.00	108.00	31.00	11.00
A501	3880	4180	A27418	3.00178.00	0.30	15.00	126.00	37.00	16.00
A501	4180	4490	A27419	3.00 88.00	0.10	10.00	90.00	34.00	17.00
A501	4490	4790	A27420	2.00234.00	0.30	14.00	189.00	33.00	16.00
A501	4790	5090	A27421	4.00145.00	0.80	15.00	552.00	42.00	15.00
A501	5090	5400	A27422	4.00155.00	0.70	16.00	478.00	44.00	15.00

A501	5400	5700	A27423	4.00171.00	0.80	22.00541.00	34.00	14.00
A501	5700	6010	A27424	4.00240.00	0.60	14.00474.00	43.00	14.00
A501	6010	6310	A27425	3.00373.00	0.60	24.00490.00	45.00	13.00
A501	6310	6620	A27426	5.00181.00	0.80	17.00666.00	47.00	13.00
A501	6620	6920	A27427	6.00136.00	1.00	21.00545.00	37.00	14.00
A501	6920	7230	A27428	15.00890.00	1.60	20.001206.0	47.00	18.00
A501	7230	7530	A27429	11.00362.00	1.20	16.00932.00	36.00	15.00
A501	7530	7840	A27430	11.00269.00	1.00	16.00534.00	33.00	15.00
A501	7840	8140	A27431	7.00282.00	0.60	14.00379.00	43.00	22.00
A501	8140	8450	A27432	8.00363.00	0.70	9.00350.00	50.00	22.00
A501	8450	8750	A27433	11.00215.00	0.60	15.00192.00	29.00	17.00
A501	8750	9060	A27434	8.00242.00	0.40	14.00190.00	46.00	19.00
A501	9060	9360	A27435	6.00429.00	0.30	35.00224.00	99.00	23.00
A501	9360	9670	A27436	7.00365.00	0.30	56.00202.00	82.00	22.00
A501	9670	9970	A27437	17.00286.00	0.40	80.00176.00	186.00	23.00
A501	9970	10280	A27438	7.00181.00	0.90	39.00660.00	79.00	17.00
A501	10280	10580	A27439	7.00133.00	0.30	24.00101.00	49.00	25.00
A501	10580	10890	A27440	8.00157.00	0.50	38.00144.00	53.00	27.00
A501	10890	11190	A27441	7.00328.00	0.50	235.00150.00	38.00	27.00
A501	11190	11490	A27442	8.00 92.00	0.50	30.00123.00	44.00	27.00
A501	11490	11800	A27443	8.00116.00	0.40	24.00144.00	44.00	26.00
A501	11800	12100	A27444	10.00104.00	0.40	22.00130.00	34.00	25.00
A501	12100	12400	A27445	2.00 94.00	4.60	15.00112.00	34.00	21.00
A501	12400	12710	A27446	2.00119.00	0.50	24.00121.00	36.00	24.00
A501	12710	13010	A27447	3.00 98.00	0.40	12.00105.00	21.00	16.00
A501	13010	13320	A27448	5.00 69.00	0.40	19.00 83.00	28.00	20.00
A501	13320	13620	A27449	3.00 82.00	0.60	209.00296.00	52.00	31.00
A501	13620	13930	A27450	4.00103.00	0.40	65.00180.00	26.00	24.00
A501	13930	14230	A27451	2.00 96.00	0.40	41.00139.00	23.00	21.00
A501	14230	14540	A27452	40.00141.00	0.50	94.00245.00	54.00	29.00
A501	14540	14840	A27453	4.00116.00	0.40	64.00186.00	183.00	29.00
A501	14840	15150	A27454	0.50116.00	0.30	37.00152.00	48.00	31.00
A501	15150	15450	A27455	1.00 98.00	0.40	48.00164.00	33.00	30.00
A501	15450	15760	A27456	3.00139.00	0.30	22.00103.00	45.00	24.00
A501	15760	16060	A27457	0.50103.00	0.30	19.00 93.00	25.00	22.00
A501	16060	16370	A27458	1.00 79.00	0.30	27.00 97.00	25.00	18.00
A501	16370	16670	A27459	2.00133.00	0.30	14.00102.00	39.00	32.00
A501	16670	16980	A27460	0.50102.00	0.20	14.00 89.00	23.00	18.00
A501	16980	17280	A27461	1.00111.00	0.40	15.00105.00	55.00	28.00

A501	17280	17590	A27462	244.00	0.40	69.00	203.00	44.00	26.00	
A501	17590	17890	A27463	0.50	221.00	0.40	19.00	117.00	67.00	31.00
A501	17890	18190	A27464	2.00	175.00	0.30	25.00	109.00	60.00	28.00
A501	18190	18500	A27465	1.00	363.00	0.40	20.00	111.00	59.00	28.00
A501	18500	18800	A27466	0.50	120.00	0.30	8.00	122.00	111.00	37.00
A501	18800	19110	A27467	0.50	175.00	0.30	4.00	114.00	95.00	29.00
A501	19110	19410	A27468	2.00	324.00	0.30	14.00	129.00	51.00	28.00
A501	19410	19720	A27469	0.50	174.00	0.40	11.00	135.00	62.00	28.00
A501	19720	20020	A27470	1.00	165.00	0.30	43.00	128.00	76.00	33.00
A501	20020	20330	A27471	12.00	116.00	0.30	12.00	151.00	83.00	26.00
A501	20330	20630	A27472	1.00	182.00	0.30	6.00	114.00	84.00	26.00
A501	20630	20940	A27473	2.00	182.00	0.30	9.00	119.00	100.00	34.00
A501	20940	21240	A27474	1.00	145.00	0.10	8.00	92.00	92.00	38.00
A501	21240	21550	A27475	1.00	240.00	0.20	13.00	121.00	100.00	30.00
A501	21550	21850	A27476	1.00	203.00	0.10	28.00	118.00	97.00	30.00
A501	21850	22160	A27477	3.00	189.00	0.20	8.00	113.00	105.00	35.00
A501	22160	22460	A27478	2.00	232.00	0.20	12.00	139.00	87.00	29.00

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A502	1830	2040	A27411	1.09	10.00	86.00	0.40	1.00	1.68	0.05
A502	2040	2350	A27412	0.94	10.00	72.00	0.40	1.00	1.55	0.05
A502	2350	2650	A27413	0.42	63.00	67.00	0.30	1.00	0.38	0.05
A502	2650	2960	A27414	0.41	44.00	34.00	0.40	1.00	1.27	0.05
A502	2960	3260	A27415	0.30	49.00	28.00	0.40	1.00	3.14	0.05
A502	3260	3570	A27416	0.34	50.00	72.00	0.40	1.00	4.01	0.05
A502	3570	3880	A27417	0.30	55.00	72.00	0.40	1.00	4.79	0.05
A502	3880	4180	A27418	0.23	77.00	38.00	0.40	1.00	5.33	0.05
A502	4180	4490	A27419	0.33	76.00	46.00	0.50	1.00	6.12	0.05
A502	4490	4790	A27420	0.27	76.00	39.00	0.60	1.00	4.86	0.70
A502	4790	5090	A27421	0.40	79.00	32.00	0.50	3.00	2.25	5.50
A502	5090	5400	A27422	0.50	69.00	35.00	0.50	1.00	2.41	4.70
A502	5400	5700	A27423	0.35	62.00	37.00	0.40	1.00	2.21	4.60
A502	5700	6010	A27424	0.46	54.00	39.00	0.40	1.00	1.86	3.30
A502	6010	6310	A27425	0.36	60.00	39.00	0.40	1.00	1.81	3.10
A502	6310	6620	A27426	0.31	93.00	36.00	0.50	1.00	2.98	6.00
A502	6620	6920	A27427	0.28	85.00	36.00	0.50	4.00	3.76	4.80
A502	6920	7230	A27428	0.24	85.00	26.00	0.40	5.00	2.19	7.70
A502	7230	7530	A27429	0.21	92.00	26.00	0.40	1.00	1.61	8.00
A502	7530	7840	A27430	0.25	89.00	29.00	0.40	1.00	2.82	3.60
A502	7840	8140	A27431	0.37	76.00	31.00	0.40	1.00	3.57	1.70

A502	8140	8450	A27432	0.41	91.00	33.00	0.40	4.00	4.01	1.20
A502	8450	8750	A27433	0.34	54.00	30.00	0.40	2.00	5.07	0.70
A502	8750	9060	A27434	0.36	55.00	28.00	0.40	6.00	3.19	0.60
A502	9060	9360	A27435	1.07	51.00	46.00	0.50	6.00	3.33	0.20
A502	9360	9670	A27436	1.36	44.00	64.00	0.50	2.00	4.98	0.10
A502	9670	9970	A27437	1.86	37.00	100.00	0.60	2.00	5.18	0.30
A502	9970	10280	A27438	0.87	70.00	49.00	0.60	1.00	2.86	6.00
A502	10280	10580	A27439	1.80	31.00	72.00	0.60	1.00	5.83	0.05
A502	10580	10890	A27440	1.59	38.00	68.00	0.50	1.00	5.32	0.70
A502	10890	11190	A27441	1.77	32.00	69.00	0.40	1.00	4.33	0.40
A502	11190	11490	A27442	2.10	32.00	63.00	0.40	1.00	2.79	0.40
A502	11490	11800	A27443	0.95	32.00	45.00	0.40	1.00	6.20	0.20
A502	11800	12100	A27444	0.90	41.00	40.00	0.40	1.00	5.05	0.50
A502	12100	12400	A27445	0.87	29.00	50.00	0.40	3.00	5.02	2.10
A502	12400	12710	A27446	0.82	37.00	42.00	0.40	1.00	4.53	0.30
A502	12710	13010	A27447	0.58	69.00	47.00	0.40	1.00	6.71	0.40
A502	13010	13320	A27448	0.88	50.00	52.00	0.50	3.00	7.13	0.70
A502	13320	13620	A27449	0.88	110.00	37.00	0.50	7.00	5.23	7.00
A502	13620	13930	A27450	1.05	162.00	49.00	0.50	5.00	5.24	1.90
A502	13930	14230	A27451	0.66	64.00	49.00	0.40	5.00	6.68	1.00
A502	14230	14540	A27452	1.06	68.00	32.00	0.40	1.00	3.81	1.40
A502	14540	14840	A27453	1.74	39.00	41.00	0.50	8.00	4.19	1.00
A502	14840	15150	A27454	1.10	31.00	29.00	0.40	3.00	3.19	0.30
A502	15150	15450	A27455	0.85	37.00	31.00	0.40	3.00	3.58	0.70
A502	15450	15760	A27456	1.24	23.00	47.00	0.60	2.00	4.26	0.05
A502	15760	16060	A27457	0.80	27.00	39.00	0.40	1.00	4.52	0.05
A502	16060	16370	A27458	0.55	82.00	44.00	0.40	1.00	6.73	0.05
A502	16370	16670	A27459	1.23	17.00	57.00	0.50	2.00	4.25	0.05
A502	16670	16980	A27460	1.31	19.00	68.00	0.50	1.00	4.57	0.05
A502	16980	17280	A27461	1.07	111.00	46.00	0.50	1.00	5.30	0.05
A502	17280	17590	A27462	1.35	36.00	87.00	0.50	1.00	4.74	0.10
A502	17590	17890	A27463	1.67	68.00	74.00	0.50	1.00	3.82	0.20
A502	17890	18190	A27464	1.38	91.00	91.00	0.50	1.00	3.93	0.05
A502	18190	18500	A27465	1.31	81.00	94.00	0.50	2.00	4.19	0.10
A502	18500	18800	A27466	2.89	88.00	73.00	0.60	1.00	3.58	0.10
A502	18800	19110	A27467	2.65	41.00	70.00	0.60	1.00	5.82	0.05
A502	19110	19410	A27468	2.55	47.00	124.00	0.60	2.00	3.78	0.20
A502	19410	19720	A27469	1.95	79.00	100.00	0.50	3.00	4.05	0.20
A502	19720	20020	A27470	1.86	75.00	87.00	0.50	1.00	4.05	0.30

A502	20020	20330	A27471	1.72	43.00	126.00	0.50	1.00	3.48	0.30
A502	20330	20630	A27472	2.07	26.00	150.00	0.50	1.00	3.37	0.10
A502	20630	20940	A27473	2.10	40.00	194.00	0.50	1.00	3.08	0.10
A502	20940	21240	A27474	2.11	32.00	129.00	0.40	1.00	3.86	0.05
A502	21240	21550	A27475	2.47	18.00	271.00	0.50	3.00	3.37	0.30
A502	21550	21850	A27476	2.46	21.00	319.00	0.50	4.00	3.21	0.05
A502	21850	22160	A27477	2.80	24.00	170.00	0.50	1.00	4.14	0.05
A502	22160	22460	A27478	2.22	16.00	168.00	0.50	1.00	3.87	0.05
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A503	1830	2040	A27411	4.25	0.12	7.00	0.82541.00	18.00	0.04	
A503	2040	2350	A27412	3.14	0.14	7.00	0.71436.00	5.00	0.03	
A503	2350	2650	A27413	3.73	0.21	6.00	0.23519.00	3.00	0.01	
A503	2650	2960	A27414	4.35	0.21	7.00	0.16774.00	4.00	0.01	
A503	2960	3260	A27415	3.81	0.19	6.00	0.12711.00	4.00	0.02	
A503	3260	3570	A27416	3.49	0.20	5.00	0.16991.00	6.00	0.02	
A503	3570	3880	A27417	4.00	0.19	4.00	0.131116.0	6.00	0.02	
A503	3880	4180	A27418	5.99	0.16	5.00	0.13943.00	10.00	0.01	
A503	4180	4490	A27419	4.72	0.24	6.00	0.56837.00	5.00	0.02	
A503	4490	4790	A27420	4.50	0.17	7.00	0.37566.00	11.00	0.01	
A503	4790	5090	A27421	5.04	0.16	6.00	0.51390.00	15.00	0.02	
A503	5090	5400	A27422	4.74	0.16	6.00	0.49470.00	14.00	0.02	
A503	5400	5700	A27423	4.48	0.12	5.00	0.68420.00	13.00	0.02	
A503	5700	6010	A27424	4.82	0.15	5.00	0.61426.00	14.00	0.02	
A503	6010	6310	A27425	5.58	0.15	5.00	0.46502.00	20.00	0.02	
A503	6310	6620	A27426	5.55	0.17	5.00	0.60417.00	20.00	0.02	
A503	6620	6920	A27427	4.95	0.14	6.00	0.54477.00	19.00	0.02	
A503	6920	7230	A27428	7.12	0.14	5.00	0.76486.00	24.00	0.02	
A503	7230	7530	A27429	5.85	0.13	5.00	0.57325.00	21.00	0.01	
A503	7530	7840	A27430	5.38	0.14	5.00	0.66465.00	18.00	0.01	
A503	7840	8140	A27431	6.14	0.15	6.00	0.60495.00	22.00	0.01	
A503	8140	8450	A27432	7.42	0.22	5.00	0.45667.00	17.00	0.02	
A503	8450	8750	A27433	5.12	0.16	6.00	0.48649.00	7.00	0.02	
A503	8750	9060	A27434	6.60	0.20	6.00	0.72703.00	13.00	0.02	
A503	9060	9360	A27435	7.92	0.33	7.00	0.69902.00	16.00	0.04	
A503	9360	9670	A27436	6.63	0.37	6.00	0.90867.00	11.00	0.06	
A503	9670	9970	A27437	6.66	0.73	7.00	0.93926.00	14.00	0.11	
A503	9970	10280	A27438	5.01	0.35	7.00	0.67507.00	18.00	0.04	
A503	10280	10580	A27439	5.42	0.39	5.00	1.36916.00	6.00	0.04	
A503	10580	10890	A27440	5.29	0.35	4.00	1.04787.00	3.00	0.04	

A503	10890	11190	A27441	5.62	0.29	4.00	1.05702.00	5.00	0.04
A503	11190	11490	A27442	5.91	0.21	4.00	1.31713.00	3.00	0.05
A503	11490	11800	A27443	6.32	0.32	4.00	0.49924.00	7.00	0.05
A503	11800	12100	A27444	6.26	0.29	4.00	0.52851.00	4.00	0.05
A503	12100	12400	A27445	4.84	0.27	5.00	0.50838.00	5.00	0.06
A503	12400	12710	A27446	5.75	0.28	6.00	0.46845.00	6.00	0.05
A503	12710	13010	A27447	4.49	0.23	7.00	0.281141.0	3.00	0.07
A503	13010	13320	A27448	5.44	0.28	8.00	0.481242.0	8.00	0.06
A503	13320	13620	A27449	7.13	0.30	8.00	0.50931.00	8.00	0.08
A503	13620	13930	A27450	5.19	0.23	9.00	0.66890.00	6.00	0.04
A503	13930	14230	A27451	5.48	0.22	7.00	0.451082.0	6.00	0.04
A503	14230	14540	A27452	5.94	0.19	6.00	0.94763.00	7.00	0.06
A503	14540	14840	A27453	6.01	0.45	7.00	1.07954.00	9.00	0.15
A503	14840	15150	A27454	7.14	0.19	5.00	0.84757.00	8.00	0.05
A503	15150	15450	A27455	7.02	0.15	6.00	0.74748.00	6.00	0.04
A503	15450	15760	A27456	5.69	0.39	8.00	0.82771.00	7.00	0.05
A503	15760	16060	A27457	6.15	0.19	7.00	0.47715.00	5.00	0.07
A503	16060	16370	A27458	5.09	0.22	6.00	0.24922.00	7.00	0.07
A503	16370	16670	A27459	7.22	0.36	7.00	0.78818.00	5.00	0.08
A503	16670	16980	A27460	5.05	0.21	8.00	0.86968.00	5.00	0.08
A503	16980	17280	A27461	7.73	0.46	7.00	0.481015.0	7.00	0.09
A503	17280	17590	A27462	6.01	0.35	7.00	0.911035.0	7.00	0.07
A503	17590	17890	A27463	6.43	0.25	7.00	1.22955.00	7.00	0.04
A503	17890	18190	A27464	6.05	0.32	8.00	1.17971.00	5.00	0.04
A503	18190	18500	A27465	5.90	0.45	7.00	1.421055.0	7.00	0.07
A503	18500	18800	A27466	6.41	0.36	7.00	3.421263.0	8.00	0.04
A503	18800	19110	A27467	5.66	0.26	7.00	1.571171.0	8.00	0.06
A503	19110	19410	A27468	5.92	0.32	9.00	1.581013.0	10.00	0.09
A503	19410	19720	A27469	5.89	0.27	8.00	1.39917.00	9.00	0.07
A503	19720	20020	A27470	6.00	0.20	7.00	1.53914.00	9.00	0.06
A503	20020	20330	A27471	4.61	0.33	8.00	1.42691.00	9.00	0.14
A503	20330	20630	A27472	4.89	0.23	8.00	1.45723.00	7.00	0.15
A503	20630	20940	A27473	5.29	0.30	9.00	1.66772.00	5.00	0.18
A503	20940	21240	A27474	5.50	0.24	8.00	1.73807.00	3.00	0.15
A503	21240	21550	A27475	5.52	0.43	8.00	1.95850.00	3.00	0.20
A503	21550	21850	A27476	5.33	0.43	8.00	1.94806.00	4.00	0.27
A503	21850	22160	A27477	5.44	0.31	8.00	2.27881.00	4.00	0.21
A503	22160	22460	A27478	5.16	0.33	7.00	1.64758.00	4.00	0.21

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A504	1830	2040	A27411	2.50	69.00	0.08	73.00	580.00	0.10	229.00
A504	2040	2350	A27412	2.50	67.00	0.07	67.00	196.00	0.11	34.00
A504	2350	2650	A27413	2.50	91.00	0.00	19.00	125.00	0.09	15.00
A504	2650	2960	A27414	2.50	60.00	0.00	15.00	60.00	0.13	12.00
A504	2960	3260	A27415	2.50	153.00	0.00	15.00	62.00	0.12	10.00
A504	3260	3570	A27416	2.50	201.00	0.01	19.00	186.00	0.11	26.00
A504	3570	3880	A27417	2.50	253.00	0.00	16.00	169.00	0.10	34.00
A504	3880	4180	A27418	6.00	251.00	0.00	16.00	227.00	0.11	54.00
A504	4180	4490	A27419	11.00	295.00	0.00	31.00	46.00	0.12	25.00
A504	4490	4790	A27420	12.00	310.00	0.00	22.00	296.00	0.13	87.00
A504	4790	5090	A27421	12.00	165.00	0.00	24.00	108.00	0.14	73.00
A504	5090	5400	A27422	12.00	164.00	0.00	30.00	147.00	0.14	67.00
A504	5400	5700	A27423	11.00	191.00	0.00	24.00	160.00	0.12	72.00
A504	5700	6010	A27424	12.00	148.00	0.02	30.00	359.00	0.13	108.00
A504	6010	6310	A27425	8.00	146.00	0.00	25.00	569.00	0.15	155.00
A504	6310	6620	A27426	13.00	284.00	0.00	23.00	184.00	0.13	91.00
A504	6620	6920	A27427	20.00	239.00	0.00	22.00	76.00	0.14	74.00
A504	6920	7230	A27428	26.00	156.00	0.00	21.00	543.00	0.12	189.00
A504	7230	7530	A27429	25.00	133.00	0.00	16.00	249.00	0.12	114.00
A504	7530	7840	A27430	25.00	208.00	0.00	16.00	415.00	0.13	105.00
A504	7840	8140	A27431	21.00	262.00	0.00	21.00	330.00	0.15	195.00
A504	8140	8450	A27432	18.00	241.00	0.00	22.00	372.00	0.12	156.00
A504	8450	8750	A27433	18.00	320.00	0.00	20.00	206.00	0.11	50.00
A504	8750	9060	A27434	17.00	219.00	0.00	23.00	261.00	0.12	95.00
A504	9060	9360	A27435	16.00	173.00	0.05	63.00	435.00	0.13	160.00
A504	9360	9670	A27436	16.00	314.00	0.03	72.00	546.00	0.12	124.00
A504	9670	9970	A27437	18.00	342.00	0.02	73.00	270.00	0.13	80.00
A504	9970	10280	A27438	20.00	218.00	0.00	53.00	175.00	0.15	72.00
A504	10280	10580	A27439	8.00	402.00	0.00	60.00	21.00	0.13	28.00
A504	10580	10890	A27440	8.00	416.00	0.01	57.00	49.00	0.12	33.00
A504	10890	11190	A27441	8.00	313.00	0.02	69.00	32.00	0.11	28.00
A504	11190	11490	A27442	2.50	223.00	0.01	106.00	26.00	0.09	24.00
A504	11490	11800	A27443	5.00	388.00	0.02	40.00	35.00	0.15	24.00
A504	11800	12100	A27444	10.00	368.00	0.01	41.00	43.00	0.15	20.00
A504	12100	12400	A27445	9.00	329.00	0.01	43.00	24.00	0.14	16.00
A504	12400	12710	A27446	11.00	275.00	0.01	43.00	26.00	0.16	17.00
A504	12710	13010	A27447	7.00	308.00	0.01	34.00	16.00	0.14	14.00
A504	13010	13320	A27448	10.00	448.00	0.00	48.00	8.00	0.15	15.00
A504	13320	13620	A27449	11.00	332.00	0.01	44.00	12.00	0.17	22.00

A504	13620	13930	A27450	12.00385.00	0.00	42.00	24.00	0.17	20.00
A504	13930	14230	A27451	14.00455.00	0.00	31.00	11.00	0.14	16.00
A504	14230	14540	A27452	6.00157.00	0.07	47.00	10.00	0.12	17.00
A504	14540	14840	A27453	2.50173.00	0.16	73.00	13.00	0.14	24.00
A504	14840	15150	A27454	7.00113.00	0.13	48.00	29.00	0.13	22.00
A504	15150	15450	A27455	2.50138.00	0.09	37.00	13.00	0.14	23.00
A504	15450	15760	A27456	6.00141.00	0.14	44.00	21.00	0.13	18.00
A504	15760	16060	A27457	2.50163.00	0.11	40.00	17.00	0.13	15.00
A504	16060	16370	A27458	13.00350.00	0.03	35.00	16.00	0.11	13.00
A504	16370	16670	A27459	8.00192.00	0.11	46.00	9.00	0.15	22.00
A504	16670	16980	A27460	10.00190.00	0.12	69.00	11.00	0.13	14.00
A504	16980	17280	A27461	11.00273.00	0.10	48.00	12.00	0.14	25.00
A504	17280	17590	A27462	17.00214.00	0.12	65.00	22.00	0.15	30.00
A504	17590	17890	A27463	8.00228.00	0.06	72.00	14.00	0.15	36.00
A504	17890	18190	A27464	7.00314.00	0.06	73.00	52.00	0.14	39.00
A504	18190	18500	A27465	8.00416.00	0.05	74.00	87.00	0.14	43.00
A504	18500	18800	A27466	5.00396.00	0.03	170.00	52.00	0.15	52.00
A504	18800	19110	A27467	2.50296.00	0.10	123.00	30.00	0.16	36.00
A504	19110	19410	A27468	6.00277.00	0.14	148.00	36.00	0.18	25.00
A504	19410	19720	A27469	8.00262.00	0.09	111.00	59.00	0.16	35.00
A504	19720	20020	A27470	10.00214.00	0.12	116.00	34.00	0.15	40.00
A504	20020	20330	A27471	12.00394.00	0.13	98.00	28.00	0.15	40.00
A504	20330	20630	A27472	2.50481.00	0.19	118.00	51.00	0.15	40.00
A504	20630	20940	A27473	8.00276.00	0.19	131.00	79.00	0.14	45.00
A504	20940	21240	A27474	9.00191.00	0.20	143.00	36.00	0.14	39.00
A504	21240	21550	A27475	17.00210.00	0.22	150.00	76.00	0.15	42.00
A504	21550	21850	A27476	11.00215.00	0.20	151.00	88.00	0.15	40.00
A504	21850	22160	A27477	13.00254.00	0.21	177.00	93.00	0.15	41.00
A504	22160	22460	A27478	10.00337.00	0.19	137.00	206.00	0.14	45.00

R

APPENDIX II

Core Sample Results

Philip Lake Property

Winter 1992 Program

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture:
Area:
Remarks:

V289
PHILIP LAKE 9304

Geol: L WARNER
Lab Project No.: D2319

Date Received: FEB 21, 1992
Date Completed: MAR 3, 1992

Page 1 of 3
Attn: L WARNER
G LUSTIG
E KIMURA

Au - 10.0 g sample digested with Aqua Regia and determined by Graphite Furnace A.A. (D.L 1 PPB)
ICP - 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg C for 2 hours.
N.B. The major oxide elements, Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Cd ppm	Ni ppm	Co ppm	Mn ppm	Bi ppm	Cr ppm	V ppm	Ba ppm	W ppm	Be ppm	La ppm	Sr ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
C6376	1	1.3	13	123	12	986	50	6	7.6	68	12	488	4	90	101	62	<5	0.7	8	605	<0.01	1.04	4.74	5.25	0.66	0.22	0.02	0.19
C6377	4	0.1	<1	16	7	154	699	<5	0.9	10	5	396	<2	72	13	89	<5	0.5	8	256	<0.01	0.63	2.12	2.53	0.45	0.24	0.04	0.08
C6378	1	<0.1	<1	9	11	88	43	<5	0.3	4	4	450	<2	50	7	114	<5	0.5	14	274	<0.01	0.43	2.09	2.26	0.45	0.23	0.03	0.08
C6379	<1	0.3	6	71	13	213	80	13	1.7	36	15	654	<2	52	23	71	<5	0.5	9	707	<0.01	0.40	8.23	3.72	0.35	0.20	0.02	0.12
C6380	1	0.3	<1	114	4	81	29	5	0.4	29	28	905	2	52	55	77	<5	0.5	6	480	<0.01	1.44	4.26	5.16	1.70	0.29	0.02	0.13
C6381	1	0.4	<1	127	1	85	25	<5	0.3	22	20	869	<2	51	80	63	<5	0.6	6	547	<0.01	2.01	5.47	4.56	1.47	0.21	0.02	0.14
C6382	1	0.1	<1	115	3	81	40	<5	0.2	15	18	927	2	27	56	75	<5	0.5	5	663	<0.01	1.24	6.95	4.35	1.01	0.29	0.03	0.13
C6383	3	0.2	<1	147	4	70	12	<5	0.3	17	17	904	<2	42	68	49	<5	0.6	5	656	<0.01	2.04	6.47	4.20	1.81	0.22	0.02	0.13
C6384	1	0.2	<1	17	9	116	28	<5	1.4	10	7	435	3	40	13	50	<5	0.4	7	214	<0.01	0.56	2.22	2.51	0.64	0.11	0.05	0.08
C6384*	2	0.2	<1	16	8	111	31	<5	1.4	10	7	434	<2	42	13	50	<5	0.4	7	218	<0.01	0.56	2.21	2.52	0.64	0.11	0.05	0.08
C6385	<1	0.2	6	75	10	129	41	9	0.9	33	24	999	<2	56	50	85	<5	0.6	9	667	<0.01	1.20	6.76	5.27	2.54	0.18	0.02	0.20
C6386	<1	0.2	3	120	10	114	22	<5	0.5	33	27	1103	<2	62	89	90	<5	0.6	9	536	<0.01	2.19	6.40	5.39	2.90	0.15	0.02	0.21
C6387	<1	0.2	7	91	11	114	28	13	0.7	32	29	961	<2	63	80	82	<5	0.6	8	584	0.01	1.98	6.89	5.49	2.10	0.25	0.02	0.19
C6388	<1	0.1	5	84	9	93	15	9	0.4	25	27	959	<2	80	139	58	<5	0.5	9	265	0.15	2.70	4.45	5.55	2.58	0.19	0.02	0.17
C6389	1	0.1	5	137	11	95	22	8	0.5	20	21	1051	2	86	178	32	<5	0.6	8	301	0.14	1.74	6.54	5.53	2.15	0.08	0.03	0.17
C6390	<1	0.1	5	94	12	73	16	6	0.5	22	25	1056	<2	76	155	65	<5	0.6	7	350	0.15	2.15	7.84	5.17	2.23	0.09	0.03	0.13
C6391	<1	0.3	5	151	11	84	11	<5	0.4	21	25	1023	<2	61	173	36	<5	0.7	8	270	0.15	2.37	6.44	5.86	1.85	0.09	0.03	0.16
C6392	1	0.1	2	111	11	81	22	<5	0.4	20	26	1024	<2	40	101	38	<5	0.8	6	292	0.05	2.33	4.79	5.89	1.39	0.19	0.02	0.15
C6393	1	0.2	4	142	8	68	12	5	0.4	19	21	843	<2	44	147	87	<5	0.6	6	340	0.13	2.23	4.82	5.28	2.11	0.08	0.04	0.16
C6393*	1	0.2	6	149	9	75	14	<5	0.4	19	21	850	<2	45	150	88	<5	0.6	7	350	0.13	2.27	4.90	5.32	2.15	0.08	0.04	0.16
C6394	1	0.3	2	110	9	99	6	<5	0.4	22	23	829	<2	46	152	82	<5	0.7	8	333	0.13	2.23	4.36	5.49	1.66	0.09	0.05	0.16
C6395	1	0.2	3	188	5	81	7	<5	0.2	21	20	1062	<2	44	127	49	<5	0.6	7	293	0.11	2.54	6.16	5.34	1.92	0.15	0.03	0.15
C6396	2	0.2	4	141	7	72	9	<5	0.3	23	30	1079	<2	48	132	17	<5	0.6	7	319	0.11	2.15	5.73	5.05	2.18	0.07	0.02	0.14
C6397	<1	0.2	3	165	6	71	6	<5	0.4	22	23	1182	<2	55	139	21	<5	0.7	6	342	0.11	1.97	5.47	5.17	2.12	0.05	0.03	0.14
C6398	1	0.2	3	87	4	71	12	<5	0.3	22	23	1077	<2	65	106	19	<5	0.7	6	346	0.13	1.41	4.69	4.29	1.50	0.06	0.03	0.14
C6399	2	0.3	<1	177	13	82	8	<5	0.4	12	18	1045	<2	28	43	36	<5	0.5	5	293	0.01	1.28	4.36	3.99	0.79	0.25	0.02	0.21
C6400	1	0.3	<1	153	12	66	10	<5	0.4	20	19	1106	<2	50	45	91	<5	0.5	6	451	0.02	1.36	5.45	4.03	0.95	0.35	0.02	0.19
C6401	3	0.3	2	177	15	60	7	<5	0.3	11	17	1062	<2	27	35	114	<5	0.4	6	358	0.05	0.96	5.06	3.36	0.63	0.28	0.03	0.23
C6402	1	0.2	2	113	5	92	<5	<5	0.8	46	22	658	<2	126	90	150	<5	0.4	4	395	0.19	1.67	2.37	3.75	1.94	0.50	0.03	0.15
C6402*	<1	0.2	3	109	5	90	5	<5	0.8	46	21	646	3	124	88	148	<5	0.4	4	384	0.18	1.63	2.31	3.70	1.91	0.49	0.03	0.14
C6403	<1	0.2	3	173	7	38	9	<5	0.2	19	20	706	<2	58	74	318	5	0.3	4	395	0.15	1.59	4.39	3.18	1.23	0.85	0.02	0.16
C6404	<1	0.2	2	109	3	39	<5	<5	0.1	102	21	468	<2	266	54	502	<5	0.2	2	142	0.13	1.84	2.34	2.76	2.03	1.22	0.03	0.11
C6405	<1	0.2	4	160	<1	73	10	<5	0.2	33	26	788	<2	121	108	663	<5	0.3	4	213	0.22	2.42	2.46	4.61	2.30	1.80	0.05	0.17
C6406	1	0.1	2	142	15	75	36	7	0.2	18	24	948	<2	17	18	63	<5	0.4	5	246	<0.01	0.56	4.71	5.14	0.41	0.38	0.02	0.13
C6407	2	0.1	6	156	20	66	59	22	0.5	32	31	1409	<2	42	26	64	<5	0.4	5	593	<0.01	0.42	9.38	5.48	1.50	0.20	0.04	0.13
C6408	1	<0.1	4	142	18	90	69	28	0.3	35	33	1281	2	29	41	78	<5	0.5	6	604	<0.01	0.87	9.09	5.74	1.51	0.26	0.03	0.15
C6409	2	<0.1	6	141	10	82	104	<5	0.3	29	29	1188	<2	57	139	47	<5	0.6	7	347	<0.01	2.18	7.60	5.61	1.98	0.12	0.04	0.16
C6410	1	<0.1	3	82	7	90	34	<5	0.3	23	21	1010	<2	62	165	70	<5	0.6	8	410	0.02	2.35	6.63	5.05	1.95	0.13	0.03	0.16
C6411	1	0.1	4	122	14	72	55	<5	0.3	25	26	1257	<2	51	144	37	<5	0.6	8	381	0.01	2.31	7.12	5.48	2.07	0.10	0.03	0.16
STD-ET-P1	49	0.2	54	26	53	151	20	<5	0.4	34	6	594	2	115	37	169	<5	0.4	9	84	0.11	1.08	0.98	2.25	0.84	0.35	0.07	0.08

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture:
Area:
Remarks:

V289
PHILIP LAKE 9304

Geol: L WARNER
Lab Project No.: D2319

Date Received: FEB 21, 1992
Date Completed: MAR 3, 1992

Page 2 of 3
Attn: L WARNER
G. LUSTIG
E. KIMURA

Au - 10.0 g sample digested with Aqua Regia and determined by Graphite Furnace A.A. (D.L 1 PPB)
ICP - 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.

N.B. The major oxide elements, Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Cd ppm	Ni ppm	Co ppm	Mn ppm	Bi ppm	Cr ppm	V ppm	Ba ppm	W ppm	Be ppm	La ppm	Sr ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
C6412	1	0.1	5	122	2	74	33	<5	0.2	17	22	1165	<2	59	146	33	<5	0.6	8	202	0.07	2.50	4.81	5.44	2.29	0.04	0.03	0.16
C6413	2	0.1	4	119	8	69	76	15	0.3	22	26	1146	<2	48	135	25	<5	0.6	7	369	0.08	1.91	6.78	5.84	1.81	0.07	0.03	0.15
C6414	3	0.1	4	114	7	72	10	6	0.3	24	28	1120	<2	51	114	33	<5	0.8	6	332	0.15	1.82	6.30	4.69	1.93	0.05	0.03	0.13
C6415	2	<0.1	3	110	7	42	7	<5	0.1	11	15	888	<2	33	29	128	<5	0.5	6	414	0.02	0.87	3.71	3.41	0.37	0.33	0.01	0.09
C6416	4	0.1	2	139	11	53	10	<5	0.2	13	19	582	<2	29	51	113	<5	0.5	8	238	0.06	1.06	1.90	4.65	0.53	0.39	0.02	0.12
C6417	6	0.1	6	170	18	42	13	9	0.2	10	17	734	3	28	27	48	<5	0.4	6	438	<0.01	0.64	5.77	3.90	0.50	0.21	0.04	0.20
C6418	3	0.1	3	206	13	73	13	<5	0.2	8	15	959	2	21	36	99	<5	0.4	7	431	<0.01	1.18	4.25	3.95	1.16	0.25	0.05	0.26
C6419	2	0.1	3	234	14	78	8	7	0.3	9	17	879	3	28	51	51	<5	0.4	6	333	<0.01	1.30	4.24	4.26	1.05	0.19	0.04	0.25
C6420	3	0.1	3	188	17	65	11	7	0.2	9	15	998	<2	22	66	47	<5	0.4	6	481	<0.01	1.05	6.05	3.80	0.79	0.17	0.05	0.22
C6420*	3	0.1	4	180	17	60	11	<5	0.3	8	15	970	2	21	62	45	<5	0.4	5	470	<0.01	1.00	5.95	3.71	0.77	0.16	0.05	0.22
C6421	1	0.2	4	193	9	81	15	<5	0.2	16	18	1171	<2	36	102	42	9	0.5	9	314	<0.01	1.88	3.47	4.70	1.35	0.13	0.05	0.24
C6422	2	0.1	5	161	7	78	16	<5	<0.1	12	15	1009	<2	22	81	50	<5	0.5	7	390	<0.01	1.69	4.09	4.38	1.20	0.19	0.03	0.24
C6423	1	0.1	4	177	3	95	12	<5	<0.1	11	22	903	<2	21	109	35	<5	0.7	7	212	0.13	1.58	2.98	5.32	1.34	0.08	0.04	0.21
C6424	1	0.1	4	149	3	89	10	<5	0.1	12	23	883	<2	22	122	30	<5	0.7	7	234	0.15	1.70	3.39	5.00	1.49	0.05	0.04	0.20
C6425	2	0.1	4	147	4	80	11	<5	0.1	14	22	978	<2	44	117	81	<5	0.7	5	321	0.16	1.66	4.50	4.81	1.61	0.06	0.04	0.18
C6426	3	0.1	5	139	<1	78	11	<5	<0.1	19	21	1004	<2	60	128	24	<5	0.5	4	133	0.18	1.88	2.06	5.50	1.98	0.05	0.04	0.17
C6427	1	0.1	4	108	4	48	11	<5	0.2	36	21	967	<2	146	102	20	<5	0.5	3	371	0.14	1.41	4.72	4.22	1.81	0.04	0.03	0.13
C6428	1	0.1	4	140	3	54	13	<5	0.3	45	27	963	<2	190	107	12	<5	0.4	3	301	0.16	1.76	3.46	3.89	2.25	0.07	0.02	0.13
C6429	2	0.1	7	111	7	39	17	<5	0.2	53	30	1039	<2	123	96	14	<5	0.4	3	238	0.13	1.03	6.92	4.36	1.30	0.07	0.03	0.12
C6429*	3	0.1	7	114	8	41	20	<5	0.3	58	31	1076	<2	131	102	15	<5	0.4	4	243	0.14	1.08	7.18	4.51	1.37	0.08	0.03	0.12
C6430	1	0.2	3	53	16	71	71	<5	0.2	13	14	1138	3	26	19	19	6	0.6	7	351	<0.01	0.28	8.21	3.99	0.20	0.15	0.01	0.11
C6431	<1	0.1	2	49	11	76	79	<5	0.2	18	18	1031	<2	25	30	23	<5	0.7	6	413	<0.01	0.24	9.77	4.00	0.44	0.17	0.01	0.11
C6432	<1	0.8	11	71	18	379	67	12	3.4	59	14	447	<2	42	27	53	<5	0.6	6	342	<0.01	0.36	4.08	4.00	1.04	0.22	0.02	0.16
C6433	5	0.1	5	102	16	70	63	5	0.3	20	20	901	<2	24	26	46	<5	0.5	5	528	<0.01	0.47	10.79	4.01	0.38	0.22	0.02	0.12
C6434	8	0.3	4	75	10	76	38	<5	0.1	16	18	953	3	32	39	46	<5	0.5	5	496	<0.01	0.93	7.24	4.26	1.15	0.24	0.02	0.14
C6435	2	0.2	3	137	13	68	36	<5	0.2	19	19	956	<2	39	73	29	<5	0.7	6	404	0.08	1.08	9.54	4.44	0.88	0.20	0.02	0.14
C6436	<1	0.1	4	137	6	70	22	<5	<0.1	22	21	1090	<2	53	130	40	<5	0.7	6	556	0.06	2.04	8.23	5.15	1.55	0.15	0.03	0.16
C6437	2	0.1	3	118	6	71	21	<5	0.1	18	21	1063	<2	38	94	39	<5	0.6	5	657	<0.01	2.08	8.62	4.87	1.60	0.19	0.02	0.17
C6438	1	0.1	4	122	7	76	23	<5	0.2	18	21	927	<2	33	61	49	<5	0.5	4	566	<0.01	1.90	7.61	4.86	1.50	0.25	0.02	0.17
STD-ET-P1	83	0.2	61	29	50	152	19	<5	0.4	32	6	597	<2	131	39	195	<5	0.5	10	98	0.12	1.18	0.95	2.24	0.86	0.40	0.07	0.09
C6439	8	0.5	3	149	103	94	19	<5	0.5	18	21	987	<2	31	58	37	<5	0.5	5	609	<0.01	1.72	7.19	4.48	1.02	0.20	0.02	0.16
C6440	3	0.3	3	103	10	78	16	<5	0.2	18	22	816	2	31	59	40	<5	0.5	5	529	<0.01	1.90	6.21	4.57	1.52	0.24	0.02	0.16
C6441	2	0.3	3	109	10	78	17	7	0.2	18	21	920	3	32	63	32	<5	0.5	5	475	<0.01	1.95	6.59	4.56	1.47	0.25	0.02	0.16
C6442	4	0.4	4	105	14	70	22	<5	0.3	16	23	810	<2	27	58	36	<5	0.4	4	521	0.01	1.71	6.32	4.38	1.15	0.24	0.02	0.14
C6443	3	0.1	4	77	15	79	21	<5	0.3	11	20	1134	3	20	26	41	<5	0.4	5	505	0.02	0.70	8.14	4.64	0.31	0.28	0.02	0.15
C6444	2	0.1	4	48	13	57	18	10	0.3	7	16	1189	3	19	25	47	<5	0.4	5	523	<0.01	0.56	8.93	3.77	0.19	0.29	0.02	0.15
C6445	2	0.5	3	81	13	79	21	<5	0.7	6	17	1000	4	19	43	44	<5	0.4	5	532	0.01	0.96	6.29	3.93	0.57	0.27	0.03	0.15
C6446	4	0.4	2	72	14	68	25	<5	0.4	6	18	1064	5	20	40	26	<5	0.4	6	444	0.01	0.62	6.58	3.98	0.31	0.19	0.03	0.14
C6447	2	0.3	<1	76	11	78	14	<5	0.3	5	17	1066	3	18	68	28	<5	0.4	6	335	0.02	1.09	6.22	3.36	0.58	0.17	0.03	0.15
C6447*	3	0.3	2	80	10	78	16	<5	0.3	5	16	1111	<2	19	71	30	<5	0.4	6	353	0.02	1.16	6.42	3.47	0.60	0.17	0.03	0.15

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture:

V289

Geol:

L WARNER

Date Received:

FEB 21, 1992

Page 3 of 3

Area:

PHILIP LAKE 9304

Lab Project No.:

02319

Date Completed:

MAR 3, 1992

Attn: L WARNER

Remarks:

Au - 10.0 g sample digested with Aqua Regia and determined by Graphite Furnace A.A. (D.L 1 PPB)

ICP - 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.

N.B. The major oxide elements, Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

G. LUSTIG
E. KIMURA

SAMPLE No.	Au ppb	Ag ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Cd ppm	Ni ppm	Co ppm	Mn ppm	Bi ppm	Cr ppm	V ppm	Ba ppm	W ppm	Be ppm	La ppm	Sr ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
C6448	2	0.1	3	100	13	87	23	<5	0.3	7	19	1314	<2	20	52	35	<5	0.5	7	378	0.01	0.81	6.87	4.19	0.45	0.22	0.03	0.15
C6449	1	0.1	6	92	15	76	26	6	0.3	7	17	1508	3	18	41	22	<5	0.4	7	312	0.02	0.60	7.89	3.98	0.37	0.18	0.03	0.15
C6450	12	0.4	4	84	22	74	82	9	0.8	7	19	1286	4	19	34	24	<5	0.5	8	367	0.01	0.50	7.88	4.45	0.23	0.21	0.03	0.16
C6451	9	0.4	6	55	23	44	40	8	0.8	7	20	1395	5	19	48	30	<5	0.5	8	519	<0.01	0.80	6.42	4.77	0.46	0.23	0.03	0.16
C6452	3	0.3	5	83	28	104	31	<5	1.3	7	20	1232	5	18	75	33	<5	0.5	9	423	<0.01	1.56	6.42	4.25	0.97	0.20	0.03	0.16
C6453	8	0.2	5	28	38	74	38	6	1.6	6	20	1191	<2	18	56	28	<5	0.5	7	445	<0.01	1.02	6.52	4.62	0.60	0.20	0.03	0.15
C6454	7	0.4	2	72	314	375	77	<5	10.6	6	19	1047	4	19	44	48	<5	0.4	7	467	<0.01	1.08	6.10	4.27	0.53	0.24	0.03	0.15
C6455	1	0.4	5	86	36	113	115	5	0.9	5	16	1045	<2	18	38	48	<5	0.5	8	579	<0.01	0.97	6.67	3.92	0.48	0.25	0.02	0.13
C6456	2	0.4	2	81	56	129	35	<5	0.9	6	17	1296	<2	18	34	38	<5	0.4	5	520	<0.01	0.86	7.89	4.13	0.76	0.16	0.03	0.11
C6456*	3	0.4	3	77	59	127	34	<5	1.0	6	16	1251	<2	18	33	36	<5	0.4	5	495	<0.01	0.82	7.68	4.02	0.74	0.15	0.03	0.10
C6457	1	0.9	7	113	264	536	61	<5	5.2	9	21	1215	2	22	51	38	<5	0.5	6	304	0.01	1.40	6.32	4.02	1.50	0.14	0.02	0.12
C6458	<1	0.1	4	73	15	91	14	<5	0.5	10	22	1072	2	40	43	34	<5	0.5	5	124	0.17	1.27	4.74	4.94	1.19	0.14	0.02	0.12
C6459	<1	0.1	6	85	12	95	12	<5	0.5	9	23	1099	4	27	63	33	<5	0.5	6	155	0.20	1.58	5.06	4.85	1.46	0.12	0.03	0.14
C6460	<1	0.1	5	59	13	86	14	<5	0.4	9	20	955	3	28	46	35	<5	0.5	6	153	0.18	1.26	5.17	4.71	1.17	0.17	0.02	0.12
C6461	<1	0.1	3	76	8	83	13	<5	0.4	7	17	548	4	24	28	42	<5	0.5	6	108	0.20	1.14	2.17	3.93	1.16	0.23	0.02	0.13
C6462	<1	0.1	5	89	10	69	14	<5	0.3	8	17	717	2	29	38	39	<5	0.5	6	136	0.14	0.98	4.13	4.33	0.78	0.19	0.03	0.11
C6463	<1	<0.1	5	57	9	52	23	<5	0.2	8	15	793	<2	22	31	23	<5	0.4	6	169	0.11	0.31	6.74	4.55	0.12	0.12	0.03	0.11
C6464	2	0.1	5	64	11	81	69	<5	0.3	8	18	881	3	21	33	30	<5	0.3	6	312	0.03	0.43	6.16	4.48	0.19	0.19	0.03	0.12
C6465	2	0.2	4	98	11	70	45	<5	0.4	8	18	1003	<2	19	31	29	<5	0.4	5	405	0.03	0.68	6.60	4.37	0.46	0.19	0.03	0.12
STD-ET-P1	75	0.3	53	25	47	138	18	5	0.5	30	7	543	2	115	34	156	<5	0.5	9	80	0.10	0.98	0.88	2.04	0.79	0.32	0.06	0.08
C6466	<1	0.1	2	103	12	81	10	<5	0.3	9	16	890	<2	21	49	37	7	0.4	7	194	0.15	1.25	5.06	4.28	1.01	0.25	0.03	0.13
C6467	<1	0.1	2	95	11	81	9	<5	0.2	10	16	988	<2	32	39	29	<5	0.4	6	225	0.07	1.09	5.37	4.43	0.86	0.22	0.02	0.11
C6468	<1	0.2	1	108	7	94	15	<5	0.4	10	19	1299	<2	22	87	37	<5	0.5	6	232	0.17	1.68	6.35	5.21	1.14	0.14	0.03	0.14
C6469	<1	0.2	3	94	7	73	67	<5	0.2	9	18	1241	<2	18	51	37	<5	0.4	6	345	0.09	1.22	6.22	4.75	0.67	0.22	0.03	0.13
C6470	9	0.1	3	68	12	67	32	<5	0.3	9	18	1110	3	18	31	40	<5	0.4	5	261	0.11	0.72	6.47	5.05	0.27	0.33	0.03	0.12
C6471	<1	0.1	3	87	11	72	14	<5	0.4	9	18	1329	<2	18	44	33	<5	0.5	5	235	0.14	1.01	7.10	4.54	0.45	0.29	0.03	0.12
C6472	<1	0.1	3	78	7	74	22	8	0.4	11	17	1120	<2	20	41	40	<5	0.4	6	214	0.14	1.10	5.92	4.16	0.55	0.32	0.02	0.13
C6473	<1	0.3	<1	241	12	93	53	<5	0.4	41	32	1253	<2	114	146	23	<5	0.5	5	339	0.01	3.12	4.30	6.39	2.81	0.12	0.02	0.17
C6474	<1	0.5	2	221	16	89	68	<5	0.6	48	32	1422	<2	109	133	32	<5	0.5	5	524	0.02	2.36	5.46	6.05	2.53	0.23	0.02	0.17
C6474*	2	0.5	2	221	16	85	63	7	0.6	46	32	1384	<2	110	133	32	<5	0.5	6	519	0.02	2.34	5.37	5.91	2.50	0.23	0.02	0.17
C6475	<1	0.4	2	176	10	91	61	<5	0.6	43	32	1222	<2	90	99	35	<5	0.5	5	477	0.04	1.84	4.57	5.90	2.58	0.38	0.02	0.17
C6476	3	0.3	1	382	6	81	289	<5	0.5	46	33	1619	<2	71	69	47	<5	0.5	4	725	0.02	1.15	5.84	6.01	2.17	0.43	0.03	0.21
C6477	<1	0.3	3	98	2	83	77	<5	0.4	41	35	1390	<2	98	160	24	<5	0.5	4	449	0.02	2.84	3.88	6.30	3.83	0.30	0.02	0.15
C6478	<1	0.2	3	186	3	97	20	<5	0.3	16	26	1192	4	32	153	22	<5	0.5	5	239	0.12	2.66	3.84	6.03	1.99	0.12	0.02	0.18
C6479	1	0.9	1	280	19	130	28	<5	0.7	15	24	1006	<2	33	127	26	<5	0.5	5	263	0.04	2.06	4.44	5.96	0.80	0.13	0.03	0.22
C6480	<1	0.2	<1	130	4	81	27	<5	0.4	37	31	1154	<2	112	205	17	<5	0.5	5	238	0.14	3.13	5.98	6.11	2.94	0.05	0.02	0.15
C6481	<1	0.2	2	387	<1	66	11	<5	0.3	31	30	850	3	100	129	22	<5	0.3	5	117	0.15	2.22	2.98	4.93	1.95	0.10	0.03	0.16
C6482	<1	0.1	1	161	5	57	15	<5	0.3	29	28	731	2	98	120	26	<5	0.3	6	150	0.15	1.99	3.53	4.23	1.78	0.08	0.03	0.16
C6483	<1	0.1	1	141	6	77	17	<5	0.4	35	32	970	<2	112	183	18	<5	0.4	7	218	0.14	2.73	4.77	5.44	2.68	0.14	0.03	0.17
C6483*	<1	0.1	1	131	5	71	16	<5	0.4	33	31	892	<2	105	169	17	<5	0.4	6	202	0.13	2.53	4.41	5.04	2.46	0.13	0.03	0.16

APPENDIX III

Sludge Sample Results

Philip Lake Property

Winter 1992 Program

PLACER DOME RESL .CH CENTRE
Geochemical Analysis

Project/Venture:

V289

Geol

L WARNER

Date Received:

FEB 21, 1992

Page 1 of 5

Area:

PHILIP LAKE 9304

Lab Project No.:

D2320

Date Completed:

MAR 6, 1992

Attn: L WARNER

Remarks:

Au - 10.0 g sample digested with Aqua Regia and determined by Graphite Furnace A.A. (D.L. 1 PPB)

ICP - 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.

N.B. The major oxide elements, Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

E KIMURA

G LUSTIG

SAMPLE No.	Au ppb	Ag ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Cd ppm	Ni ppm	Co ppm	Mn ppm	Bi ppm	Cr ppm	V ppm	Ba ppm	W ppm	Be ppm	La ppm	Sr ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
A27301	3	0.8	16	149	14	865	39	11	7.9	63	16	513	2	62	114	74	98	0.9	9	414	0.02	1.20	2.91	4.67	0.97	0.25	0.02	0.17
A27302	3	0.8	18	159	15	882	36	13	8.0	65	15	514	<2	60	112	75	103	0.9	8	422	0.02	1.15	3.04	4.55	0.94	0.27	0.02	0.17
A27303	3	0.9	18	163	16	941	42	10	8.9	66	16	508	<2	69	119	76	112	0.9	9	403	0.02	1.24	3.00	4.80	0.99	0.29	0.02	0.18
A27304	4	0.6	16	119	21	735	450	16	6.6	59	13	475	3	49	65	57	153	0.9	10	353	<0.01	0.89	2.90	4.29	0.85	0.23	0.02	0.19
A27305	2	0.4	8	85	18	370	142	11	3.2	32	10	528	<2	46	56	84	120	0.8	10	356	<0.01	0.96	2.77	3.55	0.74	0.26	0.03	0.13
A27306	2	0.3	8	63	15	286	180	5	2.4	30	11	580	<2	49	55	86	51	0.8	10	450	<0.01	0.87	3.38	3.41	0.75	0.27	0.04	0.13
A27307	4	0.3	7	61	14	224	658	6	1.6	22	8	512	<2	47	32	104	121	0.8	13	335	<0.01	0.72	2.50	3.03	0.59	0.25	0.04	0.10
A27308	3	0.3	5	44	16	225	238	6	1.6	19	7	454	<2	41	27	118	65	0.7	13	314	<0.01	0.66	2.17	2.78	0.53	0.25	0.04	0.09
A27309	3	0.4	8	46	16	332	279	9	2.7	25	8	465	<2	42	38	99	32	0.7	10	347	<0.01	0.71	2.44	3.04	0.57	0.24	0.04	0.11
STD-ET-P1	82	0.3	57	26	51	144	23	12	0.1	32	6	552	<2	111	33	171	<5	0.4	7	84	0.10	1.01	0.85	2.12	0.80	0.36	0.07	0.08
A27310	2	0.3	8	52	12	346	150	<5	2.8	23	9	529	<2	43	36	114	51	0.8	14	352	<0.01	0.72	2.64	3.36	0.60	0.23	0.05	0.11
A27311	2	0.5	16	96	16	775	112	22	7.5	55	15	382	<2	44	38	63	56	1.0	10	291	<0.01	0.67	2.66	4.08	0.62	0.26	0.02	0.19
A27312	2	0.6	18	91	18	701	82	16	6.7	61	18	409	<2	41	42	52	6	1.0	9	269	<0.01	0.80	2.56	4.37	0.83	0.24	0.01	0.18
A27313	2	0.6	16	96	17	741	117	17	7.2	60	16	479	<2	43	53	54	7	0.8	8	400	<0.01	0.69	3.59	4.51	0.68	0.24	0.02	0.18
A27314	2	0.5	16	123	22	676	134	17	6.6	59	20	565	<2	40	52	51	8	0.9	8	313	0.01	1.02	3.52	5.96	0.95	0.25	0.02	0.19
A27315	3	0.5	12	170	20	537	77	15	4.7	61	20	626	2	45	56	64	233	0.8	7	341	<0.01	1.21	3.96	6.25	1.06	0.23	0.02	0.16
A27316	2	0.5	14	147	33	555	99	16	5.0	58	20	512	<2	40	50	60	168	0.7	7	306	<0.01	1.24	3.34	6.11	1.03	0.20	0.02	0.16
A27317	3	0.4	11	126	16	504	112	13	4.6	47	22	550	<2	36	45	54	51	0.7	7	308	<0.01	1.29	3.56	5.55	1.02	0.21	0.02	0.15
A27318	5	0.3	11	131	13	404	75	17	3.7	41	20	672	<2	48	57	66	19	0.7	7	385	<0.01	1.45	4.52	5.29	1.41	0.22	0.02	0.18
A27318*	3	0.4	12	137	16	416	84	16	3.8	42	20	674	<2	48	57	65	26	0.7	7	385	<0.01	1.45	4.56	5.29	1.42	0.22	0.02	0.18
A27319	5	0.4	8	137	12	326	44	13	2.7	34	18	662	2	39	61	62	38	0.8	7	395	0.04	1.31	4.23	4.57	1.22	0.18	0.02	0.14
A27320	9	0.3	7	120	18	233	36	17	1.7	30	19	1059	4	49	73	61	94	0.6	6	371	0.05	1.19	5.81	4.59	1.17	0.15	0.02	0.15
A27321	3	0.3	8	134	14	297	46	16	2.3	37	21	855	3	62	90	51	65	0.7	7	267	0.07	1.35	3.81	5.32	1.41	0.13	0.02	0.18
A27322	2	0.3	8	136	13	261	47	10	1.8	34	21	806	3	62	104	55	86	0.7	7	286	0.10	1.45	3.89	5.33	1.39	0.12	0.03	0.17
A27323	3	0.2	5	134	11	199	37	13	1.1	30	19	719	<2	62	111	49	102	0.7	7	250	0.11	1.48	3.40	5.26	1.47	0.10	0.02	0.17
A27324	2	0.2	5	104	9	177	24	9	1.0	27	19	731	<2	53	80	46	41	0.6	6	347	0.06	1.52	3.93	4.83	1.39	0.13	0.02	0.16
A27325	2	0.2	5	114	6	144	19	15	0.8	26	20	878	<2	57	87	41	37	0.7	6	328	0.10	1.64	4.78	4.89	1.52	0.13	0.03	0.17
A27326	7	1.0	23	104	14	683	50	23	3.8	52	10	240	<2	60	53	250	60	0.5	20	100	<0.01	0.59	0.46	4.05	0.17	0.22	0.02	0.21
A27327	4	0.8	22	158	14	605	65	23	2.2	59	11	236	2	39	46	236	100	0.6	16	95	<0.01	0.63	0.32	4.56	0.18	0.19	0.03	0.17
A27327*	4	0.8	21	152	16	604	61	20	2.4	61	11	248	<2	51	47	237	110	0.6	16	94	<0.01	0.63	0.33	4.75	0.18	0.20	0.03	0.17
A27328	3	0.6	17	136	16	642	69	16	8.6	57	12	420	<2	40	29	81	142	0.7	12	134	<0.01	0.52	1.03	3.96	0.41	0.14	0.02	0.14
A27329	2	0.4	10	176	20	307	164	13	1.2	39	8	438	<2	43	17	77	235	0.6	9	219	<0.01	0.57	1.84	3.51	0.35	0.16	0.02	0.11
A27330	3	0.7	15	140	12	418	70	12	2.7	52	16	587	<2	44	36	104	125	0.7	9	317	<0.01	0.71	2.83	4.62	0.98	0.18	0.02	0.16
A27331	3	0.5	12	102	31	389	48	20	2.4	46	17	563	<2	39	45	90	42	0.6	8	306	<0.01	0.89	3.50	4.29	0.73	0.20	0.02	0.16
A27332	3	0.6	15	109	13	514	54	16	3.5	53	18	562	2	58	78	99	32	0.7	9	184	0.06	1.20	2.24	4.95	0.95	0.21	0.02	0.17
A27333	3	0.5	12	87	11	335	33	13	2.0	43	16	600	<2	55	74	112	27	0.5	9	112	0.05	1.00	1.52	4.06	0.75	0.16	0.03	0.14
A27334	4	0.5	16	93	20	453	46	15	2.8	49	17	556	<2	93	80	128	22	0.7	10	214	0.06	1.33	2.59	4.54	0.95	0.36	0.04	0.17
A27335	3	0.4	12	86	10	289	31	16	1.8	42	16	611	<2	49	68	114	31	0.5	8	92	0.05	0.95	1.19	3.83	0.68	0.14	0.02	0.13
A27336	4	0.4	11	75	7	286	27	7	1.4	41	16	616	<2	60	69	130	23	0.5	9	92	0.05	0.98	1.15	3.65	0.66	0.16	0.03	0.13
A27336*	4	0.4	10	78	10	286	27	9	1.4	42	15	598	<2	59	67	125	23	0.5	8	90	0.05	0.95	1.11	3.53	0.64	0.16	0.03	0.12

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture:

V289

Geol:

L WARNER

Date Received:

FEB 21, 1992

Page 2 of 5

Area:

PHILIP LAKE 9304

Lab Project No.:

D2320

Date Completed:

MAR 6, 1992

Attn: L WARNER

Remarks:

Au - 10.0 g sample digested with Aqua Regia and determined by Graphite Furnace A.A. (D.L. 1 PPB)

ICP - 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.

N.B. The major oxide elements, Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

E KIMURA
G LUSTIG

SAMPLE No.	Au ppb	Ag ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Cd ppm	Ni ppm	Co ppm	Mn ppm	Bi ppm	Cr ppm	V ppm	Ba ppm	W ppm	Be ppm	La ppm	Sr ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
A27337	3	0.3	2	250	31	159	19	<5	0.7	29	20	811	<2	43	71	115	42	0.7	8	214	0.05	1.68	3.20	4.80	1.01	0.19	0.02	0.13
A27338	3	0.2	2	121	7	114	17	<5	0.5	29	19	787	<2	50	101	137	47	0.6	7	234	0.10	1.85	3.76	4.68	1.37	0.17	0.04	0.14
A27339	6	0.2	2	199	7	113	12	7	0.5	25	18	794	<2	41	94	97	52	0.5	6	260	0.09	1.91	4.38	5.02	1.45	0.16	0.04	0.15
A27340	2	0.2	4	142	5	95	15	8	0.5	24	19	834	<2	44	109	58	32	0.5	6	271	0.08	1.95	4.56	5.15	1.62	0.12	0.04	0.15
A27341	5	0.2	2	127	6	113	15	5	0.5	25	20	808	<2	47	101	89	35	0.6	6	278	0.09	1.77	4.06	5.04	1.41	0.15	0.04	0.15
A27342	2	0.2	4	97	6	98	9	<5	0.6	22	17	818	<2	54	110	139	23	0.7	6	462	0.13	1.63	3.99	4.93	1.48	0.17	0.06	0.15
A27343	2	0.1	1	107	4	94	11	<5	0.4	23	18	685	<2	49	96	84	50	0.7	6	299	0.11	1.56	3.25	5.51	1.44	0.14	0.05	0.14
A27344	2	0.2	4	106	3	94	7	5	0.5	22	20	822	<2	49	115	69	15	0.7	6	288	0.16	1.94	4.04	5.06	1.84	0.14	0.05	0.15
A27345	2	0.2	2	161	8	87	12	<5	0.3	22	21	819	<2	49	113	59	62	0.7	6	513	0.14	1.79	4.34	4.92	1.65	0.11	0.04	0.14
A27345*	1	0.2	2	161	10	91	8	8	0.3	22	21	837	<2	50	114	61	58	0.7	6	529	0.14	1.82	4.46	5.02	1.69	0.11	0.04	0.15
A27346	1	0.2	4	113	8	81	12	<5	0.1	22	20	809	<2	49	114	67	50	0.7	9	269	0.13	1.92	3.68	4.27	1.76	0.12	0.05	0.13
A27347	1	0.1	4	118	11	94	16	<5	0.2	23	22	828	<2	59	109	76	41	0.7	7	277	0.12	1.72	3.35	4.82	1.71	0.10	0.04	0.14
A27348	2	0.2	3	208	10	91	16	<5	<0.1	27	23	1277	<2	58	111	59	41	0.6	6	391	0.06	1.82	5.90	5.47	1.64	0.15	0.05	0.15
A27349	2	0.2	2	113	7	72	13	<5	<0.1	19	19	783	<2	49	87	87	48	0.5	5	271	0.06	1.31	3.82	4.36	1.28	0.12	0.02	0.14
A27350	1	0.2	2	105	7	76	15	<5	<0.1	21	19	826	<2	61	98	72	59	0.7	6	257	0.12	1.32	3.79	4.45	1.28	0.12	0.04	0.15
A27351	1	0.3	2	194	10	90	14	9	<0.1	21	19	787	<2	44	60	68	103	0.5	6	249	0.04	1.13	3.40	4.56	0.83	0.19	0.02	0.21
A27352	2	0.3	5	143	14	71	11	<5	<0.1	24	20	807	<2	80	77	58	11	0.5	5	299	0.02	1.44	3.59	4.77	1.24	0.17	0.03	0.19
A27353	4	0.5	3	154	17	76	14	8	<0.1	23	19	849	<2	82	54	70	12	0.5	6	318	0.02	1.19	3.86	4.72	0.96	0.21	0.03	0.19
A27354	3	0.3	2	176	14	83	13	<5	0.2	18	16	745	<2	48	45	120	39	0.4	6	249	0.04	1.05	3.30	4.22	0.79	0.24	0.03	0.23
STD-ET-P1	79	0.3	61	26	54	161	21	<5	0.3	33	6	593	<2	114	35	178	<5	0.5	7	86	0.11	1.08	0.91	2.27	0.84	0.37	0.07	0.08
A27355	68	10.0	5	105	8	87	18	14	0.3	20	16	671	<2	64	63	90	22	0.6	7	234	0.04	1.01	2.79	4.54	1.06	0.16	0.02	0.18
A27356	4	0.2	4	135	4	90	13	7	0.1	24	22	1023	<2	77	115	72	17	0.6	5	304	0.09	1.51	3.87	5.41	1.66	0.13	0.03	0.18
A27357	3	0.2	5	132	10	92	13	6	0.3	26	21	907	<2	76	104	106	22	0.6	6	313	0.07	1.44	3.48	5.29	1.47	0.13	0.03	0.17
A27358	1	0.2	5	109	12	63	14	9	0.1	30	16	514	2	94	62	178	15	0.3	4	201	0.11	1.13	2.48	3.31	1.11	0.40	0.03	0.11
A27359	3	0.2	5	108	25	62	11	7	0.2	37	13	397	<2	100	49	246	25	0.2	4	152	0.09	1.01	1.76	2.86	1.06	0.45	0.03	0.09
A27360	4	0.3	4	134	35	94	13	10	0.2	32	16	507	<2	139	71	280	26	0.3	5	185	0.13	1.31	2.34	3.43	1.11	0.57	0.06	0.12
A27361	1	0.3	3	130	17	82	12	10	0.3	41	16	608	<2	91	64	221	16	0.4	6	199	0.10	1.35	2.27	3.61	1.27	0.45	0.03	0.12
A27362	2	0.2	6	266	18	158	18	11	<0.1	52	33	878	3	102	158	183	227	0.5	8	388	0.22	2.58	4.45	5.89	1.90	0.39	0.24	0.16
A27363	3	0.2	4	136	12	82	13	8	0.2	33	17	589	<2	78	56	247	16	0.4	7	226	0.10	1.19	2.59	3.39	1.25	0.54	0.03	0.13
A27364	2	0.2	4	139	21	101	17	<5	<0.1	25	22	863	<2	41	88	146	58	0.4	6	68	0.04	1.80	1.25	5.48	1.09	0.20	0.04	0.11
A27365	2	0.4	6	163	15	117	19	9	<0.1	30	30	1875	2	45	81	164	85	0.4	5	87	0.02	1.68	1.49	7.29	1.04	0.18	0.03	0.11
A27365*	2	0.4	5	157	13	104	16	5	<0.1	27	29	1803	<2	46	79	172	83	0.4	6	84	0.02	1.63	1.44	6.95	1.01	0.19	0.03	0.11
A27366	4	0.3	3	147	7	99	59	20	<0.1	23	27	1581	<2	19	24	81	39	0.5	6	87	<0.01	0.76	1.99	6.55	0.25	0.27	0.02	0.10
A27367	2	0.1	4	183	13	76	55	8	<0.1	23	25	1166	<2	21	21	59	8	0.4	4	332	<0.01	0.62	5.99	5.60	0.51	0.21	0.02	0.10
A27368	2	0.2	6	263	12	74	64	14	<0.1	27	25	1181	<2	18	23	61	13	0.4	4	437	<0.01	0.64	6.25	5.32	1.10	0.21	0.03	0.11
A27369	2	0.2	5	161	14	84	58	16	<0.1	30	31	1265	<2	26	47	66	7	0.5	5	419	<0.01	1.12	7.62	5.70	1.18	0.21	0.03	0.12
A27370	1	0.2	5	148	11	86	82	6	<0.1	23	22	980	<2	48	105	49	15	0.6	6	353	<0.01	1.86	6.17	5.04	1.63	0.15	0.03	0.13
A27371	3	0.2	5	144	5	95	28	<5	<0.1	26	23	951	<2	59	155	89	29	0.6	6	332	0.02	2.15	5.69	5.26	1.82	0.14	0.04	0.14
A27372	4	0.4	4	187	7	79	271	<5	<0.1	25	22	953	<2	60	118	66	20	0.6	7	308	0.02	1.93	5.17	5.30	1.61	0.16	0.03	0.13
A27373	5	0.3	5	203	8	90	324	<5	<0.1	27	25	1072	<2	54	132	69	25	0.6	7	341	0.02	2.14	5.70	5.94	1.80	0.15	0.03	0.15

PLACER DOME RESEARCH CENTRE
Geochemical Analysis

Project/Venture:
Area:
Remarks:

V289
PHILIP LAKE 9304

Geol: L WARNER
Lab Project No: D2320

Date Received: FEB 21, 1992
Date Completed: MAR 6, 1992

Page 3 of 5
Attn: L WARNER
E KIMURA
G LUSTIG

Au - 10.0 g sample digested with Aqua Regia and determined by Graphite Furnace A.A. (D.L. 1 PPB)

ICP - 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.

N.B. The major oxide elements, Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No	Au ppb	Ag ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Cd ppm	Ni ppm	Co ppm	Mn ppm	Bi ppm	Cr ppm	V ppm	Ba ppm	W ppm	Be ppm	La ppm	Sr ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
A27374	6	0.2	5	137	9	81	188	8	<0.1	25	21	846	<2	49	118	45	33	0.6	7	265	0.07	1.84	4.35	5.39	1.56	0.13	0.03	0.14
A27374*	6	0.2	6	142	11	84	197	<5	<0.1	28	23	856	<2	55	120	48	34	0.6	8	282	0.07	1.98	4.60	5.84	1.66	0.14	0.03	0.15
A27375	3	0.1	3	145	3	79	80	8	<0.1	22	21	798	<2	58	122	41	30	0.6	7	235	0.11	1.95	4.05	5.08	1.64	0.11	0.03	0.15
A27376	3	0.1	5	168	3	72	41	6	<0.1	26	27	802	<2	46	110	47	12	0.6	7	353	0.09	2.01	4.65	5.35	1.57	0.18	0.04	0.14
A27377	3	0.2	3	146	<1	77	24	<5	<0.1	24	22	934	<2	53	129	95	23	0.7	7	266	0.14	2.11	4.62	5.11	1.68	0.10	0.03	0.15
A27378	1	0.1	2	160	<1	104	10	<5	<0.1	28	22	947	<2	59	131	47	113	0.6	8	235	0.15	2.25	3.43	5.03	2.00	0.08	0.03	0.16
A27379	2	0.2	3	193	24	83	15	7	<0.1	27	22	995	<2	58	110	85	40	0.7	7	298	0.16	1.84	4.81	5.09	1.50	0.13	0.04	0.14
A27380	3	0.2	3	145	7	89	22	5	<0.1	27	29	1429	<2	49	119	55	22	0.7	6	360	0.15	1.73	7.10	4.82	1.46	0.08	0.04	0.13
A27381	2	0.2	2	162	2	96	20	<5	<0.1	27	24	694	<2	54	82	81	32	0.5	6	154	0.07	1.82	2.66	5.31	1.07	0.25	0.03	0.13
A27382	2	0.2	2	139	3	73	13	<5	<0.1	26	22	650	<2	55	80	114	6	0.5	6	144	0.06	1.67	2.11	5.75	0.90	0.36	0.03	0.12
A27383	2	0.2	4	149	1	76	21	<5	<0.1	25	24	719	<2	57	85	94	5	0.5	6	182	0.05	1.63	2.52	6.44	0.92	0.32	0.02	0.13
A27383*	2	0.2	2	159	3	80	23	<5	<0.1	25	23	735	<2	57	83	92	13	0.5	6	181	0.05	1.61	2.54	6.61	0.93	0.32	0.02	0.13
A27384	3	0.2	6	172	6	85	22	<5	<0.1	29	30	921	<2	58	92	72	13	0.7	8	240	0.07	1.72	3.30	6.80	1.06	0.28	0.03	0.12
A27385	2	0.2	6	203	10	95	15	<5	<0.1	30	26	870	<2	48	100	202	22	0.6	6	181	0.12	1.75	2.52	6.86	1.29	0.21	0.03	0.11
A27386	3	0.2	7	152	4	81	22	6	<0.1	30	27	851	<2	48	69	66	20	0.5	6	240	0.07	1.42	3.42	6.10	0.92	0.23	0.02	0.12
A27387	3	0.2	9	187	8	76	29	<5	<0.1	33	25	892	<2	52	70	67	34	0.5	7	268	0.06	1.38	4.23	5.93	0.87	0.22	0.03	0.15
A27388	4	0.3	6	180	7	80	18	<5	<0.1	30	25	843	<2	51	73	66	23	0.5	7	208	0.05	1.57	3.08	5.84	0.97	0.25	0.03	0.14
A27389	3	0.1	5	153	3	81	27	<5	<0.1	26	25	770	<2	44	64	76	10	0.5	7	191	0.04	1.60	2.54	5.69	0.92	0.27	0.02	0.15
A27390	3	0.3	7	491	26	110	29	<5	<0.1	30	25	829	<2	49	68	89	37	0.5	7	192	0.04	1.67	2.54	6.30	0.96	0.28	0.03	0.16
A27391	3	0.2	5	225	9	89	25	<5	<0.1	24	20	718	<2	46	72	77	16	0.5	7	153	0.04	1.71	2.21	5.70	1.01	0.24	0.04	0.16
A27392	3	0.3	6	208	14	101	28	<5	<0.1	29	23	846	<2	50	73	86	47	0.5	6	220	0.04	1.65	3.18	5.65	0.98	0.28	0.03	0.15
A27392*	3	0.3	7	215	13	119	28	5	<0.1	28	22	815	<2	46	70	81	50	0.5	6	211	0.04	1.57	3.06	5.56	0.93	0.26	0.03	0.15
A27393	3	0.2	4	252	17	103	30	<5	<0.1	34	24	811	<2	53	74	83	64	0.6	9	194	0.05	1.75	2.65	5.87	0.98	0.27	0.03	0.15
A27394	4	0.2	5	193	6	96	20	<5	<0.1	30	21	754	<2	54	79	79	50	0.5	8	173	0.05	1.58	2.40	5.55	0.96	0.22	0.03	0.15
A27395	2	0.2	4	236	4	93	19	<5	<0.1	30	19	764	<2	54	82	87	59	0.5	8	163	0.05	1.62	2.02	6.08	0.95	0.22	0.04	0.15
A27396	6	0.2	5	196	8	86	31	<5	<0.1	30	19	882	<2	59	74	82	46	0.4	7	163	0.05	1.56	2.07	7.31	0.87	0.22	0.03	0.14
A27397	3	0.3	3	225	4	100	20	<5	<0.1	31	20	805	<2	76	90	86	50	0.5	7	166	0.04	1.68	2.08	5.75	1.11	0.19	0.03	0.15
A27398	4	0.2	3	216	7	88	15	<5	<0.1	30	17	658	<2	64	82	85	55	0.4	6	109	0.06	1.49	1.61	5.15	1.14	0.14	0.03	0.13
A27399	3	0.2	4	151	10	78	15	<5	<0.1	28	17	676	<2	76	92	152	28	0.5	6	100	0.09	1.62	1.60	5.30	1.20	0.19	0.04	0.13
A27400	3	0.7	2	188	3	80	18	<5	<0.1	27	16	613	<2	66	85	108	62	0.4	6	84	0.07	1.60	1.25	5.35	1.07	0.19	0.04	0.13
A27401	2	0.2	3	142	3	79	18	<5	<0.1	29	17	628	<2	65	85	96	47	0.4	6	95	0.07	1.57	1.40	5.17	1.12	0.17	0.03	0.14
STD-ET-P1	49	0.3	63	26	48	145	19	<5	0.2	32	5	559	<2	117	35	172	<5	0.4	8	81	0.10	1.03	0.85	2.11	0.80	0.35	0.06	0.08
A27402	3	0.3	2	125	7	82	20	9	<0.1	26	19	605	<2	64	87	98	33	0.6	8	104	0.07	1.57	1.65	4.93	1.06	0.20	0.04	0.13
A27403	3	0.2	3	155	3	103	18	13	<0.1	29	20	679	<2	56	94	103	93	0.5	7	115	0.09	1.61	1.75	5.44	1.09	0.18	0.04	0.15
A27404	7	0.3	1	242	7	128	20	7	<0.1	34	21	724	<2	53	100	95	240	0.6	7	124	0.11	1.64	1.81	5.84	1.16	0.16	0.03	0.17
A27405	3	3.8	3	206	9	99	22	11	1.2	31	22	735	<2	76	100	119	92	0.6	6	144	0.11	1.72	2.03	6.30	1.16	0.25	0.06	0.15
A27406	5	12.0	9	436	32	188	30	16	3.7	55	26	998	<2	93	101	212	351	0.6	5	196	0.10	1.62	3.13	7.63	1.30	0.20	0.04	0.15
A27407	5	0.2	9	281	28	109	18	11	<0.1	39	27	1051	<2	97	120	275	71	0.6	6	360	0.14	1.79	3.28	7.00	1.56	0.21	0.05	0.17
A27408	3	0.2	5	289	22	78	14	18	<0.1	38	26	1052	<2	132	106	117	22	0.6	5	338	0.15	1.41	4.31	6.36	1.43	0.12	0.05	0.16
A27409	5	0.2	9	361	33	83	37	14	<0.1	42	30	1068	2	102	108	101	25	0.5	5	283	0.13	1.40	3.25	7.12	1.23	0.16	0.04	0.16

PLACER DOME RESL CH CENTRE
Geochemical Analysis

Project/Venture:

V289

Geol:

L WARNER

Date Received:

FEB 21, 1992

Page 4 of 5

Area:

PHILIP LAKE 9304

Lab Project No.:

D2320

Date Completed:

MAR 6, 1992

Attn: L WARNER

Remarks:

Au - 10.0 g sample digested with Aqua Regia and determined by Graphite Furnace A.A. (D.L. 1 PPB)

ICP - 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.

N.B. The major oxide elements, Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

E KIMURA
G LUSTIG

SAMPLE No	Au ppb	Ag ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Cd ppm	Ni ppm	Co ppm	Mn ppm	Bi ppm	Cr ppm	V ppm	Ba ppm	W ppm	Be ppm	La ppm	Sr ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
A27410	4	0.3	11	392	35	74	21	17	<0.1	55	34	1010	<2	97	93	59	25	0.5	5	247	0.11	1.10	4.34	7.44	0.88	0.19	0.04	0.13
A27410*	4	0.3	12	400	33	76	22	15	<0.1	58	36	1043	2	99	95	65	39	0.5	5	257	0.11	1.14	4.48	7.64	0.91	0.19	0.04	0.13
A27411	4	0.1	18	348	49	179	10	<5	<0.1	229	15	541	<2	78	73	86	580	0.4	7	69	0.08	1.09	1.68	4.25	0.82	0.12	0.04	0.10
A27412	4	0.1	5	115	6	85	10	<5	<0.1	34	12	436	<2	89	67	72	196	0.4	7	67	0.07	0.94	1.55	3.14	0.71	0.14	0.03	0.11
A27413	3	0.1	3	88	8	79	63	<5	<0.1	15	10	519	<2	28	19	67	125	0.3	6	91	<0.01	0.42	0.38	3.73	0.23	0.21	0.01	0.09
A27414	3	0.1	4	73	5	82	44	<5	<0.1	12	12	774	<2	27	15	34	60	0.4	7	60	<0.01	0.41	1.27	4.35	0.16	0.21	0.01	0.13
A27415	3	0.1	4	63	4	79	49	<5	<0.1	10	10	711	<2	27	15	28	62	0.4	6	153	<0.01	0.30	3.14	3.81	0.12	0.19	0.02	0.12
A27416	3	0.1	6	104	13	110	50	<5	<0.1	26	11	991	<2	24	19	72	186	0.4	5	201	0.01	0.34	4.01	3.49	0.16	0.20	0.02	0.11
A27417	5	0.1	6	118	21	108	55	<5	<0.1	34	11	1116	<2	31	16	72	169	0.4	4	253	<0.01	0.30	4.79	4.00	0.13	0.19	0.02	0.10
A27418	3	0.3	10	178	15	126	77	6	<0.1	54	16	943	<2	37	16	38	227	0.4	5	251	<0.01	0.23	5.33	5.99	0.13	0.16	0.01	0.11
A27419	3	0.1	5	88	10	90	76	11	<0.1	25	17	837	<2	34	31	46	46	0.5	6	295	<0.01	0.33	6.12	4.72	0.56	0.24	0.02	0.12
A27419*	3	0.1	4	94	8	92	80	12	<0.1	26	18	860	<2	36	32	47	47	0.5	6	301	<0.01	0.35	6.33	4.81	0.58	0.24	0.02	0.13
A27420	2	0.3	11	234	14	189	76	12	0.7	87	16	566	<2	33	22	39	296	0.6	7	310	<0.01	0.27	4.86	4.50	0.37	0.17	0.01	0.13
A27421	4	0.8	15	145	15	552	79	12	5.5	73	15	390	3	42	24	32	108	0.5	6	165	<0.01	0.40	2.25	5.04	0.51	0.16	0.02	0.14
A27422	4	0.7	14	155	16	478	69	12	4.7	67	15	470	<2	44	30	35	147	0.5	6	164	<0.01	0.50	2.41	4.74	0.49	0.16	0.02	0.14
A27423	4	0.8	13	171	22	541	62	11	4.6	72	14	420	<2	34	24	37	160	0.4	5	191	<0.01	0.35	2.21	4.48	0.68	0.12	0.02	0.12
A27424	4	0.6	14	240	14	474	54	12	3.3	108	14	426	<2	43	30	39	359	0.4	5	148	0.02	0.46	1.86	4.82	0.61	0.15	0.02	0.13
A27425	3	0.6	20	373	24	490	60	8	3.1	155	13	502	<2	45	25	39	569	0.4	5	146	<0.01	0.36	1.81	5.58	0.46	0.15	0.02	0.15
A27426	5	0.8	20	181	17	666	93	13	6.0	91	13	417	<2	47	23	36	184	0.5	5	284	<0.01	0.31	2.98	5.55	0.60	0.17	0.02	0.13
A27427	6	1.0	19	136	21	545	85	20	4.8	74	14	477	4	37	22	36	76	0.5	6	239	<0.01	0.28	3.76	4.95	0.54	0.14	0.02	0.14
A27428	15	1.6	24	890	20	1206	85	26	7.7	189	18	486	5	47	21	26	543	0.4	5	156	<0.01	0.24	2.19	7.12	0.76	0.14	0.02	0.12
A27428*	15	1.6	24	899	21	1221	87	24	7.4	209	20	495	8	48	23	29	605	0.4	6	170	<0.01	0.26	2.36	7.29	0.83	0.15	0.02	0.13
A27429	11	1.2	21	362	16	932	92	25	8.0	114	15	325	<2	36	16	26	249	0.4	5	133	<0.01	0.21	1.61	5.85	0.57	0.13	0.01	0.12
A27430	11	1.0	18	269	16	534	89	25	3.6	105	15	465	<2	33	16	29	415	0.4	5	208	<0.01	0.25	2.82	5.38	0.66	0.14	0.01	0.13
A27431	7	0.6	22	282	14	379	76	21	1.7	195	22	495	<2	43	21	31	330	0.4	6	262	<0.01	0.37	3.57	6.14	0.60	0.15	0.01	0.15
A27432	8	0.7	17	363	9	350	91	18	1.2	156	22	667	4	50	22	33	372	0.4	5	241	<0.01	0.41	4.01	7.42	0.45	0.22	0.02	0.12
A27433	11	0.6	7	215	15	192	54	18	0.7	50	17	649	2	29	20	30	206	0.4	6	320	<0.01	0.34	5.07	5.12	0.48	0.16	0.02	0.11
A27434	8	0.4	13	242	14	190	55	17	0.6	95	19	703	6	46	23	28	261	0.4	6	219	<0.01	0.36	3.19	6.60	0.72	0.20	0.02	0.12
A27435	6	0.3	16	429	35	224	51	16	0.2	160	23	902	6	99	63	46	435	0.5	7	173	0.05	1.07	3.33	7.92	0.69	0.33	0.04	0.13
A27436	7	0.3	11	365	56	202	44	16	0.1	124	22	867	2	82	72	64	546	0.5	6	314	0.03	1.36	4.98	6.63	0.90	0.37	0.06	0.12
A27437	17	0.4	14	286	80	176	37	18	0.3	80	23	926	2	186	73	100	270	0.6	7	342	0.02	1.86	5.18	6.66	0.93	0.73	0.11	0.13
A27437*	17	0.4	12	269	77	165	38	13	0.4	70	22	885	3	174	71	98	249	0.6	6	327	0.02	1.81	5.04	6.30	0.91	0.71	0.11	0.12
A27438	7	0.9	18	181	39	660	70	20	6.0	72	17	507	<2	79	53	49	175	0.6	7	218	<0.01	0.87	2.86	5.01	0.67	0.35	0.04	0.15
A27439	7	0.3	6	133	24	101	31	8	<0.1	28	25	916	<2	49	60	72	21	0.6	5	402	<0.01	1.80	5.83	5.42	1.36	0.39	0.04	0.13
A27440	8	0.5	3	157	38	144	38	8	0.7	33	27	787	<2	53	57	68	49	0.5	4	416	0.01	1.59	5.32	5.29	1.04	0.35	0.04	0.12
A27441	7	0.5	5	328	235	150	32	8	0.4	28	27	702	<2	38	69	69	32	0.4	4	313	0.02	1.77	4.33	5.62	1.05	0.29	0.04	0.11
A27442	8	0.5	3	92	30	123	32	<5	0.4	24	27	713	<2	44	106	63	26	0.4	4	223	0.01	2.10	2.79	5.91	1.31	0.21	0.05	0.09
A27443	8	0.4	7	116	24	144	32	5	0.2	24	26	924	<2	44	40	45	35	0.4	4	388	0.02	0.95	6.20	6.32	0.49	0.32	0.05	0.15
A27444	10	0.4	4	104	22	130	41	10	0.5	20	25	851	<2	34	41	40	43	0.4	4	368	0.01	0.90	5.05	6.26	0.52	0.29	0.05	0.15
A27445	2	4.6	5	94	15	112	29	9	2.1	16	21	838	3	34	43	50	24	0.4	5	329	0.01	0.87	5.02	4.84	0.50	0.27	0.06	0.14

PLACER DOME RESL. CH CENTRE
Geochemical Analysis

Project/Venture: V289
Area: PHILIP LAKE 9304
Remarks:

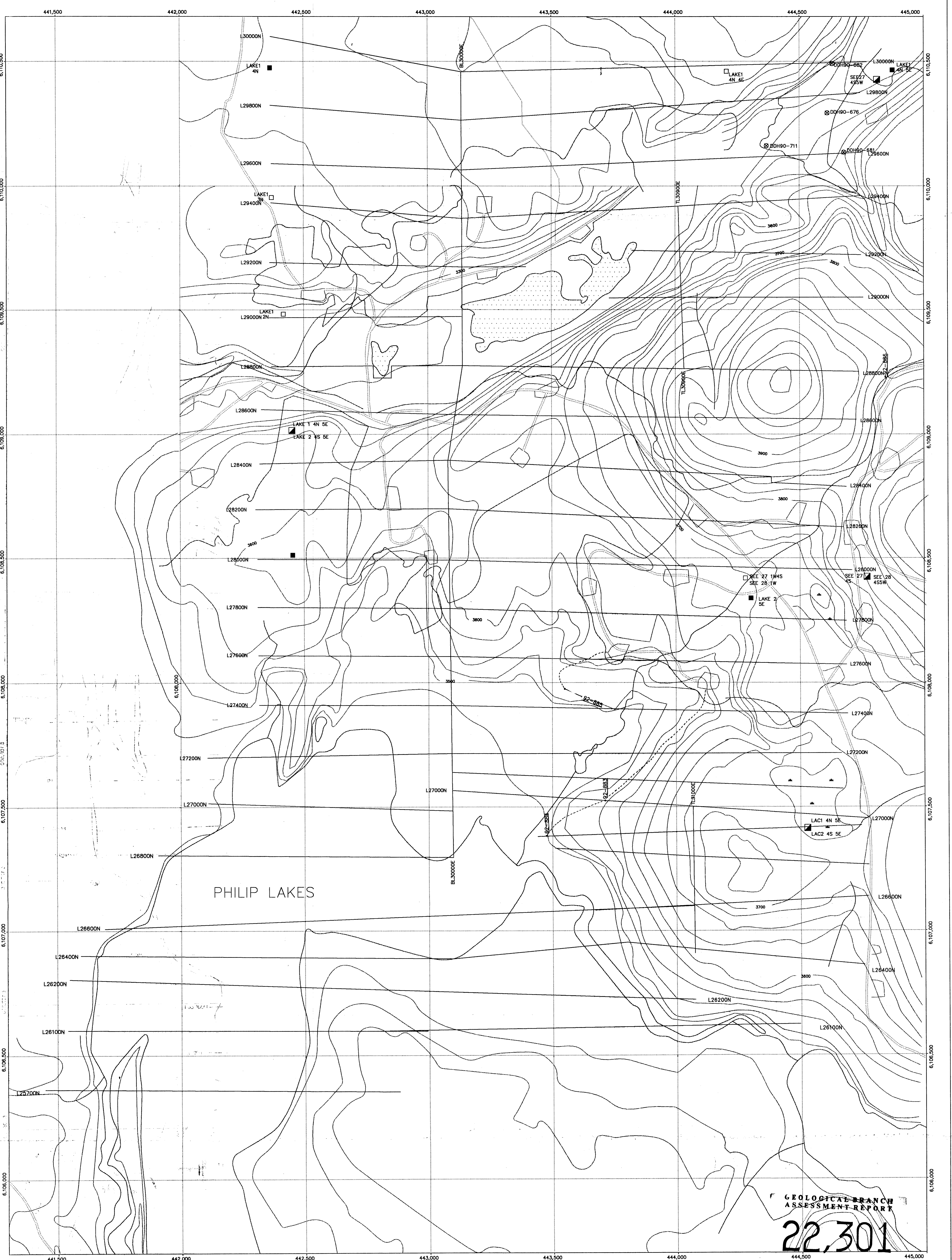
Geol. L WARNER
Lab Project No.: D2320

Date Received: FEB 21, 1992
Date Completed: MAR 6, 1992

Page 5 of 5
Attn: L WARNER
E KIMURA
G LUSTIG

Au - 10.0 g sample digested with Aqua Regia and determined by Graphite Furnace A.A. (D.L. 1 PPB)
ICP - 0.5 g sample digested with 4 ml Aqua Regia at 100 Deg. C for 2 hours.
N.B. The major oxide elements, Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

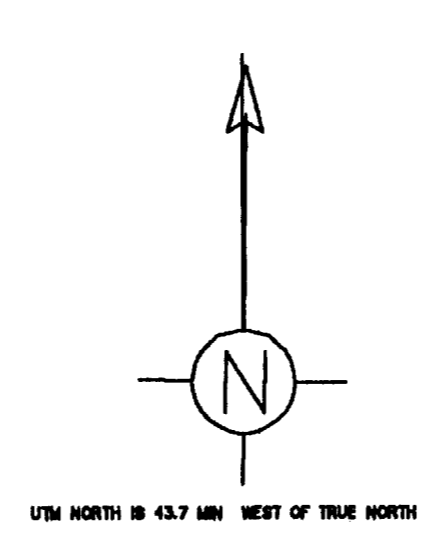
SAMPLE No.	Au ppb	Ag ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Cd ppm	Ni ppm	Co ppm	Mn ppm	Bi ppm	Cr ppm	V ppm	Ba ppm	W ppm	Be ppm	La ppm	Sr ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
A27446	2	0.5	6	119	24	121	37	11	0.3	17	24	845	<2	36	43	42	26	0.4	6	275	0.01	0.82	4.53	5.75	0.46	0.28	0.05	0.16
STD-ET-P1	104	0.3	62	27	50	147	23	7	0.3	31	6	580	<2	113	34	171	<5	0.4	8	81	0.10	1.02	0.88	2.21	0.83	0.35	0.06	0.08
A27447	3	0.4	3	98	12	105	69	7	0.4	14	16	1141	<2	21	34	47	16	0.4	7	308	0.01	0.58	6.71	4.49	0.28	0.23	0.07	0.14
A27448	5	0.4	8	69	19	83	50	10	0.7	15	20	1242	3	28	48	52	8	0.5	8	448	<0.01	0.88	7.13	5.44	0.48	0.28	0.06	0.15
A27449	3	0.6	8	82	209	296	110	11	7.0	22	31	931	7	52	44	37	12	0.5	8	332	0.01	0.88	5.23	7.13	0.50	0.30	0.08	0.17
A27450	4	0.4	6	103	65	180	162	12	1.9	20	24	890	5	26	42	49	24	0.5	9	385	<0.01	1.05	5.24	5.19	0.66	0.23	0.04	0.17
A27451	2	0.4	6	96	41	139	64	14	1.0	16	21	1082	5	23	31	49	11	0.4	7	455	<0.01	0.66	6.68	5.48	0.45	0.22	0.04	0.14
A27452	40	0.5	7	141	94	245	68	6	1.4	17	29	763	<2	54	47	32	10	0.4	6	157	0.07	1.06	3.81	5.94	0.94	0.19	0.06	0.12
A27453	4	0.4	9	116	64	186	39	<5	1.0	24	29	954	8	183	73	41	13	0.5	7	173	0.16	1.74	4.19	6.01	1.07	0.45	0.15	0.14
A27454	<1	0.3	8	116	37	152	31	7	0.3	22	31	757	3	48	48	29	29	0.4	5	113	0.13	1.10	3.19	7.14	0.84	0.19	0.05	0.13
A27455	1	0.4	5	92	52	160	37	<5	0.7	21	29	724	3	31	36	30	12	0.4	5	135	0.09	0.84	3.48	6.82	0.72	0.14	0.04	0.14
A27455*	1	0.4	6	98	48	164	37	<5	0.7	23	30	748	3	33	37	31	13	0.4	6	138	0.09	0.85	3.58	7.02	0.74	0.15	0.04	0.14
A27456	3	0.3	7	139	22	103	23	6	<0.1	18	24	771	2	45	44	47	21	0.6	8	141	0.14	1.24	4.26	5.69	0.82	0.39	0.05	0.13
A27457	<1	0.3	5	103	19	93	27	<5	<0.1	15	22	715	<2	25	40	39	17	0.4	7	163	0.11	0.80	4.52	6.15	0.47	0.19	0.07	0.13
A27458	1	0.3	7	79	27	97	82	13	<0.1	13	18	922	<2	25	35	44	16	0.4	6	350	0.03	0.55	6.73	5.09	0.24	0.22	0.07	0.11
A27459	2	0.3	5	133	14	102	17	8	<0.1	22	32	818	2	39	46	57	9	0.5	7	192	0.11	1.23	4.25	7.22	0.78	0.36	0.08	0.15
A27460	<1	0.2	5	102	14	89	19	10	<0.1	14	18	968	<2	23	69	68	11	0.5	8	190	0.12	1.31	4.57	5.05	0.88	0.21	0.08	0.13
A27461	1	0.4	7	111	15	105	111	11	<0.1	25	28	1015	<2	55	48	46	12	0.5	7	273	0.10	1.07	5.30	7.73	0.48	0.46	0.09	0.14
A27462	NSS	0.4	7	244	69	203	36	17	0.1	30	26	1035	<2	44	65	87	22	0.5	7	214	0.12	1.35	4.74	6.01	0.91	0.35	0.07	0.15
A27463	<1	0.4	7	221	19	117	68	8	0.2	36	31	955	<2	67	72	74	14	0.5	7	228	0.06	1.67	3.82	6.43	1.22	0.25	0.04	0.15
A27463*	<1	0.4	8	208	16	106	63	7	<0.1	34	30	905	<2	63	67	77	14	0.4	6	215	0.06	1.57	3.62	6.11	1.15	0.23	0.03	0.14
A27464	2	0.3	5	175	25	109	91	7	<0.1	39	28	971	<2	60	73	91	52	0.5	8	314	0.06	1.38	3.93	6.05	1.17	0.32	0.04	0.14
A27465	1	0.4	7	363	20	111	81	8	0.1	43	28	1055	2	59	74	94	87	0.5	7	416	0.05	1.31	4.19	5.90	1.42	0.45	0.07	0.14
A27466	<1	0.3	8	120	8	122	88	5	0.1	52	37	1263	<2	111	170	73	52	0.6	7	396	0.03	2.89	3.58	6.41	3.42	0.36	0.04	0.15
A27467	<1	0.3	8	175	4	114	41	<5	<0.1	36	29	1171	<2	95	123	70	30	0.6	7	296	0.10	2.65	5.82	5.66	1.57	0.26	0.06	0.16
A27468	2	0.3	10	324	14	129	47	6	0.2	25	28	1013	2	51	148	124	36	0.6	9	277	0.14	2.55	3.78	5.92	1.58	0.32	0.09	0.18
A27469	<1	0.4	9	174	11	135	79	8	0.2	35	28	917	3	62	111	100	59	0.5	8	262	0.09	1.95	4.05	5.89	1.39	0.27	0.07	0.16
A27470	1	0.3	9	165	43	128	75	10	0.3	40	33	914	<2	76	116	87	34	0.5	7	214	0.12	1.86	4.05	6.00	1.53	0.20	0.06	0.15
A27471	12	0.3	9	116	12	151	43	12	0.3	40	26	691	<2	83	98	126	28	0.5	8	394	0.13	1.72	3.48	4.61	1.42	0.33	0.14	0.15
A27472	1	0.3	7	182	6	114	26	<5	0.1	40	26	723	<2	84	118	150	51	0.5	8	481	0.19	2.07	3.37	4.89	1.45	0.23	0.15	0.15
STD-ET-P1	44	0.3	61	26	46	153	19	<5	0.2	32	6	574	<2	118	36	180	<5	0.4	8	84	0.10	1.07	0.86	2.16	0.84	0.37	0.06	0.08
A27473	2	0.3	5	182	9	119	40	8	0.1	45	34	772	<2	100	131	194	79	0.5	9	276	0.19	2.10	3.08	5.29	1.66	0.30	0.18	0.14
A27474	1	0.1	3	145	8	92	32	9	<0.1	39	38	807	<2	92	143	129	36	0.4	8	191	0.20	2.11	3.86	5.50	1.73	0.24	0.15	0.14
A27475	1	0.2	3	240	13	121	18	17	0.3	42	30	850	3	100	150	271	76	0.5	8	210	0.22	2.47	3.37	5.52	1.95	0.43	0.20	0.15
A27476	1	0.1	4	203	28	118	21	11	<0.1	40	30	806	4	97	151	319	88	0.5	8	215	0.20	2.46	3.21	5.33	1.94	0.43	0.27	0.15
A27477	3	0.2	4	189	8	113	24	13	<0.1	41	35	881	<2	105	177	170	93	0.5	8	254	0.21	2.80	4.14	5.44	2.27	0.31	0.21	0.15
A27478	2	0.2	4	232	12	139	16	10	<0.1	45	29	758	<2	87	137	168	206	0.5	7	337	0.19	2.22	3.87	5.16	1.64	0.33	0.21	0.14



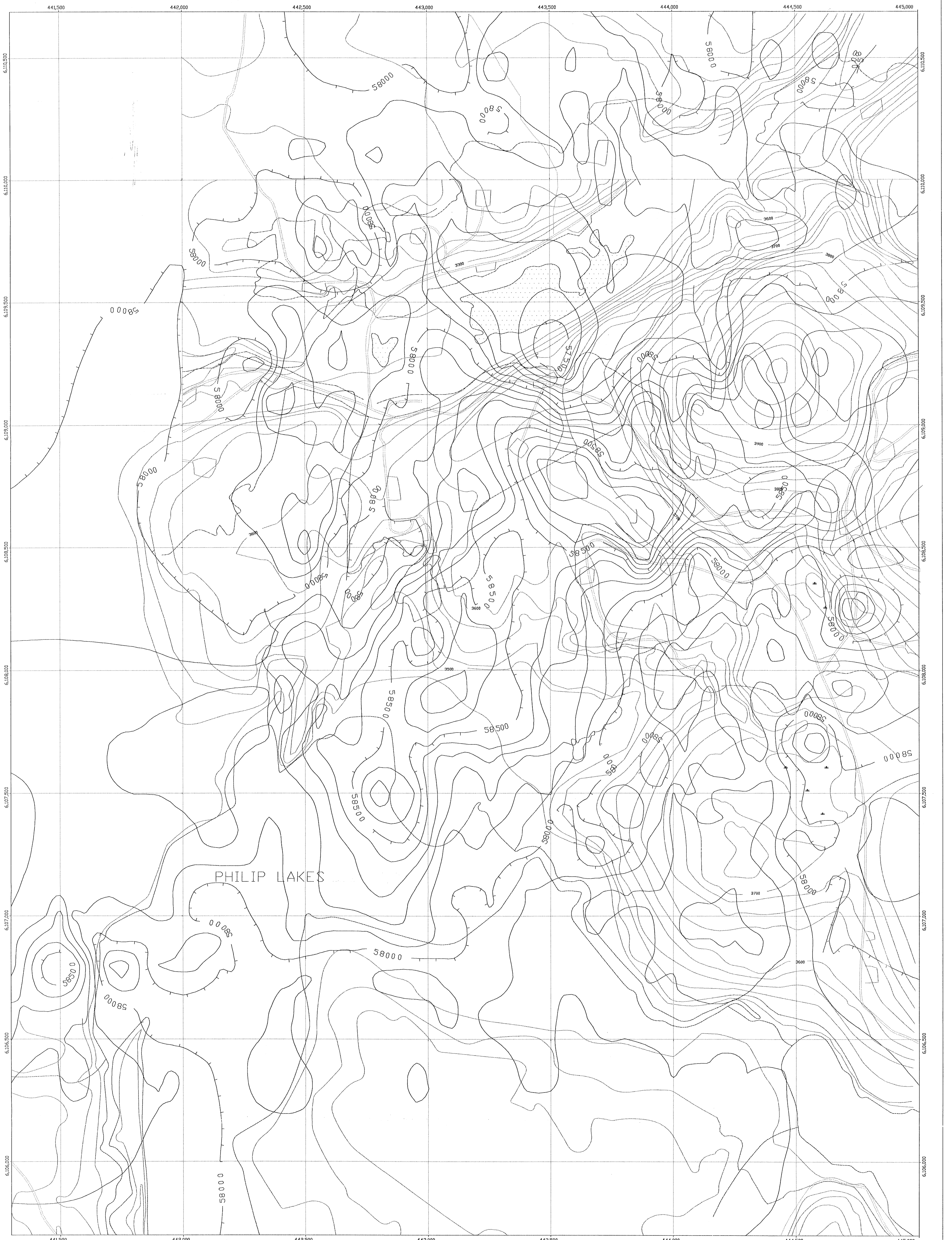
PHILIP LAKES

GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,301

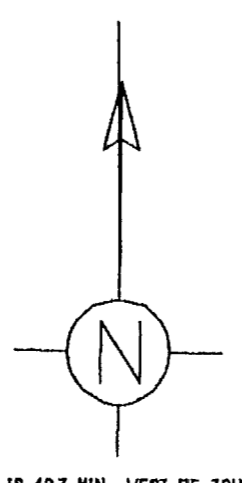
- LEGEND**
- ROAD
 - CONTOUR WITH ELEVATION (50 METER INTERVAL)
 - LAKE WITH STREAM AND FLOW ARROW
 - LAKE WITH LABEL
 - LEGAL CORNER POST
 - CLAIM CORNER POST
 - Claim Identification Post
 - 92-883 BOUNDARY POST
 - LOCATION MARKED WITH REFERENCE POINT
 - DRILL ROAD



PLACER DOME INC.
PHILIP LAKE PROJECT
BASE MAP WITH DRILL HOLES
DRAWN: TJC
DATE: MAY 5, 1992
SCALE: 1:5000
DRAWING NO. Figure 8



PHILIP LAKES



UTM NORTH IS 437 MIN WEST OF TRUE NORTH

Contour Interval: 100 nt

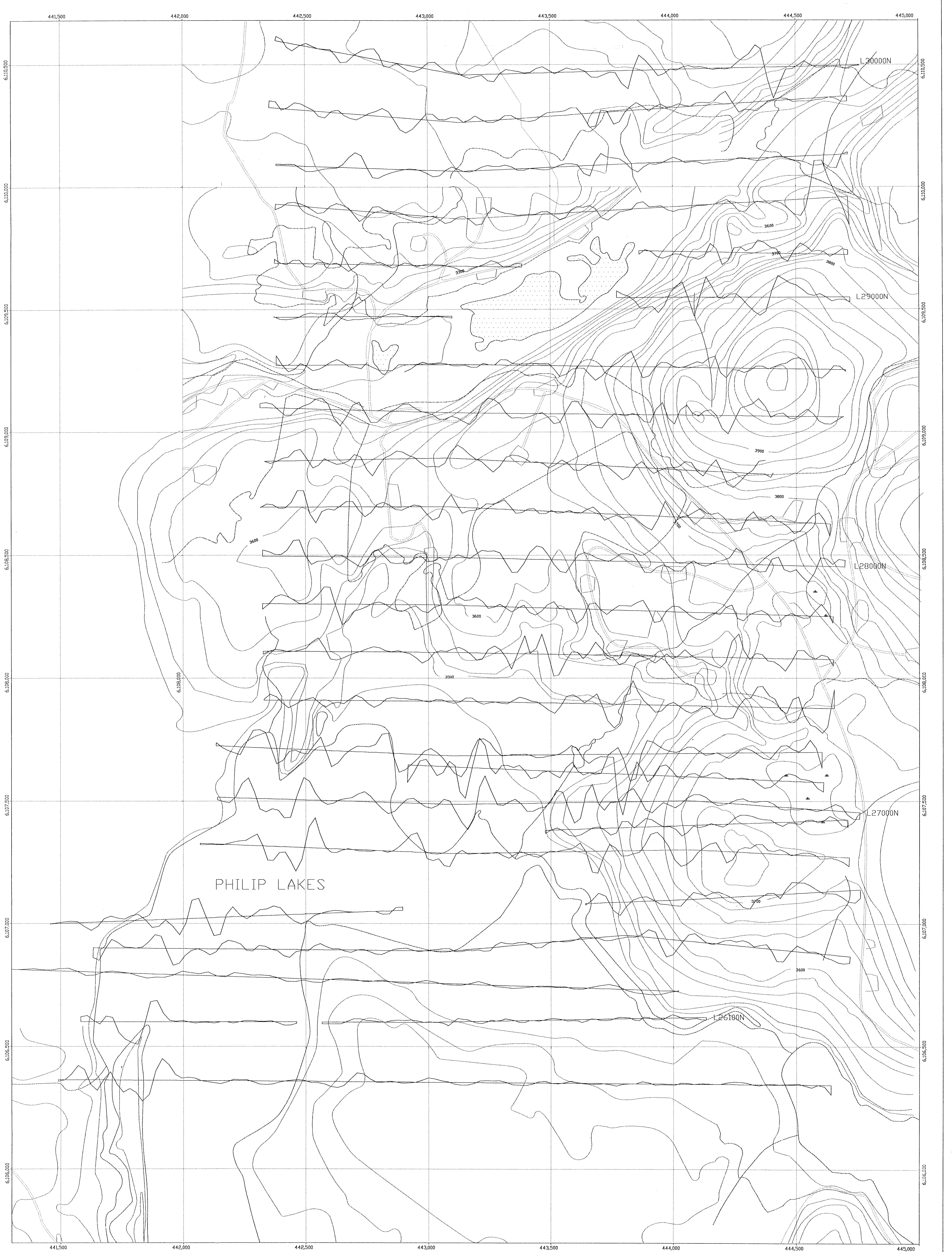


GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,301
PLACER DOME INC.

PHILIP LAKES GRID
Contoured Magnetics

DRAWN PPA
DATE 920312
SCALE 1:5000
MAG-CONT.DWG



PHILIP LAKES

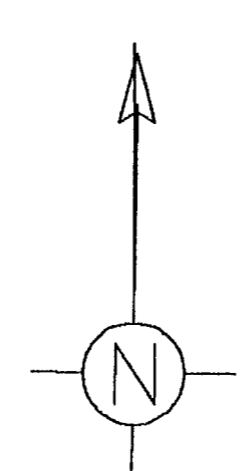
L30000N

L29000N

L28000N

L27000N

L26100N



UTM NORTH IS 437 METERS WEST OF TRUE NORTH

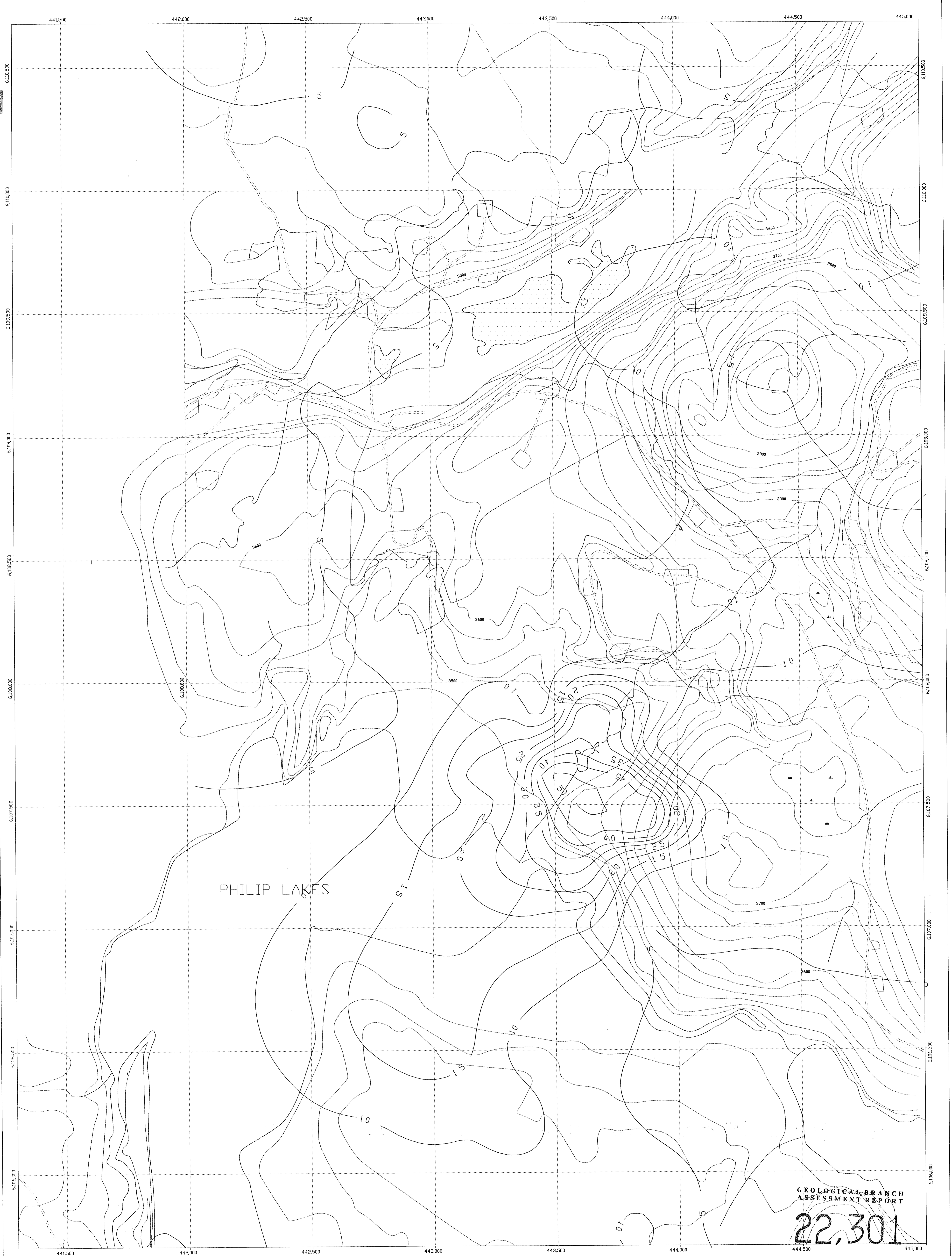
DATA PLOTTED ON THIS MAP:
 DIRECTORY: 44XPL/PHILIP/GR/VLF
 RUN FILE: FF-FRASE.AUX
 FIELD FILE: PHIL-FF.STAT
 SID: PHIL-FF.STAT
 SCALE: 200 UNITS / CM
 BASE LEVEL: 0.0

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

22,301

DRAWN: PPA		PLACER DOME INC.	
DATE: 92-03-13		PHILIP LAKE GRID	
SCALE: 1:5000		FRASER FILTERED VLF	
phil-ff.dwg		STACKED PROFILES	

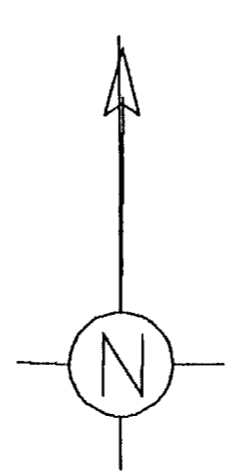
Figure No. 7



PHILIP LAKES

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,301

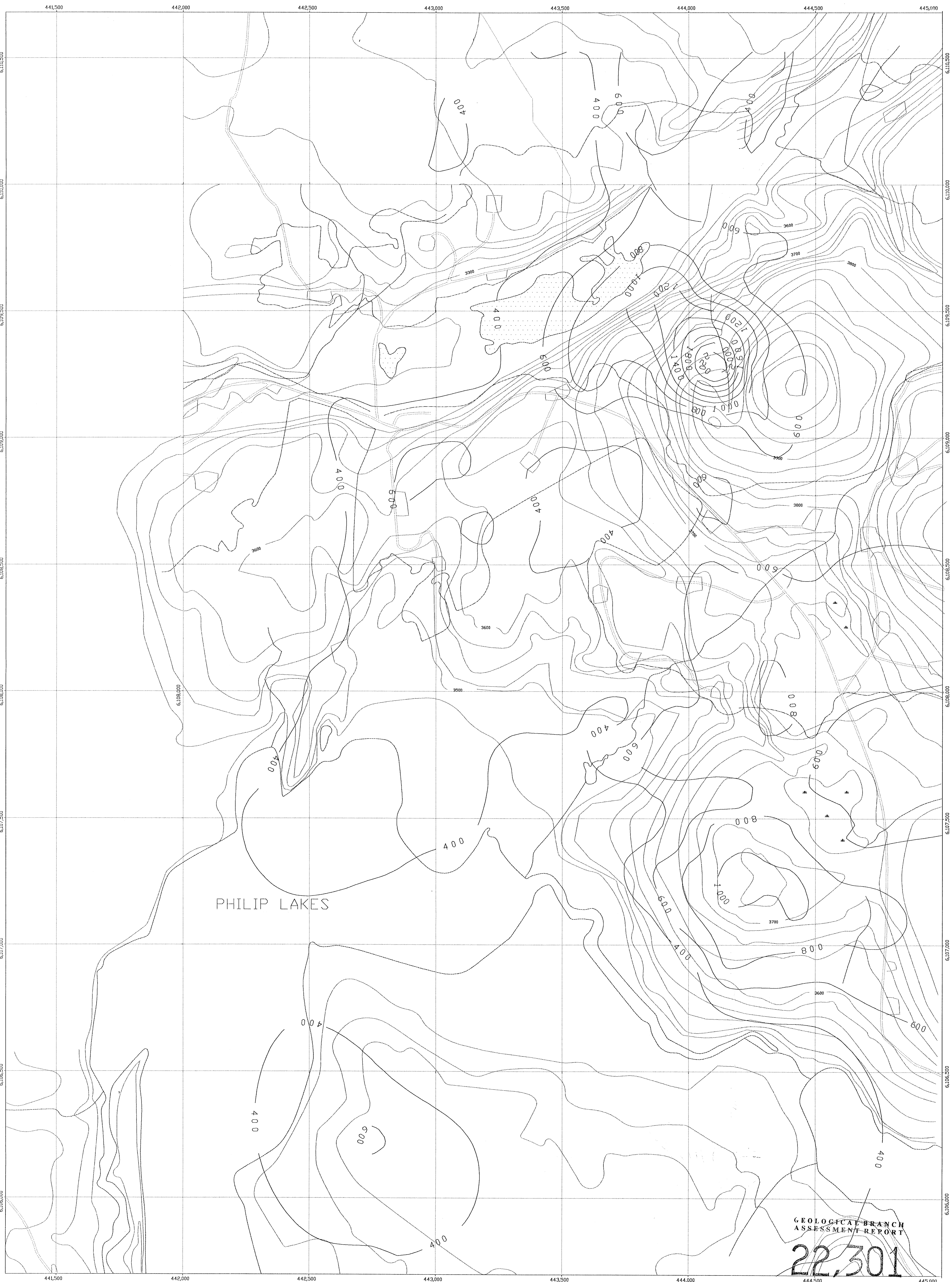


UTM NORTH IS 437 MET. WEST OF TRUE NORTH

DATA PLOTTED ON THIS MAP:
DIRECTORY: EXPL/PHILIP/PHILK
RUN FILE: PHIL-10P.RUN
FIELD FILE: CHARGE.GRD
+ CONTOURS: CHA

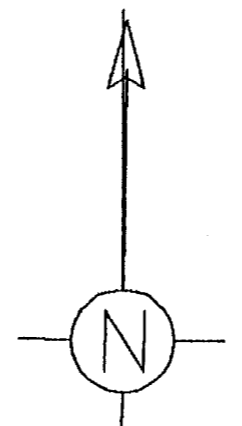


PLACER DOME INC.	
PHILIP LAKE GRID	
10 POINT FILTER CHARGEABILITY	
DRAWN: PPA	NDI: Phil-lp.dwg
DATE: 920401	Figure No. 8
SCALE: 1:5000	



PHILIP LAKES

GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,301

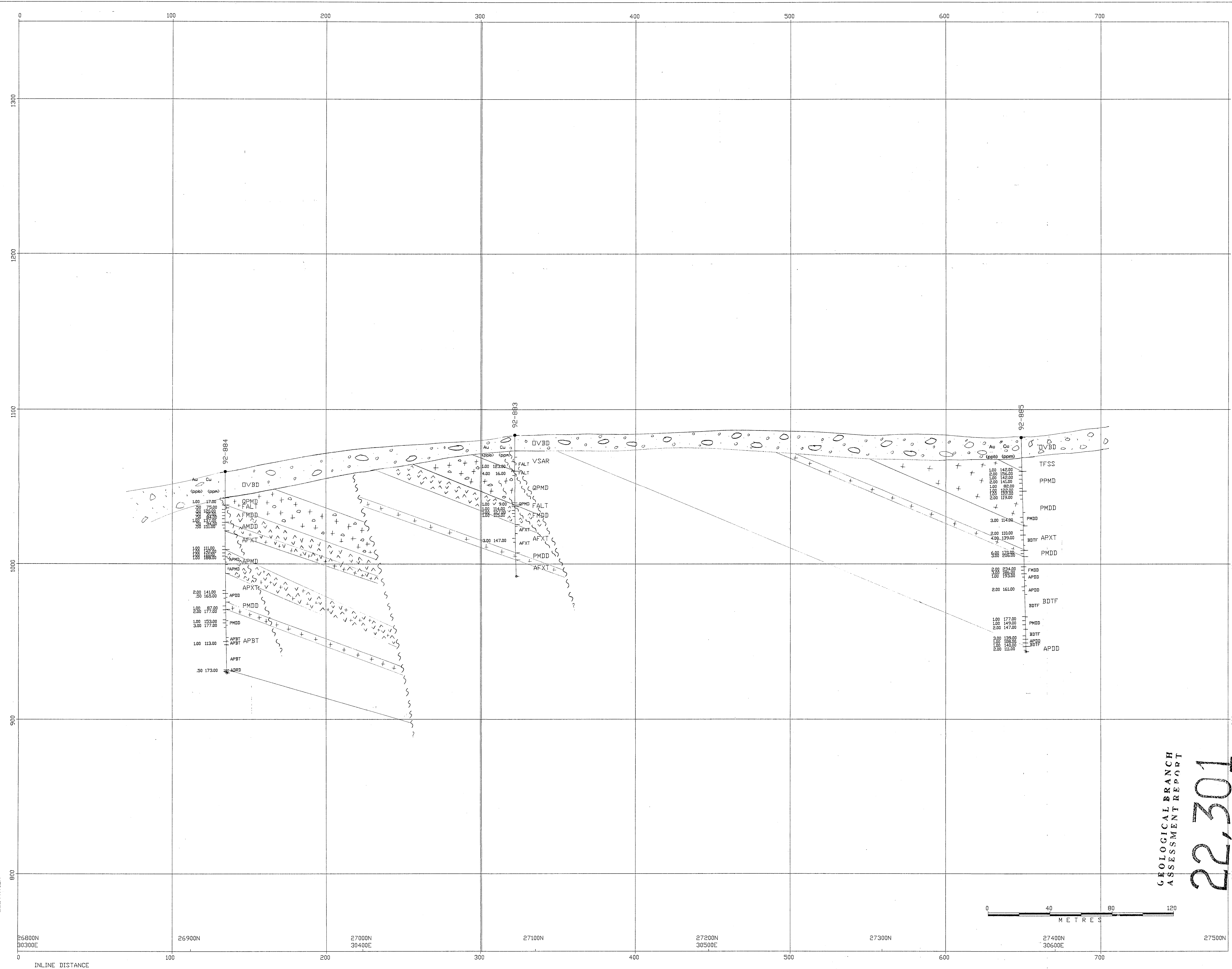


UTM NORTH IS 437 MM WEST OF TRUE NORTH

DATA PLOTTED ON THIS MAP:
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RAW FILE: PHIL-RESURV-CPHIL-IP-PLIND
FIELD FILE: RES
FILE RES.GRD



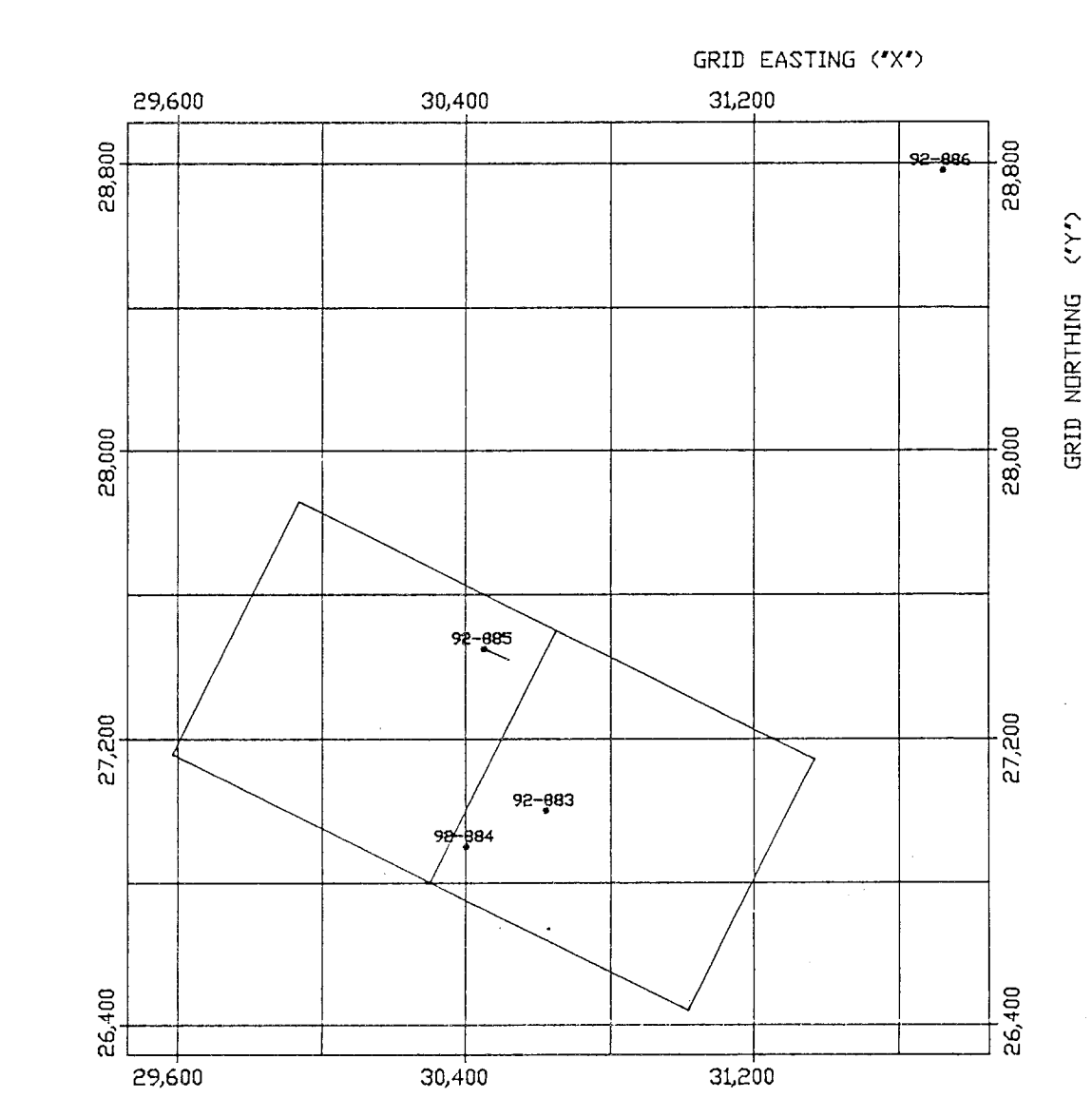
DRAWN PPA		PLACER DOME INC.	
DATE 92/04/01		PHILIP LAKE GRID	
SCALE 1:5000		10 POINT FILTER RESISTIVITY	
NO. PHIL-IP-249		Figure No. 9	



GEOLOGIC LEGEND

- FMDD = FINE-GRAINED PLAG. MONZODIORITE MINERALIZED DYKE
- QPMD = QUARTZ PLAG. MONZODIORITE PORPHYRY
- AMDD = UNMINERALIZED AUGITE MONZODIORITE PORPH. DYKE
- AFXT = FINE-GRAINED CHLORITIZED ANDESITIC CRYSTAL TUFF
- APXT = AUGITE PLAG. CRYSTAL TUFF
- PMDD = COARSE PLAG. MONZODIORITE PORPH. DYKE
- APMD = AUGITE PLAG. MONZODIORITE PORPHYRY
- ARD = AUGITE PORPH. DIORITE DYKE
- APDD = AUGITE PLAG.+ HORNBLENDE PORPH. DIORITE DYKE
- TFMS = TUFFACEOUS MUDSTONE
- TFSS = TUFFACEOUS SILTSTONE
- PPMD = CROWDED PLAG. PORPH MONZODIORITE
- APVF = AUGITE PORPH. VOLCANIC FLOW
- BDTF = BEDDED TUFF
- BDSS = BEDDED SILTSTONE
- VSAR = LAMINATED GRAPHITIC SILTSTONE-MUDSTONE
- APBT = CHLORITIZED AUGITE PLAG. PORPH. BEDDED TUFF
- FALT = FAULT
- DVBD = OVERBURDEN

AU (PPB)
CU (PPM)



LOCATION OF THIS CROSS-SECTION
 XL YL XR YR
 30300. 26800. 30650. 27500.
 FRONT BACK ZT ZB
 800. 800. 1300. 800.
 LOOKING NW

DIRECTORY: *EXPL/PHILIP/GEOLG
 DATA FILE: *EXPL/PHILIP/GEOLG/DHLIST1

POSTED DATA
 ASSAYS DR RUCK TYPEQUAL/TYP
 AU CU RI PGI QMI

PLACER DOME INC.
 PHILIP LAKE PROJECT
 DIAMOND DRILL HOLES
 1992 SECTIONS

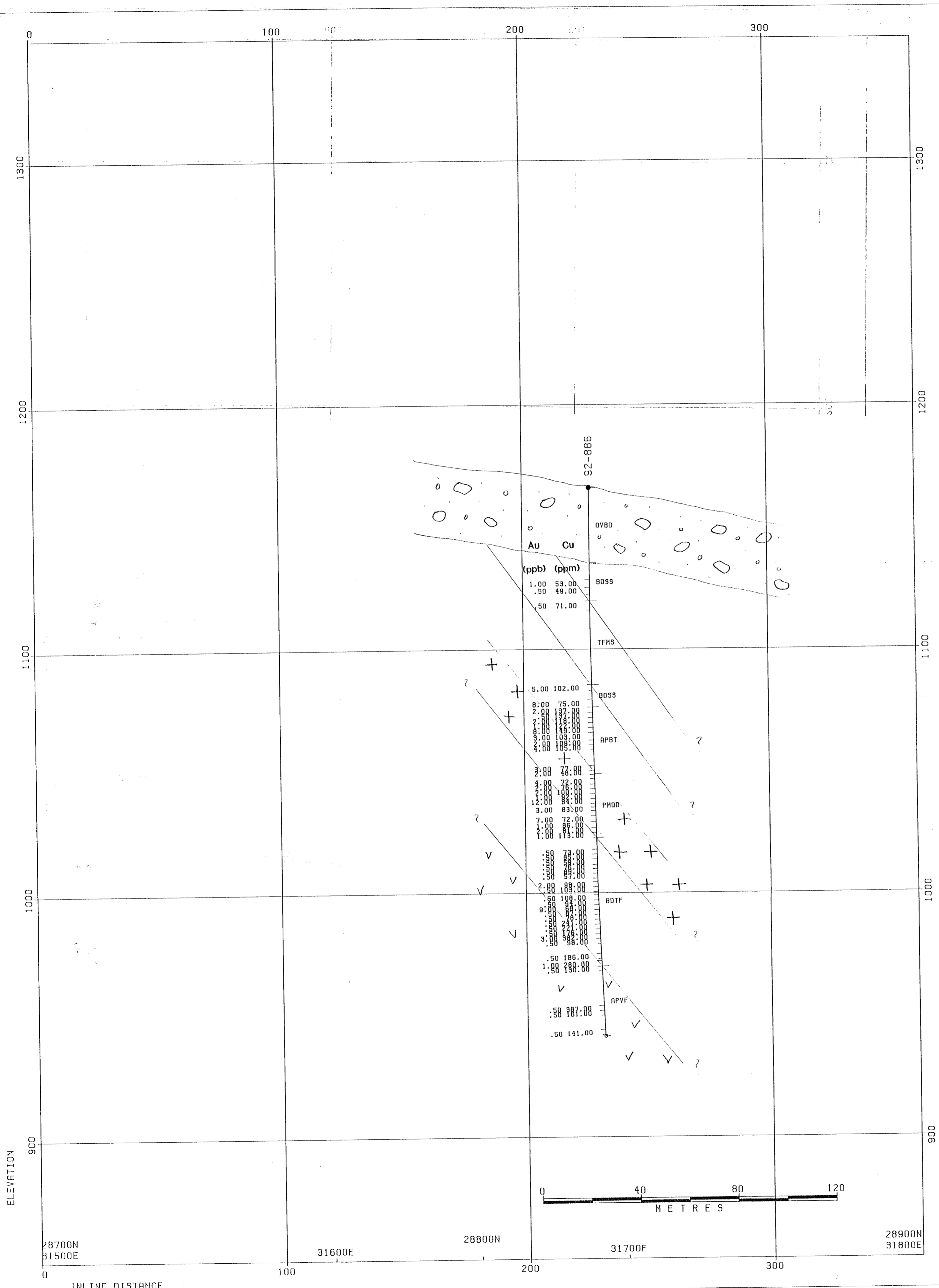
DRAWN	PDT
DATE	92/03/09
SCALE	1:1000

IND. Figure 10A

GEOLOGICAL BRANCH
 ASSESSMENT REPORT
22,301

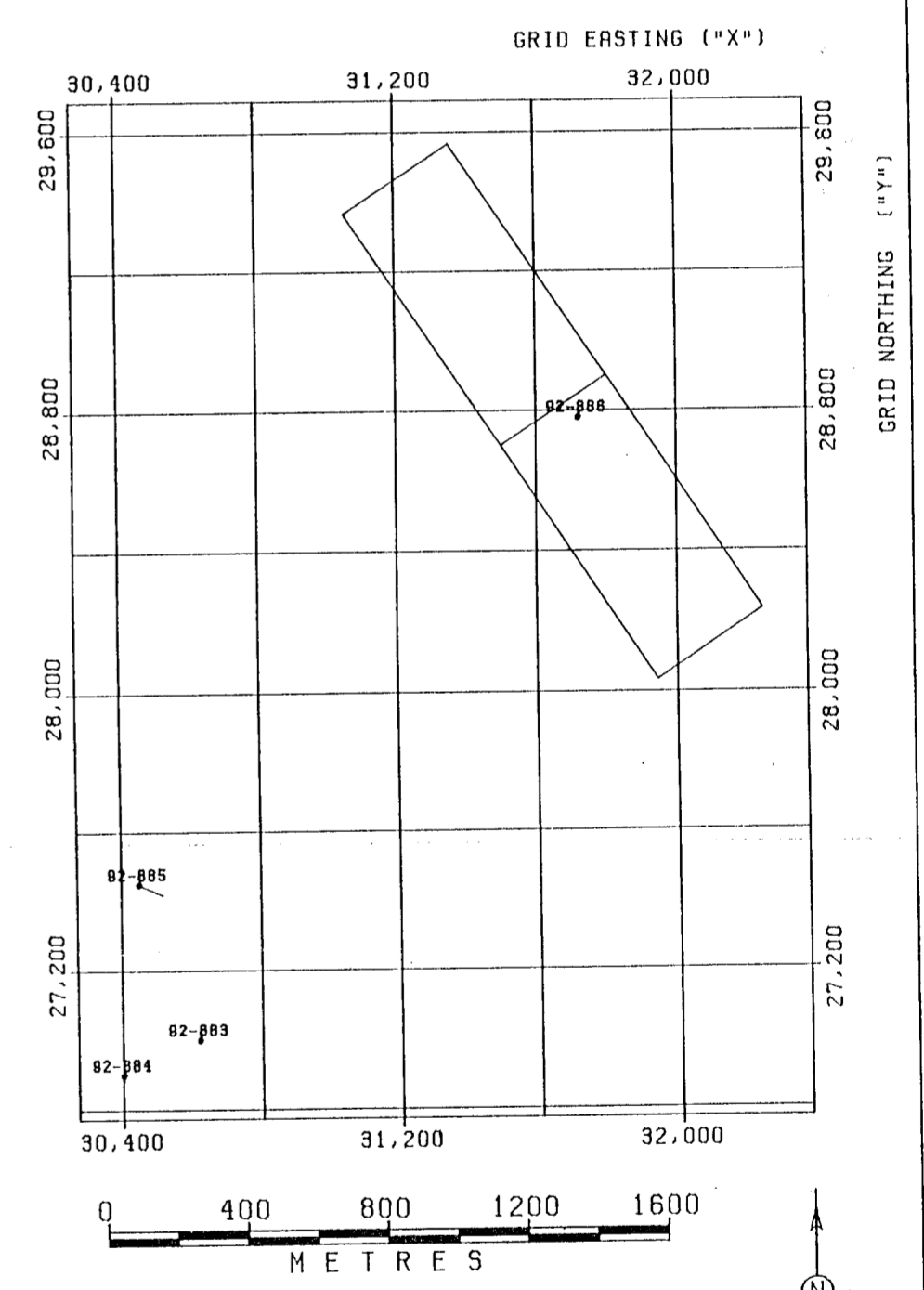


ELEVATION: 800, 900, 1000, 1100, 1200, 1300
 INLINE DISTANCE: 0, 100, 200, 300, 400, 500, 600, 700
 26800N 30300E, 26900N 30400E, 27000N 30500E, 27100N 30600E, 27200N 30700E, 27300N 30800E, 27400N 30900E, 27500N 31000E



GEOLOGIC LEGEND

- FMDD = FINE-GRAINED PLAG. MONZODIORITE MINERALIZED DYKE
- QPMO = QUARTZ PLAG. MONZODIORITE PORPHYRY
- AMDD = UNMINERALIZED AUGITE MONZODIORITE PORPH. DYKE
- AFXT = FINE-GRAINED CHLORITIZED ANDESITIC CRYSTAL TUFF
- APXT = AUGITE PLAG. CRYSTAL TUFF
- PMDD = COARSE PLAG. MONZODIORITE PORPH. DYKE
- APMD = AUGITE PLAG. MONZODIORITE PORPHYRY
- ADRD = AUGITE PORPH. DIORITE DYKE
- APDD = AUGITE PLAG. +/- HORNBLENDE PORPH. DIORITE DYKE
- TFMS = TUFFACEOUS MUDSTONE
- TFSS = TUFFACEOUS SILTSTONE
- PPMD = CROWDED PLAG. PORPH MONZODIORITE
- APVF = AUGITE PORPH. VOLCANIC FLOW
- BDTF = BEDDED TUFF
- BDSS = BEDDED SILTSTONE
- VSAR = LAMINATED GRAPHITIC SILTSTONE-MUDSTONE
- APBT = CHLORITIZED AUGITE PLAG. PORPH. BEDDED TUFF
- FALT = FAULT
- OVBD = OVERBURDEN
- AU (PPB)



LOCATION OF THIS CROSS-SECTION

XL	YL	XR	YR
31500.	28700.	31800.	28900.
FRONT	BACK	ZT	ZB
800.	800.	1300.	900.

LOOKING NW

DIRECTORY: 8EXPL/PHILIP/GEOLOG
 DATA FILE: 8EXPL/PHILIP/GEOLOG/DHLIS

POSTED DATA
 ASSAYS OH ROCK TYPE
 AU CU PGI

PLACER DOME INC.
PHILIP LAKE PROJECT
DIAMOND DRILL HOLE
1992 SECTION

DRAWN	PDT
DATE	92:03:10
SCALE	1:1000
NO.	

Figure 10B

GEOLOGICAL BRANCH ASSESSMENT REPORT

22/301