Diamond Drilling

Assessment Report

for the

Milligan 1, 2, 4, 5

Mineral Claims

Omineca Mining Division

NTS 93 N/1

Latitude 55°08' N, Longitude 124°04' W

Owned by:

Placer Dome Inc.
1440 Hugh Allan Drive
Kamloops, BC
V1S 1L8

March, 1992

Lorne Warner, B.Sc., Geol.
Paul Turnbull, B.Sc., Geol.

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1.0 SUMMARY

The 1991 exploration program consisted of 3 diamond drill holes, with pertinent corelogging duties, associated sampling and interpretation.

These exploratory holes, totalling 807.9 m were drilled in the Heidi Target Area of the Mt. Milligan property. The program objective was to test the economic potential of coincident induced polarization chargeability and magnetic anomalies.

The main rock types encountered were pyroxene porphyry flows and tuffs, cut by steeply dipping mafic monzonite dykes. Massive pyrrhotite, with lesser pyrite and minor chalcopyrite was found in the western-most hole. The other holes intercepted very weak sulphide systems, with moderate propylitic alteration. No economic intervals were located.

2.0 CONCLUSIONS

Based on the three drill holes completed in the Heidi Target Area the following conclusions have been made:

(i) The induced polarization, chargeability anomaly which flanks a magnetic high may still represent an intrusive body surrounded by hydrothermally altered and mineralized Heidi Sequence volcanics and sediments.

(ii) The intrusive dykes and bodies are the crowded monzo-diorite 'MBX Type' located in both the Southern Star and Milligan Deposits.

(iii) Hole 91-879 contained over 100 metres of disseminated to semi-massive pyrrhotite with lesser pyrite and chalcopyrite. The presence of pyrrhotite implies that the Heidi Target is probably the deeper continuation of the Milligan porphyry system.

3.0 RECOMMENDATIONS

Due to the fact that the Heidi Sequence is nearly vertically dipping whereas the intrusive stock is thought to be gently dipping to the west, an east-west fence of at least three diamond drill holes inclined to the east is recommended in the area of hole 91-879 . Further drilling, in the immediate area, would be determined from the results of these three holes.

4.0 INTRODUCTION

An exploratory drilling program on the Phil 12 claim (the Heidi Lake Target, adjoining the Milligan claims) was initiated due to the occurrence of similar geophysical signatures as the nearby Mt. Milligan deposits. This Heidi Lake Target was relatively unexplored prior to the summer 1991 program, largely because of the extensive glacial overburden and lack of outcrop. This area contained excellent geologic potential for a low-grade, bulk tonnage porphyry deposit. Also, economic barriers to develop such an area could be overcome due to its proximity to the proposed Mt. Milligan mine site.

5.0 PROJECT DEFINITIONS

5.1 Objectives

The Phil and Milligan claims are of special interest because of their proximity to the Mt. Milligan porphyry copper/gold deposits. The main objective of the 1991 summer exploration program was to determine the significance of an airborne magnetic high with a peripheral chargeability anomaly. A wide fence of diamond drill holes across the coincident part of the mag/IP anomalies would theoretically intercept any porphyry-style mineralization.

5.2 1991 Summer Field Program

LDS Diamond Drilling Ltd., completed a small program north of Heidi Lake in the Mt. Milligan area, between Sept. 3 and Sept. 12, 1991.

The drill program consisted of 3 NQW-sized diamond drill holes, totalling 807.9 m. Core samples were always collected, and sludges were sampled whenever possible. The single drill rig and sloop were dragged between sites with a D-7 CAT. Water was double-stage pumped for a distance of one kilometre from Heidi Lake. Core was trucked to camp after each 12 hour shift.

Geological logging of each hole occupied about 3 man-days, using the Geolog system. Geotechnical work and core-splitting employed roughly 4 man-days per hole. Photographs were taken of all core, both wet and dry. Computer work, data entry and administrative tasks took approximately 2 man days per hole. All drill sections were plotted and interpreted in the field.

5.3 Location and Access

The Phil and Milligan claims are located at latitude 55°08' north and longitude 124°04' west in the Omineca Mining Division approximately 150 km northwest of Prince George, British Columbia (Figure 1).

Access to the property from Prince George or Mackenzie is via Highway 97 to Windy Point. From Windy Point an all weather main-line logging haulage road provides excellent access to the Mt. Milligan camp. The Phil claims can be accessed via a new road going northwest of the central Heidi Lake area.

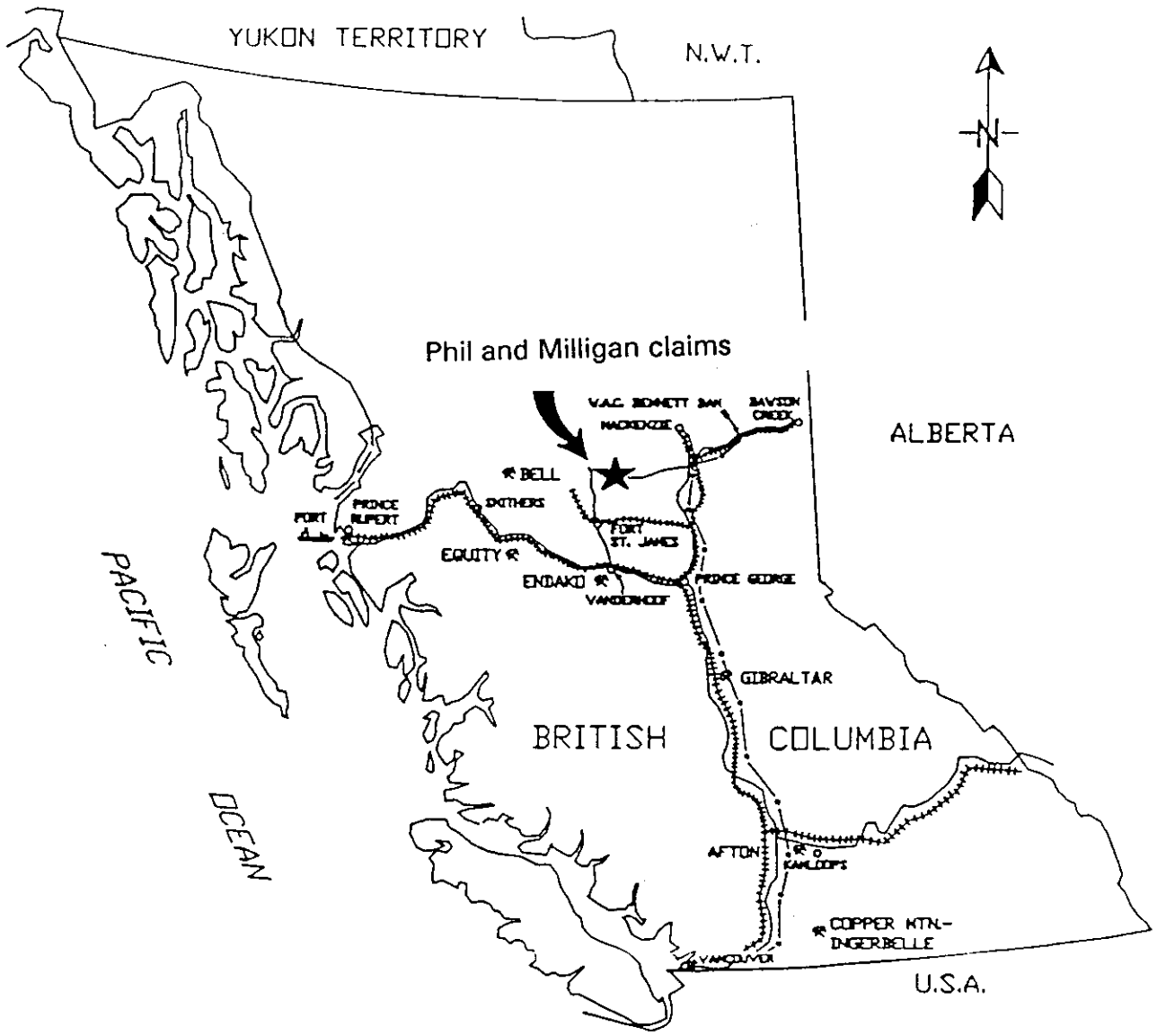
5.4 Physiography

The Phil and Milligan claims are situated within the Nechako Plateau near the southern limits of the Swannell Range of the Omineca Mountains. The property is amidst a chain of north-south trending peaks, Mt. Milligan being the highest (1,508 metres) and most northerly peak. The MBX and Southern Star deposits are approximately 8.0 kilometres south of Mt. Milligan on the eastern flank of the chain at an elevation of 1,100 m, where the relief becomes subdued. The Phil and Milligan claims range from 1100 m to 1300 m elevation, containing approximately 40% swampland, and less than 5% outcrop.

At one point in time, the Nechako Plateau was covered by the Cordilleran Ice Cap which moved northeast from the Coast Range towards the Rocky Mountains near Mcleod Lake. This glacial event resulted in the formation of drumlins, flutings, eskers and meltwater channels. The Phil claims drain into Heidi Lake, while most of the Milligan claims drain into Mitzi Lake, and eventually the Nation River.

5.5 Property Status

The Phil and Milligan mineral claims comprise 92 units in total (Figure #2), which are situated within the Omineca Mining Division of British Columbia. All of these claims are owned by Continental Gold Corp., which is wholly-owned by Placer Dome Inc. It should be noted that the Phil 12 claim, where the drilling occurred, was grouped with the Milligan 1, 2, 4 and 5 claims in February, 1992. Table 1 lists the claims for which assessment costs are being applied and their new expiry dates.



LEGEND

— ROAD
+++ RAILWAY
-•- MAJOR POWER LINE
PRODUCING PORPHYRY MINES

PLACER DOME INC.

Figure 1

PROPERTY LOCATION MAP

100 200 0 100 200 300
KILOMETRES

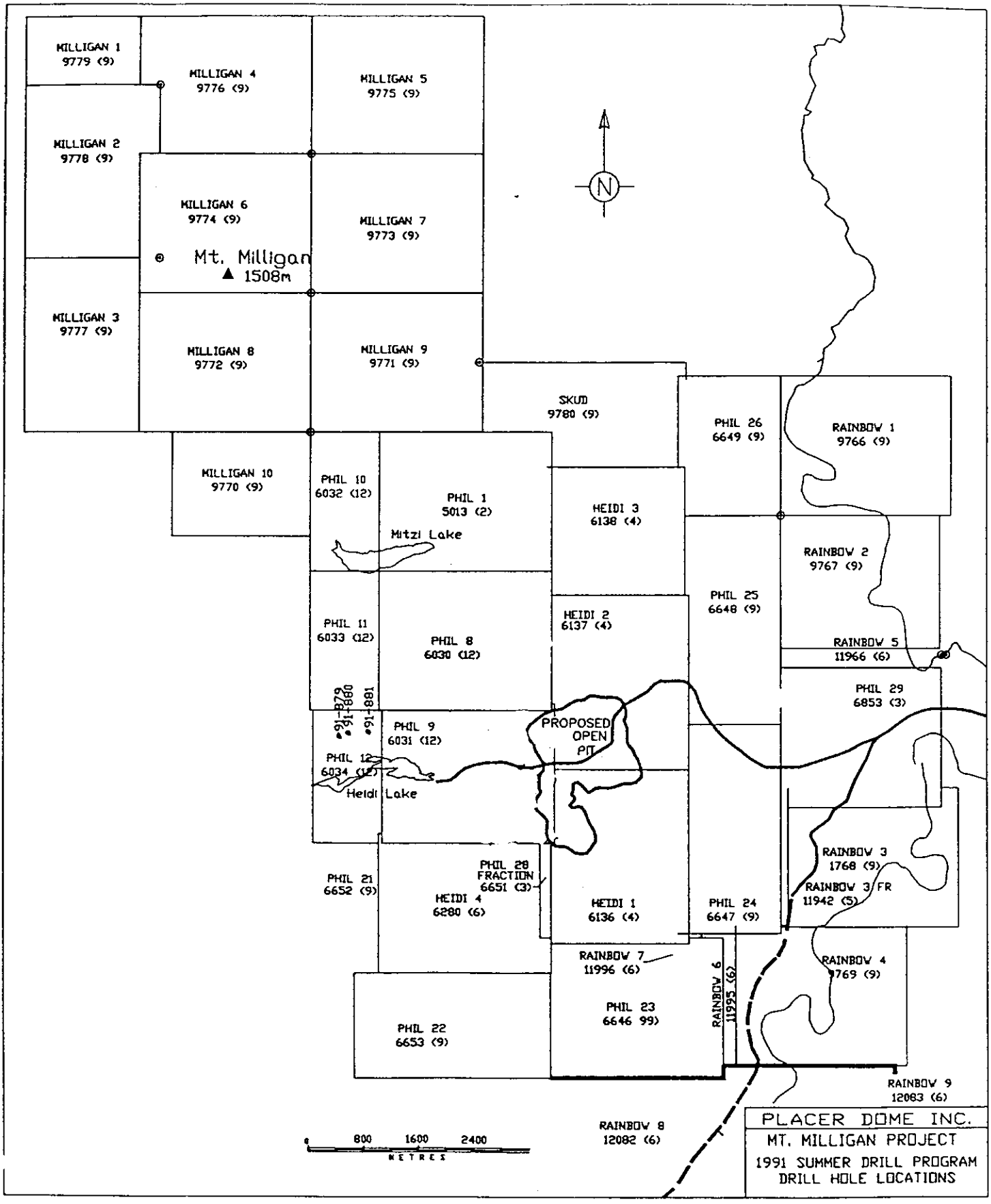

MILLIGAN 1
9779 (9)
MILLIGAN 4
9776 (9)
MILLIGAN 5
9775 (9)
MILLIGAN 2
9778 (9)
MILLIGAN 6
9774 (9)
MILLIGAN 7
9773 (9)
Mt. Milligan
1508m
MILLIGAN 3
9777 (9)
MILLIGAN 8
9772 (9)
MILLIGAN 9
9771 (9)
SKUD
9780 (9)
PHIL 26
6649 (9)
RAINBOW 1
9766 (9)
MILLIGAN 10
9770 (9)
PHIL 10
6032 (12)
PHIL 1
5013 (2)
HEIDI 3
6138 (4)
Mitzi Lake
RAINBOW 2
9767 (9)
PHIL 25
6648 (9)
PHIL 11
6033 (12)
PHIL 8
6030 (12)
HEIDI 2
6137 (4)
RAINBOW 5
11966 (6)
91-879
91-880
91-881
PHIL 29
6853 (3)
PHIL 9
6031 (12)
PROPOSED
OPEN
PIT
PHIL 12
6034 (12)
Heidi Lake
RAINBOW 3
1768 (9)
RAINBOW 3 FR
11942 (5)
PHIL 21
6652 (9)
PHIL 28
FRACTION
6651 (3)
HEIDI 4
6280 (6)
HEIDI 1
6136 (4)
PHIL 24
6647 (9)
RAINBOW 7
11996 (6)
RAINBOW 4
9769 (9)
RAINBOW 6
11995 (6)
PHIL 23
6646 99)
PHIL 22
6653 (9)
RAINBOW 9
12083 (6)
RAINBOW 8
12082 (6)
800
1600
2400
METRES
PLACER DOME INC.
MT. MILLIGAN PROJECT
1991 SUMMER DRILL PROGRAM
DRILL HOLE LOCATIONS

figure 2

TABLE 1

Claim Name	Number of Units	Record #	Expiry Date
Milligan 1	8	240125	1997/09/09
Milligan 2	20	240124	1997/09/07
Milligan 4	20	240122	1997/09/07
Milligan 5	20	240121	1997/09/07

Note ! The first two holes (91-879, 91-880) were drilled prior to Sept. 7, 91, which was the anniversary date of the Milligan claims for which assessment costs are to be applied. Therefore only costs incurred after Sept. 7, which covers the drilling of hole 91-881, plus corelogging and sampling of all 3 holes have been applied to assessment costs.

6.0 EXPLORATION HISTORY

The first record of exploration activity occurred in 1937 when a prospector, George Snell found gold bearing float south-west of Mitzi Lake. George Snell did not stake the area until 1945 and never found the source of the gold-bearing float.

Pechiney Development Ltd. staked the Mosquito 1-10, 2 post claims on August 4, 1972. Pechiney drilled 5 diamond drill holes in 1973 in order to evaluate induced polarization, chargeability and copper soil geochemical anomalies. No significant mineralization was intercepted and the claims were allowed to lapse.

In 1983, Selco Inc., which amalgamated with BP Resources in 1984, staked 3 claims totalling 60 units in the same area covered by Pechiney. The claims were staked on the basis of a preliminary survey that indicated the area to contain potential alkaline related copper-gold porphyry mineralization.

Richard Haslinger staked the Heidi claims in 1984, along the eastern flank of the BP claims, in order to cover a copper prospect he discovered in 1983. BP subsequently optioned Richard Haslinger's ground and staked the PHIL 21-29 claims. BP in 1984 and 1985 carried out geological, soil geochemical, magnetic and induced polarization surveys and a small backhoe trenching program. Within this time frame, two auriferous, polymetallic, multiple vein systems and a weak copper-gold porphyry system were identified.

Lincoln Resources Inc. entered into an option agreement with BP on April 21, 1986 but did not begin exploration of the property until September, 1987. It was this exploration program that found the MBX Zone in drill hole 87-12.

On July 31, 1988, Lincoln Resources reorganized to become United Lincoln Resources Inc. which amalgamated with Continental Gold Corp. on March 15, 1989. Meanwhile delineation of the Milligan deposit continued and on July 12, 1989, hole 89-200 discovered the Southern Star Deposit.

Diamond drilling continued on the property from January to September, 1990 at what time Placer Dome Inc. acquired BP's interest in Mt. Milligan and a controlling interest in Continental Gold Corp. Placer Dome resumed the diamond drilling program in November, 1990 and continued until February 1991, with most of the drilling focused on the Southern Star Deposit.

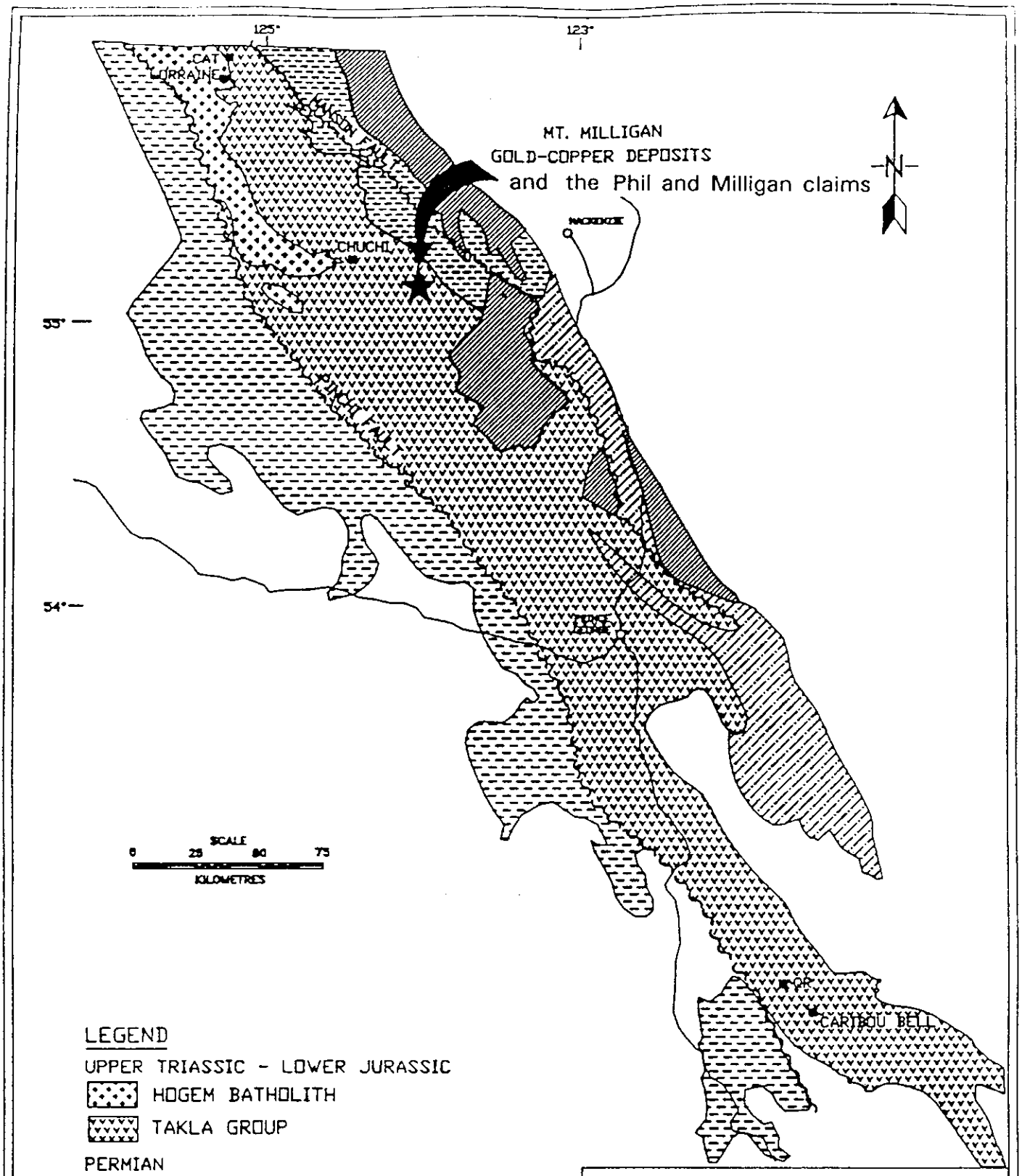
7.0 REGIONAL GEOLOGY

The Mt. Milligan property is situated within the early Mesozoic Quesnel Terrane that trends north-northwest, extending from the 49th Parallel to the Yukon. Quesnel Terrane includes volcanic and sedimentary rocks of the upper Triassic to lower Jurassic Takla and Nicola Groups with Takla volcanic rocks being the majority on the Mt. Milligan claims. Also present on the claims are Eocene-Oligocene volcanics and sedimentary rocks, located in fault-bounded early Tertiary basins.

The Takla Group comprises the Rainbow Creek, Inzana Lake, Witch Lake and Chuchi Lake Formations (Nelson et al., 1991). Slate, and lesser siltstone and epiclastic sedimentary rocks form the Rainbow Creek Formation. The overlying Inzana Formation contains epiclastic sedimentary rocks, overlain by augite porphyritic volcanics and pyroclastic rocks of the Witch Lake Formation. These rocks grade upward into polymictic lahars and subaerial flows of the Chuchi Lake Formation.

The Takla Group on the Mt. Milligan property is intruded by several coeval alkalic intrusions, resulting in gold-copper porphyry mineralization.

In 1991, Athol Sutherland-Brown produced a regional map of the Mt. Milligan area. He divided the property into Heidi Lake sequence volcanic sediments and Mitzi Lake sequence lapilli tuffs, crystal tuffs and tuff breccias, having fairly large augite phenocrysts (up to 3 cm). The contact strikes northwest through the Mt. Milligan camp. Therefore, much of the Milligan and Phil claims fall within the Heidi Lake sedimentary sequence. It was found through mapping and drillhole data that these sediments are interspersed with volcanic tuffs, breccias and flows, usually having very small augite phenocrysts (less than 2 mm). It should be noted that the MBX and Southern Star deposits



PLACER DOME INC
Phil and Milligan claims
REGIONAL GEOLOGY
Fig. 3 | 93 N/1W

formed within the upper Witch Lake formation (183 Ma), referred to as the Mitzi Lake tuff breccias by Sutherland-Brown. The Heidi Lake sediments represent the lower Witch Lake Formation, which was a much more quiescent period than the explosive volcanic rocks of the Mitzi Lake formation.

Regionally the Takla volcanics and sediments are metamorphosed to a green-schist facies resulting in minor chloritic alteration and trace amounts of pyrite. Well developed potassic and propylitic alteration assemblages occur around the MBX-type monzonite intrusions.

8.0 Diamond Drilling - 1991

8.1 Results

Holes 91-879 to 881 were drilled in the Heidi Target Area and to test chargeability anomalies surrounding a large magnetic high. Drill hole 91-879 intercepted a pyroxene porphyry flow with an extensive sulphide system containing up to 20% pyrrhotite, 5% pyrite and 1% chalcopyrite, however there was no gold in this part of the system. Holes 91-880 and 881 intercepted weak sulphide systems with only trace amounts of chalcopyrite observed. No economic intervals were located.

Drill hole 91-879 is located on the south-western flank of the Heidi Lake induced polarization chargeability anomaly. The hole intercepted an augite porphyry, andesitic flow with considerable pyrrhotite and lesser pyrite and chalcopyrite mineralization throughout most of its length of 358.7 m. The hole was stopped in mineralization. Chalcopyrite concentration was mainly of minor to subeconomic grade.

Drill hole 91-881 was drilled in what was thought to be the centre of a large intrusive body, as suggested by the magnetometer and induced polarization surveys. However, the hole intercepted mainly Heidi Lake sequence tuffs to lapilli tuffs. No economically significant mineralization was encountered.

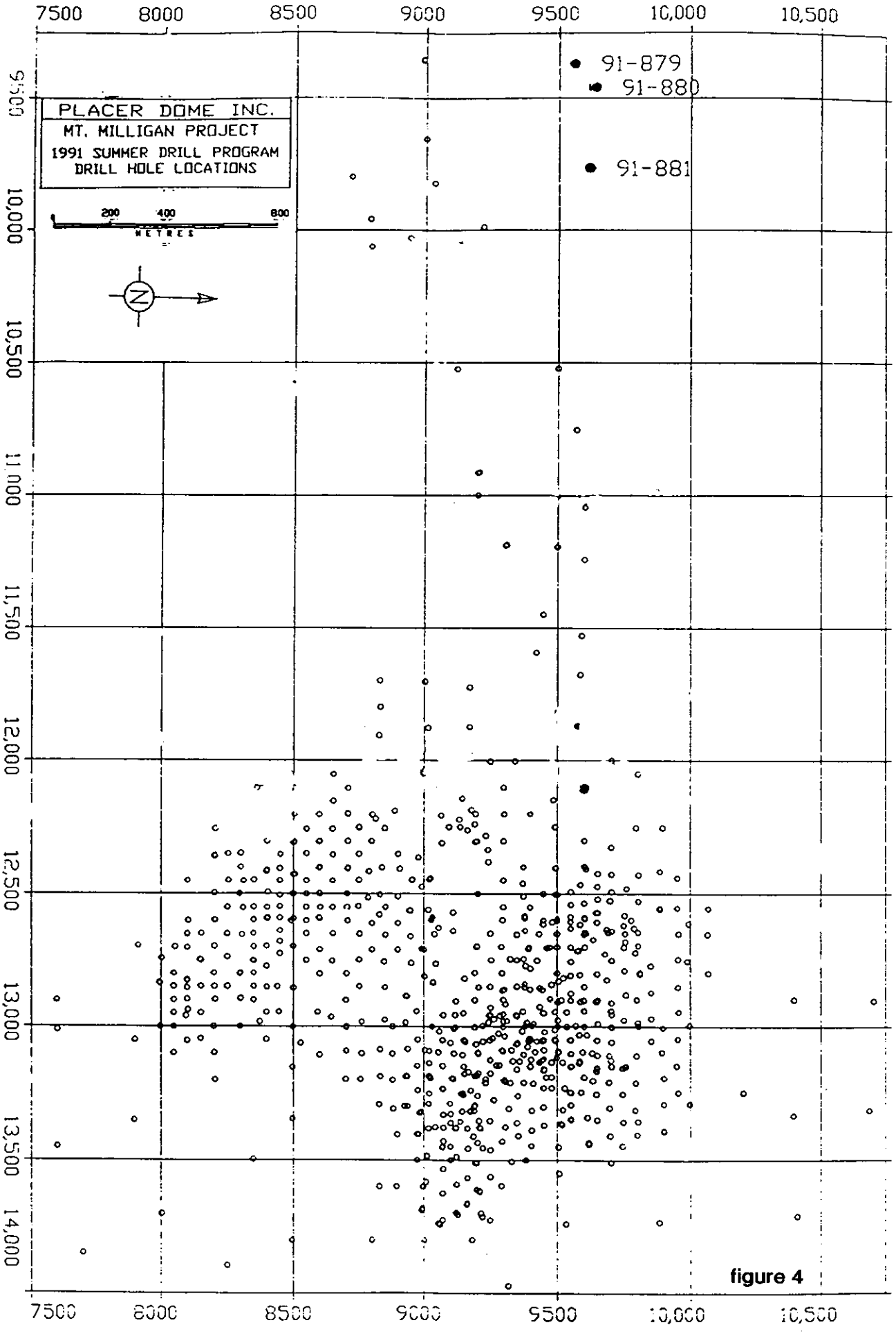

PLACER DOME INC.
MT. MILLIGAN PROJECT
1991 SUMMER DRILL PROGRAM
DRILL HOLE LOCATIONS
200 400 800
METRES
N
91-879
91-880
91-881
7500
8000
8500
9000
9500
10,000
10,500
9500
10,000
10,500
11,000
11,500
12,000
12,500
13,000
13,500
14,000

figure 4

8.2 Sampling Procedures

Drill core was logged by geologists at the Mt. Milligan campsite. Logging was done using a Placer Dome derivative of the Geolog system. Copies of drill logs are included in Appendix II. Photographs were taken of all core. Geotechnical information was recorded by technicians prior to sampling.

The core was assayed for copper and gold (Appendix III), with sample intervals left to the discretion of the geologist responsible for logging. Sample intervals were generally 2.0 m, but varied when constrained by changes in lithology, alteration or mineralization.

Core samples consisted of half of the core from the sample interval. The core was split down the long axis, using manual core-splitters. Samples were placed in doubled-up polyethylene bags with a numbered assay tag in each bag. Samples were then boxed and sent to the Placer Dome Research Centre in Vancouver where they were analyzed for copper and gold. Analytical techniques and detection limits are listed on page 12

Sludge samples were collected at 3.05 metre intervals, whenever circulation of the muddy drill water was adequate. A 7.6 centimetre diameter sludge splitter was used. Samples were dried and sent to the Placer Dome lab in Vancouver for a 30 element ICP geochemical analysis. Results can be found in Appendix IV.

9.0 STATEMENT OF EXPENDITURES

Personnel: Salary and Benefits

L. Warner, Geologist 10 days @ 390/day	3 900.00
P. Turnbull, Geologist 10 days @ 305/day	3 050.00
J.F. Metail, Geologist 9 days @ 305/day	2 745.00
R.MacGuillvary, Geologist 5 days @ $305	1 525.00
S. Knight, Geotech 10 days @ 235/day	2 350.00
R. Krauss, Geotech 10 days @ 235/day	2 350.00
G. Demers, Geotech 10 days @ 235/day	2 350.00
E. Reimer, Secretary 10 days @ 175/day	1 750.00
O. Dodd, Cook 10 days @ 235/day	2 350.00
M. Saunders, Bull Cook 10 days @ $175	1 750.00

Transportation

2 4x4 trucks, 10 days @ 40/truck/day	800.00
gas	800.00

Drilling

hole 91-881, total of 230.7m @ 44/m (see * note, p.6)	10 150.00

Analysis

275 drill core samples, Au, Cu Geochem @ 10.25/sample	2 819.00
162 sludge samples, 30 element @ 13.00/sample	2 106.00

Freight

Canadian Freightways, 60 boxes	600.00

Report Preparation

P. Turnbull, geologist 2 days @ 235/day	705.00
L. Warner, geologist 1 day @ 305/day	305.00

TOTAL	$42 405.00

10.0 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:

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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 Phil 12 claim, located in the Omineca Mining District.

Respectfully Submitted by:

Lorne M. Warner, B.Sc.

PLACER DOME INC.
Project Geologist

Date:

11.0 ANALYTICAL TECHNIQUES AND DETECTION LIMITS

Placer Dome Research Centre, Vancouver, BC

Element	Wt(g)	Attack	Time	Range	Method
Au (ppb)	10.0	Aqua Regia	3 hrs	5-4000	A.A. Solvent Extraction
Cu (ppm)	0.5	$HCLO_4/HNO_3$	4 hrs	2-4000	Atomic Absorption

Appendix I

Geolog Legend

Geolog Legend

Rocktypes (upper tier columns 24-27):

Graph Log Code	Rock Code	Rock Type
	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

[illegible] (columns 57-80, and Graphlog):

clean copy required

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

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
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FU	fuchsite:green sericite
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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.

Code	Assigned Value	Range
?	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°).

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

Appendix II

Drill logs

```
IDEN6B0201   28091-879    NQ02SEP91JFM    LDSSEP91S38      GRD  0.00
IPRJ           PLACER DOME INC.              MT. MILLIGAN - OTHER
S000      0 16760MT  358.70  0.00-90.00              9550.00   9375.00   1220.00
S001 16760 33870    358.70  0.00-89.50
S002 33870 35870    358.70  0.00-89.50
/NAM                                                    MSBIE:C:P1C1BOHEG:LIXXYY
LNAM                                                    KFQZCBABP2C2MG  CUM:XXYY
/SCL         MT.2PC.0
LSCL              PC.0        LCTM
A004
AUMM                          MAGSUS
RASY
ALAB
ATYP
AMTH
P         0  2960        OVBD
P      2960  3155        CASE
KOXD   5250  5250
R                 BASE OF SUPERGENE OXIDE ZONE AS DETERMINED BY LIMONITE
R                 ALTERATION ON FRACTURES.
P      3155 13278        AFHL                  1312                P=V*              PO
L                                              0222              V-  P=U)D-          O)
R                 PYROXENE ANDESITE PORPHYRY FLOW:
R                 MED. GRAY TO LT. COLOURED ROCK WITH MILKY WHITE SPOTS CAUSED BY
R                 PLAGIOCLASE FELDSPAR AND DEEPER GRAY SPOTS CAUSED BY PYROXENE
R                 PORPHYRY. THE MATRIX IS FINE GRAINED TO APHANITIC AND CONSIST
R                 MOSTLY OF PLAGIOCLASE FELDSPAR (60%) WITH A PROBABLE 40%
R                 PYROXENE. THERE IS VERY LITTLE K-FELDSPAR AS THE ROCK DOES NOT
R                 STAIN EXCEPT OF SOME MICROVEINS. AN ALBITE ALTERATIONS OF THE
R                 MATRIX RENDERS ITS TEXTURE VERY HARD TO SEE (THUS APHANITIC).
R                 PORPHYRY ARE ENTIRELY OF PYROXENE (AUGITE) RANGING IN SIZE FROM
R                 1.1CM TO 0.5MM. IN DIAMETER. THEY ARE SUBHEDRAL ALTHOUGH ABOUT
R                 20% OF THEM EUHEDRAL. PORPHYRY MAKES UP 35% OF THE ROCK AND
R                 MATRIX 65%. ALTERATION CONSIST OF ALBITE FLOODING (RESULTING IN
R                 PREFERENTIAL SPOTTY ALTERATION: I.E. WHITE HAZY WHITE SPOTS),
R                 EPIDOTE/CHLORITE PERVASIVE ALTERATION AND A NUMBER OF VARIED
R                 VEINS OF CARBONATE, PLAGIOCLASE AND QURTZ, RESULTING OF
R                 BLEACHING OF SURROUNDING ROCK. MINERALIZATION IS VARYING LOCALLY
R                 AND THEREFORE DITTO INTERVALS WILL INDICATE A MORE PRECISE
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R                MINERALIZATION % HOWEVER, GENERALLY SPEAKING, THERE IS A STRONG
R                PYRRHOTITE MINERALIZATION, PYRITE IS ALSO FOUND, MOSTLY IN
R                VEINLETS AND DISSEMINATED CHALCOPYRITE IS LOCALLY OBSERVED.
D     3155  4700       X                                                    C5
L                                        XXXX
R                THIS WHOLE INTERVAL, BEING WITHIN THE SUPERGENE OXIDE ZONE, IS
R                ALTERED BY LIMONITE RANGING FROM 100% AROUND 35.7M (IT IS
R                THEREFORE NOT A COATING BUT PERVASIVE) TO ABOUT 5% AS FRACTURE
R                COATING AROUND 46M> THE ROCK IS ALSO BROKEN UP TO PEBBLE SIZE
R                THE LARGEST CORE PIECE BEING 10CM. LONG BUT IN AVERAGE, PIECES
R                ARE 2-3CM.
R                THIS HOLE HAVING A SUBSTANTIAL % OF PYRRHOTITE AND, AS I BELIEVE,
R                NO MAGNETITE, THE MAGNETIC SUSCEPTIBILITY METER READINGS WILL NOT
R                BE INTERPRETED AS MAGNETITE CONTENT BUT PYRRHOTITE CONTENT.
R                HOWEVER, NO CHART IS PRESENTLY AVAILABLE FOR CONVERSION. I WILL
R                THEREFORE ESTIMATE A % AND WRITE M.S.M. READING FOR THE SAME
R               INTERVAL.
D     4800  7500       X                                                    PO
L                                                          D+                H)
R                IN THIS INTERVAL, MINERALIZATION STARTS WITH DISSEMINATED, FINE
R                GRAINED PYRITE BUT AROUND 56M., THE PYRITE CONTENT FALLS
R                SIGNIFICANTLY AND PYRRHOTITE TENDS TO APPEAR FOR AT LEAST 30%
R                OF THE MINERALIZATION. IT IS OF OXIDIZED BRASSY COLOUR SEEMS TO
R                BE REPLACING AUGITE PHENOCRYSTS BUT HAS NOT OVERTAKEN ALL OF THE
R                PHENOCRYSTS SO THAT THE ORIGINAL PHENOCRYSTS IS STILL
R                RECOGNIZABLE BUT ONE OF ITS EXTREMITY IS NOW PYRRHOTIZED. THE
R                PYRRHOTITE FORMS A SMALL SPOT OF ABOUT 2-3MM IN DIAMETER. FROM
R                50.7 TO 50.8, THERE IS OXIDIZED PYRITE VEIN (62DEGREES FROM CORE
R                AXIS) WITH CARBONITIZED SHEARED (NOW HEALED) ZONE RANGING FROM
R                50.4 TO 51M.
A004  4800  7500              .11
D     7500  9000        X                                                   PO
L                                        0122                 D=           H+
R                PYRITE CONTENT IS UP TO ALMOST 5% PYRRHOTITE BEING APPROXIMATELY
R                2%. THE ROCK IS SLIGHTLY LESS FRACTURED. BETWEEN 79.5 AND 87.5,
R                THE CHLORITE CONTENT SEEMS TO LOWER BUT EPIDOTE SPOTS ARE MORE
R                FREQUENT.
A004  7500  9000              .06
D     9000  9800       X                                                    PO
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L                                                                  D*          H=
R               FROM 90M ON, PYRITE IS RATHER SCARCE AND THE MAIN MINERALIZATION
R               PRODUCT BECOMES PYRRHOTITE, WHICH IS DESCRIBED IN DITTIO
R               INTERVAL FROM 48 TO 75M.
A004   9000   9800              .23
A004   9800  10285              .17
D      9800  10285       X                                        V=D1          POCL
L                                                                    D(          H=V=
R               THIS INTERVAL HAS GONE THROUGH SOME STRESS AND A RESULTING
R               GREATER AMOUNT OF VEINS OCCURS. THEY ARE MOSTLY CALCITE VEINS
R               THAT TENDS TO BLEACH IN THE AJOINING ROCK. THE WHOLE INTERVAL IS
R               ALSO MORE CHLORITIZED (THERE IS SOME VEINLETS OF CHLORITE) AND
R               EPIDOTIZED. MINERALIZATION IS ALSO HIGHER WITH 10% PYRITE,
R               COARSE TO FINE SIZED EUHEDRAL CRYSTALS, 5% FINE GRAINED
R               PYRRHOTITE AND ABOUT 0.1% FINELY DISSEMINATED CHALCOPYRITE. THE
R               ROCK DOES SEEM FRACTURED BUT HAS NOT PARTED SO A STOCKWORK IS
R               NOT QUITE PRESENT.
D     10285  13278       X                                                      PO
L                                                                  D=O-          S=
R               THIS ZONE DOES NOW SHOW A STOCKWORK IN BETWEEN FRAGMENTS (THE
R               FRAGMENTS ARE ANGULAR BUT TOUCHING AT SOME POINTS). THE ROCK IS
R               ALTERED AND HAS BEEN FLOODED. THE STOCKWORK FILLING IS MOSTLY
R               PLAGIOCLASE (ALBITE)(70%) WITH 5% K-FELDSPAR AND 25% PYROXENE.
R               IT IS FINE GRAINED. THE % OF MATRIX IN BETWEEN FRAGMENTS AUGMENT
R               GOING DOWN STARTING ABOUT 5% TO AROUND 50% BOTH UPPER AND LOWER
R               CONTACT ARE SUBJECTIVE. THE TOP CONTACT IS WHERE I FEEL A
R               DEFINITE STOCKWORK TO EXISTS BUT THE ZONE HAS GONE THROUGH
R               REHEALED FRAGMENTATION AND THEREFORE, A STOCKWORK COULD BE SAID
R               TO EXIST EARLIER (HIGHER UP THE HOLE). BETWEEN 120M. AND 123.6M,
R               PYRRHOTITE CONTENT GOES UP TO 10-12% AND CHALCOPYRITE IS PRESENT.
R               BETWEEN 123.5 AND 125, CHLORITE GOES UP TO 20%.
A004  10285  11600              .03
A004  11600  13200              1.1
A004  13200  16000              .73
P     13278  20440        HYHL                1102              P=V(            PO
L                                              1313           V-    D+O/         J1
R               HYDROTHERMAL BRECCIA:
R               THIS ROCK IS BASICALLY AN AGGLOMERATION OF ANGULAR HOMOLITHIC
R               FRAGMENTS AND THEY ARE "FREE FLOATING IN A MATRIX. THE CLASTS OR
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R                FRAGMENTS ARE OF THE SAME COMPOSITION AS THE PREVIOUS PRINCIPAL
R                INTERVAL AND THE MATRIX IS THE SAME AS THE PREVIOUS STOCKWORK
R                FILLING EXCEPT FOR ALTERATION. FRAGMENTS ARE RANGING FROM 1CM TO
R                CLOSE TO 12CM. THEY ARE ANGULAR AND OF A GREY COLOUR. THEY
R                CONTAIN LARGE PYROXENE PORPHYRY WHICH ARE VERY CHARACTERISTIC TO
R                THE CLASTS AND TO THE PREVIOUS UNIT. THE MATRIX IS FINE GRAINED,
R                AND HAS COMPOSITION OF 50-60% PLAGIOCLASE, 40% PYROXENE AND 2-5%
R                K-FELDSPAR WHICH SEEM TO BE BLEACHING OF MICROVEINS AND
R                THEREFORE (IF SO IS THE CASE) BE SECONDARY AND BE ALTERATION.
R                THE MATRIX IS OF A DEEPER GREY-GREEN COLOUR. THE WHOLE ROCK HAS
R                THIS "ARMY CAMOUFLAGE" LOOK TO IT. THE MAIN ALTERATION WOULD BE
R                5% CHLORITE/EPIDOTE PERVASIVE ALTERATION. MINERALIZATION IS VERY
R                CHARCTERISTIC, BEING MAINLY AN INTERSTITIAL (IN BETWEEN
R                FRAGMENTS) REPLACEMENT BY PYRRHOTITE THAT POSSESSES THE BRASSY
R                COLOUR DESCRIBED PREVIOUSLY. IT'S % VARIES THROUGHOUT THE
R                INTERVAL BUT IS AVERAGING 10-15%. PYRITE IS SCARCER BUT
R                MODERATELY PRESENT AS DISSEMINATED FINE GRAIN EUHEDRAL CRYSTALS.
R                CHALCOPYRITE IS ALSO PRESENT, DISSEMINATED AND FINE GRAINED.
D    13278 14715       X                                                    PO
L                                                                  D-        H=
R                THE STOCKWORK OR INTERSTITIAL PYRRHOTITE HASN'T STARTED YET AND
R                PYRRHOTITE OCCURS AS PHENOCRYSTS REPLACEMENT, WHICH IS THE
R                CONTINUITY OF THE PREVIOUS PRINCIPAL INTERVAL. CHALCOPYRITE IS
R                PRESENT IN VERY SMALL BLOBS (APPROXIMATELY 2MM DIAMETER,
R                THEREFORE DISSEMINATED).
D    14715 16775       X                                                    PO
L                                                                  D=D(      J2
R                THIS IS NOW THE MAIN PYRRHOTIZED STOCKWORK ZONE AND PYRRHOTITE
R                IS UP TO 20% IN VARIOUS AREAS. HOWEVER IT AVERAGES TO CLOSE TO
R                15% IF THIS WHOLE INTERVAL IS TAKEN INTO CONSIDERATION. PYRITE
R                APPEARS BETWEEN 164.7M AND 166.1M. AND ACCOUNT FOR 5% OF THE
R                ROCK. CHALCOPYRITE IS SEEN AS DISSEMINATED FINE GRAINED CRYSTALS.
A004 16000 16700                1.3
N    16775 17080       XMPHD                2102                    V(
L                                           1212                  D(
R                PLAGIOCLASE HORNBLENDE PYROXENE MONZONITE PORPHYRY DYKE:
R                LIGHT GREY COLOURED ROCK WITH 30% MATRIX. THIS MATRIX IS FINE
R                GRAINED AND COMPOSED OF 60% K-FELDSPAR WHICH STAIN HEAVILY, 15%
R                ANHEDRAL PLAGIOCLASE AND 25% ANHEDRAL PYROXENE. PORPHYRY, MAKING
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R               50% OF THE ROCK, IS COMPOSED OF 30% PLAGIOCLASE LATHS, EUHEDRAL
R               AND ANHEDRAL PYROXENES RANGING FROM 2 TO 0.5MM IN DIAMETER AND
R               7% HORNBLENDE EUHEDRAL NEEDLES 5MM TO 2MM LONG. THIS ROCK IS
R               HARDLY ALTERED AT ALL EXCEPT FOR SOME SMALL (1MM. WIDE) CLACITE
R               VEINS AND VERY LIGHT ENVELOP. MINERALIZATION IS ABOUT 0.1% OF
R               EUHEDRAL FINE GRAINED PYRITE AND CONSIDERING THE MINERALIZATION
R               OF THE SURROUNDING ROCK, THIS IS A POST MINERAL DYKE. BOTH
R               CONTACTS ARE DEFINITE EVEN THOUGH THE UPPER CONTACT HAS A SMALL
R               (5CM) CHILLED MARGIN. TOP CONTACT IS AT 60DEGREES AND BOTTOM
R               CONTACT AT 40DEGREES.
A004 16700 17000              .13
A004 17000 18800              .82
D    17080 18845      X                                                    PO
L                                                                 D=D-      J1
R               MINERALIZATION IS STILL MAINLY PYRRHOTITE AND OCCURS
R               INTERSTITIAL FILLING. PYRITE IS PRESENT IN SOME AREAS. A 12CM
R               VEIN OF PYRITE MIXED WITH CALCITE CROSS CUTS THE CORE AT
R               183.8-184M, WITH AN ANGLE OF 36DEGREES. CHALCOPYRITE IS ALSO
R               VISIBLE BUT AS AN OCCASIONAL DISSEMINATED 2MM. SPOT. AT THE END
R               OF THIS INTERVAL, THE MINERALIZATION TENDS TO GO BACK
R               PHENOCRYST ALTERATION, BUT BRECCIA FILLING IS STILL PARTLY
R               PRESENT.
N    18845 19265      XMZPD                3102              <(<(
L                                          0222                 U*
R               PLAGIOCLASE MONZONITE PORPHYRY DYKE:
R               THIS IS MONZONITIC ROCK WITH EVENLY REPARTED ZENOLITHS. THESE
R               ZENOLITHS ARE SURROUNDED, VARY FROM 3CM TO 6CM IN SIZE AND ARE
R               OF A MEDIUM ASH TUFF COMPOSITION. PLAGIOCLASE PORPHYRY ARE
R               SUBHEDRAL AND VARY FROM 14MM TO 1MM IN DIAMETER . THEY MAKE UP
R               35% OF THE ROCK. THE MATRIX, WHICH MAKES 64% OF THE ROCK, IS
R               FINE GRAINED AND ALMOST ENTIRELY K-FELDSPAR. SOME PYROXENE (20%)
R               ARE ALSO PRESENT. THE MAIN ALTERATION CONSISTS OF EPIDOTIZED
R               CACITE MICROVEINS. THE ROCK HAS THIS DARK LOOK TO IT BUT IS VERY
R               HARD (I CAN'T SCRATCH IT). MINERALIZATION IS VERY POOR AND
R               THEREFORE I THINK THAT THIS IS A POST MINERAL DYKE. 0.2 TO 0.3%
R               PYRITE IN EUHEDRAL FINE GRAINED CRYSTALS IS THE BULK OF THE
R               MINERALIZATION. THE UPPER CONTACT IS VERY SHARP AND FOLLOWS A
R               2.5CM WIDE PYRITE VEIN WITH A BIT CLACITE. IT IS AT 39DEGREES TO
R               CORE AXIS. LOWER CONTACT IS AT 40DEGREES AND ALSO REASONABLY
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R                SHARP.
A004 18800 19200              .06
A004 19200 20440              .86
D    19265 20440       X                                    V+V)O+          PO
L                                                             D-           J=
R                THE UPPER CONTACT HAS A 45DEGREE VEIN, 2.5CM WIDE OF A MIXTURE
R                OF COARSE GRAIN PYRITE, FINE CHLORITE AND CARBONATE. THE BRECCIA
R                FILLING BECOMES LESSER AND LESSER AS FRAGMENTS ARE BIGGER AND
R                CLOSER. THE LOWER CONTACT IS IN A FRACTURED ZONE AND THEREFORE
R                NOT QUITE VISIBLE.
A004 20440 21000              .06
P    20440 21050        PPMZ                0201                  V+          POCL
L                                           2X16                  D*          V)V=
R                PLAGIOCLASE PYROXENE MONZONITE PORPHYRY DYKE:
R                THIS GREENISH GREY ROCK IS COMPOSED OF 65% FINE GRAINED MATRIX
R                WHICH CONTAINS 50% K-FELDSPAR (HEAVY STAINING), 30% PYROXENE AND
R                20% PLAGIOCLASE. THE 35% OF PORPHYRY ARE DIVIDED AS 20% PYROXENE,
R                SUBHEDRAL TO ANHEDRAL, RANGING FROM 6MM TO 0.3MM; 15%
R                PLAGIOCLASE ANHEDRAL, RANGING FROM 2 TO 0.2MM.; A FEW HORNBLENDE
R                PORPHYRY ARE VISIBLE BUT ABOUT 0.1%. THERE IS A CHLORITE ALTERED
R                ZONE FROM 206.4 TO 206.6 THAT CONTAINS 30% PERVASIVE CHLORITE.
R                THERE IS ALSO A 3CM. PYRITE VEIN IN THE SAME AREA. A BIT OF
R                PYRRHOTITE IS MIXED IN WITH THE PYRITE. OTHER MINERALIZATION
R                CONSIST IN A SMALL PYRITE VEIN AT 205.1 AND ABOUT 3%
R                DISSEMINATED FINE GRAINED PYRITE.
P    21050 30845        AFHL                0101                P=V*D+          PO
L                                           1302          <-A*    O)D-          O=
R                PYROXENE ANDESITIC PORPHYRY FLOW:
R                WE ARE BACK IN THE ORIGINAL UNIT WHICH OF A LIGHT TO MEDIUM
R                GREEN COLOUR, RESEMBLING "ARMY CAMOUFLAGE". THERE IS SOME DARKER
R                SPOTS CAUSED BY AUGITE PORPHYRY AND DARKER AREA OF STOCKWORK
R                INFILLING. THIS FLOW ROCK HAS MULTIPLE FRACTURES (OR A WELL
R                DEVELOPED FRACTURE SYSTEM) THAT CREATE A STOCKWORK (WHICH WAS THE
R                EARLIER BRECCIA INFILLING FROM 123 TO 204M. THE STOCKWORK
R                FILLING IS COMPOSED OF FINE GRAINED PLAGIOCLASE (60%), PYROXENE
R                (40%) AND 5% (BUT SOMETIMES LESS AS IT VARIES LOCALLY)
R                K-FELDSPAR. THIS K-FELDSPAR, BECAUSE OF ITS UNEVEN SPREADING IS
R                PROBABLY SECONDARY AND THEREFORE ALTERATION. FRAGMENTS, RANGING
R                FROM 2CM TO CLOSE TO 45CM. ARE COMPOSED OF 30% AUGITE
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R               PHENOCRYSTS, SUBHEDRAL, RANGING FROM 1.1 TO 0.5CM, 5% QUARTZ
R               FILLED AMYGDULES AND 65% MATRIX WHICH IS MOSTLY PLAGIOCLASE
R               FELDSPAR (ALBITE). THESE AMYGDULES ARE, IN AVERAGE, 1.5MM IN
R               DIAMETER. THE PRINCIPAL ALTERATION IS A CHLORITE/EPIDOTE
R               PERVASIVE ALTERATION. MINERALIZATION OCCURS IN THE STOCKWORK AS
R               MOSTLY PYRRHOTITE AND IN FRAGMENTS AS PHENOCRYSTS AND AMYGDULES
R               REPLACEMENT BY PYRRHOTITE. A LITTLE PYRITE IS SOMETIMES
R               ASSOCIATED WITH PYRRHOTITE AND A FEW SPECKS OF CHALCOPYRITE
R               OCCURS AS DISSEMINATED FINE GRAINED.
N    23415 25440      7HMZP                0101              P=V(
L                                          2213                  D*
R               PLAGIOCLASE HORNBLENDE PYROXENE MONZONITE PORPHYRY:
R               GREY PORPHYRITIC ROCK WITH 42% PORPHYRY; 30% PLAGIOCLASE,
R               SUBHEDRAL TO ANHEDRAL, RANGING FROM 0.8CM TO 0.05CM; 7%
R               HORNBLENDE, EUHEDRAL (NEEDLE LIKE), RANGING FROM 0.4CM TO
R               0.05CM; 5% PYROXENE ANHEDRAL, RANGING FROM 0.6CM TO 0.1CM. THE
R               REMAINING 58% IS MATRIX. THIS MATRIX IS FINE GRAINED AND
R               COMPOSED OF 40% K-FELDSPAR, 10% PLAGIOCLASE AND 8% MAFIC
R               MINERALS (PYROXENE AND HORNBLENDE). THE FIRST 5 METERS OF THIS
R               UNIT HAS A GREENISH COLOUR, RESULTING OF EPIDOTE ALTERATION BUT
R               THE REST OF THIS ROCK DOES NOT SEEM ALTERED MUCH. THIS ROCK
R               CONTAINS SOME ZENOLITHS, 2-5CM IN DIAMETER, SUBEQUANT, WITH A
R               COARSE ASH TUFF TEXTURE. THESE ZENOLITHS MAKE UP 1-2% OF THE
R               ROCK. THEY ARE DISTRIBUTED EVENLY. MINERALIZATION IS SPARSE AND
R               CONSIST OF 2-3% FINE GRAINED EUHEDRAL PYRITE CRYSTALS. BOTH TOP
R               AND BOTTOM CONTACT ARE DEFINITE AT 40DEGREES.
A004 21000 23400          .86
A004 23400 25440          .77
N    24425 25130      XHMZP                0000              P*V(
L                                          3114                  D*
R               PLAGIOCLASE HORNBLENDE PYROXENE MONZONITE PORPHYRY:
R               THIS DARK GREY UNIT IS COMPOSED OF 10% PYROXENE PORPHYRY,
R               RANGING FROM 11MM TO 2MM IN DIAMETER, SUBHEDRAL; 15% HORNBLENDE
R               PORPHYRY, RANGING FROM 8 TO 1MM IN LENGTH, EUHEDRAL, 5%
R               PLAGIOCLASE PHENOCRYSTS, ANHEDRAL RANGING FROM 2 TO 0.5MM; 70%
R               MATRIX, WHICH IS FINE GRAINED AND COMPOSED OF 65% K-FELDSPAR
R               (STAINS HEAVILY), 20% MAFIC MINERALS (MOST OF AUGITE PYROXENES)
R               AND 15% PLAGIOCLASE. 3% DISSEMINATED FINE GRAINED PYRITE
R               EUHEDRAL CRYSTALS IS THE ONLY MINERALIZATION. BOTH CONTACT ARE
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R                SHARP AT 40DEGREES.
D    25440 30840      X
L                                        1223
R                MOST MINERALIZATION NOW OCCURS AS PHENOCRYSTS REPLACEMENT SINCE
R                STOCKWORK DIMINSHES AND FRAGMENTS BECOMES BIGGER. HOWEVER,
R                WHENEVER STOCKWORK IS PRESENT, A HIGH % OF IT PYRRHOTITE.
A004 25440 30000              .59
A004 30000 30800               1
A004 30800 34800              .11
P    30845 34845       HMZP                0302              P+P)U)
L                                        1524
R                PLAGIOCLASE HORNBLENDE PYROXENE MONZONITE PORPHYRY:
R                DARK LOOKING ROCK WITH 30% SUBHEDRAL TO ANHEDRAL PLAGIOCLASE
R                PORPHYRY RANGING FROM 9MM TO 1MM., 15% ANHEDRAL AUGITE PORPHYRY
R                RANGING FROM 5 TO 0.5MM., 15% ANHEDRAL HORNBLENDE PORPHYRY
R                RANGING FROM 3 TO 0.5MM. IN LENGTH. THE REMAINING 40% OF THIS
R                ROCK CONSIST OF A FINE GRAINED MATRIX WHICH IS COMPOSED OF 70%
R                K-FELDSPAR (HEAVY STAINING) 20% MAFIC FRAGMENTS AND 10%
R                PLAGIOCLASE. THE ROCK SEEMS TO HAVE A VERY MILD PERVASIVE
R                CARBONATE ALTERATION. MINERALIZATION IS POOR WITH 1% EUHEDRAL
R                PYRITE.
D    31300 31440      X                                                    CL
L                                        3X36                  D-         P3
R                A HIGHLY CHLORITIZED AND FRAGMENTED ZONE.
D    31630 31680      X                                    V3V2V5
L
R                VEIN WHICH IS HEAVILY PYRITIZED, CARBONATIZED AND CHLORITIZED.
D    31935 32250      X
L                                                          P2
R                A HIGHLY PERVASIVELY CARBONATIZED ZONE.
D    32750 32850      X
L                                        4XX7              P2
R                HIGHLY CARBONATIZED ZONE, HIGH FRACTURE DENSITY.
D    33080 33150      X
L                                        5X56
R                HIGHER DENSITY FRACTURE ZONE.
D    33360 33480    S5X                                        V=
L                                        XXX8
R                SHEARED ZONE
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D    33650 33690      X
L                                        XXX8
R               FRACTURED ZONE
D    33740 33960
L                     X                                    P2
R               CARBONATIZED ZONE
N    33960 34360      XAFHL               1011             P=<*D=          PO
L                                         0233                  D(         H=
R               THIS 4M INTERVAL OF THE PREVIOUS UNIT. I THINK THAT IT IS A BIG
R               ZENOLITH THAT HAS BEEN CAUGHT IN THE INTRUSIVE. THERE IS A 10CM
R               SHEARED ZONE AT 342.4M. AND LIGHTLY SHEARED ZONE FROM 343.1 TO
R               343.6.
P    34845 35870       AFHL
L
R               AUGITE ANDESITIC PORPHYRY FLOW:
R               WE ARE BACK IN THE SAME FLOW AS 210 TO 348. THERE IS NO
R               STOCKWORK.
A004 34800 35800              .41
A001
AUMM                    SAMP    AU  CU-A AUEQ
RASY                 IF CU >0.05:   AUEQ = AU + CU*0.94
RASY                IF CU <=0.05:   AUEQ = AU - CU*0.08
ALAB                          GM/T    %   GM/T
ATYP                            NQ    NQ
AMTH
A001  3155  3570    C5985
A001  3570  4170    C5986
A001  4170  4400    C5987
A001  4400  4600    C5988
A001  4600  4800    C5989
A001  4800  5000    C5990
A001  5000  5200    C5991
A001  5200  5400    C5992
A001  5400  5600    C5993
A001  5600  5800    C5994
A001  5800  6000    C5995
A001  6000  6200    C5996
A001  6200  6400    C5997
A001  6400  6600    C5998
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A001	6600	6800	C5999
A001	6800	7000	C6000
A001	7000	7200	C6001
A001	7200	7400	C6002
A001	7400	7600	C6003
A001	7600	7800	C6004
A001	7800	8000	C6005
A001	8000	8200	C6006
A001	8200	8400	C6007
A001	8400	8600	C6008
A001	8600	8800	C6009
A001	8800	9000	C6010
A001	9000	9200	C6011
A001	9200	9400	C6012
A001	9400	9600	C6013
A001	9600	9800	C6014
A001	9800	10000	C6015
A001	10000	10200	C6016
A001	10200	10400	C6017
A001	10400	10600	C6018
A001	10600	10800	C6019
A001	10800	11000	C6020
A001	11000	11200	C6021
A001	11200	11400	C6022
A001	11400	11600	C6023
A001	11600	11800	C6024
A001	11800	12000	C6025
A001	12000	12200	C6026
A001	12200	12400	C6027
A001	12400	12600	C6028
A001	12600	12800	C6029
A001	12800	13000	C6030
A001	13000	13200	C6031
A001	13200	13400	C6032
A001	13400	13600	C6033
A001	13600	13800	C6034
A001	13800	14000	C6035
A001	14000	14200	C6036
A001	14200	14400	C6037

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A001 14400 14600    C6038
A001 14600 14800    C6039
A001 14800 15000    C6040
A001 15000 15200    C6041
A001 15200 15400    C6042
A001 15400 15600    C6043
A001 15600 15800    C6044
A001 15800 16000    C6045
A001 16000 16200    C6046
A001 16200 16400    C6047
A001 16400 16600    C6048
A001 16600 16775    C6049
A001 16775 16925    C6050
A001 16925 17080    C6051
A001 17080 17200    C6052
A001 17200 17400    C6053
A001 17400 17600    C6054
A001 17600 17800    C6055
A001 17800 18000    C6056
A001 18000 18200    C6057
A001 18200 18400    C6058
A001 18400 18600    C6059
A001 18600 18845    C6060
A001 18845 19050    C6061
A001 19050 19265    C6062
A001 19265 19420    C6063
A001 19420 19600    C6064
A001 19600 19800    C6065
A001 19800 20000    C6066
A001 20000 20200    C6067
A001 20200 20440    C6068
A001 20440 20650    C6069
A001 20650 20850    C6070
A001 20850 21050    C6071
A001 21050 21200    C6072
A001 21200 21400    C6073
A001 21400 21600    C6074
A001 21600 21800    C6075
A001 21800 22000    C6076
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A001 22000 22200    C6077
A001 22200 22400    C6078
A001 22400 22600    C6079
A001 22600 22800    C6080
A001 22800 23000    C6081
A001 23000 23200    C6082
A001 23200 23415    C6083
A001 23415 23600    C6084
A001 23600 23800    C6085
A001 23800 24000    C6086
A001 24000 24200    C6087
A001 24200 24425    C6088
A001 24425 24600    C6089
A001 24600 24800    C6090
A001 24800 25000    C6091
A001 25000 25130    C6092
A001 25130 25300    C6093
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A001 34845 35050 C6144
A001 35050 35250 C6145
A001 35250 35450 C6146
A001 35450 35650 C6147
A001 35650 35870 C6148
A002

AUMM AMTH			REC MS MT	REC% CALC	RQD MS MT	RQD% CALC	HARD EST	BRKG EST	WTHR EST	XJNT CT	XJ/M CALC
A002	3155	3570	1.20	28.92	0.00	0.00	2	3	2	30	7.23
A002	3570	4170	0.80	13.33	0.00	0.00	2	3	2	30	5.00
A002	4170	4400	1.10	47.83	0.00	0.00	3	4	2	20	8.70

A002	4400	4600	0.90	45.00	0.00	0.00	3	4	3	20	10.00
A002	4600	4800	1.48	74.00	0.46	23.00	3	5	3	18	9.00
A002	4800	5000	1.75	87.50	0.19	9.50	3	8	3	18	9.00
A002	5000	5200	1.65	82.50	0.70	35.00	3	11	3	12	6.00
A002	5200	5400	1.90	95.00	1.20	60.00	3	12	3	10	5.00
A002	5400	5600	1.75	87.50	1.45	72.50	3	13	3	8	4.00
A002	5600	5800	1.90	95.00	1.35	67.50	3	13	3	8	4.00
A002	5800	6000	1.95	97.50	1.30	65.00	3	13	4	10	5.00
A002	6000	6200	2.00	100.00	1.65	82.50	3	14	5	7	3.50
A002	6200	6400	1.90	95.00	1.35	67.50	4	14	5	8	4.00
A002	6400	6600	1.95	97.50	1.85	92.50	4	14	5	5	2.50
A002	6600	6800	2.00	100.00	1.75	87.50	4	14	5	5	2.50
A002	6800	7000	2.00	100.00	1.20	60.00	4	13	5	14	7.00
A002	7000	7200	1.90	95.00	1.35	67.50	4	14	5	7	3.50
A002	7200	7400	1.90	95.00	1.70	85.00	4	14	5	7	3.50
A002	7400	7600	1.85	92.50	0.85	42.50	4	13	5	12	6.00
A002	7600	7800	2.00	100.00	1.60	80.00	4	14	5	8	4.00
A002	7800	8000	1.95	97.50	1.70	85.00	4	14	5	5	2.50
A002	8000	8200	2.00	100.00	1.60	80.00	4	14	5	6	3.00
A002	8200	8400	2.00	100.00	1.20	60.00	3	12	5	11	5.50
A002	8400	8600	2.00	100.00	1.60	80.00	3	13	5	6	3.00
A002	8600	8800	2.00	100.00	1.07	53.50	3	12	5	8	4.00
A002	8800	9000	2.00	100.00	1.10	55.00	3	11	5	13	6.50
A002	9000	9200	2.09	104.50	1.85	92.50	3	13	5	7	3.50
A002	9200	9400	1.85	92.50	1.27	63.50	3	13	5	7	3.50
A002	9400	9600	2.02	101.00	1.70	85.00	3	13	5	8	4.00
A002	9600	9800	2.01	100.50	1.66	83.00	3	13	5	7	3.50
A002	9800	10000	1.90	95.00	1.40	70.00	3	13	5	7	3.50
A002	10000	10200	2.07	103.50	1.85	92.50	3	14	5	6	3.00
A002	10200	10400	1.95	97.50	1.38	69.00	3	13	5	9	4.50
A002	10400	10600	1.87	93.50	0.98	49.00	3	11	5	14	7.00
A002	10600	10800	2.05	102.50	1.40	70.00	3	12	5	11	5.50
A002	10800	11000	2.00	100.00	1.67	83.50	3	12	5	11	5.50
A002	11000	11200	1.82	91.00	0.93	46.50	3	10	5	16	8.00
A002	11200	11400	2.00	100.00	1.80	90.00	3	14	5	6	3.00
A002	11400	11600	2.10	105.00	1.46	73.00	3	13	5	8	4.00
A002	11600	11800	1.90	95.00	1.33	66.50	3	13	5	8	4.00
A002	11800	12000	2.00	100.00	1.57	78.50	3	13	5	9	4.50
A002	12000	12200	1.96	98.00	1.32	66.00	3	13	5	8	4.00

A002	12200	12400	1.92	96.00	0.97	48.50	3	13	5	7	3.50
A002	12400	12600	2.06	103.00	1.54	77.00	3	13	5	7	3.50
A002	12600	12800	2.02	101.00	1.51	75.50	3	13	5	8	4.00
A002	12800	13000	2.05	102.50	1.72	86.00	3	13	5	9	4.50
A002	13000	13200	2.02	101.00	1.67	83.50	3	13	5	8	4.00
A002	13200	13400	1.89	94.50	1.56	78.00	3	13	5	8	4.00
A002	13400	13600	2.00	100.00	1.65	82.50	3	14	5	4	2.00
A002	13600	13800	2.00	100.00	1.83	91.50	3	14	5	6	3.00
A002	13800	14000	1.90	95.00	1.54	77.00	3	13	5	9	4.50
A002	14000	14200	2.10	105.00	1.80	90.00	3	13	5	8	4.00
A002	14200	14400	2.00	100.00	1.44	72.00	3	13	5	7	3.50
A002	14400	14600	1.95	97.50	1.48	74.00	3	13	5	9	4.50
A002	14600	14800	1.92	96.00	1.50	75.00	3	12	5	11	5.50
A002	14800	15000	2.00	100.00	1.77	88.50	3	13	5	8	4.00
A002	15000	15200	1.93	96.50	1.70	85.00	3	11	5	12	6.00
A002	15200	15400	2.00	100.00	1.78	89.00	3	13	5	9	4.50
A002	15400	15600	2.10	105.00	1.59	79.50	3	11	5	13	6.50
A002	15600	15800	2.26	113.00	1.70	85.00	3	11	5	12	6.00
A002	15800	16000	1.65	82.50	1.63	81.50	3	14	5	5	2.50
A002	16000	16200	1.88	94.00	1.60	80.00	3	13	5	8	4.00
A002	16200	16400	2.00	100.00	1.57	78.50	3	13	5	7	3.50
A002	16400	16600	2.00	100.00	1.50	75.00	3	13	5	8	4.00
A002	16600	16775	1.76	100.57	1.44	82.29	3	13	5	7	4.00
A002	16775	16925	1.43	95.33	0.77	51.33	3	13	5	6	4.00
A002	16925	17080	1.47	94.84	1.09	70.32	3	13	5	5	3.23
A002	17080	17200	1.18	98.33	0.97	80.83	3	13	5	4	3.33
A002	17200	17400	2.09	104.50	1.95	97.50	3	14	5	6	3.00
A002	17400	17600	1.81	90.50	1.52	76.00	3	13	5	6	3.00
A002	17600	17800	2.00	100.00	1.54	77.00	3	14	5	6	3.00
A002	17800	18000	2.03	101.50	1.74	87.00	3	13	5	8	4.00
A002	18000	18200	1.87	93.50	1.33	66.50	3	12	5	10	5.00
A002	18200	18400	2.00	100.00	1.78	89.00	3	13	5	8	4.00
A002	18400	18600	1.85	92.50	1.76	88.00	3	14	5	5	2.50
A002	18600	18845	2.37	96.73	2.00	81.63	3	13	5	9	3.67
A002	18845	19050	1.97	96.10	1.80	87.80	3	14	5	5	2.44
A002	19050	19265	1.14	53.02	1.20	55.81	3	13	5	8	3.72
A002	19265	19420	1.50	96.77	1.27	81.94	3	13	5	7	4.52
A002	19420	19600	1.72	95.56	1.35	75.00	3	13	5	8	4.44
A002	19600	19800	1.97	98.50	1.40	70.00	3	14	5	8	4.00

A002	19800	20000	1.90	95.00	1.42	71.00	3	14	5	9	4.50
A002	20000	20200	1.90	95.00	1.70	85.00	3	14	5	6	3.00
A002	20200	20440	2.00	83.33	1.60	66.67	3	11	5	12	5.00
A002	20440	20650	1.30	61.90	0.67	31.90	3	10	5	13	6.19
A002	20650	20850	1.68	84.00	1.00	50.00	3	7	5	20	10.00
A002	20850	21050	1.50	75.00	0.00	0.00	3	7	5	21	10.50
A002	21050	21200	1.42	94.67	1.17	78.00	3	13	5	6	4.00
A002	21200	21400	1.90	95.00	1.30	65.00	3	12	5	11	5.50
A002	21400	21600	1.93	96.50	1.80	90.00	3	13	5	7	3.50
A002	21600	21800	2.02	101.00	1.64	82.00	3	13	5	9	4.50
A002	21800	22000	1.93	96.50	1.75	87.50	3	13	5	8	4.00
A002	22000	22200	2.35	117.50	1.90	95.00	3	12	5	11	5.50
A002	22200	22400	2.00	100.00	1.80	90.00	3	13	5	8	4.00
A002	22400	22600	1.70	85.00	1.42	71.00	3	13	5	8	4.00
A002	22600	22800	2.23	111.50	2.13	106.50	3	13	5	9	4.50
A002	22800	23000	1.70	85.00	1.57	78.50	3	13	5	6	3.00
A002	23000	23200	1.67	83.50	1.45	72.50	3	13	5	8	4.00
A002	23200	23415	2.40	111.63	2.20	102.33	3	14	5	8	3.72
A002	23415	23600	1.83	98.92	1.50	81.08	3	12	5	10	5.41
A002	23600	23800	1.70	85.00	0.80	40.00	3	10	5	15	7.50
A002	23800	24000	2.10	105.00	0.46	23.00	3	12	5	11	5.50
A002	24000	24200	2.10	105.00	1.56	78.00	3	11	5	14	7.00
A002	24200	24425	2.30	102.22	1.65	73.33	3	10	5	17	7.56
A002	24425	24600	1.67	95.43	1.07	61.14	3	11	5	13	7.43
A002	24600	24800	1.80	90.00	1.55	77.50	3	12	5	8	4.00
A002	24800	25000	1.82	91.00	1.40	70.00	3	12	5	11	5.50
A002	25000	25130	1.60	123.08	0.50	38.46	3	8	5	20	15.38
A002	25130	25300	1.50	88.24	1.10	64.71	3	12	5	11	6.47
A002	25300	25440	1.37	97.86	0.40	28.57	3	10	5	17	12.14
A002	25440	25600	1.50	93.75	1.04	65.00	3	12	5	8	5.00
A002	25600	25800	1.90	95.00	1.60	80.00	3	12	5	10	5.00
A002	25800	26000	1.80	90.00	0.84	42.00	2	11	5	12	6.00
A002	26000	26200	2.00	100.00	1.63	81.50	3	11	5	12	6.00
A002	26200	26400	1.96	98.00	1.70	85.00	3	13	5	7	3.50
A002	26400	26600	1.94	97.00	1.50	75.00	3	13	5	7	3.50
A002	26600	26800	1.97	98.50	1.82	91.00	3	12	5	10	5.00
A002	26800	27000	2.00	100.00	1.70	85.00	3	13	5	8	4.00
A002	27000	27200	1.86	93.00	1.06	53.00	3	11	5	14	7.00
A002	27200	27400	1.60	80.00	1.28	64.00	3	12	5	10	5.00

A002	27400	27600	2.10	105.00	1.02	51.00	3	11	5	13	6.50
A002	27600	27800	1.85	92.50	1.46	73.00	3	13	5	9	4.50
A002	27800	28000	2.00	100.00	1.58	79.00	3	13	5	8	4.00
A002	28000	28200	1.91	95.50	1.55	77.50	3	12	5	10	5.00
A002	28200	28400	2.01	100.50	1.76	88.00	3	13	5	9	4.50
A002	28400	28600	1.80	90.00	1.50	75.00	3	12	5	11	5.50
A002	28600	28800	2.07	103.50	1.67	83.50	3	13	5	9	4.50
A002	28800	29000	2.00	100.00	1.44	72.00	3	13	5	9	4.50
A002	29000	29200	1.85	92.50	1.55	77.50	3	13	5	8	4.00
A002	29200	29400	1.70	85.00	1.45	72.50	3	11	5	10	5.00
A002	29400	29600	2.00	100.00	1.60	80.00	3	13	5	9	4.50
A002	29600	29800	1.80	90.00	0.95	47.50	3	13	5	7	3.50
A002	29800	30000	1.93	96.50	1.63	81.50	3	13	5	8	4.00
A002	30000	30200	2.02	101.00	1.84	92.00	3	13	5	9	4.50
A002	30200	30400	1.85	92.50	1.44	72.00	3	13	5	8	4.00
A002	30400	30600	1.98	99.00	1.72	86.00	3	13	5	7	3.50
A002	30600	30800	2.05	102.50	1.60	80.00	3	11	5	12	6.00
A002	30800	31000	1.90	95.00	1.55	77.50	3	12	5	11	5.50
A002	31000	31200	2.02	101.00	1.08	54.00	3	10	5	18	9.00
A002	31200	31400	1.95	97.50	0.40	20.00	3	9	5	23	11.50
A002	31400	31625	2.16	96.00	1.60	71.11	3	11	5	13	5.78
A002	31625	31680	0.50	90.91	0.30	54.55	3	12	5	2	3.64
A002	31680	31800	1.10	91.67	0.93	77.50	3	11	5	6	5.00
A002	31800	32000	2.00	100.00	1.90	95.00	3	11	5	12	6.00
A002	32000	32200	1.55	77.50	0.74	37.00	3	11	5	13	6.50
A002	32200	32400	1.93	96.50	1.23	61.50	3	11	5	12	6.00
A002	32400	32600	1.96	98.00	1.31	65.50	3	10	5	18	9.00
A002	32600	32800	1.90	95.00	0.70	35.00	3	10	5	17	8.50
A002	32800	33000	1.94	97.00	0.34	17.00	3	8	5	25	12.50
A002	33000	33200	1.90	95.00	0.80	40.00	3	10	5	20	10.00
A002	33200	33400	1.90	95.00	0.66	33.00	3	9	5	22	11.00
A002	33400	33600	1.63	81.50	0.16	8.00	3	7	5	29	14.50
A002	33600	33800	1.70	85.00	0.40	20.00	3	9	5	21	10.50
A002	33800	33960	1.40	87.50	0.00	0.00	3	8	5	21	13.13
A002	33960	34200	2.40	100.00	1.25	52.08	3	9	5	23	9.58
A002	34200	34360	1.60	100.00	0.40	25.00	2	10	5	18	11.25
A002	34360	34500	1.30	92.86	0.00	0.00	3	11	5	14	10.00
A002	34500	34700	1.64	82.00	1.09	54.50	3	12	5	11	5.50
A002	34700	34845	1.50	103.45	1.27	87.59	3	13	5	8	5.52

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A002 34845 35050            2.04 99.51  1.70 82.93     3     13     5     8  3.90
A002 35050 35250            1.75 87.50  1.00 50.00     3     12     5    11  5.50
A002 35250 35450            1.80 90.00  0.82 41.00     3     11     5    12  6.00
A002 35450 35650            2.00100.00  1.96 98.00     3     14     5     5  2.50
A002 35650 35870            2.25102.27  1.82 82.73     3     13     5    10  4.55
A003
AUMM                    SAMP    MA     MW    VOL    SG
ALAB
ATYP
AMTH
A003  4950  4950    C5990  660.2 437.7 222.5 2.967
A003  6530  6530    C5998  890.1 615.5 274.6 3.241
A003  8130  8130    C6006  813.8 562.5 251.3 3.238
A003  9900  9900    C6015  885.7 606.0 279.7 3.167
A003 11490 11490    C6023  687.8 458.5 229.3 3.000
A003 13436 13436    C6033  682.0 460.8 221.2 3.083
A003 15060 15060    C6041  924.8 639.1 285.7 3.237
A003 16535 16535    C6048  714.3 493.6 220.7 3.237
A003 16975 16975    C6051  634.3 411.6 222.7 2.848
A003 17775 17775    C6055  979.9 684.0 295.9 3.312
A003 18926 18926    C6061  721.6 451.6 270.0 2.673
A003 20010 20010    C6067  879.5 605.7 273.8 3.212
A003 20625 20625    C6069  782.0 509.8 272.2 2.873
A003 22150 22150    C6077  870.0 585.6 284.4 3.059
A003 23820 23820    C6086  755.2 480.6 274.6 2.750
A003 24600 24600    C6090  732.5 474.9 257.6 2.844
A003 26920 26920    C6103  900.7 608.5 292.2 3.082
A003 28470 28470    C6110  909.8 611.5 298.3 3.050
A003 31070 31070    C6123  695.7 453.7 242.0 2.875
A003 33490 33490    C6136  817.8 525.7 292.1 2.800
A003 35560 35560    C6147  912.5 616.3 296.2 3.081
A005
AUMM                    SAMP    AU     CU
ALAB
ATYP
AMTH
A005  5390  5690    A27016
A005  6000  6300    A27017
A005  6300  6610    A27018
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A005	6610	6910	A27019
A005	6910	7220	A27020
A005	7220	7520	A27021
A005	7520	7830	A27022
A005	7830	8130	A27023
A005	8130	8440	A27024
A005	8440	8740	A27025
A005	8740	9050	A27026
A005	9050	9350	A27027
A005	9350	9660	A27028
A005	9660	9960	A27029
A005	9960	10270	A27030
A005	10270	10570	A27031
A005	10570	10880	A27032
A005	10880	11180	A27033
A005	11180	11490	A27034
A005	11490	11790	A27035
A005	11790	12100	A27036
A005	12100	12400	A27037
A005	12400	12710	A27038
A005	12710	13010	A27039
A005	13010	13310	A27040
A005	13310	13620	A27041
A005	13620	13920	A27042
A005	13920	14230	A27043
A005	14230	14530	A27044
A005	14530	14840	A27045
A005	14840	15140	A27046
A005	15140	15450	A27047
A005	15450	15750	A27048
A005	15750	16060	A27049
A005	16060	16360	A27050
A005	16360	16670	A27051
A005	16670	16970	A27052
A005	16970	17280	A27053
A005	17280	17580	A27054
A005	17580	17890	A27055
A005	17890	18190	A27056
A005	18190	18500	A27057

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A005 18500 18800    A27058
A005 18800 19110    A27059
A005 19110 19410    A27060
A005 19410 19720    A27061
A005 19720 20020    A27062
A005 20020 20330    A27063
A005 20330 20630    A27064
A005 20630 20930    A27065
A005 20930 21240    A27066
A005 21240 21540    A27067
A005 21540 21850    A27068
A005 21850 22150    A27069
A005 22150 22460    A27070
A005 22460 22760    A27071
A005 22760 23070    A27072
A005 23070 23370    A27073
A005 23370 23680    A27074
A005 23680 23980    A27075
A005 23980 24290    A27076
A005 24290 24590    A27077
A005 24590 24900    A27078
A005 24900 25200    A27079
A005 25200 25510    A27080
A005 25510 25810    A27081
A005 25810 26120    A27082
A005 26120 26420    A27083
A005 26420 26730    A27084
A005 26730 27030    A27085
A005 27030 27340    A27086
A005 27340 27640    A27087
A005 27640 27950    A27088
A005 27950 28250    A27089
A005 28250 28550    A27090
A005 28550 28860    A27091
A005 28860 29160    A27092
A005 29160 29470    A27093
A005 29470 29770    A27094
A005 29770 30080    A27095
A005 30080 30380    A27096
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A005 30380 30690    A27097
A005 30690 30990    A27098
A005 30990 31300    A27099
A005 31300 31600    A27100
A005 31600 31910    A27101
A005 31910 32210    A27102
A005 32210 32520    A27103
A005 32520 32820    A27104
A005 32820 33130    A27105
A005 33130 33430    A27106
A005 33430 33740    A27107
A005 33740 34040    A27108
A005 34040 34350    A27109
A005 34650 34960    A27110
A005 34960 35260    A27111
A005 35260 35570    A27112
A005 35570 35870    A27113
/END
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Appendix IV

Hole 91-880

Drill log

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IDEN6B0201   28091-880    NQ08SEP91PDT    LDSSEP91S38      GRD  0.00
IPRJ          PLACER DOME INC.              MT. MILLIGAN - OTHER
S000     0  9144MT  218.50  0.00-90.00                9600.00   9500.00   1250.00
S001  9144 21850    218.50  0.00-98.70
S002 21850 21850    218.50  0.00-98.50
/NAM                                                  MSBIE:C:P1C1BOHEG:LIXXYY
LNAM                                                  KFQZCBABP2C2MG  CUM:XXYY
/SCL        MT.2PC.0
LSCL            PC.0        LCTM
A004
AUMM                        MAGSUS
RASY
ALAB
ATYP
AMTH
P         0  3660        CASE
R               OVERBURDEN:
R               - FIRST CASING DOWN TO 27.4 AND THEN DRILLED THROUGH 4M
R               MONZONITE BOULDER (RUSTY), THINKING IT WAS BEDROCK;
R               - ENCOUNTERED SAND/CLAY SEAMS BETWEEN 33.8->34.7M, SO RESET
R               CASING TO 34.1M; TRICONED TO 36.6M AND NEXT CASING (AGIAN) TO
R               THIS LEVEL.
KOXD  3740  3740
P     3660  5880        ANLT                1312              <+<+B*
L                                           2423           J+V(P.V.D*
A004  3660  5880                 .04
R               CHLORITIZED AUGITE LAPILLI TUFF:
R               - DARK GREEN/GREY MATRIX; LIGHTER GREEN ANGULAR CLASTS; CLASTS
R               (10%)(4-20MM) CONTAIN CHLORITIZED AUGITES (2-3MM)(25%) IN AN
R               ANDESITIC CRYSTAL TUFF; MATRIX IS HIGHLY CHLORITIZED WITH 5% EP
R               AND CA VEINS (1-2MM), AND CONTAINS ALTERED AUGITES (2-6MM); LESS
R               THAN 5% K-SPAR FLOODING, WHICH SEEMS TO PREFER CERTAIN CLASTS
R               OVER OTHERS; MAINLY ANHEDRAL GREENISH WHITE PLAG (2MM)(10%); PY
R               OCCURS AS BLEBS, DISSEMINATIONS AND MICROVEINS (LOCALLY UP TO 1%);
R               NO OTHER SULFIEDS OBSERVERED; MINOR HBL (APPEARS SERPANTINIZED);
R               PY BLEBS REPLACING AUGITE; LIMONITE ON SOME FRACTURES; MINOR
R               QUARTZ/CALCITE VEINS (ONE CONTAINED ALBITE ALTERATION AT 44.8M);
R               PY CUBES (1MM) UP TO 2% ON CALCITE FRACTURES; LAPILLI FRAGMENTS
R               QUITE HARD TO DISTINGUISH IN CERTAIN AREAS (MAY INTERBEDDED WITH
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R               A CRYSTAL TUFF); JUST ABOVE LOWER CONTACT, (58.6M) IT CONTAINS A
R               22CM ANGULAR BLOCK OF BLACK ARGILLITE/SILTSTONE, HAVING VERY
R               SHARP CONTACTS WITH THE SURROUNDING ANDESITIE; PY
R               BLEBS/MICROVEINS APPEAR TO INCREASE TOWARD LOWER CONTACT (UP TO
R               2%).
P     5880  6445       VSHL                1111                <=<)L+
L                                           1312                P=  <)
A004  5880  6445                .04
R               BANDED ARGILLITE/SILTSTONE:
R               - INTERBEDDED 3-4MM LAYERS OF BLACK ARGILLITE WITH DARK
R               GREEN/GREY SILTSTONE (GRADING INTO MINOR MED. RED SANDSTONE IN
R               PLACES); BEDDING AND CONTACTS ARE AT 40DEGREES TO C/A;
R               CROSSBEDDING TRUNCATIONS AND SCOUR MARKS SHOW THAT THE RIGHT WAY
R               UP IS TOWARD THE TOP OF HOLE; PY IS STRATABOUND AND ARE MORE
R               CONCENTRATED IN SILTY LAYERS [UP TO 5% SUBHEDRAL CUBES (1MM)];
R               MASSIVE PY ALSO IN SMALL ANGLE 1MM FRACTURES; SMALL SCALE
R               VERTICAL DISPLACEMENT OBSERVED (<=1CM); UNIT IS INTRUDED BY A
R               MONZONITE DYKE AND THEREFORE DYKE MARGINS ARE HIGHLY ALTERED TO
R               EP/CA/CL; NEAR THE DYKE THERE IS APPROXIMATELY 60% K-SPAR STAIN,
R               WHILE NEAR THE UPPER VOLCANIC CONTACT THERE IS ONLY <=10% STAIN;
R               SOME MILKY WHITE ARGILLITE LAYERS OCCUR WHICH DO NOT CARRY PY
R               (THE BLACK ARG. CARRIES UP TO 1% DISSEM. PY); SECONDARY CA
R               STRINGERS (1MM) THROUGHOUT; BOTTOM CONTACT DIFFERS FROM THE AUG.
R               MAG. SUS. IN HAVING A MAG. SUS. OF 3.8 (APPEARS TO BE 1CM
R               MAGNETITE LAYER THERE).
N     6130  6365      9QPMZ                 0211                  <+B*
L                                           1312          J5B+P1  D*
A004  6130  6365                .11
R               PLAGIOCLASE QUARTZ MONZONITE PORPHYRY:
R               LIGHT GREY/GREEN; (4-5%)(8-10MM) QTZ FRAGMENTS (ANGULAR); MILKY
R               WHITE PLAG LATHS (2-4MM)(20%) WITH CRUDE ALLIGNMENT AT A
R               MODERATE TO HIGH ANGLE TO CORE AXIS; ABOUT 50% PRIMARY K-SPAR
R               (INTERSTITIAL);(1-2MM)(5%) DARK GREEN HBL; A VERY MIXED UP
R               INTRUSIVE WITH CHLORITE PATCHES; QTZ MAY BE FROM QTZ SWEATS IN
R               ZENOLITHIC SANDSTONE; APPROXIMATELY 1% DISEM.+ BLEBY PY
R               (REPLACING MAFICS); TRACE PYRRHOTITE BUT NO CP FOUND; NOT A
R               TYPICAL MZPP.
P     6445 10392       APXT                1211                  <+B*
L                                           1422          J=  P=  D*
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A004  6445 10392              .06
R                ALTERED AUGITE PORPHYRY CRYSTAL TUFF:
R                MED. GREY/GREEN ANDESITIC MATRIX (FINE GRAINED); DK. GREEN
R                SUBHEDRAL AUGITES (2-3MM)(30%); YELLOWISH WHITE BIMODAL PLAG:
R                <1MM SUBANGULAR FRAGMENTS (10%) AND AUGITE 3MM PLAG LATHS (25%);
R                PATCHY ZONES OF INTENSE CARBONATIZATION CREATES SOME
R                PSEUDOFRAGMENTAL- LOOKING AREAS; MINOR LAPILLI ALSO OBSERVED
R                (SPECIFICALLY AT 83.3 AND 86M) CONTAINING APXT AND MONZONITE
R                FRAGMENTS; SPARSELY DISEM. PY (<1MM)(<0.5%), MINOR PY BLEBS AND
R                0.2% PY FILLED FRACTURES (1-2MM); 5->6% K-SPAR FLOODING; 5% CA
R                HAIRLINE FRACTURES (1-3MM); PERVASIVELY CHLORITIZED; SMALL SHEAR
R                ZONE BETWEEN 72->73M.
N     9210  9800      XQPMZ                0121              O1<+B*
L                                          1433          J5B+P=  D)
A004  9210  9800              .06
R                PLAGIOCLASE QUARTZ MONZONITE PORPHYRY:
R                MED. GREEN/GREY MATRIX WITH MILKY WHITE PHENOS; PHENOCRYSTS
R                CONSIST OF QTZ/CA (8-10MM)(5%); PLAG. (3-5MM)(40%); DK. GREEN
R                HBL (LOCALLY 5%)(2-3MM); ABOUT 50% INTERSTITIAL K-SPAR; 10%
R                CHLORITIC CLASTS; APPEARS TO BE THE SAME INTRUSIVE AS ABOVE, BUT
R                NEITHER ARE THE TYPICAL MZPP; INTENSELY SHEARED/CHLORITIZED
R                UPPER CONTACT; BRECCIATED CONTACTS.
D     9800 10225      XAPXT                1212              V=V=B*
L                                          1312              P1  D*
R                CONTINUATION OF PRICIPAL UNIT; MINOR LAPILI FOUND BETWEEN
R                96.5->99.5M; APPEARS TO BE AN INCREASE IN EPIDOTE/CALCITE
R                ALTERATION.
N    10225 10392    D/XHMZP              0312              <=<+B*
L                                          1322              P1  V-
A004 10225 10392              .01
R                CARBONATIZED HBL. MONZ. PORPH. DYKE:
R                LIGHT GREEN/GREY; CHLORITIZED HBL (2-8MM)(30%); SUBHEDRAL EP/CA
R                ALTERED PLAG (35%)(2-3MM); MINOR PY BLEBS AND VEINS (<0.5%); ~5%
R                HAIRLINE CA (<1MM) FRACTURES; 5% EP MICROVEINS (1-3MM); SHARP,
R                LOW - ANGLE CONTACTS.
P    10392 12188      XANLT                0101              P1<=B*B.
L                                          2422          O1  P=  D(
A004 10392 12188              .03
R                ANDSITE/MONZONITE LAPILLI TUFF:
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R                -ANDESITIC MATRIX IS DK. GREEN WITH HIGHLY CHLORITIZED AUGITES
R                (30%)(1-3MM); LAPILLI FRAGMENTS OF APXT ARE MED. GREEN,
R                CARBONATIZED AND COMPRISED ABOUT 30% OF THE ROCK; HMZP FRAGMENTS
R                ARE ALSO SUBANGULAR (1-5CM)(15%), A LIGHT GREEN/GREY COLOUR WITH
R                PLAG (30%)(1-3MM) ALTERING TO SER/EP AND ALTERING TO CHLOR/PY;
R                PY BLEBS OCCUR LOCALLY UP TO 0.5% AND APPEAR TO REPLACE MAFICS;
R                THERE IS A 3CM EP/CA/PY(50%) VEIN AT 111.2M; TRACE CP OBSERVERED
R                AT 105.1M; INTRUSIVE CLASTS CONTAIN ~0.3% FINELY DISEM PY, IN
R                ADDITION TO SPRADAIC 2-3MM BLEBS; INTERVAL CONTAINS ABOUT 5%
R                CA/EP MICROVEINS (1-3MM) USUALLY ASSOC. WITH MASSIVE PY;
R                INTRUSIVE CLASTS STAIN 50% K-SPAR, VOLCANIC CLASTS STAIN ~10%
R                K-SPAR, AND MATRIX STAINS <5% K-SPAR; ONE ATYPICAL 40CM HMZP
R               BOMB FOUND NEAR LOWER CONTACT.
P    12188 16120    XM9HMZP                  1211              P=<1B)O.
L                                            1432          J4  P1  D)
A004 12188 16120              .02
R                XENOLITHIC HORNBLENDE PLAGIOCLASE +OR- AUGITE MONZONITE PORPHYRY:
R                -10% DK.GREEN APXT AND CHLORITIC XENOLITHS SUSPENDED IN LIGHT
R                GREEN/GREY HMZP BODY; ALSO <5% KAOLINIZED GRANITE XENOLITHS;
R                CLASTS ARE SURROUND (0.5CM TO 20CM) WITH CORRODED BORDERS; HMZP:
R                CHLORITIZED HBL (20%)(2-4MM) SUBALLIGNED AT 20DEGREES TO C/A;
R                MILKY WHITE PLAG. LATHS (SUBHEDRAL)(35%)(1-4MM); 5% SUBHEDRAL,
R                BLACK AUGITES (3-4MM); UBIQ. DISEM. PY CUBES (1%)(1-2MM), PLUS
R                0.5% PY BLEBS (1-4MM) AND UP TO 5% PY BLEBS NEAR CA VEINS ;
R                TRACE CP EFFERVESCES WITH HCL ONLY WHEN POWDERED.
D    14485 14950    D/8HMZP
L
R                CONTINUATION OF PRINCIPAL UNIT WITH A FEW 20CM GRANITE DYKES
R                CAUSING LARGER AND MORE ABUNDANT HBL (3-10MM)(25-30%); MORE
R                INTENSE CARBONATE ALTERATION AND UP TO 20% PERVASIVE CL/EP
R                ALTERATION AND 5% EP/CA MICROVEINS; NO INCREASE IN PY OBSERVED
R                HERE (APPEARS TO BE LESS PY BETWEEN 147.5-149.5M WHERE THE ROCK
R                IS TOTALLY FLOODED WITH CA/EP); GRANITE STAINS ABOUT 10% K-SPAR
R                AND VERY SHARP HIGH ANGLE CONTACTS, WHILE HMZP STAINS OVER 30%.
N    15599 15710    D/XQPPG                  0201          J1B3<+<+
L                                            1433              P=  D*
A004 15599 15710              .32
R                QUARTZ PLAGIOCLASE PORPHYRY GRANITE:
R                - SILICIFIED, LIGHT GREEN/WHITE COMPENTANT DYKE WITH HIGH ANGLE
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R                SHARP CONTACTS; HOLOCRYSTALLINE (6-7MM) ANHEDRAL GRAINS; 30%
R                MILKY QUARTZ, 30% BLEBBY HBL (CHLORITIZED, MED. GREEN); 30% MILKY
R                TO WHITE PLAG., APPROXIMATELY 10% INTERSTITIAL K-SPAR; LESS THAN
R                0.5% UBIQ. DISEM. PY CUBES (<1MM IN SIZE); 2% EPIDOTE VEINS
R                (1-3MM); THERE ARE ABOUT 5% 'PLUCKED OUT' CRYSTALS OR ANHEDRAL
R                HOLES WHICH APPEAR TO BE FILLED WITH ROUNDED QTZ CRYSTALS [THEY
R                LOOK LIKE MICRO-GEODES?]
P    16120 21850      XANLT                0201              P2<+
L                                          1422          J=  P)   D.
A004 16120 21850              .05
R                ANDESITIC LAPILLI TUFF:
R                DK. GREEN MATRIX WITH SOME LIGHT GREEN/GREY LAPILLI; SUBANGULAR
R                FRAGMENTS ARE APXT (20%)(1-4CM) AND PPMZ (8-10%)(2-6CM); PPMZ
R                CLASTS CONTAIN WHITE/YELLOW PLAG. (30%)(2-3MM) LATHS; SUBHEDRAL
R                BLACK AUGITES (10-12%)(2-$MM); APPROXIMATELY 40% K-SPAR STAIN
R                AND BASICALLY BARREN OF SULFIEDS; APXT CLAST STAIN ABOUT 15-20%
R                K-SPAR; CONTAIN 1-3MM AUGITES (30%), 15% CLAY-ALTERED PLAG.
R                (1-2MM), AND TRACE DISEM. PY; THE ONLY PY ENCOUNTERED OCCURS AS
R                2-3MM BLEBS, ASSOC. WITH CA/EP VEINS (<0.5% AND VERY LOCALIZED);
R                THERE IS MODERATE ALLIGNMENT ON MANY OF THE PLAG. LATHS, WHICH
R                IS WHY I CALLED THEM INTRUSIVE CLASTS, BUT SOME MAY ARGUE THEY
R                ARE A TYPE OF VOLCANIC FLOW; THE INTERVAL BETWEEN 168.3 AND
R                171.3M IS UNIQUE IN HAVING SEVERAL 3CM PY VEINS (MASSIVE) ASSOC.
R                WITH CARBONATE ALTERATION (5% HAIRLINE CA FRACTURES+MICROVEINS).
D    20200 21850      XANLT                0211                V=<+B-B-
L                                          1543          J1  P+
R                CONTINUATION OF PRINCIPAL UNIT, BUT APPEARS TO BE AN INCREASE
R                IN PPMZ FRAGMENTS (40%)(1-10CM) AND A HIGHER PERCENTAGE OF
R                EPIDOTE VEINS AND BLEBS; STILL ONLY TRACE PY BLEBS THROUGH;
R                <0.5% CP BLEBS FOUND BETWEEN 211 AND 218.4M, ASSOC. WITH CA/EP
R                VEINS; SOME VOLCANIC CLASTS CONTAIN (10%)(2-10MM) EUHEDRAL
R                AUGITES.
A001
AUMM                  SAMP     AU   CU-A AUEQ
RASY               IF CU >0.05:     AUEQ = AU + CU*0.94
RASY              IF CU <=0.05:     AUEQ = AU - CU*0.08
ALAB                        GM/T      %    GM/T
ATYP                          NQ      NQ
AMTH
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A001	4430	4630	C6151
A001	5500	5700	C6152
A001	5700	5880	C6153
A001	5880	6130	C6154
A001	6130	6365	C6155
A001	6365	6445	C6156
A001	6445	6650	C6157
A001	7150	7350	C6158
A001	7800	8000	C6159
A001	8000	8200	C6160
A001	8900	9100	C6161
A001	9100	9210	C6162
A001	9210	9400	C6163
A001	9400	9600	C6164
A001	9600	9800	C6165
A001	9800	10000	C6166
A001	10000	10225	C6167
A001	10225	10390	C6168
A001	11000	11200	C6169
A001	11200	11400	C6170
A001	11400	11600	C6171
A001	12000	12188	C6172
A001	12188	12400	C6173
A001	12400	12600	C6174
A001	12600	12800	C6175
A001	12800	13000	C6176
A001	13000	13200	C6177
A001	13200	13400	C6178
A001	13400	13600	C6179
A001	13600	13800	C6180
A001	13800	14000	C6181
A001	14000	14200	C6182
A001	14200	14400	C6183
A001	14400	14600	C6184
A001	14600	14800	C6185
A001	14800	15000	C6186
A001	15000	15200	C6187
A001	15200	15400	C6188
A001	15400	15599	C6189

A001	15599	15780	C6190
A001	15780	15900	C6191
A001	15900	16120	C6192
A001	16120	16300	C6193
A001	16300	16600	C6194
A001	16600	16800	C6195
A001	16800	17000	C6196
A001	17000	17200	C6197
A001	19900	20100	C6198
A001	20100	20300	C6199
A001	20300	20500	C6200
A001	20500	20700	C6201
A001	20700	20900	C6202
A001	20900	21100	C6203
A001	21100	21300	C6204
A001	21300	21500	C6205
A001	21500	21700	C6206
A001	21700	21850	C6207

A002

AUMM AMTH			REC MS MT	REC% CALC	RQD MS MT	RQD% CALC	HARD EST	BRKG EST	WTHR EST	XJNT CT	XJ/M CALC
A002	2740	3000	1.60	61.54	0.13	5.00	3	5	4	40	15.38
A002	3000	3200	1.30	65.00	0.11	5.50	3	5	4	40	20.00
A002	3200	3400	1.45	72.50	0.30	15.00	3	5	4	40	20.00
A002	3660	3800	0.84	60.00	0.28	20.00	3	8	4	5	3.57
A002	3800	4000	2.00	100.00	1.45	72.50	3	10	4	15	7.50
A002	4000	4200	2.00	100.00	0.67	33.50	3	12	5	10	5.00
A002	4200	4430	2.26	98.26	1.85	80.43	3	13	5	9	3.91
A002	4430	4630	2.15	107.50	1.64	82.00	3	13	7	5	2.50
A002	4630	4800	1.69	99.41	1.22	71.76	3	14	5	4	2.35
A002	4800	5000	2.00	100.00	1.55	77.50	3	13	5	7	3.50
A002	5000	5200	2.10	105.00	1.78	89.00	3	14	5	6	3.00
A002	5200	5500	3.00	100.00	2.47	82.33	3	14	5	5	1.67
A002	5500	5700	2.00	100.00	1.34	67.00	3	13	5	10	5.00
A002	5700	5880	1.78	98.89	1.55	86.11	3	11	5	12	6.67
A002	5880	6130	2.30	92.00	0.91	36.40	3	10	5	17	6.80
A002	6130	6365	1.93	82.13	1.19	50.64	3	12	5	11	4.68
A002	6365	6445	0.70	87.50	0.14	17.50	3	10	5	7	8.75
A002	6445	6650	1.77	86.34	0.50	24.39	3	10	5	20	9.76

A002	6650	6800	1.38	92.00	0.40	26.67	3	9	5	18	12.00
A002	6800	7000	1.87	93.50	0.53	26.50	3	9	5	20	10.00
A002	7000	7150	1.30	86.67	0.80	53.33	3	9	5	8	5.33
A002	7150	7350	1.70	85.00	0.56	28.00	3	9	5	20	10.00
A002	7350	7500	1.50	100.00	0.63	42.00	3	12	5	11	7.33
A002	7500	7800	2.95	98.33	1.46	48.67	3	10	5	25	8.33
A002	7800	8000	1.87	93.50	0.32	16.00	3	10	5	17	8.50
A002	8000	8200	1.92	96.00	0.30	15.00	3	10	5	18	9.00
A002	8200	8400	1.99	99.50	0.37	18.50	3	10	5	17	8.50
A002	8400	8600	1.80	90.00	0.42	21.00	3	9	5	24	12.00
A002	8600	8900	3.05	101.67	1.92	64.00	3	11	5	22	7.33
A002	8900	9100	1.94	97.00	0.72	36.00	3	9	5	21	10.50
A002	9100	9210	1.08	98.18	0.44	40.00	3	10	5	9	8.18
A002	9210	9400	1.80	94.74	0.83	43.68	3	11	5	13	6.84
A002	9400	9600	1.94	97.00	0.93	46.50	3	9	5	20	10.00
A002	9600	9800	1.60	80.00	0.47	23.50	3	8	5	22	11.00
A002	9800	10000	2.04	102.00	1.72	86.00	3	12	5	10	5.00
A002	10000	10225	2.34	104.00	2.03	90.22	3	13	5	9	4.00
A002	10225	10390	1.60	96.97	1.10	66.67	3	11	5	9	5.45
A002	10390	10600	2.12	100.95	1.25	59.52	3	11	5	14	6.67
A002	10600	10800	1.89	94.50	1.38	69.00	3	13	5	6	3.00
A002	10800	11000	2.20	110.00	1.45	72.50	3	12	5	11	5.50
A002	11000	11200	1.88	94.00	1.40	70.00	3	12	5	11	5.50
A002	11200	11400	2.01	100.50	1.66	83.00	3	13	5	7	3.50
A002	11400	11600	1.96	98.00	1.65	82.50	3	12	5	10	5.00
A002	11600	11800	2.00	100.00	1.62	81.00	3	13	5	8	4.00
A002	11800	12000	1.96	98.00	1.70	85.00	3	15	5	3	1.50
A002	12000	12188	1.87	99.47	1.43	76.06	3	11	5	6	3.19
A002	12188	12400	2.12	100.00	1.60	75.47	3	13	5	7	3.30
A002	12400	12600	2.00	100.00	1.69	84.50	3	13	5	3	1.50
A002	12600	12800	2.00	100.00	1.65	82.50	3	13	5	4	2.00
A002	12800	13000	2.00	100.00	1.55	77.50	3	13	5	3	1.50
A002	13000	13200	2.00	100.00	1.86	93.00	3	14	5	2	1.00
A002	13200	13400	2.00	100.00	1.61	80.50	3	13	5	3	1.50
A002	13400	13600	2.00	100.00	1.74	87.00	3	14	5	2	1.00
A002	13600	13800	2.00	100.00	1.39	69.50	3	12	5	3	1.50
A002	13800	14000	2.00	100.00	1.62	81.00	3	13	5	3	1.50
A002	14000	14200	2.00	100.00	1.75	87.50	3	12	5	5	2.50
A002	14200	14400	2.00	100.00	1.70	85.00	3	12	5	5	2.50

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A002 14400 14600          2.00100.00  1.38 69.00     3     10      5      7  3.50
A002 14600 14800          2.00100.00  0.97 48.50     3     10      5      5  2.50
A002 14800 15000          2.00100.00  1.12 56.00     3     10      5      5  2.50
A002 15000 15200          2.00100.00  1.58 79.00     3     12      5      3  1.50
A002 15200 15400          2.00100.00  1.42 71.00     3     12      5      5  2.50
A002 15400 15599          1.99100.00  0.52 26.13     3     10      5      6  3.02
A002 15599 15780          1.90104.97  1.64 90.61     3     13      5      1  0.55
A002 15780 15900          1.20100.00  0.87 72.50     3     11      5      2  1.67
A002 15900 16120          2.20100.00  0.24 10.91     3      9      5     40 18.18
A002 16120 16300          1.80100.00  0.66 36.67     3     10      5     12  6.67
A002 16300 16600          3.00100.00  2.76 92.00     3     12      5      4  1.33
A002 16600 16800          2.00100.00  1.67 83.50     3     10      5      4  2.00
A002 16800 17000          2.00100.00  1.18 59.00     3     10      5      4  2.00
A002 17000 17200          2.00100.00  1.30 65.00     3     10      5      4  2.00
A002 17200 17400          2.00100.00  1.54 77.00     3     11      5      5  2.50
A002 17400 17600          2.00100.00  1.60 80.00     3     12      5      4  2.00
A002 17600 17800          2.00100.00  1.34 67.00     3     12      5      6  3.00
A002 17800 18000          2.00100.00  1.39 69.50     3     11      5      6  3.00
A002 18000 18200          2.00100.00  1.24 62.00     3     11      5      5  2.50
A002 18200 18400          2.00100.00  1.14 57.00     3     10      5      6  3.00
A002 18400 18600          2.00100.00  0.44 22.00     3      9      5     14  7.00
A002 18600 18800          2.00100.00  1.16 58.00     3     10      5      5  2.50
A002 18800 19000          2.00100.00  1.44 72.00     3     10      5      7  3.50
A002 19000 19200          2.00100.00  0.78 39.00     3      9      5     12  6.00
A002 19200 19400          2.00100.00  0.98 49.00     3     10      5     14  7.00
A002 19400 19600          2.00100.00  1.54 77.00     3     12      5      6  3.00
A002 19600 19900          3.00100.00  1.49 49.67     3     10      5     19  6.33
A002 19900 20100          2.00100.00  0.04  2.00     2      7      5     40 20.00
A002 20100 20300          2.00100.00  1.17 58.50     3     10      5     12  6.00
A002 20300 20500          2.00100.00  0.94 47.00     3     10      5      8  4.00
A002 20500 20700          2.00100.00  1.53 76.50     3     11      5      4  2.00
A002 20700 20900          2.00100.00  1.23 61.50     3     11      5      6  3.00
A002 20900 21100          2.00100.00  1.57 78.50     3     12      5      7  3.50
A002 21100 21300          2.00100.00  1.70 85.00     3     12      5      6  3.00
A002 21300 21500          2.00100.00  1.37 68.50     3     11      5      7  3.50
A002 21500 21700          2.00100.00        0.00     3     11      5      6  3.00
A002 21700 21850          1.50100.00  0.84 56.00     3     10      5      4  2.67
A003
AUMM                 SAMP    MA     MW    VOL     SG
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ALAB
ATYP
AMTH
A003  4475  4475    c6151  454.1 304.5 149.6 3.035
A003  6175  6175    c6155  397.2 238.0 159.2 2.495
A003  7825  7825    c6159  318.5 207.8 110.7 2.877
A003  9640  9640    c6165  359.8 223.7 136.1 2.644
A003 10827 10827           480.1 316.2 163.9 2.929
A003 12140 12140    c6172  382.1 245.4 136.7 2.795
A003 14510 14510    c6184  370.6 240.1 130.5 2.840
A003 16990 16990    c6196  380.7 246.9 133.8 2.845
A003 18375 18375           395.4 261.0 134.4 2.942
A003 19860 19860           512.7 335.7 177.0 2.897
A003 21540 21540    c6206  402.2 264.7 137.5 2.925
/END
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Appendix VI

Hole 91-881

Drill log

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IDEN6B0201   28091-881    NQ10SEP91JFM    LDSSEP91S38      GRD  0.00
IPRJ          PLACER DOME INC.              MT. MILLIGAN - OTHER
S000      0 10881MT  230.70  0.00-90.00              9600.00   9800.00   1300.00
S001  10881 21270    230.70  0.00-89.00
S002  21270 23070    230.70  0.00-88.50
/NAM                                                    MSBIE:C:P1C1BOHEG:LIXXYY
LNAM                                                    KFQZCBABP2C2MG  CUM:XXYY
/SCL         MT.2PC.0
LSCL             PC.0        LCTM
A004
AUMM                         MAGSUS
RASY
ALAB
ATYP
AMTH
P         0    600        OVBD
R                  THE SURFACE OF THE BEDROCK IS HIGHLY FRACTURED AND WEATHERED. IT
R                  IS THEREFORE HARD TO DETERMINE THE EXACT THICKNESS OF THE
R                  OVERBURDEN. THE CASING WAS LOWERED TO 12.2M. BECAUSE OF THE
R                  SOFTNESS OF THE ROCK. 6M IS AN ESTIMATE BY THE DRILLERS OF
R                  BEGINNING OF BEDROCK.
P       600   1220        CASE
KOXD   5035   5035
R                  LOWER LIMIT OF SUPERGENE OXIDE ZONE AS DETERMINED BY LIMONITE
R                  ALTERATION ON FRACTURED SURFACE.
P      1220 23070        ANLT                 0202              <=<=D*
L                                              0312                    D*
R                  HETEROLITHIC ANDESITIE LAPILLI TUFF:
R                  THIS IS LIGHT GREY FINE GRAINED ROCK WITH LAPILLI. THESE LAPILLI
R                  RANGE FROM 0.5CM TO ABOUT 19CM BUT ARE MOSTLY AROUND 5CM IN
R                  DIAMETER. THEY ARE HETEROLITHIC IN COMPOSITION. LAPILLI MADE UP
R                  BETWEEN 5 AND 10% OF THE ROCK. THE MATRIX IS MADE OF COARSE TO
R                  MEDIUM ASH WITH ANDESITIC COMPOSITION. THE MAIN CHARACTERISTIC
R                  OF THIS ROCK IS IT ALTERATION MADE OF CARBONATE EPIDOTE AND
R                  ALBITE IN A NETWORK OF STRINGERS AND MICROVEINS. THIS ALTERATION
R                  AFFECTS 10% OF THE ROCK. MINERALIZATION IS VERY POOR WITH AROUND
R                  0.1 TO 0.3% EUHEDRAL, DISSEMINATED PYRITE. PYRITE IS ALSO,
R                  SELDOMLY CONTAINED IN VEINLETS. THERE IS ABOUT 0.5% MAGNETITE AS
R                  INDICATED BY MAGNETIC SUSCEPTIBILITY METER (ATTRACT MAGNET) UP
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R                TO 78METERS AND AFTER THAT METERAGE, THAT FADES AWAY.
D     1220  2530       X                                                    <=
L                                        5XX9
R                INTENSELY FRACTURED ZONE WITH A LIMONITE ALTERATION OF OF SOME
R                FRACTURE PLANES.
D     2530  3510       X                                          U)        <*
L                                        1243
R                THE NUMBER OF FRACTURES DIMINSHES FROM LAST DITTO INTERVAL BUT
R                IS STILL HIGHER THAN THE AVERAGE. PYRITE CONTENT INCREASES.
R                THERE IS STILL LIMONITE ON THE FRACTURES.
A004  1220  9000              1.2
D     4000  4400       X                                                    <*
L                                        2313
R                A SLIGHLY MORE FRACTURED ZONE.
D     4880  4980     S5X
L                                        XXXX
R                SHEARED ZONE
N     6070  6518       XMPHD             0212              <=<=
L                                                            <=D(
R                PLAGIOCLASE HORNBLENDE PYROXENE MONZONITE PORPHYRY DYKE:
R                DARK GREY WITH WHITE PORPHRES ROCK. THE ROCK IS COMPOSED OF 30%
R                PLAGIOCLASE PORPHYRY, EUHEDRAL (LATH SHAPED) AND RANGING FROM
R                3MM TO 0.5MM IN DIAMETER; 7% HORNBLENDE PORPHYRY SUBHEDRAL TO
R                EUHEDRAL (NEEDLE SHAPED) AND RANGING FROM 3 TO 0.2MM. THE MATRIX
R                IS FINE GRAINED, MATRIX CONTAINING 70% K-FELDSPAR (HEAVY
R                STAINING), 10% PLAGIOCLASE AND 20% MAFICS. AS FOR THE PRINCIPAL
R                INTERVAL, THE MAIN ALTERATION IS A NETWORK OF MICROVEINS AND
R                STRINGERS THAT ARE COMPOSED OF EPIDOTE (COLOUR), CALCITE
R                (FIZZES) AND PROBABLY ALBITE (HARDNESS). VERY LITTLE
R                MINERALIZATION, 0.1% FINE GRAINED EUHEDRAL PYRITE. THE UPPER
R                CONTACT IS SHARP AND AT 42DEGREES TO CORE AXIS WHILE LOWER
R                CONTACT IS CONTAINED WITHIN 5CM AND IS AT 73DEGREES.
A004  9000 11500              .21
N    11525 11930       XMPHD             0212              V=V+D*
L                                        1423
R                PLAGIOCLASE PYROXENE HORNBLENDE MONZONITE PORPHYRY DYKE:
R                THIS MEDIUM TO DARK GREY MONZONITE IS COMPOSED OF 35% PLAIOCLASE
R                LATH, MOSTLY EUHEDRAL, RANGING FROM 3MM TO 0.5MM; 10% ANHEDRAL
R                PYROXENE RANGNG FROM 3MM TO 0.5MM; 2-3% HORNBLENDE EUHEDRAL
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R               PHENOCRYSTS RANGING FROM 1.5 TO 0.5MM IN LENGTH AND ABOUT 50%
R               MATRIX WHICH SUBDIVIDES AS FOLLOW: 75% K-FELDSPAR (HEAVY
R               STAINING), 15% MAFIC MINERALS (TOO SMALL TO PRECISE) AND ABOUT
R               10% PLAGIOCLASE (WHICH IS FINE TO MEDIUM GRAINED). THE REMAINING
R               2-3% OF THIS ROCK IS COMPOSED OF HETEROLITHIC ZENOLITHS WHICH
R               RANGE FROM 1-3CM IN DIAMETER AND ARE MAINLY SUBROUNDED. THE MAIN
R               ALTERATION IS VEINLETS OF CARBONATE-EPIDOTE AND MINERALIZATION
R               IS POOR WITH ABOUT 0.3% DISSEMINATED EUHEDRAL PYRITE. BOTH
R               CONTACTS ARE QUITE SHARP WITH BOTH OF THEM BEGINNING AT
R               46DEGREES.
A004 11500 11900              .75
D    11900 14080      X                    1122              P1  V)
L                                          1223
R               PYRITE CONTENT IS UP TO 1%. ALTERATION BECOMES MOSTLY CHLORITIC
R               AND EPIDOTE TENDS TO BE ASSOCIATED WITH VEINS.
D    14080 14240      X                    0202                  D)
L                                          1032              P3
R               HIGH PERVASIVE CARBONATE ALTERATION. ABOUT 2% PYRITE.
A004 11900 23070              .09
D    14200 15300      X                    1122              V=V=V)          CL
L                                          1223                              P1
R               PYRITE CONTACT IS ALSO UP TO 1%. ALTERATION CONTIUES TO BE
R               MOSTLY CHLORITIC WITH A WELL DEVELOPED NETWORK OF VEINLETS AND
R               STRINGERS OF EPIDOTE-CALCITE-PYRITE. THE ROCK BECOMES BRECCIATED
R               FOR 20CM AT METERAGE 147.2 AND 147.6. EVERY NOW AND THEN, THE
R               MATRIX BECOMES COASER BUT IT IS FOR LIMITED INTERVALS AND
R               QUICKLY AND GRADUALLY GOES BACK TO THE FINER ASH TUFF.
D    15300 15400      X
L                                          3XX6
R               HIGHLY FRACTURED ZONE
D    15400 16710      X                    1212                              CL
L                                          1534          P=                  P1
R               PYRITE MINERALIZATION IS BACK TO 0.1-0.3% DISSEMINATED AND FINE
R               GRAINED. ALTERATION HOWEVER IS MAINLY CHLORITE, PERVASIVE. SOME
R               CALCITE VEINS AND THE OCCASSIONAL EPIDOTE-PYRITE VEINLETS ARE
R               PRESENT. LAPILLI ARE BECOMMING FARTHER IN BETWEEN AND DIMINSH IN
R               SIZE. THERE IS A SLIGHTLY HIGHER % OF K-FELDSPAR IN THE MATRIX
R               THAN AT THE BEGINNING OF THE LAPILLI TUFF UNIT.
D    17160 17210      X                    0403                  <=
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L                                       0021                    P3V=
R               THIS ZONE WAS FLOODED BY ALBITE. IT'S NOW VERY HARD, HARDLY
R               EFFERVESCENT, DOES NOT STAIN AND HAS THIS CREAMY GREYISH COLOUR.
R               A SMALL (1CM) VEIN OF PYRITE IS THE MAJORITY OF MINERALIZATION.
D     17210 17250       X                 0000                P7  O2          CL
L                                       0032                        D)      O1
R               THIS SMALL ZONE CONSISTS OF (70%) EPIDOTE, (10%) CHLORITE AND
R               (20%) FINE GRAINED SPOTTY PYRITE. THERE IS 1% DISSEMINATED PYRITE
R               AS THE M.S.M. READS 4.6.
D     17210 17380       X                 0403                <=
L                                       0021                P2V=
R               THIS ZONE EAS FLOODED BY ALBITE. IT IS NOW VERY HARD, HARDLY
R               EFFERVESCENT, DOES NOT STAIN AND HAS THIS CREAMY GREY LOOK TO
R               IT. TWO LITTLE VEINLETS OF PYRITE CONSTITUTE THE MINERALIZATION.
D     17380 20300       X                 1202                        CL
L                                       0202          P=            P1
R               THIS INTERVAL IS CONSISTENT. IT IS VERY SIMILAR TO THE UPPER
R               PART OF THE UNIT. SULFIEDS IS MOSTLY IN VEINLETS BUT THEY ARE
R               IN BETWEEN. THE MAIN ALTERATION IS 10% CHLORITE WITH FEW
R               CALCITE-EOIDOTE VEINLETS AND MICROVEINS. VERY FEW CLASTS. THERE
R               IS A CERTAIN AMOUNT OF SECONDARY K-FLEDSPAR IN THE MATRIX.
D     20300 20460       X                 0302              V1V)V=
L                                       0233          P=    V)
R               SMALL INTERVAL CONTAINING A HIGHER PERCENTAGE OF EPIDOTE AND
R               PYRITE VEINS. THERE IS ALSO SOME CALCITE-ALBITE VEINLETS.
D     20460 22690       X                 0201              O)V)O=          CL
L                                       1123          P=    V)              P1
R               THE STRIKING FEATURE OF THIS INTERVAL IN THE SMALL LAPILLI
R               (AVERAGING 1.5CM). THEY ARE WHITE AND THE MATRIX IS VREY DARK
R               (CHLORITIZED). THEY SEEM TO OF INTRUSIVE ORIGIN. THE MATRIX IS
R               CHLORITIZED. MINERALIZATION DOES NOT SEEM TO BE RESTRICTED TO
R               EITHER CLASTS OR MATRIX HOWEVER WHEN IN CLASTS, IT IS USUALLY AS
R               MAFIC PHENOCRYSTS REPLACEMENT (AUGITE). EVERY NOW AND THEN, ONE
R               OF THE LAPILLI WILL EPIDOTIZED. PYRITE APPEARS AS SPOTS OF FINE
R               GRAINED OR COARSE GRAINED EUHEDRAL CRYSTALS.
D     22690 23070       X                 3102                V)          CL
L                                       1212          P=      D*          P2
R               THIS INTERVAL HAS LOST MOST OF ITS CLAST (AS OPPOSED TO THE
R               PREVIOUS DITTO), IT IS MODERATELY CHLORITIZED. VERY LITTLE
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R                PYRITE AND IT COMES AS FINE GRAINED AND DISSEMINATED.
A001
AUMM                    SAMP     AU   CU-A AUEQ
RASY                 IF CU >0.05:    AUEQ = AU + CU*0.94
RASY                IF CU <=0.05:    AUEQ = AU - CU*0.08
ALAB                          GM/T     %   GM/T
ATYP                            NQ     NQ
AMTH
A001   1500   1700     C6208
A001   1700   1900     C6209
A001   1900   2100     C6210
A001   4500   4700     C6211
A001   4700   4900     C6212
A001   4900   5100     C6213
A001   5100   5300     C6214
A001   5900   6070     C6215
A001   6070   6150     C6216
A001   6300   6518     C6217
A001   6518   6700     C6218
A001   7650   7750     C6219
A001   8500   8700     C6220
A001  10000  10100     C6221
A001  10100  10200     C6222
A001  11400  11525     C6223
A001  11525  11600     C6224
A001  11800  11930     C6225
A001  11930  12030     C6226
A001  12030  12130     C6227
A001  13700  13800     C6228
A001  13800  13900     C6229
A001  15150  15250     C6230
A001  15250  15350     C6231
A001  15350  15450     C6232
A001  17100  17200     C6233
A001  17200  17280     C6234
A001  17280  17400     C6235
A001  18400  18600     C6236
A001  18600  18800     C6237
A001  19900  20100     C6238
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A001	20100	20300	C6239
A001	20300	20500	C6240
A001	20500	20700	C6241
A001	20700	20900	C6242
A001	20900	21100	C6243
A001	21100	21300	C6244
A001	21300	21500	C6245
A001	21500	21700	C6246
A001	21700	21900	C6247
A001	21900	22100	C6248
A001	22100	22300	C6249
A001	22300	22500	C6250
A001	22500	22700	C6251

A002

AUMM AMTH			REC MS MT	REC% CALC	RQD MS MT	RQD% CALC	HARD EST	BRKG EST	WTHR EST	XJNT CT	XJ/M CALC
A002	1220	1500	2.01	71.79	0.00	0.00	3	4	4	40	14.29
A002	1500	1700	1.88	94.00	0.00	0.00	3	4	4	40	20.00
A002	1700	1900	1.50	75.00	0.00	0.00	3	5	4	40	20.00
A002	1900	2100	1.60	80.00	0.10	5.00	3	5	4	40	20.00
A002	2100	2300	1.62	81.00	0.14	7.00	3	5	4	40	20.00
A002	2300	2500	1.68	84.00	0.10	5.00	3	4	4	40	20.00
A002	2500	2700	1.85	92.50	0.64	32.00	3	9	4	28	14.00
A002	2700	2900	1.89	94.50	0.72	36.00	3	10	4	18	9.00
A002	2900	3100	1.93	96.50	1.39	69.50	3	11	4	11	5.50
A002	3100	3300	2.00	100.00	0.99	49.50	3	10	4	14	7.00
A002	3300	3500	2.00	100.00	0.53	26.50	3	9	4	20	10.00
A002	3500	3700	2.00	100.00	0.76	38.00	3	9	4	16	8.00
A002	3700	3900	2.00	100.00	1.33	66.50	3	11	4	7	3.50
A002	3900	4100	2.00	100.00	0.46	23.00	3	10	4	20	10.00
A002	4100	4300	1.92	96.00	0.55	27.50	3	9	4	24	12.00
A002	4300	4500	1.85	92.50	0.50	25.00	3	9	4	19	9.50
A002	4500	4700	1.94	97.00	0.96	48.00	3	10	4	15	7.50
A002	4700	4900	1.93	96.50	0.55	27.50	3	10	4	20	10.00
A002	4900	5100	1.76	88.00	0.37	18.50	3	9	4	40	20.00
A002	5100	5300	2.00	100.00	1.10	55.00	3	10	5	14	7.00
A002	5300	5500	2.00	100.00	1.04	52.00	3	10	5	12	6.00
A002	5500	5700	2.00	100.00	1.39	69.50	3	11	5	8	4.00
A002	5700	5900	2.00	100.00	1.07	53.50	3	10	5	9	4.50

A002	5900	6070	1.70	100.00	0.91	53.53	3	10	5	10	5.88
A002	6070	6150	0.80	100.00	0.65	81.25	3	9	5	24	30.00
A002	6150	6300	1.50	100.00	0.74	49.33	3	9	5	16	10.67
A002	6300	6518	2.18	100.00	0.83	38.07	3	10	5	9	4.13
A002	6518	6700	1.92	105.49	0.95	52.20	3	10	5	10	5.49
A002	6700	6900	2.00	100.00	1.49	74.50	3	11	5	6	3.00
A002	6900	7100	2.00	100.00	1.59	79.50	3	12	5	5	2.50
A002	7100	7300	2.00	100.00	1.58	79.00	3	12	5	5	2.50
A002	7300	7500	2.00	100.00	1.22	61.00	3	11	5	8	4.00
A002	7500	7650	1.50	100.00	0.63	42.00	3	10	5	7	4.67
A002	7650	7750	1.00	100.00	0.46	46.00	3	10	5	7	7.00
A002	7750	7900	1.50	100.00	0.87	58.00	3	10	5	7	4.67
A002	7000	8100	2.00	18.18	1.75	15.91	3	11	5	8	0.73
A002	8100	8300	2.00	100.00	1.22	61.00	3	12	5	7	3.50
A002	8300	8500	2.00	100.00	1.01	50.50	3	10	5	10	5.00
A002	8500	8700	2.00	100.00	1.15	57.50	3	10	5	12	6.00
A002	8700	8900	2.00	100.00	1.07	53.50	3	10	5	14	7.00
A002	8900	9100	2.00	100.00	0.94	47.00	3	9	5	18	9.00
A002	9100	9300	2.00	100.00	0.84	42.00	3	9	5	16	8.00
A002	9300	9500	2.00	100.00	1.29	64.50	3	10	5	10	5.00
A002	9500	9700	2.00	100.00	1.24	62.00	3	10	5	8	4.00
A002	9700	9900	2.00	100.00	0.53	26.50	2	9	5	20	10.00
A002	9900	10000	1.00	100.00	0.20	20.00	3	9	5	10	10.00
A002	10000	10100	1.00	100.00	0.89	89.00	3	12	5	5	5.00
A002	10100	10200	1.00	100.00	0.43	43.00	3	10	5	4	4.00
A002	10200	10400	2.00	100.00	0.78	39.00	2	10	5	10	5.00
A002	10400	10600	2.00	100.00	1.03	51.50	3	10	5	7	3.50
A002	10600	10800	2.00	100.00	1.10	55.00	3	10	5	9	4.50
A002	10800	11000	2.00	100.00	1.17	58.50	3	11	5	12	6.00
A002	11000	11200	2.00	100.00	1.00	50.00	3	10	5	10	5.00
A002	11200	11400	2.00	100.00	1.02	51.00	3	10	5	12	6.00
A002	11400	11525	1.25	100.00	0.42	33.60	3	10	5	8	6.40
A002	11525	11600	0.75	100.00	0.60	80.00	3	9	5	3	4.00
A002	11600	11800	2.00	100.00	1.07	53.50	3	11	5	7	3.50
A002	11800	11930	1.30	100.00	0.98	75.38	3	11	5	4	3.08
A002	11930	12030	1.00	100.00	0.58	58.00	3	11	5	3	3.00
A002	12030	12130	1.00	100.00	0.14	14.00	3	9	5	6	6.00
A002	12130	12300	1.70	100.00	1.13	66.47	3	9	5	7	4.12
A002	12300	12500	2.00	100.00	1.43	71.50	3	11	5	10	5.00

A002	12500	12700	2.00100.00	1.15	57.50	3	10	5	10	5.00
A002	12700	12900	2.00100.00	1.30	65.00	3	11	5	7	3.50
A002	12900	13100	2.00100.00	1.11	55.50	3	11	5	8	4.00
A002	13100	13300	2.00100.00	1.51	75.50	3	12	5	6	3.00
A002	13300	13500	2.00100.00	1.23	61.50	3	11	5	7	3.50
A002	13500	13700	2.00100.00	1.29	64.50	3	11	5	6	3.00
A002	13700	13800	1.00100.00	0.43	43.00	3	10	5	4	4.00
A002	13800	13900	1.00100.00	0.61	61.00	3	9	5	5	5.00
A002	13900	14100	2.00100.00	1.04	52.00	3	10	5	8	4.00
A002	14100	14300	2.00100.00	0.87	43.50	3	10	5	8	4.00
A002	14300	14500	2.00100.00	1.34	67.00	3	10	5	10	5.00
A002	14500	14700	2.00100.00	0.85	42.50	3	9	5	12	6.00
A002	14700	14900	2.00100.00	1.25	62.50	3	10	5	14	7.00
A002	14900	15150	1.50 60.00	1.52	60.80	3	11	5	12	4.80
A002	15150	15250	1.01101.00	0.44	44.00	3	9	5	7	7.00
A002	15250	15350	0.89 89.00	0.36	36.00	3	10	5	12	12.00
A002	15350	15450	1.00100.00	0.21	21.00	3	9	5	10	10.00
A002	15450	15600	1.49 99.33	0.36	24.00	3	9	5	12	8.00
A002	15600	15800	2.00100.00	0.63	31.50	3	9	5	11	5.50
A002	15800	16000	2.00100.00	0.78	39.00	3	9	5	14	7.00
A002	16000	16200	2.00100.00	0.29	14.50	3	9	5	19	9.50
A002	16200	16400	2.00100.00	0.54	27.00	3	9	5	21	10.50
A002	16400	16600	1.94 97.00	0.21	10.50	3	9	5	26	13.00
A002	16600	16800	2.10105.00	0.76	38.00	3	9	5	19	9.50
A002	16800	17000	1.63 81.50	0.19	9.50	3	9	5	16	8.00
A002	17000	17100	1.00100.00	0.73	73.00	3	10	5	6	6.00
A002	17100	17200	0.88 88.00	0.64	64.00	3	11	5	2	2.00
A002	17200	17280	0.99100.00	0.72	90.00	3	10	5	3	3.75
A002	17280	17400	1.22101.67	1.02	85.00	3	10	5	3	2.50
A002	17400	17600	2.00100.00	1.26	63.00	3	10	5	6	3.00
A002	17600	17800	2.00100.00	1.64	82.00	3	12	5	4	2.00
A002	17800	18000	2.00100.00	1.12	56.00	3	10	5	9	4.50
A002	18000	18200	2.00100.00	1.53	76.50	3	12	5	7	3.50
A002	18200	18400	2.00100.00	1.49	74.50	3	12	5	6	3.00
A002	18400	18600	2.00100.00	1.79	89.50	3	13	5	4	2.00
A002	18600	18800	2.00100.00	1.52	76.00	3	12	5	5	2.50
A002	18800	19000	2.00100.00	1.44	72.00	3	12	5	7	3.50
A002	19000	19200	2.00100.00	1.72	86.00	3	13	5	4	2.00
A002	19200	19400	2.00100.00	0.46	23.00	3	10	5	6	3.00

```
A002 19400 19600              2.00100.00  1.40 70.00      3     10      5      5  2.50
A002 19600 19800              2.00100.00  0.59 29.50      3      9      5     16  8.00
A002 19800 19900              1.00100.00  0.55 55.00      3      9      5      4  4.00
A002 19900 20100              2.00100.00  1.32 66.00      3     10      5     10  5.00
A002 20100 20300              2.00100.00  1.56 78.00      3     11      5      9  4.50
A002 20300 20500              2.00100.00  1.50 75.00      3     11      5      5  2.50
A002 20500 20700              2.00100.00  1.58 79.00      3     11      5      4  2.00
A002 20700 20900              2.00100.00  1.38 69.00      3     11      5      4  2.00
A002 20900 21100              2.00100.00  1.42 71.00      3     12      5      3  1.50
A002 21100 21300              2.00100.00  1.64 82.00      3     12      5      5  2.50
A002 21300 21500              2.00100.00  1.53 76.50      3     12      5      4  2.00
A002 21500 21700              2.00100.00  1.63 81.50      3     13      5      4  2.00
A002 21700 21900              2.00100.00  1.52 76.00      3     13      5      5  2.50
A002 21900 22100              2.00100.00  1.90 95.00      3     15      5      2  1.00
A002 22100 22300              2.00100.00  1.51 75.50      3     13      5      3  1.50
A002 22300 22500              2.00100.00  1.38 69.00      3     11      5      6  3.00
A002 22500 22700              2.00100.00  1.44 72.00      3     13      5      6  3.00
A002 22700 22900              2.00100.00  1.60 80.00      3     13      5      4  2.00
A002 22900 23070              1.70100.00  1.45 85.29      3     12      5      6  3.53
A003
AUMM                    SAMP     MA     MW    VOL     SG
ALAB
ATYP
AMTH
A003  2110  2110              753.3 500.2 253.1 2.976
A003  4755  4755    C6212     801.4 529.1 272.3 2.943
A003  8485  8485              509.4 333.6 175.8 2.898
A003 11270 11270              759.3 497.0 262.3 2.895
A003 11545 11545    C6224     555.8 366.0 189.8 2.928
A003 13940 13940              605.3 383.2 222.1 2.725
A003 16285 16285              557.8 369.2 188.6 2.958
A003 18510 18510    C6236     820.1 547.5 272.6 3.008
A003 10865 10865    C6242     600.0 400.5 199.5 3.008
A003 23060 23060              890.0 614.2 275.8 3.227
A005
AUMM                    SAMP     AU     CU
ALAB
ATYP
AMTH
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A005	1490	1730	A27174
A005	1730	2030	A27175
A005	2030	2340	A27176
A005	2340	2640	A27177
A005	2640	2950	A27178
A005	2950	3250	A27179
A005	3250	3560	A27180
A005	3560	3860	A27181
A005	3860	4170	A27182
A005	4170	4470	A27183
A005	4470	4780	A27184
A005	4780	5080	A27185
A005	5080	5390	A27186
A005	5390	5690	A27187
A005	5690	6000	A27188
A005	6000	6300	A27189
A005	6300	6610	A27190
A005	6610	6910	A27191
A005	6910	7220	A27192
A005	7220	7520	A27193
A005	7520	7830	A27194
A005	7830	8130	A27195
A005	8130	8440	A27196
A005	8440	8740	A27197
A005	8740	9050	A27198
A005	9050	9350	A27199
A005	9350	9650	A27200
A005	9650	9960	A27201
A005	9960	10260	A27202
A005	10260	10570	A27203
A005	10570	10870	A27204
A005	10870	11180	A27205
A005	11180	11480	A27206
A005	11480	11790	A27207
A005	11790	12090	A27208
A005	12090	12400	A27209
A005	12400	12700	A27210
A005	12700	13010	A27211
A005	13010	13310	A27212

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A005 13310 13620    A27213
A005 13620 13920    A27214
A005 13920 14230    A27215
A005 14230 14530    A27216
A005 14530 14840    A27217
A005 14840 15140    A27218
A005 15140 15450    A27219
A005 15450 15750    A27220
A005 15750 16060    A27221
A005 16060 16360    A27222
A005 16360 16670    A27223
A005 16670 16970    A27224
A005 16970 17270    A27225
A005 17270 17580    A27226
A005 17580 17880    A27227
A005 17880 18190    A27228
A005 18190 18490    A27229
A005 18490 18800    A27230
A005 18800 19100    A27231
A005 19100 19410    A27232
A005 19410 19710    A27233
A005 19710 20020    A27234
A005 20020 20320    A27235
A005 20320 20630    A27236
A005 20630 20930    A27237
A005 20930 21240    A27238
A005 21240 21540    A27239
A005 21540 21850    A27240
A005 21850 22150    A27241
A005 22150 22460    A27242
A005 22460 22760    A27243
A005 22760 23070    A27244
/END
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Appendix III

Core Cu, Au Assay results

Appendix III

Hole 91-879

Assay results

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1V-1051-RA1

Company: PLACER DOME INC.
Project: MILLIGAN 280/91-879
Attn: L.WARNER

Date: SEP-16-91
Copy 1. PLACER DOME INC., KAMLOOPS, B.C.

We hereby certify the following Assay of 24 DRILL CORE samples submitted SEP-12-91 by L WARNER.

Sample Number	*AU g/tonne	*AU oz/ton	*AU g/tonne	*AU oz/ton	CU %	CU %
91-879-1 C5985	.03	.001	.07	.002	.161	.154
91-879-1 C5986	.01	.001			.110	
91-879-1 C5987	.01	.001			.029	
91-879-1 C5988	.01	.001			.041	
91-879-1 C5989	.01	.001			.047	
91-879-1 C5990	.01	.001			.122	
91-879-1 C5991	.01	.001			.194	
91-879-2 C5992	.01	.001			.137	
91-879-2 C5993	.01	.001			.069	
91-879-2 C5994	.01	.001			.024	
91-879-2 C5995	.02	.001	.01	.001	.035	.034
91-879-2 C5996	.01	.001			.042	
91-879-2 C5997	.01	.001			.031	
91-879-3 C5998	.01	.001			.040	
91-879-3 C5999	.01	.001			.043	
91-879-3 C6000	.01	.001			.024	
91-879-3 C6001	.01	.001			.031	
91-879-3 C6002	.02	.001	.01	.001	.034	.034
91-879-4 C6003	.01	.001			.045	
91-879-4 C6004	.01	.001			.056	
91-879-4 C6005	.01	.001			.043	
91-879-4 C6006	.01	.001			.055	
91-879-4 C6007	.01	.001			.072	
91-879-5 C6008	.01	.001			.031	
STD	.82	.024				
BLK	.01	.001				

*AU - 1 ASSAY TON.

PLACER DEVELOPMENT LTD.
DATA
Received Sept 19/91
File Ref.
File No. 3540200

Certified by _____
MIN-EN LABORATORIES

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1V-1051-RA2

Company: PLACER DOME INC. Date: SEP-16-91
Project: MILLIGAN 280/91-879 Copy 1. PLACER DOME INC., KAMLOOPS, B.C.
Attn: L.WARNER

He hereby certify the following Assay of 24 DRILL CORE samples submitted SEP-12-91 by L WARNER.

Sample Number	*AU g/tonne	*AU oz/ton	*AU g/tonne	*AU oz/ton	CU %	CU %
91-879-5 C6009	.02	.001	.02	.001	.053	.051
91-879-5 C6010	.01	.001			.084	
91-879-5 C6011	.01	.001			.051	
91-879-5 C6012	.01	.001			.059	
91-879-6 C6013	.01	.001			.054	
91-879-6 C6014	.01	.001			.065	
91-879-6 C6015	.01	.001			.099	
91-879-6 C6016	.01	.001			.124	
91-879-6 C6017	.01	.001			.101	
91-879-6 C6018	.01	.001			.075	
91-879-7 C6019	.01	.001			.062	
91-879-7 C6020	.02	.001			.080	
91-879-7 C6021	.01	.001			.041	
91-879-7 C6022	.02	.001	.02	.001	.068	.068
91-879-7 C6023	.01	.001			.061	
91-879-8 C6024	.01	.001			.059	
91-879-8 C6025	.02	.001			.062	
91-879-8 C6026	.01	.001			.137	
91-879-8 C6027	.01	.001			.105	
91-879-8 C6028	.06	.002	.08	.002	.096	.096
91-879-9 C6029	.01	.001			.094	
91-879-9 C6030	.01	.001			.071	
91-879-9 C6031	.01	.001			.045	
91-879-9 C6032	.01	.001			.035	
STD	.87	.025				
BLK	.01	.001				

*AU - 1 ASSAY TON.

Certified by _____

MIN-EN LABORATORIES

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1V-1051-RA3

Company: PLACER DOME INC.
Project: MILLIGAN 280/91-879
Attn: L. WARNER

Date: SEP-16-91
Copy 1. PLACER DOME INC., KAMLOOPS, B.C.

He hereby certify the following Assay of 24 DRILL CORE samples submitted SEP-12-91 by L WARNER.

Sample Number	*AU g/tonne	*AU oz/ton	*AU g/tonne	*AU oz/ton	CU %	Cu %
91-879-9 C6033	.01	.001			.025	
91-879-9 C6034	.02	.001			.036	
91-879-10 C6035	.01	.001			.034	
91-879-10 C6036	.01	.001			.035	
91-879-10 C6037	.02	.001			.039	
91-879-10 C6038	.01	.001			.033	
91-879-10 C6039	.02	.001			.075	
91-879-10 C6040	.01	.001			.096	
91-879-11 C6041	.02	.001			.105	
91-879-11 C6042	.01	.001			.120	
91-879-11 C6043	.01	.001			.103	
91-879-11 C6044	.02	.001	.02	.001	.061	.085
91-879-11 C6045	.01	.001			.074	
91-879-11 C6046	.01	.001			.081	
91-879-12 C6047	.06	.002	.03	.001	.137	.136
91-879-12 C6048	.02	.001			.160	
91-879-12 C6049	.01	.001			.148	
91-879-12 C6050	.01	.001			.015	
91-879-12 C6051	.03	.001	.04	.001	.010	.009
91-879-12 C6052	.01	.001			.092	
91-879-13 C6053	.01	.001			.100	
91-879-13 C6054	.01	.001			.086	
91-879-13 C6055	.01	.001			.127	
91-879-13 C6056	.01	.001			.146	
STD	.85	.025			.252	
BLK	.01	.001				

*AU - 1 ASSAY TON.

Certified by _____

MIN-EN LABORATORIES

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(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

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SMITHERS, B.C. CANADA V0J 2N0
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FAX (604) 847-3005

Assay Certificate

1V-1051-RA4

Company: PLACER DOME INC.
Project: MILLIGAN 280/91-879
Attn: L.WARNER

Date: SEP-16-91
Copy 1. PLACER DOME INC., KAMLOOPS, B.C.

We hereby certify the following Assay of 24 DRILL CORE samples submitted SEP-12-91 by L WARNER.

Sample Number	*AU g/tonne	*AU oz/ton	*AU g/tonne	*AU oz/ton	CU %	CU %
91-879-13 C6057	.01	.001			.131	
91-879-13 C6058	.06	.002	.07	.002	.128	.123
91-879-14 C6059	.01	.001			.093	
91-879-14 C6060	.04	.001	.03	.001	.138	.130
91-879-14 C6061	.01	.001			.007	
91-879-14 C6062	.01	.001			.008	
91-879-14 C6063	.02	.001			.121	
91-879-14 C6064	.01	.001			.129	
91-879-15 C6065	.02	.001			.137	
91-879-15 C6066	.01	.001			.151	
91-879-15 C6067	.01	.001			.138	
91-879-15 C6068	.02	.001	.02	.001	.177	.182
91-879-15 C6069	.01	.001			.069	
91-879-15 C6070	.02	.001			.034	
91-879-16 C6071	.01	.001			.016	
91-879-16 C6072	.01	.001			.136	
91-879-16 C6073	.01	.001			.138	
91-879-16 C6074	.01	.001			.073	
91-879-16 C6075	.01	.001			.106	
91-879-16 C6076	.01	.001			.077	
91-879-17 C6077	.01	.001			.069	
91-879-17 C6078	.01	.001			.066	
91-879-17 C6079	.01	.001			.058	
91-879-17 C6080	.01	.001			.069	
STD	.84	.025				
BLK	.01	.001				

*AU - 1 ASSAY TON.

Certified by _____

MIN-EN LABORATORIES

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

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CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

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

Assay Certificate

1V-1051-RA5

Company: PLACER DOME INC.
Project: MILLIGAN 280/91-879
Attn: L.WARNER

Date: SEP-16-91
Copy 1. PLACER DOME INC., KAMLOOPS, B.C.

We hereby certify the following Assay of 24 DRILL CORE samples submitted SEP-12-91 by L WARNER.

Sample Number	*AU g/tonne	*AU oz/ton	*AU g/tonne	*AU oz/ton	CU %	CU %
91-879-17 C6081	.01	.001	.02	.001	.108	.107
91-879-16 C6082	.01	.001			.102	
91-879-18 C6083	.01	.001			.073	
91-879-19 C6084	.01	.001			.009	
91-879-19 C6085	.01	.001			.001	
91-879-19 C6086	.01	.001			.001	
91-879-19 C6087	.02	.001	.05	.001	.004	.004
91-879-19 C6088	.01	.001			.002	
91-879-19 C6089	.01	.001			.014	
91-879-20 C6090	.01	.001			.013	
91-879-20 C6091	.01	.001			.005	
91-879-20 C6092	.01	.001			.002	
91-879-20 C6093	.01	.001			.003	
91-879-20 C6094	.01	.001			.006	
91-879-20 C6095	.01	.001			.100	
91-879-21 C6096	.01	.001			.087	
91-879-21 C6097	.01	.001			.070	
91-879-21 C6098	.01	.001			.055	
91-879-21 C6099	.01	.001			.067	
91-879-21 C6100	.01	.001			.065	
91-879-21 C6101	.01	.001			.061	
91-879-22 C6102	.01	.001			.052	
91-879-22 C6103	.02	.001	.02	.001	.061	.058
91-879-22 C6104	.01	.001			.047	
STD	.86	.025				
BLK	.01	.001				

*AU - 1 ASSAY TON.

Certified by _____

MIN-EN LABORATORIES

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1V-1051-RA6

Company: PLACER DOME INC.
Project: MILLIGAN 280/91-879
Attn: L.WARNER

Date: SEP-16-91
Copy 1. PLACER DOME INC., KAMLOOPS, B.C.

We hereby certify the following Assay of 24 DRILL CORE samples submitted SEP-12-91 by L WARNER.

Sample Number	*AU g/tonne	*AU oz/ton	*AU g/tonne	*AU oz/ton	CU %	CU %
91-879-22 C6105	.01	.001			.068	
91-879-22 C6106	.01	.001			.058	
91-879-22 C6107	.01	.001			.075	
91-879-23 C6108	.01	.001			.047	
91-879-23 C6109	.01	.001			.059	
91-879-23 C6110	.01	.001			.054	
91-879-23 C6111	.01	.001			.061	
91-879-23 C6112	.02	.001			.030	
91-879-24 C6113	.01	.001			.033	
91-879-24 C6114	.01	.001			.054	
91-879-24 C6115	.01	.001			.073	
91-879-24 C6116	.01	.001			.093	
91-879-24 C6117	.01	.001			.108	
91-879-24 C6118	.01	.001			.082	
91-879-25 C6119	.01	.001			.059	
91-879-25 C6120	.01	.001			.061	
91-879-25 C6121	.01	.001			.068	
91-879-25 C6122	.01	.001			.027	
91-879-25 C6123	.01	.001			.009	
91-879-26 C6124	.01	.001			.005	
91-879-26 C6125	.02	.001	.01	.001	.023	.023
91-879-26 C6126	.02	.001	.02	.001	.192	.197
91-879-26 C6127	.03	.001	.08	.002	.014	.014
91-879-26 C6128	.01	.001			.015	
STD	.84	.025			.250	
BLK	.01	.001				

*AU - 1 ASSAY TON.

Certified by _____

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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1V-1051-RA7

Company: PLACER DOME INC. Date: SEP-16-91
Project: MILLIGAN 280/91-879 Copy 1. PLACER DOME INC., KAMLOOPS, B.C.
Attn: L.WARNER

We hereby certify the following Assay of 20 DRILL CORE samples submitted SEP-12-91 by L WARNER.

Sample Number	*AU g/tonne	*AU oz/ton	*AU g/tonne	*AU oz/ton	CU %	CU %
91-879-26 C6129	.02	.001	.02	.001	.034	.033
91-879-27 C6130	.02	.001			.008	
91-879-27 C6131	.01	.001			.004	
91-879-27 C6132	.01	.001			.043	
91-879-27 C6133	.01	.001			.035	
91-879-27 C6134	.01	.001			.009	
91-879-27 C6135	.01	.001			.025	
91-879-28 C6136	.01	.001			.009	
91-879-28 C6137	.01	.001			.016	
91-879-28 C6138	.02	.001			.050	
91-879-28 C6139	.01	.001			.082	
91-879-28 C6140	.07	.002	.07	.002	.138	.131
91-879-28 C6141	.01	.001			.025	
91-879-29 C6142	.01	.001			.032	
91-879-29 C6143	.01	.001			.033	
91-879-29 C6144	.02	.001	.02	.001	.052	.051
91-879-29 C6145	.01	.001			.047	
91-879-29 C6146	.01	.001			.064	
91-879-29 C6147	.01	.001			.063	
91-879-29 C6148	.01	.001			.072	
STD	.64	.025				
BLK	.01	.001				

*AU - 1 ASSAY TON.

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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1V-1101-RA1

Company: PLACER DOME INC.
Project: MT.MILLIGAN 280
Attn: L.WARNER

Date: SEP-26-91
Copy 1. PLACER DOME INC., KAMLOOPS, B.C.

We hereby certify the following Assay of 24 CORE samples submitted SEP-19-91 by L.WARNER.

Sample Number	*AU g/tonne	*AU oz/ton	*AU g/tonne	*AU oz/ton	CU %	CU %
91-880-1 C6151	.01	.001			.021	
91-880-1 C6152	.01	.001			.014	
91-880-1 C6153	.01	.001			.015	
91-880-1 C6154	.02	.001			.019	
91-880-1 C6155	.02	.001			.007	
91-880-1 C6156	.01	.001			.017	
91-880-2 C6157	.01	.001			.009	
91-880-2 C6158	.02	.001			.023	
91-880-2 C6159	.02	.001	.01	.001	.006	.007
91-880-2 C6160	.01	.001			.008	
91-880-2 C6161	.02	.001			.008	
91-880-2 C6162	.01	.001			.006	
91-880-3 C6163	.02	.001			.011	
91-880-3 C6164	.01	.001			.006	
91-880-3 C6165	.02	.001			.004	
91-880-3 C6166	.01	.001			.017	
91-880-3 C6167	.02	.001			.016	
91-880-3 C6168	.02	.001			.015	
91-880-4 C6169	.10	.003	.12	.004	.036	.036
91-880-4 C6170	.02	.001			.009	
91-880-4 C6171	.11	.003	.08	.002	.024	.024
91-880-4 C6172	.01	.001			.018	
91-880-4 C6173	.03	.001			.019	
91-880-4 C6174	.02	.001			.016	
STD	.84	.025				
BLK	.01	.001				

*AU - 1 ASSAY TON.

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3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1V-1101-RA2

Company: PLACER DOME INC.
Project: MT.MILLIGAN 280
Attn: L.WARNER

Date: SEP-26-91
Copy 1. PLACER DOME INC., KAMLOOPS, B.C.

We hereby certify the following Assay of 24 CORE samples submitted SEP-19-91 by L.WARNER.

Sample Number	*AU g/tonne	*AU oz/ton	*AU g/tonne	*AU oz/ton	CU %	CU %
91-880-5 C6175	.02	.001			.024	
91-880-5 C6176	.03	.001	.03	.001	.018	.017
91-880-5 C6177	.02	.001			.016	
91-880-5 C6178	.01	.001			.016	
91-880-5 C6179	.02	.001			.018	
91-880-5 C6180	.01	.001			.016	
91-880-6 C6181	.02	.001			.012	
91-880-6 C6182	.01	.001			.015	
91-880-6 C6183	.01	.001			.014	
91-880-6 C6184	.02	.001			.010	
91-880-6 C6185	.01	.001			.010	
91-880-6 C6186	.01	.001			.018	
91-880-7 C6187	.02	.001			.016	
91-880-7 C6188	.02	.001			.014	
91-880-7 C6189	.01	.001			.020	
91-880-7 C6190	.01	.001			.008	
91-880-7 C6191	.03	.001			.016	
91-880-7 C6192	.02	.001			.014	
91-880-8 C6193	.04	.001	.03	.001	.016	.015
91-880-8 C6194	.02	.001			.018	
91-880-8 C6195	.01	.001			.008	
91-880-8 C6196	.11	.003	.10	.003	.038	.039
91-880-8 C6197	.03	.001			.022	
91-880-8 C6198	.01	.001			.018	
STD	.84	.025				
BLK	.01	.001				

*AU 1 ASSAY TON.

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TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1V-1101-RA3

Company: PLACER DOME INC.
Project: MT.MILLIGAN 280
Attn: L.WARNER

Date: SEP-26-91
Copy 1. PLACER DOME INC., KAMLOOPS, B.C.

He hereby certify the following Assay of 9 CORE samples submitted SEP-19-91 by L.WARNER.

Sample Number	*AU g/tonne	*AU oz/ton	*AU g/tonne	*AU oz/ton	CU %	CU %
91-880-9 C6199	.01	.001			.013	
91-880-9 C6200	.01	.001			.011	
91-880-9 C6201	.01	.001			.028	
91-880-9 C6202	.01	.001			.011	
91-880-9 C6203	.01	.001			.015	
91-880-9 C6204	.01	.001			.011	
91-880-10 C6205	.01	.001			.015	
91-880-10 C6206	.02	.001			.013	
91-880-10 C6207	.02	.001	.01	.001	.017	.017
STD	.86	.025			.256	
BLK	.01	.001				

*AU 1 ASSAY TON.

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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1V-1102-RA1

Company: PLACER DOME INC.
Project: MT.MILLIGAN 280
Attn: L.WARNER

Date: SEP-30-91
Copy 1. PLACER DOME INC., KAMLOOPS, B.C.

We hereby certify the following Assay of 24 CORE samples submitted SEP-20-91 by L.WARNER.

Sample Number	*AU g/tonne	*AU oz/ton	*AU g/tonne	*AU oz/ton	CU %	CU %
91-881-1 C6208	.02	.001			.014	
91-881-1 C6209	.01	.001			.015	
91-881-1 C6210	.02	.001			.028	
91-881-1 C6211	.01	.001			.023	
91-881-1 C6212	.03	.001			.034	
91-881-1 C6213	.01	.001			.049	
91-881-2 C6214	.01	.001			.017	
91-881-2 C6215	.01	.001			.021	
91-881-2 C6216	.01	.001			.008	
91-881-2 C6217	.03	.001			.003	
91-881-2 C6218	.04	.001	.03	.001	.015	.018
91-881-2 C6219	.01	.001			.016	
91-881-3 C6220	.01	.001			.013	
91-881-3 C6221	.02	.001			.011	
91-881-3 C6222	.01	.001			.003	
91-881-3 C6223	.01	.001			.004	
91-881-3 C6224	.01	.001			.001	
91-881-3 C6225	.03	.001			.002	
91-881-3 C6226	.01	.001			.005	
91-881-4 C6227	.01	.001			.001	
91-881-4 C6228	.01	.001			.032	
91-881-4 C6229	.01	.001			.053	
91-881-4 C6230	.04	.001	.03	.001	.039	.035
91-881-4 C6231	.04	.001	.02	.001	.033	.029
TD	.85	.025				
CK	.01	.001				

*AU 1 ASSAY TON.

Certified by _____

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FAX (604) 847-3005

Assay Certificate

1V-1102-RA2

Company: PLACER DOME INC.
Project: MT.MILLIGAN 280
Attn: L.WARNER

Date: SEP-30-91
Copy 1. PLACER DOME INC., KAMLOOPS, B.C.

We hereby certify the following Assay of 20 CORE samples submitted SEP-20-91 by L.WARNER.

Sample Number	*AU g/tonne	*AU oz/ton	*AU g/tonne	*AU oz/ton	CU %	CU %
91-881-4 C6232	.01	.001			.012	
91-881-4 C6233	.01	.001			.049	
91-881-4 C6234	.05	.001	.08	.002	.056	.054
91-881-4 C6235	.01	.001			.015	
91-881-5 C6236	.01	.001			.007	
91-881-5 C6237	.01	.001			.006	
91-881-5 C6238	.01	.001			.007	
91-881-5 C6239	.01	.001			.015	
91-881-5 C6240	.03	.001			.048	
91-881-6 C6241	.03	.001	.05	.001	.070	.069
91-881-6 C6242	.01	.001			.064	
91-881-6 C6243	.01	.001			.067	
91-881-6 C6244	.01	.001			.048	
91-881-6 C6245	.21	.006	.27	.008	.137	.132
91-881-6 C6246	.02	.001			.089	
91-881-7 C6247	.01	.001			.082	
91-881-7 C6248	.02	.001			.065	
91-881-7 C6249	.01	.001			.099	
91-881-7 C6250	.01	.001			.051	
91-881-7 C6251	.02	.001			.020	
STD	.83	.024			.254	
BLK	.01	.001				

*AU 1 ASSAY TON.

Certified by _____

MIN-EN LABORATORIES

Appendix IV

Sludge ICP + Au Geochem Results

PLACER DOME RESEA H CENTRE
Geochemical Analysis

Project/Venture: V280 MILLIGAN
Area: 91-879
Remarks:
Au - 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 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 and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

Geol.: L WARNER
Lab Project No.: P1541

Date Received: SEPT 10, 1991
Date Completed: OCT 8, 1991

Attn: L WARNER
B FOWLER
E KIMURA
R HODGSON

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
A27016	<5	1.5	1.09	27	62	<1	<2	1.97	0.2	30	108	593	5.23	0.06	4	0.96	452	24	0.04	74	0.06	26	<5	50	0.07	52	63	91
A27017	<5	0.8	1.07	10	50	<1	<2	2.14	0.2	27	76	411	3.35	0.06	3	0.84	231	5	0.05	81	0.08	15	<5	73	0.12	36	54	67
A27018	<5	0.4	1.38	9	60	<1	<2	2.21	<0.1	25	64	311	3.27	0.08	3	0.56	203	2	0.06	79	0.08	12	<5	81	0.12	38	19	36
A27019	<5	0.7	1.15	11	71	<1	<2	3.62	0.1	25	69	404	3.02	0.06	3	0.62	207	8	0.07	73	0.08	18	<5	110	0.12	40	13	45
A27020	5	0.4	1.19	13	87	<1	<2	2.56	0.1	22	81	267	2.54	0.05	2	0.73	232	2	0.09	73	0.07	11	<5	96	0.12	37	20	28
A27021	5	0.4	1.38	23	95	<1	<2	3.24	<0.1	26	111	340	3.01	0.07	2	1.01	331	3	0.11	84	0.08	14	<5	99	0.11	44	18	43
A27022	20	1.0	1.42	28	53	<1	3	2.84	0.2	45	229	708	5.24	0.10	2	1.00	426	12	0.09	116	0.09	26	<5	120	0.13	49	45	83
A27023	<5	0.3	1.04	<5	46	<1	<2	1.72	<0.1	35	75	331	3.51	0.05	1	0.60	204	3	0.04	75	0.06	14	<5	56	0.09	30	18	33
A27024	<5	0.4	0.84	5	39	<1	<2	2.66	<0.1	37	62	398	3.61	0.03	2	0.50	210	1	0.03	69	0.06	12	<5	93	0.09	31	15	31
A27024*	<5	0.5	0.80	13	39	<1	<2	2.53	<0.1	37	60	385	3.55	0.03	1	0.49	202	<1	0.03	66	0.05	13	<5	89	0.09	30	11	27
A27025	<5	0.5	1.05	9	52	<1	<2	3.17	0.2	30	74	336	3.37	0.05	6	0.81	271	2	0.04	70	0.07	15	8	124	0.12	41	26	40
A27026	20	0.7	1.12	14	37	<1	<2	2.14	0.3	40	89	567	4.53	0.05	4	0.86	341	5	0.04	76	0.06	17	<5	74	0.09	40	38	79
A27027	<5	0.9	1.24	13	48	<1	<2	1.54	0.1	36	91	462	5.10	0.05	3	0.83	316	14	0.04	84	0.06	14	<5	38	0.08	45	12	37
A27028	<5	1.1	1.23	18	37	<1	<2	1.69	0.2	41	97	520	6.20	0.08	4	0.85	358	9	0.09	104	0.06	18	8	49	0.08	43	38	60
A27029	5	0.9	1.40	14	39	<1	<2	1.63	0.4	43	95	641	6.14	0.09	4	0.96	382	10	0.11	101	0.07	17	7	54	0.10	42	16	88
A27030	10	2.1	1.88	43	22	<1	6	2.78	0.5	70	111	998	8.91	0.11	5	1.30	962	5	0.12	112	0.07	23	14	59	0.08	55	51	99
A27031	<5	1.4	1.61	31	41	<1	3	3.15	0.3	42	130	802	5.83	0.06	5	1.67	610	6	0.05	83	0.08	18	6	95	0.07	46	18	76
A27032	<5	1.2	1.65	27	47	<1	2	2.76	0.9	49	61	582	6.18	0.14	5	1.28	505	8	0.13	70	0.09	24	11	234	0.09	59	25	163
A27033	<5	0.9	2.03	32	36	<1	3	2.92	0.8	52	84	497	6.66	0.18	6	1.73	680	7	0.16	70	0.10	26	9	135	0.09	85	57	180
A27033*	<5	1.0	1.94	36	33	<1	<2	2.77	0.7	52	80	465	6.41	0.17	6	1.65	650	7	0.15	68	0.09	24	13	130	0.09	81	51	169
A27034	25	3.6	3.44	65	39	<1	12	3.89	8.4	40	124	566	8.39	0.27	8	2.04	1718	2	0.21	78	0.11	329	22	113	0.15	115	70	2453
A27035	<5	1.4	2.86	30	31	<1	6	3.08	1.1	35	86	584	7.16	0.29	6	1.56	1084	1	0.27	76	0.11	57	12	119	0.15	93	66	315
A27036	10	4.8	2.48	41	20	<1	7	3.19	1.2	60	105	773	8.61	0.21	5	1.61	1005	3	0.20	77	0.10	66	17	87	0.15	103	43	311
A27037	15	5.1	2.76	44	28	<1	13	4.09	0.8	66	86	1066	10.78	0.10	6	1.56	1557	1	0.12	105	0.10	64	14	109	0.13	100	23	210
A27038	90	6.9	2.84	62	37	<1	13	4.35	2.4	58	133	824	11.42	0.13	8	1.31	2734	<1	0.10	133	0.09	159	22	152	0.13	88	24	692
A27039	40	1.2	2.31	36	23	<1	8	2.99	0.4	63	127	731	10.16	0.10	6	1.22	561	<1	0.10	150	0.09	26	8	106	0.14	72	19	86
A27040	<5	0.9	2.04	27	48	<1	<2	3.24	0.3	43	137	479	6.38	0.12	6	1.22	504	<1	0.11	142	0.10	28	12	85	0.16	70	<10	85
A27041	<5	0.5	1.61	18	35	<1	3	2.18	0.2	50	111	275	6.23	0.10	4	0.95	298	<1	0.11	180	0.08	18	9	67	0.14	57	<10	39
A27042	<5	0.3	2.14	22	48	<1	5	2.77	0.2	49	156	353	6.60	0.12	5	1.33	402	<1	0.16	181	0.10	24	11	85	0.17	73	30	62
STD-AU8-P1	280	0.3	0.96	21	202	<1	<2	0.78	0.5	6	108	27	2.12	0.35	6	0.82	555	35	0.06	32	0.08	58	<5	74	0.09	31	<10	144
A27043	60	0.2	2.62	44	51	<1	<2	3.90	0.2	42	176	352	6.31	0.24	7	1.38	503	2	0.24	170	0.10	25	8	103	0.19	91	93	74
A27044	<5	0.4	2.09	40	45	<1	3	3.25	0.1	50	148	352	6.54	0.11	5	1.17	403	<1	0.17	211	0.08	22	11	92	0.17	70	62	57
A27045	<5	0.5	2.17	45	36	<1	3	3.50	<0.1	57	146	590	8.59	0.09	6	1.05	396	<1	0.14	186	0.09	23	8	81	0.16	74	57	50
A27046	<5	2.6	2.32	67	41	<1	16	3.39	0.2	94	128	937	12.25	0.11	6	0.89	379	2	0.13	212	0.09	30	13	98	0.16	71	60	58
A27047	10	0.8	1.85	61	30	<1	11	2.77	0.2	80	124	868	11.46	0.10	7	1.04	430	5	0.09	190	0.08	26	8	67	0.12	77	66	62
A24048	45	1.4	1.46	55	28	<1	7	2.17	0.1	74	98	837	11.83	0.06	5	0.76	304	2	0.05	162	0.08	29	11	64	0.11	56	25	43
A27049	30	1.1	1.52	46	28	<1	11	2.53	<0.1	75	102	759	11.47	0.07	5	0.77	291	<1	0.06	145	0.08	25	12	48	0.12	60	32	39
A27050	15	0.9	1.38	44	28	<1	9	2.50	0.1	66	96	718	10.31	0.07	6	0.74	271	<1	0.07	140	0.07	22	11	46	0.11	52	43	39
A27050*	15	1.0	1.41	47	31	<1	10	2.54	0.1	67	99	737	10.42	0.08	6	0.76	275	<1	0.07	143	0.07	25	9	47	0.11	52	46	40

PLACER DOME RESE CH CENTRE

Geochemical Analysis

Project/Venture: V280 MILLIGAN
Area: 91-879 93N1
Remarks:
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 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 and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

Geol.: L WARNER
Lab Project No.: D1553

Date Received: SEPT 13, 1991
Date Completed: OCT 9, 1991

Attn: L WARNER
B FOWLER
E KIMURA
R HODGSON

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
A27051	<5	1.6	1.56	20	33	<1	15	2.63	0.2	98	93	1005	11.73	0.11	7	0.64	263	<1	0.07	186	0.07	23	<5	57	0.15	64	16	38
A27052	<5	1.4	1.49	11	41	<1	10	2.26	<0.1	81	70	1025	11.12	0.10	6	0.52	226	<1	0.07	134	0.07	15	<5	71	0.16	65	<10	36
A27053	40	0.7	1.85	<5	42	<1	4	2.66	<0.1	36	47	443	5.91	0.24	8	0.76	370	2	0.15	64	0.10	11	<5	99	0.21	89	<10	39
A27054	<5	1.1	1.69	12	30	<1	6	3.08	<0.1	58	99	813	9.11	0.09	4	0.72	470	3	0.06	147	0.07	14	<5	70	0.15	73	<10	40
A27055	20	1.0	1.81	9	30	<1	6	2.97	<0.1	57	102	1057	8.94	0.09	5	0.77	555	1	0.06	133	0.08	14	<5	82	0.17	78	12	40
A27056	15	1.2	1.54	15	26	<1	9	2.77	<0.1	73	77	1223	10.78	0.06	3	0.58	467	<1	0.04	146	0.08	18	<5	104	0.14	57	31	41
A27057	<5	1.6	1.33	26	34	<1	8	2.65	0.4	81	85	1165	11.89	0.08	5	0.65	443	<1	0.06	178	0.07	21	5	85	0.14	66	14	62
A27058	<5	1.1	1.51	15	33	<1	7	2.21	0.1	66	72	937	11.29	0.10	4	0.76	374	<1	0.07	176	0.09	17	<5	57	0.16	73	<10	38
A27059	5	1.0	1.20	<5	36	<1	4	2.31	0.1	51	40	892	9.11	0.13	6	0.55	304	2	0.08	115	0.08	14	<5	69	0.12	63	32	39
STD-AU8-P1	300	0.3	1.13	21	218	<1	<2	0.94	0.3	7	109	25	2.38	0.39	7	0.90	5677	51	0.08	35	0.09	57	<5	90	0.11	37	<10	158
A27060	5	0.6	1.15	<5	56	<1	<2	2.83	0.7	28	25	387	5.09	0.22	11	0.68	454	2	0.14	47	0.09	48	<5	103	0.14	77	50	151
A27061	<5	0.9	1.39	22	40	<1	8	2.13	0.1	82	59	795	10.01	0.05	8	0.61	229	<1	0.06	154	0.09	20	<5	50	0.15	60	52	54
A27062	40	1.3	1.35	19	40	<1	13	1.95	0.2	96	64	1037	12.09	0.04	14	0.68	227	2	0.05	174	0.09	21	<5	54	0.14	101	30	42
A27063	15	1.4	1.25	26	27	<1	13	1.94	0.3	110	59	1140	12.84	0.06	22	0.61	192	2	0.06	188	0.09	24	7	47	0.14	81	18	37
A27064	25	1.1	14.51	571	485	3	140	20.96	2.0	750	490	9426	84.27	0.92	129	8.35	3169	17	0.73	1256	1.14	179	144	2060	1.52	784	567	492
A27065	25	0.8	1.48	<5	62	<1	<2	1.61	0.1	37	54	455	5.43	0.11	6	1.11	452	4	0.06	63	0.12	20	<5	285	0.10	83	147	80
A27066	5	0.6	1.35	<5	61	<1	<2	1.86	<0.1	29	21	384	5.07	0.13	7	0.69	300	3	0.08	47	0.11	15	<5	160	0.13	74	65	45
A27067	<5	1.1	1.95	13	35	<1	7	3.09	0.1	57	83	1040	8.79	0.11	7	0.82	276	1	0.11	131	0.11	21	<5	77	0.21	86	90	60
A27068	15	0.9	1.86	11	39	<1	4	3.22	<0.1	50	67	882	9.10	0.09	6	0.68	256	2	0.11	141	0.10	23	<5	86	0.22	73	72	53
A27068*	10	0.8	1.71	12	38	<1	3	2.97	0.1	46	62	806	8.47	0.08	5	0.63	234	1	0.10	129	0.10	18	<5	78	0.20	67	58	49
A27069	<5	0.6	1.98	14	41	<1	<2	3.49	<0.1	40	57	628	6.77	0.15	9	0.62	256	3	0.12	110	0.11	22	<5	87	0.24	74	77	48
A27070	<5	0.6	2.07	18	39	<1	5	4.11	<0.1	39	85	617	7.59	0.21	13	0.86	319	<1	0.15	109	0.11	21	<5	92	0.24	84	78	48
A27071	<5	0.4	2.06	7	36	<1	4	3.67	<0.1	43	79	572	7.33	0.16	8	0.78	291	<1	0.14	116	0.11	19	<5	80	0.24	76	44	39
A27072	5	0.4	2.03	11	30	<1	7	3.13	<0.1	63	69	733	10.13	0.13	6	0.78	281	<1	0.11	130	0.10	23	<5	101	0.22	78	44	40
A27073	10	0.4	2.12	27	29	<1	14	3.08	<0.1	77	76	849	11.36	0.16	7	0.85	309	1	0.15	146	0.11	27	<5	103	0.22	80	71	53
A27074	10	0.3	1.59	<5	39	<1	<2	2.92	<0.1	41	37	355	7.07	0.26	9	0.51	253	2	0.17	79	0.11	22	<5	143	0.19	70	33	34
A27075	15	0.3	1.34	<5	59	<1	<2	2.57	<0.1	27	28	357	5.98	0.25	11	0.32	233	4	0.20	58	0.12	39	<5	180	0.19	81	105	55
A27076	25	1.0	0.99	8	49	<1	<2	2.32	<0.1	33	31	405	6.81	0.17	8	0.35	270	4	0.12	74	0.11	56	<5	107	0.13	57	169	76
A27077	10	0.4	1.28	<5	61	<1	<2	2.70	0.1	23	28	218	5.00	0.22	9	0.72	383	7	0.14	43	0.10	25	<5	151	0.13	71	53	51
A27077*	10	0.4	1.25	<5	52	<1	<2	2.63	<0.1	22	21	203	4.49	0.22	9	0.70	341	4	0.13	37	0.10	28	<5	146	0.13	68	56	48
A27078	<5	0.4	1.73	5	86	<1	<2	3.07	<0.1	28	26	288	4.81	0.24	9	1.08	488	4	0.16	37	0.12	27	<5	237	0.15	99	78	58
A27079	15	0.2	1.36	<5	103	<1	<2	2.65	<0.1	22	25	193	4.36	0.20	7	0.88	383	4	0.15	33	0.10	22	<5	231	0.12	79	74	49
A27080	<5	0.2	0.91	<5	148	<1	<2	1.81	<0.1	12	12	123	3.10	0.18	10	0.28	187	4	0.12	20	0.09	14	<5	200	0.12	61	65	30
A27081	<5	0.4	1.30	24	31	<1	6	2.23	0.1	61	54	647	10.07	0.09	6	0.62	231	2	0.09	122	0.10	33	<5	74	0.16	61	68	47
A27082	20	0.4	1.24	25	25	<1	11	1.92	0.1	98	54	627	11.57	0.07	5	0.61	205	3	0.08	160	0.09	24	<5	62	0.14	54	111	54
A27083	5	0.3	1.32	22	28	<1	15	2.07	0.1	72	55	524	12.79	0.08	5	0.72	271	3	0.07	191	0.10	26	<5	65	0.16	56	63	51
A27084	<5	0.3	1.56	20	52	<1	6	2.71	<0.1	56	63	554	9.73	0.13	5	0.97	302	4	0.08	165	0.11	22	<5	68	0.19	69	54	44
A27085	<5	0.3	1.57	22	47	<1	7	2.62	<0.1	57	58	517	10.05	0.12	5	0.82	242	3	0.08	189	0.10	20	<5	58	0.18	58	56	39
A27086	<5	1.0	1.65	28	37	<1	11	2.51	0.2	61	80	636	10.69	0.12	5	0.93	329	5	0.08	148	0.11	32	<5	77	0.17	64	128	68
A27086*	<5	0.3	1.68	16	48	<1	8	2.53	0.1	58	78	619	10.22	0.12	5	0.97	319	5	0.08	141	0.11	29	<5	74	0.17	63	129	69
A27087	<5	0.6	1.59	19	30	<1	9	2.05	0.2	51	79	583	8.71	0.11	6	1.11	372	6	0.08	139	0.10	38	<5	59	0.13	64	179	89
A27088	10	0.3	1.21	19	26	<1	16	1.87	0.2	56	52	507	12.07	0.09	4	0.63	207	<1	0.06	159	0.09	26	<5	43	0.11	44	107	70
A27089	15	0.3	1.43	16	38	<1	18	2.26	0.2	54	56	490	11.92	0.10	4	0.73	233	5	0.08	155	0.09	24	<5	57	0.13	49	85	51
A27090	20	0.4	1.27	25	34	<1	16	2.57	0.2	54	47	438	12.17	0.09	4	0.54	228	2	0.07	160	0.09	34	<5	55	0.13	50	18	33
A27091	<5	0.3	1.40	20	33	<1	12	2.52	0.3	58	53	469	10.84	0.11	5	0.67	226	2	0.08	181	0.09	23	<5	53	0.14	54	28	38
A27092	<5	0.4	1.50	39	37	<1	8	4.09	0.2	54	73	356	9.23	0.13	5	0.93	333	9	0.09	172	0.10	22	<5	104	0.18	73	49	43
A27093	<5	0.5	1.52	20	33	<1	9	2.74	0.1	51	71	407	9.14	0.16	5	0.81	267	4	0.10	176	0.10	25	<5	66	0.17	65	39	39
A27094	<5	1.2	1.42	917	35	<1	14	3.37	0.5	57	80	818	10.00	0.17	5	0.93	475	5	0.08	156	0.09	32	<5	102	0.12	58	49	80
A27095	<5	0.8	1.51	142	24	<1	15	2.59	0.4	60	85	816	11.44	0.11	5	0.80	335	3	0.09	181	0.10	31	<5	69	0.14	56	46	63
STD-AU8-P1	300	0.2	1.01	<5	192	<1	<2	0.87	0.4	6	105	29	2.12	0.36	8	0.80	548	45	0.06	33	0.08	56	<5	79	0.09	31	<10	147

PLACER DOME RESEA 1 CENTRE

Geochemical Analysis

Project/Venture: V280 MILLIGAN
Area: 91-879 93N1
Remarks:
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 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 and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

Geol.: L WARNER
Lab Project No.: D1553

Date Received: SEPT 13, 1991
Date Completed: OCT 9, 1991

Attn: L WARNER
B FOWLER
E KIMURA
R HODGSON

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
343-346	<5	0.9	2.08	328	20	<1	13	3.83	0.2	84	97	1061	11.57	0.17	7	2.19	602	2.1	0.06	64	0.11	47	12	142	0.06	107	99	159

PLACER DOME RESE. :H CENTRE

Geochemical Analysis

Project/Venture: V280 MILLIGAN
Area: 91-879 91-878 93N1
Remarks:
Au - 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 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 and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

Geol.: L WARNER
Lab Project No.: D1552

Date Received: SEPT 13, 1991
Date Completed: OCT 9, 1991

Attn: L WARNER
B FOWLER
E KIMURA
R HODGSON

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Tl %	V ppm	W ppm	Zn ppm
A27096	<5	0.9	1.43	73	33	<1	13	2.38	0.2	60	73	635	11.71	0.12	5	0.83	336	3	0.11	194	0.09	28	7	73	0.16	57	63	67
A27097	<5	0.7	1.76	48	27	<1	8	2.87	0.2	46	80	538	10.60	0.14	3	1.00	371	3	0.14	165	0.09	34	5	91	0.18	68	81	68
A27098	<5	0.6	1.85	34	36	<1	9	3.02	0.1	51	74	538	10.37	0.23	4	1.04	407	4	0.18	149	0.11	35	<5	107	0.20	85	48	65
A27099	<5	0.6	2.19	30	52	<1	<2	2.67	0.2	27	22	500	6.47	0.44	7	1.07	760	4	0.31	61	0.15	57	<5	157	0.17	103	140	130
A27100	5	0.5	3.40	24	67	<1	10	3.72	2.5	25	15	459	9.60	0.79	6	1.22	3670	8	0.19	41	0.13	89	<5	135	0.16	113	94	694
A27101	75	0.6	1.81	174	41	<1	5	3.01	0.5	49	16	568	8.46	0.31	8	1.02	759	18	0.17	36	0.15	56	<5	139	0.16	92	19	155
A27102	15	0.8	2.69	218	58	<1	2	4.90	0.4	29	12	474	7.97	0.61	6	1.37	1528	17	0.28	39	0.14	37	8	186	0.13	116	168	161
A27103	20	0.3	2.44	88	91	<1	<2	3.51	0.1	22	11	287	5.34	0.64	7	1.19	730	6	0.38	36	0.14	32	<5	169	0.17	113	185	129
A27104	20	0.6	2.04	58	54	<1	<2	3.51	0.2	30	13	542	6.70	0.45	6	1.30	665	22	0.25	33	0.14	27	<5	122	0.13	108	114	128
A27104*	15	0.5	2.02	57	54	<1	<2	3.55	0.2	31	14	575	6.73	0.45	6	1.30	670	24	0.25	35	0.14	30	<5	120	0.12	106	123	133
A27105	10	0.5	1.97	69	42	<1	4	3.49	<0.1	33	16	535	6.67	0.44	8	1.26	563	18	0.23	36	0.15	37	<5	121	0.14	103	97	134
A27106	10	0.6	1.90	67	31	<1	5	3.11	<0.1	41	22	555	8.23	0.33	7	1.27	603	30	0.18	40	0.17	45	<5	118	0.14	92	76	152
A27107	15	0.4	1.88	53	50	<1	2	3.02	<0.1	28	23	345	6.27	0.34	7	1.10	540	10	0.20	38	0.14	27	<5	145	0.16	96	77	106
A27108	5	0.6	2.38	56	41	<1	6	3.07	0.5	38	61	575	7.81	0.45	5	2.01	614	24	0.16	49	0.14	86	<5	109	0.15	128	124	307
A27109	<5	0.9	2.37	84	20	<1	14	2.70	0.2	77	114	990	12.74	0.53	4	2.00	563	22	0.22	110	0.11	49	10	103	0.21	134	158	170
A27110	<5	0.5	1.97	42	33	<1	8	3.32	<0.1	55	54	804	8.92	0.21	5	1.50	485	23	0.16	57	0.11	35	<5	147	0.12	92	96	106
A27111	<5	0.6	2.24	66	25	<1	11	4.57	0.4	57	114	748	10.66	0.27	4	1.93	680	21	0.14	115	0.11	38	13	152	0.18	100	53	189
A27112	20	0.4	2.22	71	28	<1	6	3.89	<0.1	53	104	644	10.44	0.15	3	1.56	525	8	0.10	115	0.10	38	<5	111	0.17	81	56	87
A27113	10	0.3	2.35	40	34	<1	9	3.43	<0.1	53	106	582	10.48	0.20	3	1.50	499	3	0.17	130	0.09	35	12	109	0.20	85	46	121
A27113*	10	0.3	2.38	41	33	<1	12	3.43	<0.1	54	109	598	10.73	0.20	2	1.53	506	3	0.18	133	0.10	37	9	108	0.20	85	43	116
A27114	50	1.0	1.43	23	39	<1	<2	1.87	0.5	30	125	562	6.39	0.17	9	1.47	536	5	0.04	87	0.12	60	<5	48	0.10	92	204	233
A27115	25	1.3	1.57	35	36	<1	2	3.38	0.2	33	172	832	7.44	0.17	6	1.94	658	4	0.04	119	0.11	40	<5	63	0.07	96	208	199
A27116	45	1.2	1.09	34	20	<1	8	2.64	0.3	48	124	579	10.61	0.17	4	1.20	532	5	0.04	132	0.10	31	<5	40	0.08	67	108	107
A27117	80	0.9	1.05	28	17	<1	7	1.93	0.2	41	104	478	9.64	0.15	5	1.22	409	3	0.03	137	0.11	15	6	37	0.08	59	222	101
A27118	150	0.6	1.44	28	24	<1	4	3.23	0.1	40	112	395	7.66	0.18	6	1.54	545	3	0.07	128	0.10	14	<5	57	0.11	74	39	67
A27119	10	0.9	1.03	16	15	<1	<2	1.96	<0.1	39	89	322	7.61	0.12	4	1.16	375	3	0.04	126	0.09	26	<5	34	0.07	52	49	64
A27120	165	1.0	1.07	66	14	<1	7	2.07	0.2	51	88	306	9.84	0.13	4	1.23	440	2	0.05	142	0.10	45	<5	38	0.07	57	22	54
A27121	200	1.0	1.04	40	16	<1	6	2.06	0.2	45	105	340	8.40	0.11	5	1.32	492	4	0.03	119	0.11	20	<5	40	0.05	62	55	59
A27122	2645	0.8	0.97	56	11	<1	8	1.99	0.2	72	98	265	10.77	0.09	5	1.12	402	3	0.04	120	0.10	16	8	38	0.06	57	20	51
A27122*	3100	0.8	0.97	58	12	<1	8	1.92	0.2	72	99	228	10.56	0.09	4	1.11	395	3	0.04	118	0.10	18	8	37	0.06	57	24	53
A27123	595	1.0	1.24	26	25	<1	<2	2.41	0.1	30	129	193	6.22	0.07	7	1.35	488	5	0.04	81	0.11	13	8	39	0.06	66	48	61
A27124	355	0.3	0.96	42	14	<1	<2	2.61	<0.1	42	101	315	8.00	0.07	5	1.11	494	10	0.04	100	0.10	14	<5	32	0.06	58	31	45
A27125	500	0.3	1.54	49	15	<1	4	3.07	<0.1	52	155	294	8.65	0.07	5	1.86	605	8	0.03	132	0.11	16	8	58	0.04	75	12	54
A27126	440	0.5	1.32	27	27	<1	<2	2.02	<0.1	33	45	407	6.22	0.10	5	1.29	410	7	0.05	54	0.11	12	6	84	0.04	71	33	49
STD-AU8-P1	290	0.2	1.03	<5	193	<1	<2	0.87	0.4	6	106	27	2.08	0.36	8	0.80	546	46	0.07	32	0.08	53	<5	83	0.10	32	<10	141

PLACER DOME RESEAI CENTRE

Geochemical Analysis

Project/Venture: V280 MILLIGAN | Geol.: L WARNER | Date Received: SEPT 13, 1991 | Page 1 of 1
Area: 93N1 | Lab Project No.: D1556 | Date Completed: OCT 10, 1991 | Attn: L WARNER, B FOWLER, E KIMURA, R HODGSON
Remarks:
Au – 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L 5 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 and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
27174	<5	<0.1	2.07	6	281	<1	<2	2.10	0.3	34	45	218	4.67	0.21	9	1.39	690	2	0.11	34	0.15	17	<5	206	0.20	109	107	85
27175	<5	<0.1	1.86	<5	149	<1	<2	1.86	0.5	26	43	260	4.33	0.21	7	1.27	606	3	0.12	33	0.14	13	<5	164	0.18	103	99	67
27176	<5	0.1	2.20	<5	255	<1	3	1.82	0.4	36	62	310	5.43	0.28	7	1.79	1082	4	0.08	43	0.15	20	7	362	0.19	130	144	97
27177	15	0.2	1.88	24	251	<1	5	4.25	0.2	33	50	255	6.81	0.33	7	1.91	868	3	0.05	35	0.16	55	6	199	0.12	156	70	60
27178	<5	0.2	1.72	<5	353	<1	<2	2.29	0.2	31	39	181	4.91	0.22	7	1.35	588	2	0.07	26	0.14	30	<5	105	0.17	123	50	59
27179	<5	0.1	1.82	<5	330	<1	<2	2.06	<0.1	26	46	214	5.16	0.19	6	1.12	446	1	0.07	29	0.12	22	<5	128	0.19	125	47	55
27180	<5	1.0	1.70	7	88	<1	<2	1.86	0.8	42	59	377	6.84	0.24	6	1.19	473	2	0.08	43	0.12	32	<5	122	0.18	127	94	105
27181	5	0.2	1.84	5	137	<1	<2	2.55	0.2	38	55	265	5.58	0.21	6	1.32	511	5	0.08	38	0.12	23	6	167	0.22	130	39	75
27182	<5	0.1	1.56	<5	139	<1	<2	2.05	0.1	35	37	266	5.06	0.20	6	0.79	342	12	0.07	29	0.11	13	<5	354	0.24	115	39	42
27182*	<5	0.1	1.61	<5	152	<1	<2	2.14	<0.1	35	38	312	5.09	0.21	6	0.81	347	13	0.08	29	0.11	13	<5	366	0.25	119	34	43
27183	20	0.1	1.53	<5	142	<1	<2	1.75	0.3	36	43	365	4.90	0.23	9	1.04	379	14	0.07	30	0.11	14	<5	266	0.21	104	40	45
27184	80	<0.1	1.73	10	330	<1	<2	4.48	0.2	20	45	295	4.24	0.34	8	1.10	596	5	0.07	25	0.11	13	<5	234	0.20	118	21	41
27185	35	0.4	1.80	19	434	<1	<2	4.16	0.6	31	59	492	5.76	0.23	8	1.45	720	7	0.05	36	0.13	24	9	385	0.14	128	65	90
27186	25	0.2	2.22	13	433	<1	<2	3.32	0.2	23	56	260	4.71	0.34	8	1.41	537	6	0.12	36	0.13	16	<5	247	0.25	133	124	79
27187	45	0.8	2.02	16	191	<1	<2	4.26	0.3	27	45	386	4.55	0.17	7	1.24	545	12	0.11	35	0.11	41	5	222	0.19	108	123	102
27188	90	0.7	1.68	7	187	<1	<2	3.79	0.3	27	63	378	4.88	0.17	7	1.18	568	16	0.07	39	0.11	22	5	240	0.18	99	19	54
27189	75	0.6	1.78	12	213	<1	<2	3.21	0.5	24	51	297	6.02	0.22	9	1.29	676	10	0.15	44	0.14	23	<5	322	0.17	120	119	93
27190	160	0.4	1.62	<5	309	<1	<2	2.38	0.2	23	29	232	4.45	0.19	8	0.91	509	7	0.17	25	0.13	12	<5	384	0.21	110	76	86
27191	35	0.1	2.36	<5	306	<1	<2	3.11	0.1	24	50	228	4.39	0.25	7	1.25	556	4	0.17	33	0.12	10	<5	251	0.25	124	117	78
27191*	25	0.1	2.43	<5	365	<1	<2	3.50	0.2	27	54	262	4.86	0.29	8	1.41	622	4	0.19	38	0.14	13	<5	290	0.28	137	134	90
27192	<5	0.2	2.20	12	299	<1	<2	2.60	0.3	27	58	277	5.34	0.31	11	1.40	599	6	0.23	46	0.13	18	<5	232	0.21	133	183	106
27193	<5	0.2	2.40	9	234	<1	<2	3.43	0.2	22	50	276	4.40	0.21	8	1.45	588	2	0.31	44	0.12	10	10	242	0.22	125	274	123
27194	30	0.2	2.56	9	284	<1	<2	3.80	0.2	27	63	521	4.76	0.29	9	1.56	675	3	0.30	70	0.13	12	<5	288	0.24	125	921	279
27195	15	0.1	2.11	<5	446	<1	<2	2.83	0.2	22	48	199	3.95	0.19	7	1.36	554	4	0.10	41	0.13	19	<5	226	0.24	106	324	79
27196	5	<0.1	2.36	<5	1382	<1	<2	2.68	0.2	18	41	171	3.96	0.31	7	1.53	557	2	0.14	25	0.13	17	<5	254	0.28	133	50	65
27197	35	0.1	2.11	<5	602	<1	<2	2.93	0.2	21	34	188	4.88	0.27	7	1.16	606	2	0.13	23	0.13	18	5	435	0.29	125	87	70
27198	105	0.1	2.09	<5	123	<1	<2	3.37	0.1	25	34	269	4.77	0.15	7	0.76	498	2	0.11	31	0.11	35	<5	365	0.28	116	159	79
27199	80	<0.1	2.41	<5	331	<1	<2	3.71	0.2	23	44	223	4.47	0.16	8	1.10	582	2	0.11	28	0.12	16	<5	367	0.29	120	79	88
STD – AU8 – P1	320	0.2	1.06	22	205	<1	<2	0.86	0.4	5	111	26	2.22	0.35	9	0.82	590	51	0.07	31	0.08	49	8	93	0.11	32	<10	142

PLACER DOME RESE/ CH CENTRE
Geochemical Ar. sis

Project/Venture: V280 MILLIGAN
Area: 91-881 93N1
Remarks:
Au - 10.0 g sample digested with Aqua Regia and determined by A.A. (D.L. 5 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 and Ba, Be, Cr, La and W are rarely dissolved with this acid dissolution method.

Geol.: L WARNER
Lab Project No.: P1554

Date Received: SEPT 13, 1991
Date Completed: OCT 11, 1991

Attn: L WARNER
B FOWLER
E KIMURA
R HODGSON

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
A27200	<5	0.3	1.89	6	217	<1	3	3.42	<0.1	25	45	171	4.06	0.19	7	0.90	520	4	0.14	32	0.11	17	<5	230	0.21	100	77	66
A27201	<5	0.3	1.57	<5	232	<1	<2	4.25	0.1	18	32	164	2.79	0.10	6	0.51	440	2	0.06	24	0.10	12	<5	285	0.17	72	76	57
A27202	<5	0.3	2.03	<5	261	<1	<2	3.42	0.1	26	39	123	3.64	0.19	7	1.05	548	3	0.10	25	0.11	14	<5	302	0.19	100	29	52
A27203	<5	0.3	1.96	5	186	<1	<2	3.36	<0.1	27	40	142	3.94	0.16	6	0.91	497	1	0.10	26	0.12	39	<5	253	0.20	99	32	79
A27204	<5	0.4	2.02	<5	216	<1	<2	3.63	<0.1	20	39	94	3.94	0.23	7	0.92	431	<1	0.14	25	0.11	13	<5	291	0.23	112	29	47
A27205	<5	0.5	2.03	11	162	<1	<2	3.43	0.1	26	48	299	4.55	0.19	6	1.11	527	4	0.20	45	0.11	15	<5	229	0.18	107	309	136
A27206	<5	0.1	1.69	<5	176	<1	<2	2.94	0.1	19	47	119	3.47	0.18	6	1.12	371	<1	0.15	26	0.10	11	<5	174	0.18	86	53	51
A27207	<5	0.3	1.11	<5	175	<1	<2	2.46	<0.1	10	21	67	3.23	0.22	10	0.52	284	<1	0.14	12	0.14	10	<5	306	0.13	75	20	46
A27208	<5	0.3	1.61	<5	239	<1	<2	3.44	0.1	15	41	103	2.99	0.18	8	0.87	424	2	0.13	23	0.12	17	<5	257	0.17	85	49	74
A27208*	<5	0.3	1.63	6	233	<1	<2	3.52	<0.1	15	41	102	3.11	0.18	8	0.88	427	1	0.13	22	0.12	13	<5	257	0.17	85	41	75
A27209	<5	0.3	1.54	18	131	<1	<2	3.93	0.2	23	67	108	3.96	0.20	10	1.25	519	2	0.18	30	0.11	15	<5	265	0.17	93	52	72
A27210	<5	0.3	1.49	<5	122	<1	<2	3.23	<0.1	19	52	102	3.52	0.20	8	1.01	431	2	0.16	27	0.10	13	<5	206	0.16	84	35	59
A27211	<5	0.5	1.58	12	100	<1	<2	2.90	<0.1	21	54	171	3.97	0.19	7	1.19	410	3	0.16	33	0.11	15	<5	177	0.17	88	77	73
A27212	<5	0.3	1.38	8	108	<1	<2	2.70	<0.1	16	69	130	3.33	0.18	6	1.20	368	2	0.19	31	0.09	12	<5	132	0.17	81	35	48
A27214	<5	0.5	2.08	6	89	<1	<2	2.61	0.1	21	47	250	3.92	0.24	6	1.68	572	2	0.11	27	0.11	22	<5	144	0.14	102	<10	134
A27215	10	0.7	1.59	16	59	<1	<2	2.76	<0.1	30	44	837	4.33	0.18	5	1.30	496	6	0.11	47	0.13	67	<5	161	0.13	90	<10	481
A27216	<5	0.3	1.31	<5	94	<1	<2	2.06	<0.1	28	61	322	3.77	0.15	4	1.25	370	3	0.09	40	0.08	24	<5	152	0.12	70	14	96
A27217	<5	0.4	1.25	<5	105	<1	<2	2.13	<0.1	26	52	254	3.41	0.19	4	1.07	352	2	0.08	29	0.08	17	<5	155	0.11	64	<10	71
STD-AU8-P1	275	0.3	1.05	20	203	<1	<2	0.89	0.4	6	114	27	2.24	0.36	7	0.82	572	49	0.07	33	0.08	58	<5	82	0.10	33	<10	148
A27218	<5	0.5	1.40	24	77	<1	<2	2.64	0.3	36	60	384	4.93	0.28	9	1.06	389	2	0.12	39	0.10	19	<5	251	0.15	83	16	71
A27219	<5	0.3	1.38	21	71	<1	<2	2.66	0.3	40	63	239	4.15	0.21	6	1.27	423	4	0.07	36	0.09	16	<5	203	0.11	72	19	83
A27220	<5	0.3	1.73	<5	216	<1	<2	2.29	0.2	24	63	115	3.28	0.31	7	1.61	464	3	0.15	31	0.11	12	<5	135	0.17	94	22	73
A27221	<5	0.3	1.68	20	202	<1	<2	2.22	0.2	31	75	121	3.43	0.34	6	1.62	486	3	0.16	41	0.10	14	<5	171	0.15	92	15	115
A27222	<5	0.2	1.73	8	199	<1	<2	2.32	0.2	30	74	94	3.43	0.44	6	1.63	511	2	0.16	41	0.10	17	<5	134	0.15	96	12	83
A27223	<5	0.2	1.54	6	144	<1	<2	2.13	0.1	27	51	132	3.29	0.37	5	1.29	459	2	0.14	28	0.09	17	<5	110	0.15	87	11	92
A27224	<5	0.3	1.61	8	118	<1	<2	2.29	0.2	36	42	258	4.19	0.29	6	1.29	522	4	0.14	30	0.11	20	<5	131	0.14	96	24	114
A27225	<5	0.3	1.65	11	131	<1	<2	2.42	0.1	30	23	238	4.05	0.30	7	1.10	513	4	0.10	31	0.13	17	<5	160	0.13	98	24	147
A27226	<5	1.0	1.61	19	37	<1	<2	2.60	0.3	64	25	629	5.32	0.30	7	1.04	323	15	0.13	106	0.14	19	<5	131	0.14	108	14	140
A27226*	<5	1.0	1.62	26	36	<1	<2	2.62	0.3	65	26	646	5.54	0.31	7	1.05	338	15	0.13	107	0.14	23	<5	132	0.14	109	14	147
A27227	<5	0.6	2.23	20	87	<1	6	2.52	0.4	33	67	362	4.83	0.37	10	1.94	579	7	0.20	56	0.12	19	<5	101	0.20	125	75	153
A27228	<5	0.3	1.81	8	131	<1	3	2.58	0.2	27	71	163	3.86	0.43	8	1.66	494	2	0.16	39	0.09	19	<5	102	0.16	89	44	122
A27229	<5	0.2	2.13	12	189	<1	4	2.28	0.2	25	59	174	4.42	0.70	7	1.83	563	2	0.16	39	0.10	21	5	134	0.19	121	42	144
A27230	<5	0.1	2.21	12	295	<1	4	2.22	0.2	24	61	84	4.25	0.74	7	1.90	574	<1	0.15	37	0.11	20	<5	119	0.19	127	<10	94
A27231	<5	0.1	1.99	9	244	<1	<2	2.25	0.2	24	52	131	4.00	0.65	7	1.59	515	1	0.15	34	0.10	19	<5	128	0.17	110	18	97
A27232	<5	0.3	1.89	12	68	<1	3	3.58	0.2	29	59	229	4.77	0.34	8	1.17	522	2	0.17	43	0.11	26	<5	133	0.22	111	43	104
A27233	<5	0.5	1.67	18	54	<1	5	4.28	0.2	35	55	241	5.07	0.30	8	1.05	582	2	0.14	44	0.10	29	6	147	0.19	100	24	107
A27234	<5	0.3	2.00	10	141	<1	3	3.81	0.2	21	53	103	4.21	0.26	9	1.03	600	<1	0.17	30	0.10	23	<5	152	0.23	115	13	74
A27235	<5	0.4	2.19	20	82	<1	3	3.42	0.2	30	38	245	5.12	0.40	8	1.18	563	<1	0.21	34	0.12	32	10	138	0.25	128	23	148
A27235*	<5	0.4	2.11	15	84	<1	3	3.29	0.2	29	36	220	4.86	0.38	8	1.13	533	<1	0.20	31	0.12	28	6	131	0.24	123	27	137
A27236	<5	1.0	2.15	26	40	<1	5	3.82	0.3	60	59	606	6.72	0.31	9	1.20	561	<1	0.21	46	0.13	33	8	139	0.25	121	64	166
A27237	10	1.3	2.17	24	48	<1	<2	3.70	0.2	54	57	629	5.53	0.22	8	1.08	484	3	0.19	39	0.13	58	9	159	0.26	114	37	116
A27238	10	1.0	2.37	28	49	<1	6	3.51	0.2	43	59	545	5.95	0.25	7	1.17	504	2	0.23	44	0.14	29	11	119	0.29	125	44	106
A27239	250	2.3	1.66	62	32	<1	7	3.94	1.7	50	45	883	6.83	0.22	6	1.04	369	3	0.17	39	0.10	96	18	154	0.24	96	49	153
A27240	15	0.9	1.71	25	30	<1	<2	2.10	0.2	44	50	679	6.52	0.18	6	1.11	292	<1	0.19	42	0.12	33	10	84	0.24	97	33	77
A27241	<5	0.9	1.95	21	35	<1	6	2.36	0.3	39	49	642	6.48	0.26	7	1.29	331	2	0.21	43	0.12	20	<5	91	0.22	110	76	79
A27242	20	0.8	1.96	21	27	<1	5	1.99	0.2	44	49	602	6.69	0.20	7	1.31	318	2	0.15	38	0.13	24	6	67	0.22	110	17	68
A27243	5	0.4	1.87	18	51	<1	3	2.36	0.2	29	61	307	5.61	0.20	6	1.27	444	3	0.12	49	0.14	55	10	85	0.21	102	52	159
A27244	<5	0.5	1.55	21	51	<1	3	1.68	0.2	44	59	404	6.31	0.33	4	1.27	431	3	0.09	56	0.12	35	<5	75	0.14	80	39	138
STD-AU8-P1	300	0.3	1.09	20	213	<1	<2	0.92	0.5	7	121	30	2.34	0.38	7	0.88	599	49	0.07	35	0.09	61	7	85	0.10	35	<10	158

GEOLOGICAL LEGEND

AFHL	AUGITE PORPHYRY FLOW
ANLT	ANDESITIC LAPILLI TUFF
APFV	ANDESITE PYROXENE HORNBLENDE FLOW
APXT	AUGITE PLAGIOCLASE PORPHYRY CRYSTAL TUFF
CASE	CASING
DRPD	POST MINERALIZATION DIORITE DYKE
FALT	FAULT ZONE
HMZP	HORNBLENDE AUGITE PLAGIOCLASE MONZONITE PORPHYRY
HYHL	HYDROTHERMAL BRECCIA
MPHD	PLAGIOCLASE HORNBLENDE PYROXENE MONZONITE PORPHYRY DYKE
MZPD	POST MINERALIZATION MONZONITE DYKE
MZPP	PLAGIOCLASE MONZONITE PORPHYRY
OVBD	OVERBURDEN
PPMZ	PLAGIOCLASE PYROXENE MONZONITE PORPHYRY
QPMZ	PLAGIOCLASE QUARTZ MONZONITE PORPHYRY
QPPG	QUARTZ PLAGIOCLASE PORPHYRY GRANITE
TRBT	ANDESITIC TUFF WITH GRADED BEDDING
TRD/	TRACHYTE DYKE
VSHL	BANDED ARGELLITIC SANDSTONE
XNMZ	XENOLITHIC MONZONITE

91-879 91-880 91-881

GRID EASTING ('X')

ELEVATION

0 40 80 120 METRES

GRID EASTING ('X')

9400 9600 9800

9700 9600 9500

91-880 91-881 91-879

0 100 200 300 400 METRES

GRID NORTHING ('Y')

LOCATION OF THIS CROSS-SECTION

XL	YL	XR	YR
9300.	9600.	9800.	9600.

FRONT	BACK	ZT	ZB
75.	75.	1237.	819.

LOOKING N

DIRECTORY: /HOME/MILL/FINAL/GEOLOG
DATA FILE: $EXPL/MILLIGAN/GEOLOG/DHLISTTEMP

POSTED DATA

ASSAYS	DH	ROCK TYPE
AU		PGI
CU-A		RI

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,294

PLOT RUN BY: TJC 91\10\15 SCRA301.RUN

PLACER DOME INC.

DRAWN TJC	MT MILLIGAN PROJECT
DATE 91\10\15	1991 SUMMER DRILL PROGRAM
SCALE 1:1000	HEIDI AREA-SECTION 9600N
	NO.