



PLACER DOME NORTH AMERICA Limited

In Canada, a division of PLACER DOME (CLA) LIMITED

DOME MINE

2.19080

P.O. BOX 70
SOUTH PORCUPINE, ONTARIO
CANADA
P0N 1H0

DDH: PR0046

NORTHING: 1000.60
EASTING: 4400.23
ELEVATION: 6009.67

AZIMUTH: 270°
DIP: -50°

CLAIM NUMBER: P13152

CORE SIZE: NQ

DATE STARTED: 10TH MAY '97

DATE FINISHED: 12TH MAY '97

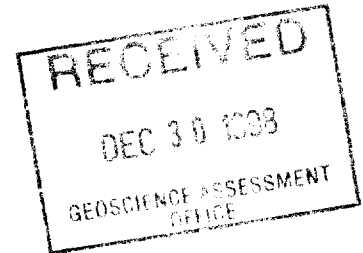
DATE LOGGED: 13TH MAY '97

LENGTH: 449.63'

DEPTH TO OVERBURDEN 12'

LOCATION: 477.5' EAST AND 415' SOUTH OF #4 POST

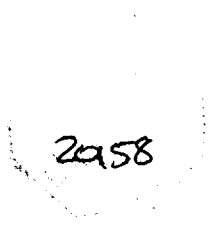
DRILLED BY: Bradley Bros. Limited
98, 14th Street
P.O. Box 2367
Rouyn-Noranda
Quebec, J9X 5A9



CORE STORAGE LOCATION: WHOLE CORE SAMPLED

REPRESENTATIVE OF COMPANY RESPONSIBLE FOR DRILL PROGRAM:

Placer Dome North America Ltd.
Dome Mine
Stephen Price, P. Geo.(B.C.)
Senior Open Pit Geologist
P.O. Box 70
South Porcupine
Ontario, P0N 1H0



Signed by Stephen Price, P. Geo.(B.C.), Senior Open Pit Geologist, Dome Mine



Placer Dome Canada Limited
Core Log Report

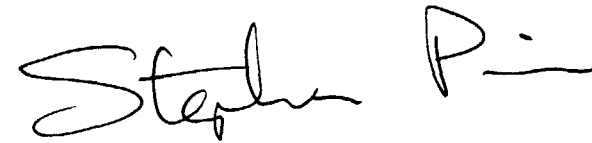
Hole Id: PR0046

Start Date: 05/13/1997

End Date: 05/14/1997

User: gcg

Hole Type EX
Northing 1000.604 Easting 4400.231
Elevation 6009.677 Length 439.63
Comment Stabilized-hexagonal core barrel used for entire hole.



SURVEY INFORMATION

Depth	Incl.	Azimuth Cor.	Test Type	by	Comment
0	-50.0	270	ACT		
100	-48.0	272	SS	ppe	test taken at 41' but doubtful.
200	-49.0	272	SS	ppe	
395	-49.5	270	SS	ppe	

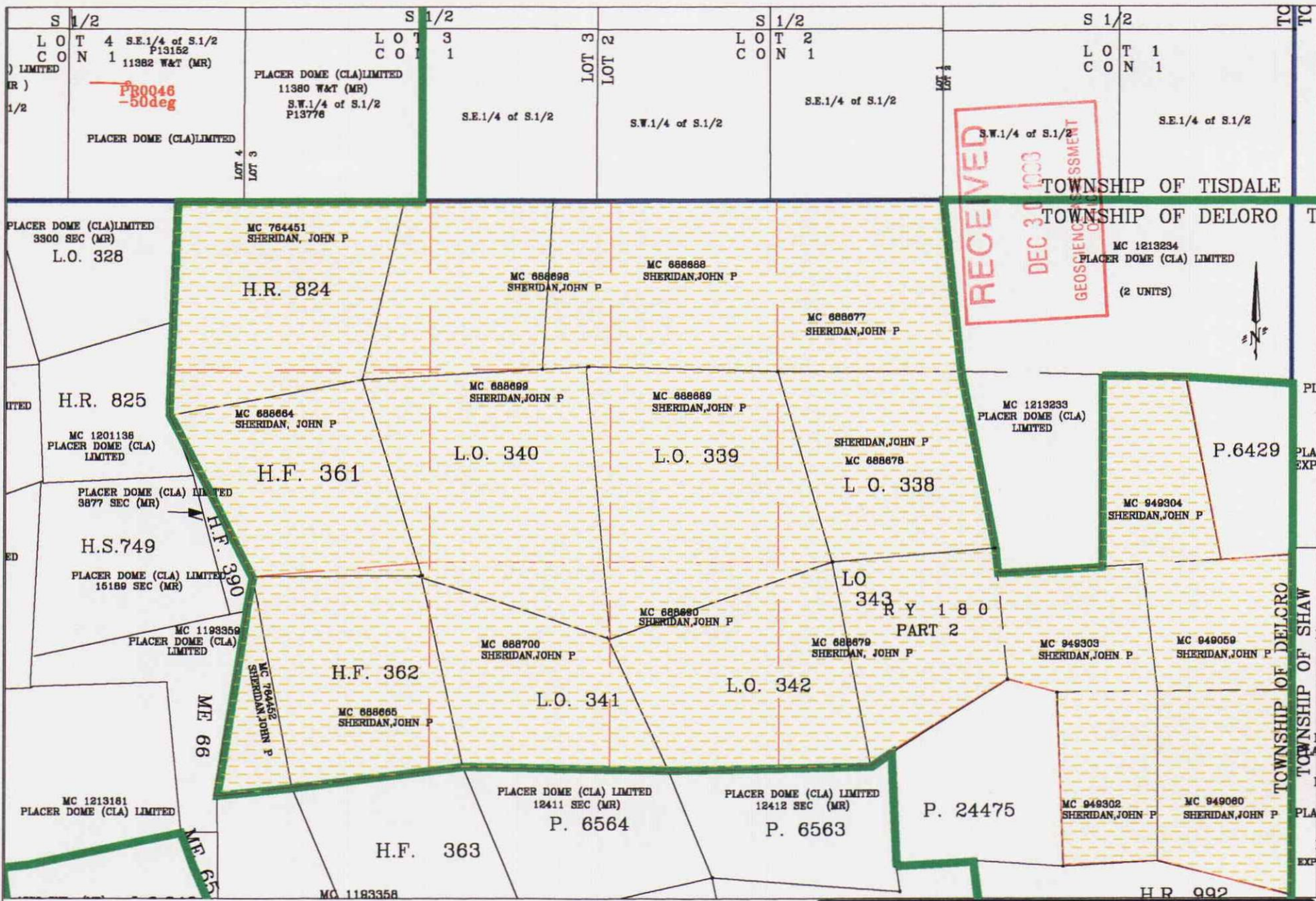
Hole Id: PR0046 Start Date: 05/13/1997 End Date: 05/14/1997

Geo	From	To	Sample	From	To	Assay	Fol'n	AK_V	QZ_V	QZ-AK_V	QZ-FU_V	QZ-TO_V	PY%	PO%	Alteration Type	Int	Geology/Sample Comments
OVB	0.00	12.00															Casing in overburden.
POR	12.00	229.00															Light grey, fine to medium grained with local coarse qtz phenocrysts, weakly foliated @ 50 C.A., moderate limonite staining to 96', unaltered, very weak qtz veining, trace diss. and locally stringer pyrite. Strongly fractured to 27'.
			E513149	12.00	15.00	0.13	---	---	---	---	---	---	---	---	---	---	
			E513150	15.00	20.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513151	20.00	25.00	0.03	---	---	---	---	---	---	---	---	---	---	
			E513152	25.00	30.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513153	30.00	35.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513154	35.00	40.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513155	40.00	45.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513156	45.00	50.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E513157	50.00	55.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513158	55.00	60.00	0.01	---	---	---	---	---	---	1.0	---	---	---	4" fault zone at 53', @ 60 C.A., broken core.
			E513159	60.00	65.00	0.02	---	---	---	---	---	---	1.0	---	---	---	
			E513160	65.00	70.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513161	70.00	75.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E513162	75.00	80.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513163	80.00	85.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513164	85.00	90.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513165	90.00	95.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513166	95.00	100.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513167	100.00	105.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513168	105.00	110.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E513169	110.00	115.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513170	115.00	120.00	0.05	---	---	---	---	---	---	0.5	---	---	---	Minor fu-rich patches.
			E513171	120.00	125.00	0.12	---	---	---	---	---	---	0.5	---	---	---	
			E513172	125.00	130.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513173	130.00	135.00	0.01	---	---	---	---	---	---	---	---	---	---	Fault zone from 132' to 143', poss @ 30 C.A., stro
			E513174	135.00	140.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E513175	140.00	145.00	0.08	---	---	---	---	---	---	---	---	---	---	
			E513176	145.00	150.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513177	150.00	155.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513178	155.00	160.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513179	160.00	165.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513180	165.00	170.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513181	170.00	175.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513182	175.00	180.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513183	180.00	185.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513184	185.00	190.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513185	190.00	195.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513186	195.00	200.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513187	200.00	205.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513188	205.00	210.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513189	210.00	215.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513190	215.00	220.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513191	220.00	225.00	0.02	---	---	---	---	---	---	---	---	---	---	20" fault zone at 222', poss 30 C.A., broken core.

Hole Id: PR0046 Start Date: 05/13/1997 End Date: 05/14/1997

Geo	From	To	Sample	From	To	Assay	Fol'n	AK_V	QZ_V	QZ-AK_V	QZ-FU_V	QZ-TO_V	PY%	PO%	Alteration Type	Int	Geology/Sample Comments
			E513225	390.00	395.00	0.01	---	---	---	1.5	---	---	---	---	---	---	
			E513226	395.00	400.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513227	400.00	405.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E513228	405.00	410.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E513229	410.00	415.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513230	415.00	420.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513231	420.00	425.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513232	425.00	430.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513233	430.00	435.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513234	435.00	439.63	0.01	---	---	---	---	---	---	---	---	---	---	EOH.

- EOH -



RECEIVED
DEC 30 1993
GEOSCIENCE ASSOCIATION



Dome Mine Geology

SUBJECT _____ HOLE # PR0046 SCALE 1" = 1000'
LOCATION OF DIAMOND DRILL HOLE _____ DEC\04\98



T.N.
(Magnetic declination 11'W)

S 1/2

POST 4

LOT 4
CON 1

POST 1

E4000

E4500

E5000

PR0046
DIP -50
AZ 270°

N1000

449'.63

N1000

S.E. 1/4 of S.1/2
P13152

PLACER DOME (CLA)LIMITED
11382 W&T (MR)

N500

N500

LOT 4

LOT 3

E4000

TOWNSHIP OF TISDALE

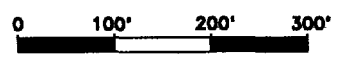
E4500

E5000

POST 3

TOWNSHIP OF DELORO

POST 2



SCALE : 1 : 2400

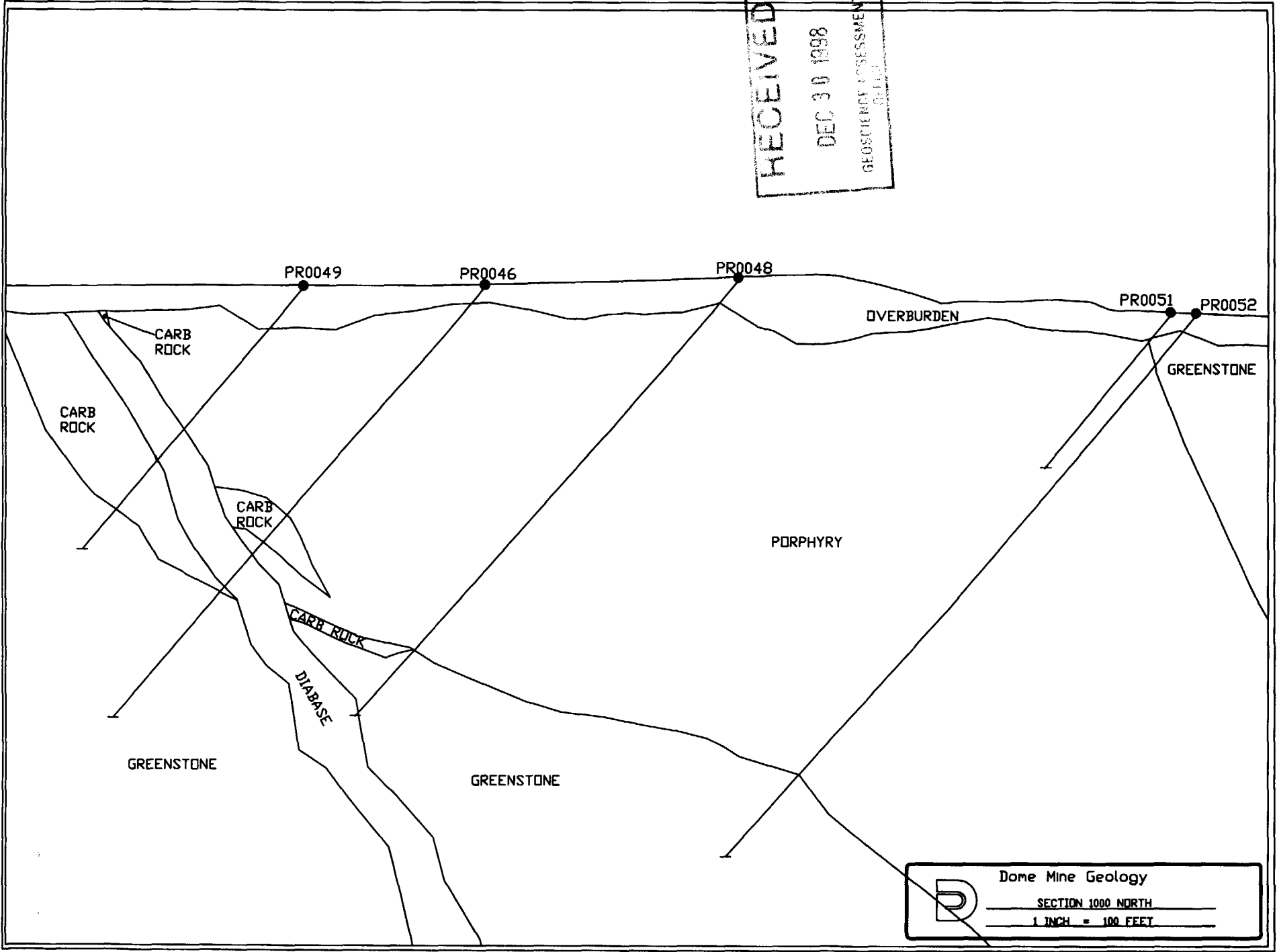
- MINE GRID
- ⊙ DRILL HOLE COLLAR & TRACE



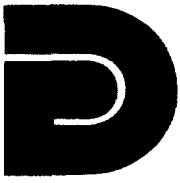
Dome Mine
DRILL HOLE PLAN
DDH # PR0046

FIGURE 3

RECEIVED
DEC 30 1998
GEOLOGICAL ASSESSMENT
OFFICE



Dome Mine Geology
SECTION 1000 NORTH
1 INCH = 100 FEET



PLACER DOME NORTH AMERICA Limited

In Canada, a division of PLACER DOME (CLA) LIMITED

DOME MINE

P.O. BOX 70
SOUTH PORCUPINE, ONTARIO
CANADA
P0N 1H0

DDH: PR0048

NORTHING: 1000.66
EASTING: 4598.63
ELEVATION: 6014.92

AZIMUTH: 274°
DIP: -50°

CLAIM NUMBER: P13152

CORE SIZE: NQ

DATE STARTED: 11TH MAY '97

DATE FINISHED: 13TH MAY '97

DATE LOGGED: 14TH MAY '97

LENGTH: 449.48'

DEPTH TO OVERBURDEN 20'

LOCATION: 641' EAST AND 421' SOUTH OF #4 POST

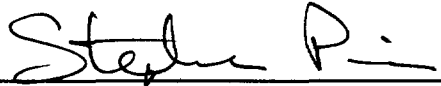
DRILLED BY: Bradley Bros. Limited
98, 14th Street
P.O. Box 2367
Rouyn-Noranda
Quebec, J9X 5A9

CORE STORAGE LOCATION: WHOLE CORE SAMPLED

REPRESENTATIVE OF COMPANY RESPONSIBLE FOR DRILL PROGRAM:

Placer Dome North America Ltd.
Dome Mine
Stephen Price, P. Geo. (B.C.)
Senior Open Pit Geologist
P.O. Box 70
South Porcupine
Ontario, P0N 1H0

20158


Signed by Stephen Price, P. Geo. (B.C.), Senior Open Pit Geologist, Dome Mine



Placer Dome Canada Limited
Core Log Report

Hole Id: PR0048

Start Date: 05/14/1997

End Date: 05/15/1997

User: gcg

Hole Type EX
Northing 1000.066 Easting 4598.629
Elevation 6014.922 Length 449.48
Comment Stabilized-hexagonal core barrel used for entire hole.

SURVEY INFORMATION

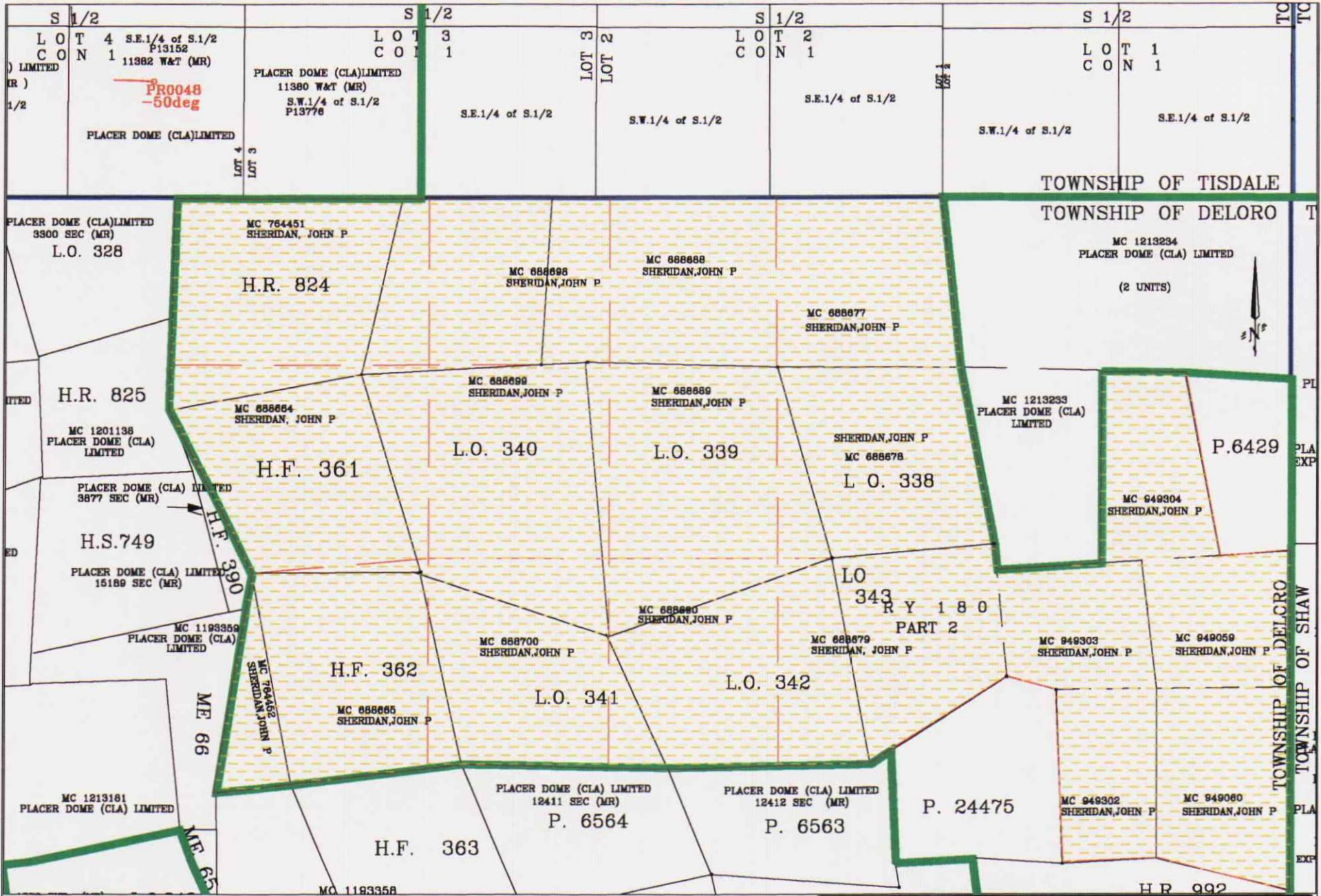
Depth	Incl.	Azimuth Cor.	Test Type by	Comment
0	-50.0	274	ACT	
50	-49.0	274	SS ppe	
100	-48.5	274	SS ppe	
200	-48.0	272	SS ppe	
395	-48.0	271	SS ppe	

Stephen Pi

Hole Id: PR0048 Start Date: 05/14/1997 End Date: 05/15/1997

Geo	From	To	Sample	From	To	Assay	Fol'n	AK_V	QZ_V	QZ-AK_V	QZ-FU_V	QZ-TO_V	PY%	PO%	Alteration Type	Int	Geology/Sample Comments
			E513318	435.00	440.00	0.01	---	---	---	---	---	---	---	---	---	---	15" fault zone at 438', @ 40 C.A., broken core, mi
			E513319	440.00	445.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513320	445.00	449.48	0.05	---	---	---	---	---	---	---	---	---	---	EOH.

- EOH -



Dome Mine Geology
 SUBJECT _____ HOLE # PR0048 SCALE 1" = 1000'
 LOCATION OF DIAMOND DRILL HOLE DEC 04 1988



(Magnetic declination 11°W)

S 1/2

POST 4

LOT 4
CON 1

POST 1

E 4000

E 4500

E 5000

PR0048
DIP -50
AZ 274°

N1000

449°.48

N1000

S.E. 1/4 of S.1/2
P13152

PLACER DOME (CLA)LIMITED
11382 W&T (MR)

N500

N500

LOT 4

LOT 3

E 4000

E 4500

E 5000

TOWNSHIP OF TISDALE

POST 3

TOWNSHIP OF DELORO

POST 2



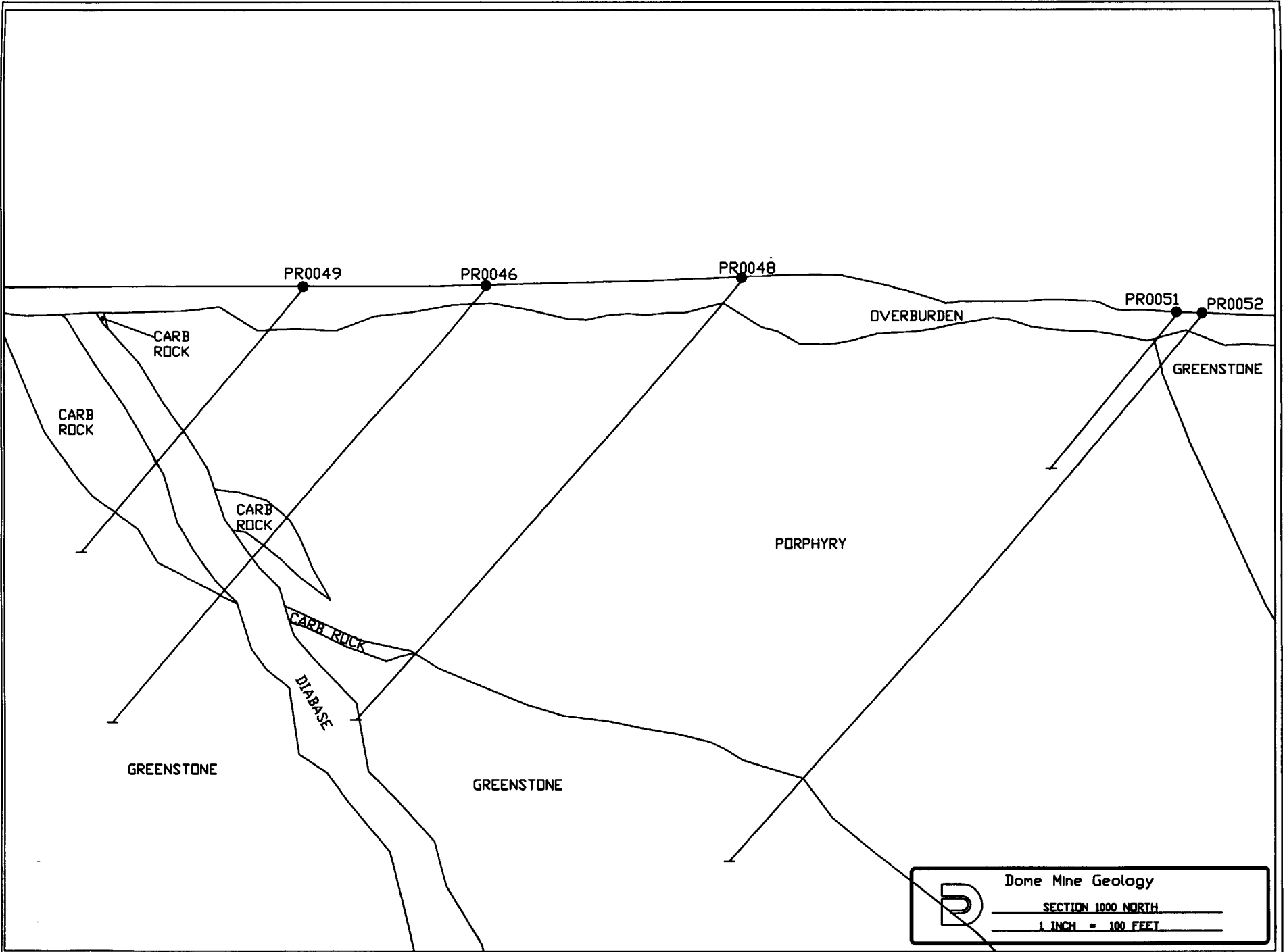
SCALE : 1 : 2400

- MINE GRID
- DRILL HOLE COLLAR & TRACE

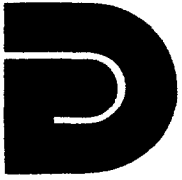


Dome Mine
DRILL HOLE PLAN
DDH # PR0048

FIGURE 3



Dome Mine Geology
SECTION 1000 NORTH
1 INCH = 100 FEET



PLACER DOME NORTH AMERICA Limited

In Canada, a division of PLACER DOME (CLA) LIMITED

DOME MINE

P.O. BOX 70
SOUTH PORCUPINE, ONTARIO
CANADA
P0N 1H0

DDH: PR0049

NORTHING: 996.02
EASTING: 4257.89
ELEVATION: 6007.81

AZIMUTH: 275°
DIP: -50°

CLAIM NUMBER: P13152

CORE SIZE: NQ

DATE STARTED: 13TH MAY '97

DATE FINISHED: 14TH MAY '97

DATE LOGGED: 15TH MAY '97

LENGTH: 262.47'

DEPTH TO OVERBURDEN 41'

LOCATION: 303' EAST AND 427' SOUTH OF #4 POST

DRILLED BY: Bradley Bros. Limited
98, 14th Street
P.O. Box 2367
Rouyn-Noranda
Quebec, J9X 5A9

CORE STORAGE LOCATION: WHOLE CORE SAMPLED

REPRESENTATIVE OF COMPANY RESPONSIBLE FOR DRILL PROGRAM:

Placer Dome North America Ltd.
Dome Mine
Stephen Price, P. Geo. (B.C.)
Senior Open Pit Geologist
P.O. Box 70
South Porcupine
Ontario, P0N 1H0

20158

Signed by Stephen Price, P. Geo. (B.C.), Senior Open Pit Geologist, Dome Mine



Placer Dome Canada Limited
Core Log Report

Hole Id: PR0049

Start Date: 05/15/1997

End Date: 05/15/1997

User: gcg

Hole Type EX
Northing 996.021 Easting 4257.887
Elevation 6007.806 Length 262.47
Comment Stabilized-hexagonal core barrel used for entire hole.

SURVEY INFORMATION

Depth	Incl.	Azimuth Cor.	Test Type by	Comment
0	-50.0	275	ACT	
100	-49.5	275	SS ppe	
257	-49.5	273	SS ppe	

Stephen P.

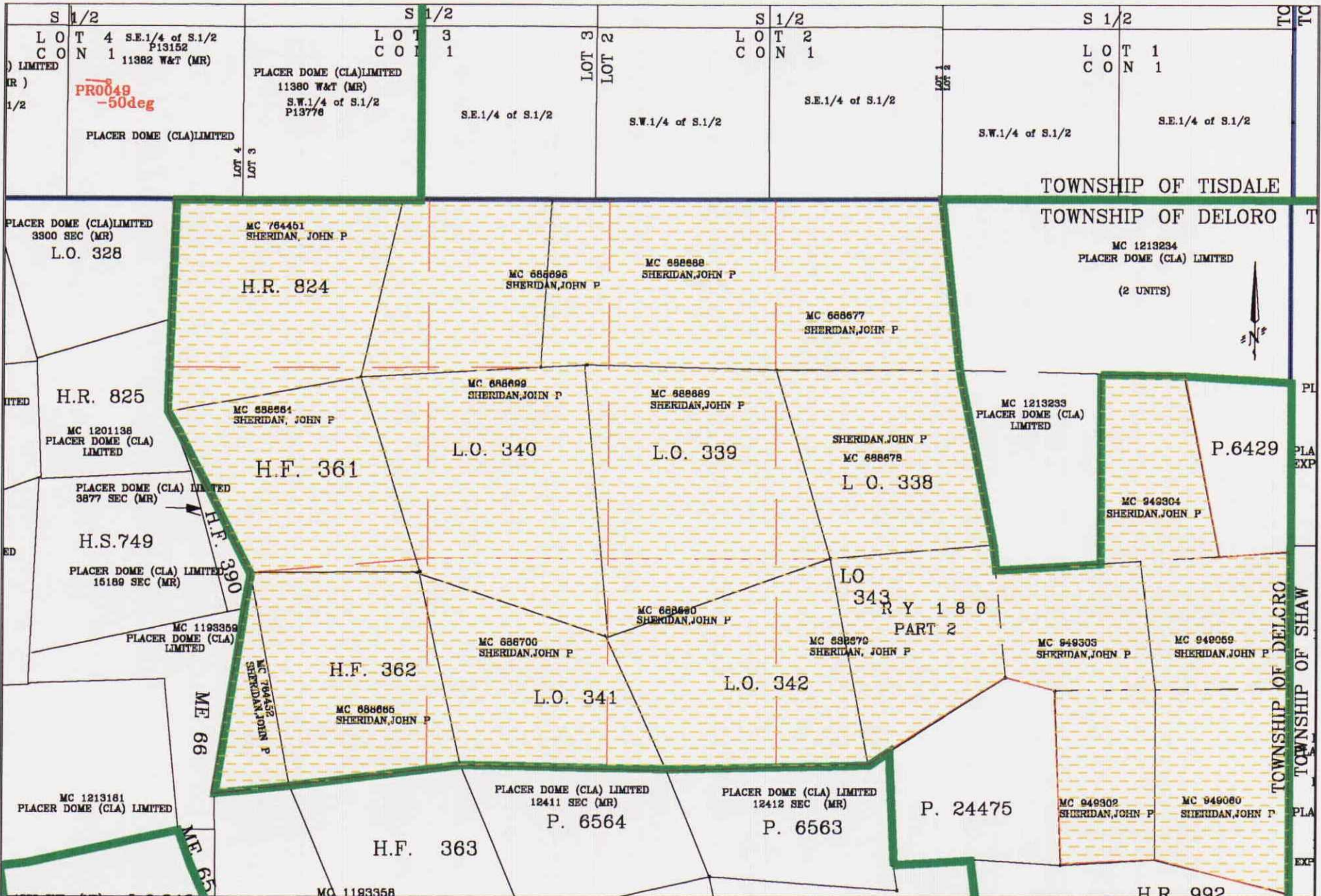
Hole Id: PR0049 Start Date: 05/15/1997 End Date: 05/15/1997

Geo	From	To	Sample	From	To	Assay	Fol'n	AK_V	QZ_V	QZ-AK_V	QZ-FU_V	QZ-TO_V	PY%	PO%	Alteration Type	Int	Geology/Sample Comments
OVB	0.00	41.00															Casing in overburden.
POR	41.00	176.00															Light to moderate grey, fine to medium grained, weakly foliated @ 50 C.A., patchy limonite staining to 105', unaltered, very weak qtz veining, trace fine grained diss. and locally stringer pyrite.
			E513321	41.00	45.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513322	45.00	50.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513323	50.00	55.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513324	55.00	60.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513325	60.00	65.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E513326	65.00	70.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513327	70.00	75.00	0.02	---	---	---	---	---	---	---	---	---	---	18" fault zone at 73', @ 50 C.A., broken core, min
			E513328	75.00	80.00	0.01	---	---	---	0.5	---	---	---	---	---	---	
			E513329	80.00	85.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513330	85.00	90.00	0.01	---	---	---	1.0	---	---	---	---	---	---	
			E513331	90.00	95.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513332	95.00	100.00	0.01	---	---	---	1.0	---	---	---	---	---	---	
			E513333	100.00	105.00	0.01	---	---	---	---	---	---	---	---	---	---	26" fault zone at 103', @ 40 C.A., broken core, mi
			E513334	105.00	110.00	0.03	---	---	---	0.5	---	---	---	---	---	---	
			E513335	110.00	115.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513336	115.00	120.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513337	120.00	125.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513338	125.00	130.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513339	130.00	135.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513340	135.00	140.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513341	140.00	145.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513342	145.00	150.00	0.01	---	---	---	---	---	---	---	---	---	---	16" fault zone at 146', @ 30-50 C.A., broken core,
			E513343	150.00	155.00	0.01	---	---	---	0.5	---	---	---	---	---	---	
			E513344	155.00	160.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513345	160.00	165.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513346	165.00	170.00	0.01	---	---	---	---	---	---	---	---	---	---	Fault zone from 167' to 176', broken core and fine
			E513347	170.00	176.00	0.01	---	---	---	---	---	---	---	---	---	---	
DIA	176.00	215.20															Dark grey/black, fine to medium grained, weakly magnetic, massive, faulted upper contact.
			E513348	176.00	180.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513349	210.00	215.20	0.01	---	---	---	---	---	---	---	---	---	---	
CB	215.20	238.50															Moderate greenish grey, fine grained, weakly foliated @ 50 C.A., many qtz-ank stringers, strong qtz veining, trace diss cubic pyrite, sharp upper contact @ 60 C.A.
			E513350	215.20	220.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513351	220.00	225.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E513352	225.00	230.00	0.01	---	---	---	7.5	---	---	---	---	---	---	3" fault zone at 230', @ 60 C.A., fine gouge.
			E513353	230.00	235.00	0.01	---	---	---	40.0	---	---	---	---	---	---	
			E513354	235.00	238.50	0.02	---	---	---	3.0	---	---	---	---	---	---	2" fault zone at 236.5', @ 80 C.A., fine gouge.
UM	238.50	262.47															Moderate to dark grey, fine grained, weakly foliated @ 50-60 C.A., moderately magnetic, many qtz-ank stringers, weak qtz veining, local

Hole Id: PR0049 Start Date: 05/15/1997 End Date: 05/15/1997

Geo	From	To	Sample	From	To	Assay	Fol'n	AK_V	QZ_V	QZ-AK_V	QZ-FU_V	QZ-TO_V	PY%	PO%	Alteration Type	Geology/Sample Int	Comments
			E513355	238.50	245.00	0.07	---	---	---	---	---	---	---	---	---	---	faulting, trace diss. py, gradational upper contact.
			E513356	245.00	250.00	0.01	---	---	---	---	---	---	---	---	---	---	1" fault at 240' and 3" fault at 242.5', @ 80 C.A.
			E513357	250.00	255.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E513358	255.00	262.47	0.02	---	---	---	---	---	---	---	---	---	---	EOH.

- EOH -



Dome Mine Geology

SUBJECT _____ HOLE # PR0049 _____ SCALE 1" = 1000'
 LOCATION OF DIAMOND DRILL HOLE _____ DEC 04 98



(Magnetic declination 11°W)

S 1/2

POST 4

LOT 4
CON 1

POST 1

E4000

E4500

E5000

PR0049
DIP -50
AZ 275°

N1000

262'.47

N1000

S.E. 1/4 of S.1/2
P13152

PLACER DOME (CLA)LIMITED
11382 W&T (MR)

N500

N500

LOT 4

LOT 3

E4000

TOWNSHIP OF TISDALE

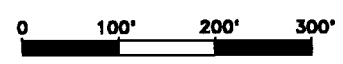
E4500

E5000

POST 3

TOWNSHIP OF DELORO

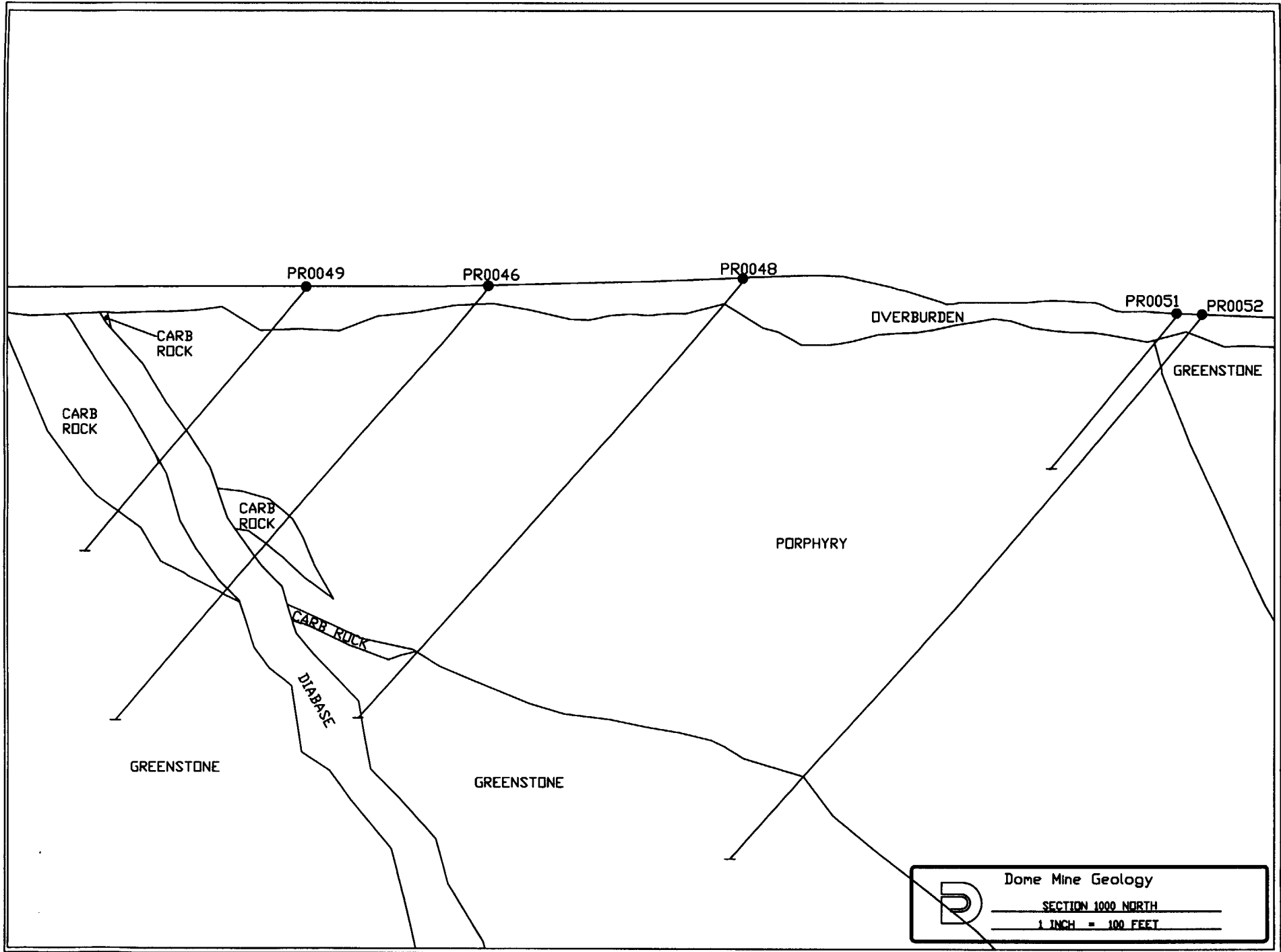
POST 2



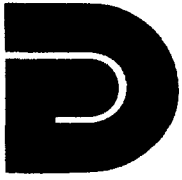
SCALE : 1 : 2400

- MINE GRID
- ⊙ DRILL HOLE COLLAR & TRACE

 **Dome Mine**
 DRILL HOLE PLAN
 DDH # PR0049 FIGURE 3



Dome Mine Geology
SECTION 1000 NORTH
1 INCH = 100 FEET



PLACER DOME NORTH AMERICA Limited

In Canada, a division of PLACER DOME (CLA) LIMITED

DOME MINE

P.O. BOX 70
SOUTH PORCUPINE, ONTARIO
CANADA
P0N 1H0

DDH: PR0050

NORTHING: 798.16
EASTING: 4402.01
ELEVATION: 6012.06

AZIMUTH: 270°
DIP: -51°

CLAIM NUMBER: P13152

CORE SIZE: NQ

DATE STARTED: 13TH MAY '97

DATE FINISHED: 15TH MAY '97

DATE LOGGED: 15TH MAY '97

LENGTH: 282.15'

DEPTH TO OVERBURDEN 42.65'

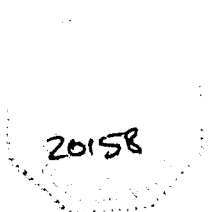
LOCATION: 446' EAST AND 624.5' SOUTH OF #4 POST

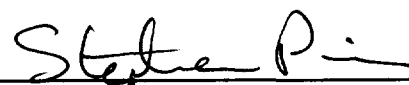
DRILLED BY: Bradley Bros. Limited
98, 14th Street
P.O. Box 2367
Rouyn-Noranda
Quebec, J9X 5A9

CORE STORAGE LOCATION: WHOLE CORE SAMPLED

REPRESENTATIVE OF COMPANY RESPONSIBLE FOR DRILL PROGRAM:

Placer Dome North America Ltd.
Dome Mine
Stephen Price, P. Geo. (B.C.)
Senior Open Pit Geologist
P.O. Box 70
South Porcupine
Ontario, P0N 1H0




Signed by Stephen Price, P. Geo. (B.C.), Senior Open Pit Geologist, Dome Mine



42A06NE2009 2.19080 TISDALE

040

Placer Dome Canada Limited
Core Log Report

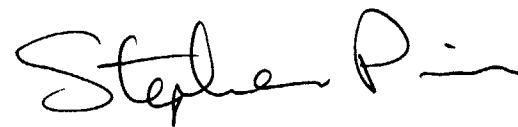
Hole Id: PR0050

Start Date: 05/16/1997

End Date: 05/16/1997

User: gcg

Hole Type EX
Northing 798.16 Easting 4402.012
Elevation 6012.061 Length 282.15
Comment Stabilized-hexagonal core barrel used for entire hole.



SURVEY INFORMATION

Depth	Incl.	Azimuth Cor.	Test Type by	Comment
0	-51.0	270	ACT	
100	-51.5	271	SS ppe	test taken at 277' but doubtful.

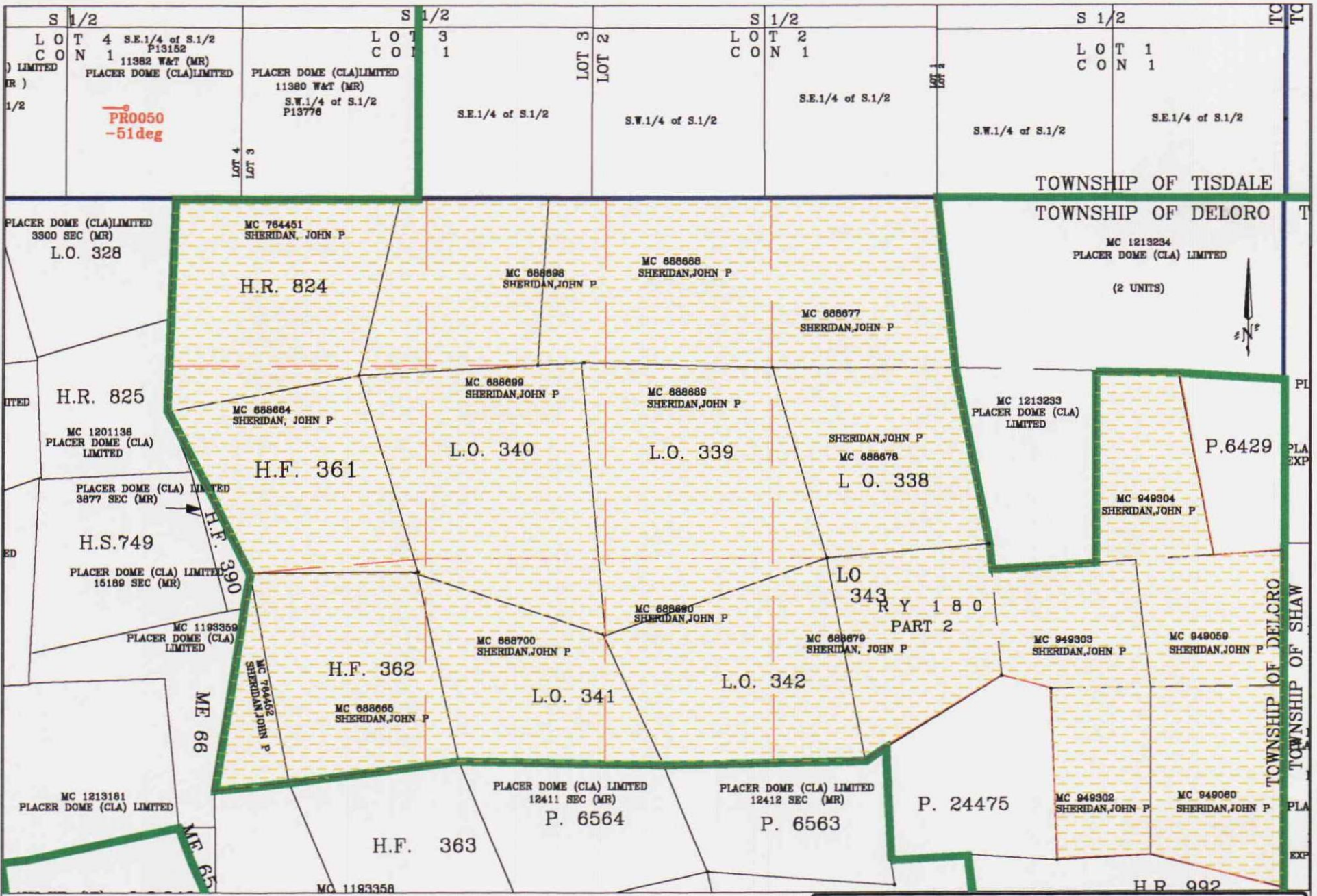
Hole Id: PR0050 Start Date: 05/16/1997 End Date: 05/16/1997

Geo	From	To	Sample	From	To	Assay	Fol'n	AK_V	QZ_V	QZ-AK_V	QZ-FU_V	QZ-TO_V	PY%	PO%	Alteration Type	Int	Geology/Sample Comments
OVB	0.00	42.65															
POR	42.65	116.80															Medium greenish-grey, medium grained, massive to very weakly foliated @ 50 C.A., local weakly sericitized, scattered quartz phenocrysts, local calcite stringers and veins, trace to minor stringer pyrite - locally up to 0.5%
			E515315	42.65	50.00	0.01	---	---	---	---	---	---	---	---	SE	W	lim. stains
			E515316	50.00	55.00	0.03	---	---	---	---	---	---	0.5	---	---	---	stgr py
			E515317	55.00	60.00	0.01	---	---	---	---	---	---	0.5	---	---	---	1' blk'y gnd at 59'
			E515318	60.00	65.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E515319	65.00	70.00	0.02	---	---	---	---	---	---	---	---	SE	W	loc weak ser alt
			E515320	70.00	75.00	0.13	---	---	---	---	---	---	---	---	---	---	1/2" FZ at 73.5' @ 25 C.A.
			E515321	75.00	80.00	0.22	---	---	---	4.0	---	---	0.5	---	---	---	q-a vn'g & flood
			E515322	80.00	85.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515323	85.00	90.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515324	90.00	95.00	0.01	---	---	---	---	---	---	---	---	---	---	lim stains
			E515325	95.00	100.00	1.31	---	---	---	---	---	---	---	---	---	---	
			E515326	100.00	105.00	0.01	---	---	1.0	---	---	---	---	---	---	---	6" pasty FZ at 104'
			E515327	105.00	110.00	0.02	---	---	---	---	---	---	---	---	SE	W	lim stains
			E515328	110.00	116.80	0.01	---	---	---	---	---	---	---	---	---	---	1.8' diabase at 115', @ 70 C.A.
DIA	116.80	121.90															Dark grey-black, fine to medium grained, moderately magnetic, sharp contacts with 1/2" chill zones @ 60 C.A.
			E515329	116.80	121.90	0.01	---	---	---	---	---	---	---	---	---	---	dia dike @70 C.A.
POR	121.90	129.40															same as above, ground core on upper contact, 1% fine grained stringer pyrite, sharp upper contact @ 60 C.A.
			E515330	121.90	125.00	0.07	---	---	---	---	---	---	1.0	---	---	---	6" blk'y gnd at 125'
			E515331	125.00	129.40	0.16	---	---	---	---	---	---	0.4	1.0	---	---	min tour strgrs
UM	129.40	282.15															Dark grey, fine grained, massive to weakly foliated @ 20 C.A., highly magnetic, numerous pasty fault gouges @ 85 C.A., trace coarse cubic pyrite, zones of ground/blocky core, sharp upper contact @65 C.A.
			E515332	129.40	135.00	0.04	---	---	---	---	---	---	---	---	---	---	blk'y gnd 129.4-133'
			E515333	135.00	140.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E515334	140.00	145.00	0.05	---	---	---	---	---	---	---	---	---	---	
			E515335	145.00	150.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515336	150.00	155.00	0.01	---	---	---	---	---	---	---	---	---	---	6" pasty grind @153'
			E515337	155.00	160.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E515338	160.00	165.00	0.04	---	---	---	---	---	---	---	---	---	---	
			E515339	165.00	170.00	0.01	---	---	---	1.0	---	---	---	---	---	---	1" qz-ank vn
			E515340	170.00	175.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515341	175.00	180.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E515342	180.00	185.00	0.02	---	---	---	---	---	---	---	---	---	---	1'blk'y gnd @183'
			E515343	185.00	190.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515344	190.00	195.00	0.01	---	---	---	---	---	---	---	---	---	---	4" FZ at 190', @85 C.A.
			E515345	195.00	200.00	0.01	---	---	---	---	---	---	---	---	---	---	4" FZ at 195'
			E515346	200.00	205.00	0.01	---	---	---	---	---	---	---	---	---	---	num pasty gouges

Hole Id: PR0050 Start Date: 05/16/1997 End Date: 05/16/1997

Geo	From	To	Sample	From	To	Assay	Fol'n	AK_V	QZ_V	QZ-AK_V	QZ-FU_V	QZ-TO_V	PY%	PO%	Alteration Type	Int	Geology/Sample Comments
			E515347	205.00	210.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515348	210.00	215.00	0.01	---	---	---	4.0	---	---	---	---	---	---	4" qz-ank vn @213'
			E515349	215.00	220.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E515350	220.00	225.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E515351	225.00	230.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E515352	230.00	235.00	0.10	---	---	---	---	---	---	---	---	---	---	3" pasty FZ @235'
			E515353	235.00	240.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515354	240.00	245.00	0.01	---	---	---	---	---	---	---	---	---	---	1.2' pasty fg 234.3' @85 C.A.
			E515355	245.00	250.00	0.03	---	---	---	---	---	---	---	---	---	---	
			E515356	250.00	255.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E515357	255.00	260.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E515358	260.00	265.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515359	265.00	270.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E515360	270.00	275.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E515361	275.00	282.15	0.01	---	---	---	---	---	---	---	---	---	---	

- EOH -



Dome Mine Geology

SUBJECT _____ HOLE # PR0050 _____ SCALE 1" = 100'
 LOCATION OF DIAMOND DRILL HOLE _____ DEC 04 '98



(Magnetic declination 11°W)

S 1/2

POST 4

LOT 4
CON 1

POST 1

E4000

E4500

E5000

N1000

N1000

PRO050
DIP -51
AZ 270°

282'.15



S.E. 1/4 of S.1/2
P13152

PLACER DOME (CLA)LIMITED
11382 W&T (MR)

N500

N500

LOT 4

LOT 3

E4000

E4500

E5000

TOWNSHIP OF TISDALE

POST 3

TOWNSHIP OF DELORO

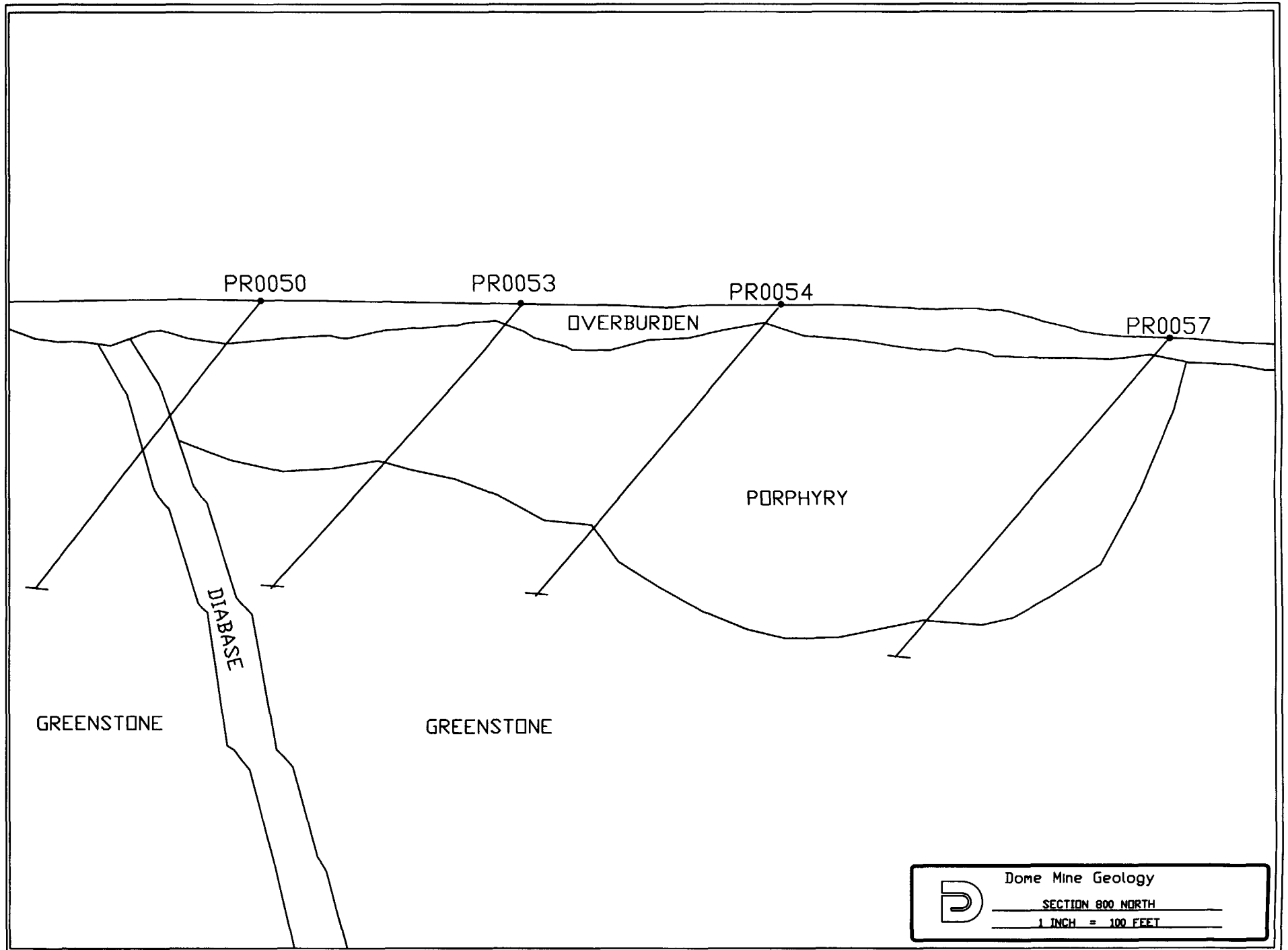
POST 2



SCALE : 1 : 2400

- MINE GRID
- DRILL HOLE COLLAR & TRACE

D Dome Mine
 DRILL HOLE PLAN
 DDH # PRO050
 FIGURE 3



PR0050

PR0053

PR0054

PR0057

OVERBURDEN

PORPHYRY

DIABASE

GREENSTONE

GREENSTONE



Dome Mine Geology

SECTION 800 NORTH

1 INCH = 100 FEET



PLACER DOME NORTH AMERICA Limited

In Canada, a division of PLACER DOME (CLA) LIMITED

DOME MINE

P.O. BOX 70
SOUTH PORCUPINE, ONTARIO
CANADA
P0N 1H0

DDH: PR0051

NORTHING: 1000.73
EASTING: 4937.58
ELEVATION: 5989.36

AZIMUTH: 277°
DIP: -50°

CLAIM NUMBER: P13152

CORE SIZE: NQ

DATE STARTED: 15TH MAY '97

DATE FINISHED: 15TH MAY '97

DATE LOGGED: 16TH MAY '97

LENGTH: 154.2'

DEPTH TO OVERBURDEN 22.97'

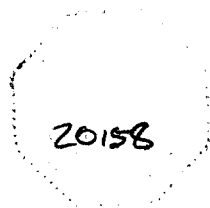
LOCATION: 353' WEST AND 416' SOUTH OF #1 POST

DRILLED BY: Bradley Bros. Limited
98, 14th Street
P.O. Box 2367
Rouyn-Noranda
Quebec, J9X 5A9

CORE STORAGE LOCATION: WHOLE CORE SAMPLED

REPRESENTATIVE OF COMPANY RESPONSIBLE FOR DRILL PROGRAM:

Placer Dome North America Ltd.
Dome Mine
Stephen Price, P. Geo. (B.C.)
Senior Open Pit Geologist
P.O. Box 70
South Porcupine
Ontario, P0N 1H0



Signed by Stephen Price, P. Geo. (B.C.), Senior Open Pit Geologist, Dome Mine



Placer Dome Canada Limited
Core Log Report

Hole Id: PR0051

Start Date: 05/16/1997

End Date: 05/16/1997

User: gcg

Hole Type EX
Northing 1000.727 Easting 4937.576
Elevation 5989.36 Length 154.2

Comment Stabilized-hexagonal core barrel used for entire hole, poor water return in hole, lost return at 47m(154.2') and burned bit, rods stuck pulling out of hole due to cave, abandoned hole. Moved d

SURVEY INFORMATION

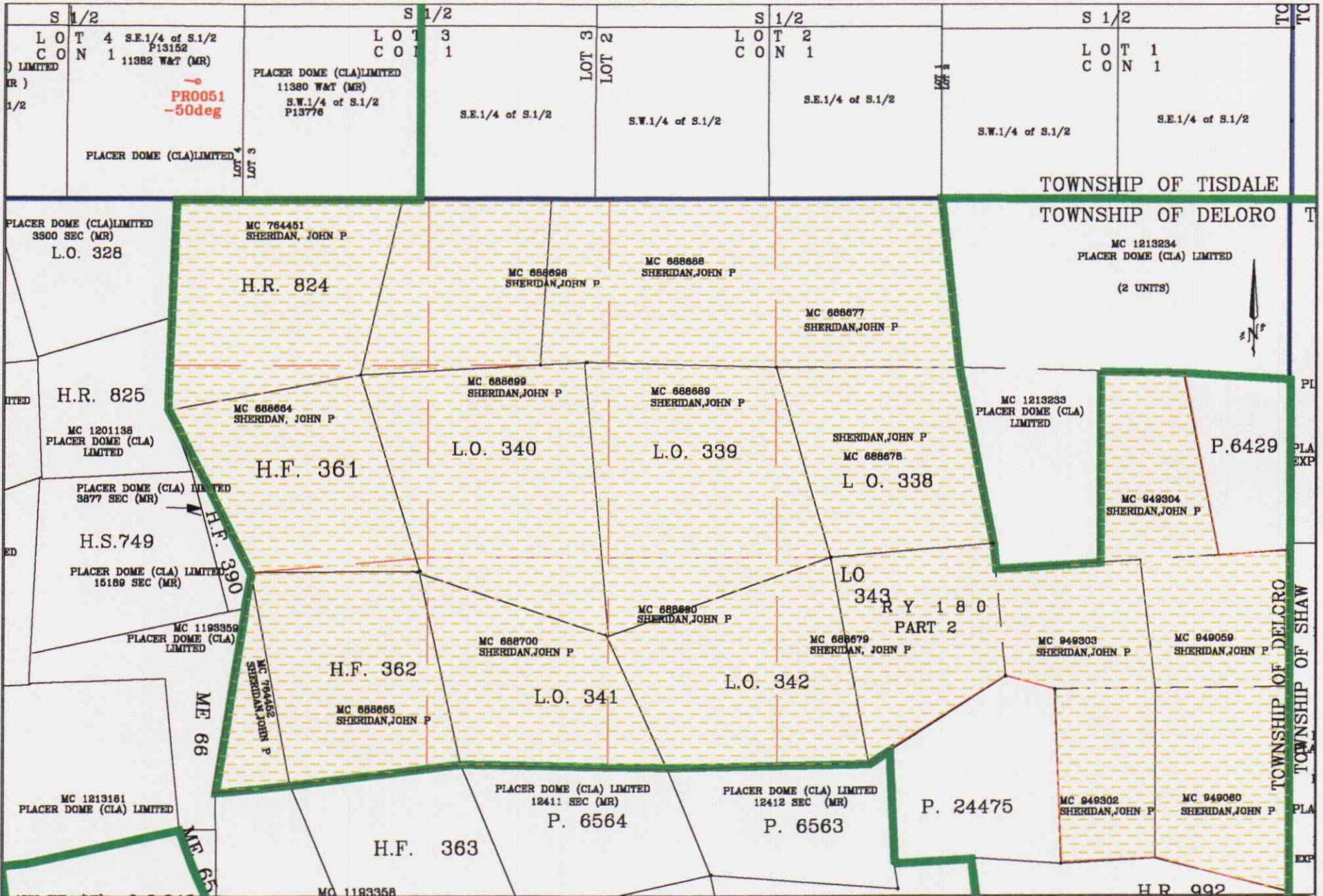
Depth	Incl.	Azimuth Cor.	Test Type	by	Comment
0	-50.0	277	ACT		
51	-50.0	277	SS	ppe	
100	-50.0	277	SS	ppe	

Stephen P.

Hole Id: PR0051 Start Date: 05/16/1997 End Date: 05/16/1997

Geo	From	To	Sample	From	To	Assay	Fcl'n	AK_V	QZ_V	QZ-AK_V	QZ-FU_V	QZ-TO_V	PY%	PO%	Alteration Type	Int	Geology/Sample Comments
OVB	0.00	22.97															
UG	22.97	32.50															Dark greyish-green, fine to medium grained, chloritic, numerous qtz-calcite stringers and blebs, zones of broken blocky grind, trace pyrite.
			E515417	22.97	28.00	0.02	---	---	---	---	---	---	---	---	---	---	blcky core
			E515418	28.00	32.50	0.01	---	---	---	1.0	---	---	---	---	---	---	
POR	32.50	154.20															Medium grey, medium grained, massive, local qtz-ank viens & tour stringers, weakly sericitized along fractures, scattered qtz phenocrysts, trace py but locally up to 2% diss. stringers of py, faulted upper contact. 1' fault zone at 34'
			E515419	32.50	37.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515420	37.00	40.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E515421	40.00	45.00	0.01	---	---	---	---	---	---	0.5	---	---	---	
			E515422	45.00	50.00	0.40	---	---	---	---	---	---	1.0	---	---	---	
			E515423	50.00	55.00	0.03	---	---	---	---	---	---	---	---	---	---	
			E515424	55.00	60.00	0.05	---	---	---	---	---	---	---	---	---	---	
			E515425	60.00	65.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515426	65.00	70.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515427	70.00	75.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515428	75.00	80.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515429	80.00	85.00	0.03	---	---	---	---	---	---	---	---	---	---	
			E515430	85.00	90.00	0.07	---	---	---	---	---	---	---	---	---	---	
			E515431	90.00	95.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515432	95.00	100.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515433	100.00	105.00	0.11	---	---	---	---	---	---	---	---	---	---	
			E515434	105.00	110.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515435	110.00	115.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515436	115.00	120.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515437	120.00	125.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515438	125.00	130.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515439	130.00	135.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515440	135.00	140.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E515441	140.00	145.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515442	145.00	150.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515443	150.00	154.20	0.01	---	---	---	---	---	---	---	---	---	---	end of hole

- EOH -



D Dome Mine Geology

SUBJECT _____ HOLE # PR0051 SCALE 1" = 1000'

LOCATION OF DIAMOND DRILL HOLE _____ DEC\04\98



(Magnetic declination 11°W)

S 1/2

POST 4

LOT 4
CON 1

POST 1

E4000

E4500

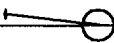
E5000

N1000

154°.2

N1000

PR0051
DIP -50
AZ 277



S.E. 1/4 of S.1/2
P13152

PLACER DOME (CLA)LIMITED
11382 W&T (MR)

N500

N500

LOT 4

LOT 3

E4000

E4500

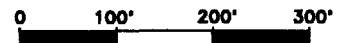
E5000

TOWNSHIP OF TISDALE

POST 3

TOWNSHIP OF DELORO

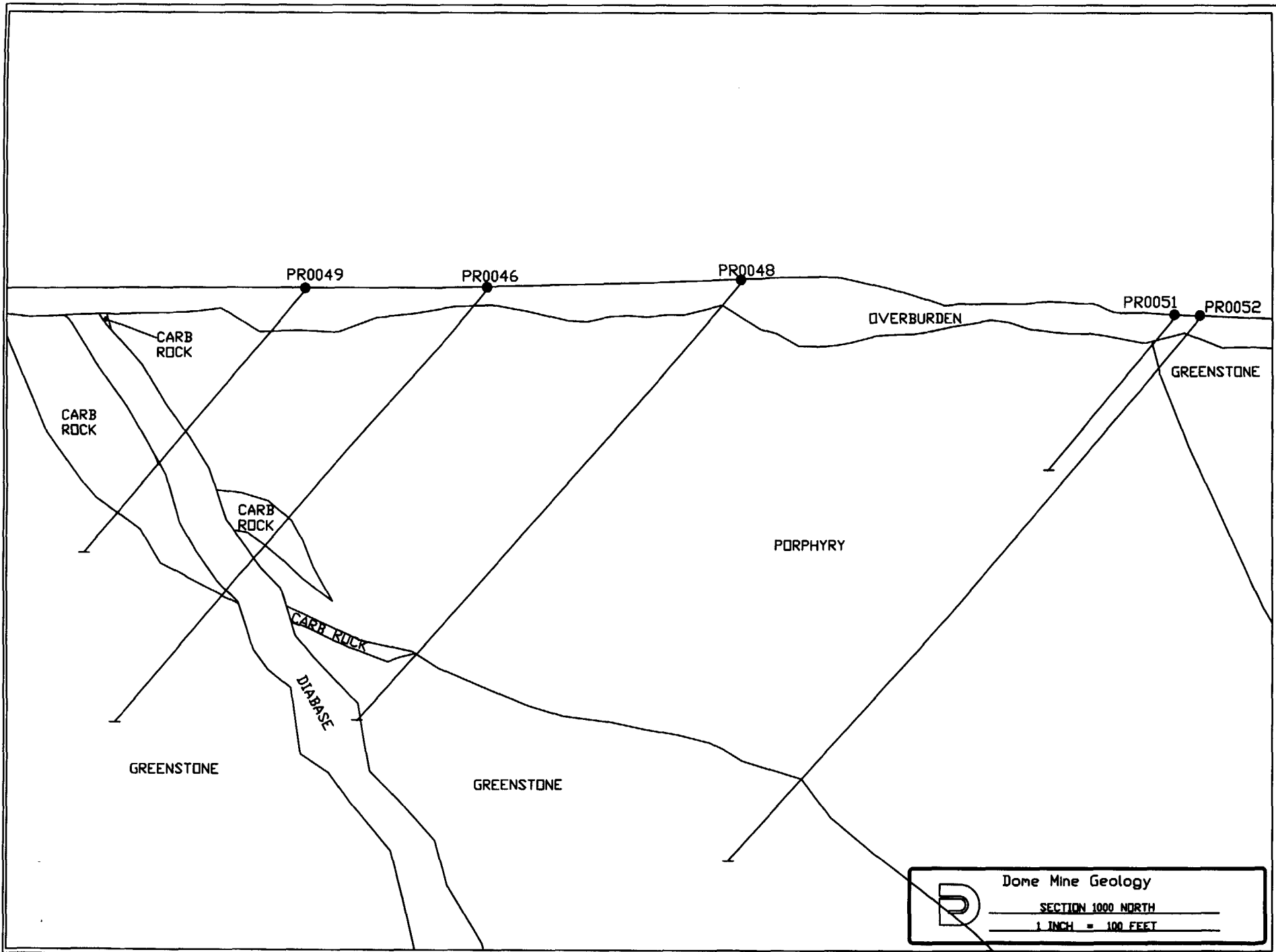
POST 2



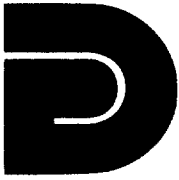
SCALE : 1 : 2400

- MINE GRID
- ⊖ DRILL HOLE COLLAR & TRACE

 **Dome Mine**
 DRILL HOLE PLAN
 DDH # PR0051 FIGURE 3



D Dome Mine Geology
SECTION 1000 NORTH
1 INCH = 100 FEET



PLACER DOME NORTH AMERICA Limited

In Canada, a division of PLACER DOME (CLA) LIMITED

DOME MINE

P.O. BOX 70
SOUTH PORCUPINE, ONTARIO
CANADA
P0N 1H0

DDH: PR0052

NORTHING: 999.09
EASTING: 4957.6
ELEVATION: 5989.43

AZIMUTH: 277°
DIP: -50°

CLAIM NUMBER: P13152

CORE SIZE: NQ

DATE STARTED: 17TH MAY '97

DATE FINISHED: 20TH MAY '97

DATE LOGGED: 21TH MAY '97

LENGTH: 557.74'

DEPTH TO OVERBURDEN 13.12'

LOCATION: 328' WEST AND 420' SOUTH OF #1 POST

DRILLED BY: Bradley Bros. Limited
98, 14th Street
P.O. Box 2367
Rouyn-Noranda
Quebec, J9X 5A9

CORE STORAGE LOCATION: WHOLE CORE SAMPLED

REPRESENTATIVE OF COMPANY RESPONSIBLE FOR DRILL PROGRAM:

Placer Dome North America Ltd.
Dome Mine
Stephen Price, P. Geo. (B.C.)
Senior Open Pit Geologist
P.O. Box 70
South Porcupine
Ontario, P0N 1H0

20158

Signed by Stephen Price, P. Geo. (B.C.), Senior Open Pit Geologist, Dome Mine



Placer Dome Canada Limited
Core Log Report

Hole Id: PR0052

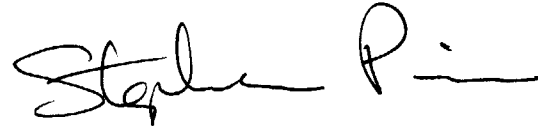
Start Date: 05/16/1997

End Date: 05/21/1997

User: gcg

Hole Type EX
Northing 999.091 Easting 4957.6
Elevation 5989.425 Length 557.74

Comment Standard core barrel used in case similar bad ground as in PR0051 encountered.



SURVEY INFORMATION

Depth	Incl.	Azimuth Cor.	Test Type by	Comment
0	-50.0	277	ACT	
50	-50.0	277	SS ppe	
100	-49.5	276	SS ppe	
200	-49.0	276	SS ppe	
395	-47.5	275	SS ppe	test taken at 553' but doubtful.

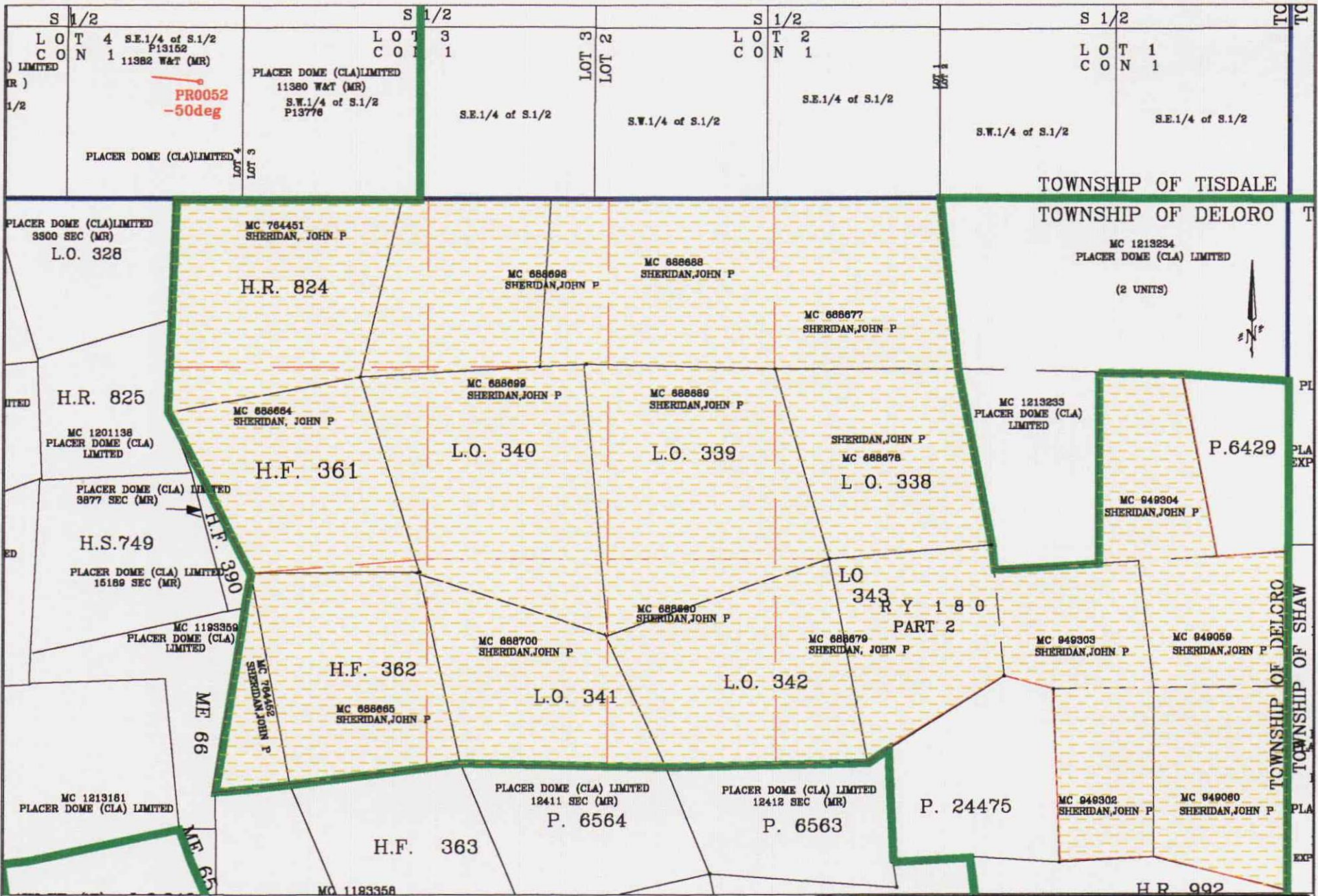
Hole Id: PR0052 Start Date: 05/16/1997 End Date: 05/21/1997

Geo	From	To	Sample	From	To	Assay	Fol'n	AK_V	QZ_V	QZ-AK_V	QZ-FU_V	QZ-TO_V	PY%	PO%	Alteration Type Int	Geology/Sample Comments
			E515484	215.00	220.00	0.02	---	---	---	---	---	---	---	---	---	lim staining
			E515485	220.00	225.00	0.01	---	---	---	---	---	---	---	---	---	FZ at 225' @ 25 C.A., 2' FZ at 221'
			E515486	225.00	230.00	0.01	---	---	---	---	---	---	---	---	---	loc qz-ank blebs
			E515487	230.00	235.00	0.01	---	---	---	---	---	---	---	---	---	ptchy ser alt
			E515488	235.00	240.00	0.01	---	---	---	---	---	---	---	---	---	
			E515489	240.00	245.00	0.01	---	---	---	---	---	---	---	---	---	min tour stgrs @10 C.A.
			E515490	245.00	250.00	0.01	---	---	---	---	---	---	---	---	---	1' lim stain, poss fz @20 C.A.
			E515491	250.00	255.00	0.02	---	---	---	---	---	---	---	---	---	6" fz 225' @30 C.A.
			E515492	255.00	260.00	0.01	---	---	---	---	---	---	---	---	---	loc bleaching @256'
			E515493	260.00	265.00	0.01	---	---	---	---	---	---	---	---	---	loc ser alt
			E515494	265.00	270.00	0.01	---	---	---	---	---	---	---	---	---	lim stains at 269', poss FZ @ 30 C.A.
			E515495	270.00	275.00	0.01	---	---	---	---	---	---	---	---	---	poss FZ 272.5' @30 C.A.
			E515496	275.00	280.00	0.01	---	---	---	---	---	---	---	---	---	
			E515497	280.00	285.00	0.01	---	---	---	---	---	---	---	---	---	fractures @ 25 C.A.
			E515498	285.00	290.00	0.01	---	---	---	---	---	---	---	---	---	
			E515499	290.00	295.00	0.01	---	---	---	---	---	---	---	---	---	
			E515500	295.00	300.00	0.19	---	---	---	---	---	---	---	---	---	
			E515501	300.00	305.00	0.01	---	---	---	1.0	---	---	---	---	---	1" qz-an vn @301.8'
			E515502	305.00	310.00	0.01	---	---	---	---	---	---	---	---	---	
			E515503	310.00	315.00	0.01	---	---	---	---	---	---	---	---	---	
			E515504	315.00	320.00	0.01	---	---	---	---	---	---	---	---	---	
			E515505	320.00	325.00	0.04	---	---	---	---	---	---	---	---	---	min tour stgrs @25 C.A.
			E515506	325.00	330.00	0.01	---	---	---	1.0	---	---	---	---	---	1" qz-an vn @320'
			E515507	330.00	335.00	0.01	---	---	---	---	---	1.0	---	---	---	
			E515508	335.00	340.00	0.01	---	---	---	---	---	---	---	---	---	
			E515509	340.00	345.00	0.01	---	---	---	---	---	---	0.5	---	---	loc ser alt
			E515510	345.00	350.00	0.01	---	---	---	1.0	---	---	0.5	---	---	1" qz-an vn
			E515511	350.00	355.00	0.01	---	---	---	---	---	---	---	---	---	min tour stgrs
			E515512	355.00	360.00	0.01	---	---	---	---	---	---	---	---	---	
			E515513	360.00	365.00	0.02	---	---	---	---	---	---	---	---	---	
			E515514	365.00	370.00	0.01	---	---	---	---	---	---	---	---	---	
			E515515	370.00	375.00	0.01	---	---	---	---	---	---	---	---	---	
			E515516	375.00	380.00	0.01	---	---	---	---	---	---	---	---	---	
			E515517	380.00	385.00	0.02	---	---	---	---	---	---	---	---	---	
			E515518	385.00	390.00	0.06	---	---	---	---	---	---	---	---	---	
			E515519	390.00	395.00	0.02	---	---	---	---	---	---	---	---	---	
			E515520	395.00	400.00	0.01	---	---	---	---	---	---	---	---	---	
			E515521	400.00	405.00	0.01	---	---	---	---	---	---	---	---	---	
			E515522	405.00	410.00	0.01	---	---	---	---	---	---	---	---	---	2' bky FZ 408-410' @ 50 C.A.
			E515523	410.00	415.00	0.01	---	---	---	---	---	---	---	---	---	
			E515524	415.00	420.00	0.01	---	---	---	---	---	---	---	---	---	6" bky gnd at 420'
			E515525	420.00	425.00	0.01	---	---	---	---	---	---	---	---	---	
			E515526	425.00	430.00	0.01	---	---	---	---	---	---	---	---	---	1' bicky grind @430'
			E515527	430.00	435.00	0.01	---	---	---	---	---	---	---	---	---	
			E515528	435.00	440.00	0.01	---	---	---	---	---	---	---	---	---	
			E515529	440.00	445.00	0.01	---	---	---	---	---	1.0	---	---	---	loc zns of bleaching
			E515530	445.00	450.00	0.01	---	---	---	---	---	---	---	---	---	
			E515531	450.00	455.00	0.01	---	---	---	---	---	---	---	---	---	tr cubic py
			E515532	455.00	460.00	0.01	---	---	---	---	---	---	0.5	---	---	

Hole Id: PR0052 Start Date: 05/16/1997 End Date: 05/21/1997

Geo	From	To	Sample	From	To	Assay	Fol'n	AK_V	QZ_V	QZ-AK_V	QZ-FU_V	QZ-TO_V	PY%	PO%	Alteration Type Int	Geology/Sample Comments
			E515533	460.00	465.00	0.01	---	---	---	---	---	---	---	---	---	q-a blebs
			E515534	465.00	470.00	0.01	---	---	---	---	---	---	---	---	---	
			E515535	470.00	475.00	0.01	---	---	---	---	---	---	0.5	---	---	loc 1-2% stgr py
			E515536	475.00	480.00	0.01	---	---	---	---	---	---	0.5	---	---	fg stgr py loc 1-2%
			E515537	480.00	485.87	0.01	---	---	---	---	---	---	1.0	---	---	fg disem py on cont
UM	485.87	557.74														Dark greyish-green, fine grained, locally highly magnetic, weakly to moderately foliated @ 50 C.A., scatterd qtz-ank stringers parallel to foliation, local pasty fault gouges, sharp upper contact @ 60 C.A., trace coarse cubic pyrite
			E515538	485.87	490.00	0.01	---	---	---	7.0	---	---	---	---	---	qz flood on cont
			E515539	490.00	495.00	0.01	---	---	---	---	---	---	---	---	---	
			E515540	495.00	500.00	0.02	---	---	---	---	---	---	---	---	---	
			E515541	500.00	505.00	0.05	---	---	---	---	---	---	---	---	---	
			E515542	505.00	510.00	0.01	---	---	---	---	---	---	---	---	---	
			E515543	510.00	515.00	0.01	---	---	---	---	---	---	---	---	---	
			E515544	515.00	520.00	0.01	---	---	---	---	---	---	---	---	---	
			E515545	520.00	525.00	0.01	---	---	---	---	---	---	---	---	---	
			E515546	525.00	530.00	0.01	---	---	---	---	---	---	---	---	---	
			E515547	530.00	535.00	0.01	---	---	---	---	---	---	---	---	---	
			E515548	535.00	540.00	0.01	---	---	---	---	---	---	---	---	---	
			E515549	540.00	545.00	0.01	---	---	---	---	---	---	---	---	---	
			E515550	545.00	550.00	0.01	---	---	---	---	---	---	---	---	---	
			E515551	550.00	557.74	0.02	---	---	---	---	---	---	---	---	---	

- EOH -



D Dome Mine Geology

SUBJECT _____ HOLE # PR0052 _____ SCALE 1" = 1000'

LOCATION OF DIAMOND DRILL HOLE _____ DEC 04 98



(Magnetic declination 11°W)

S 1/2

POST 4

LOT 4
CON 1

POST 1

E4000

E4500

E5000

N1000

557'.74'

PR0052
DIP -50
AZ 277°

N1000

S.E. 1/4 of S.1/2
P13152

PLACER DOME (CLA)LIMITED
11382 W&T (MR)

N500

N500

LOT 4

LOT 3

E4000

E4500

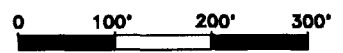
E5000

TOWNSHIP OF TISDALE

POST 3

TOWNSHIP OF DELORO

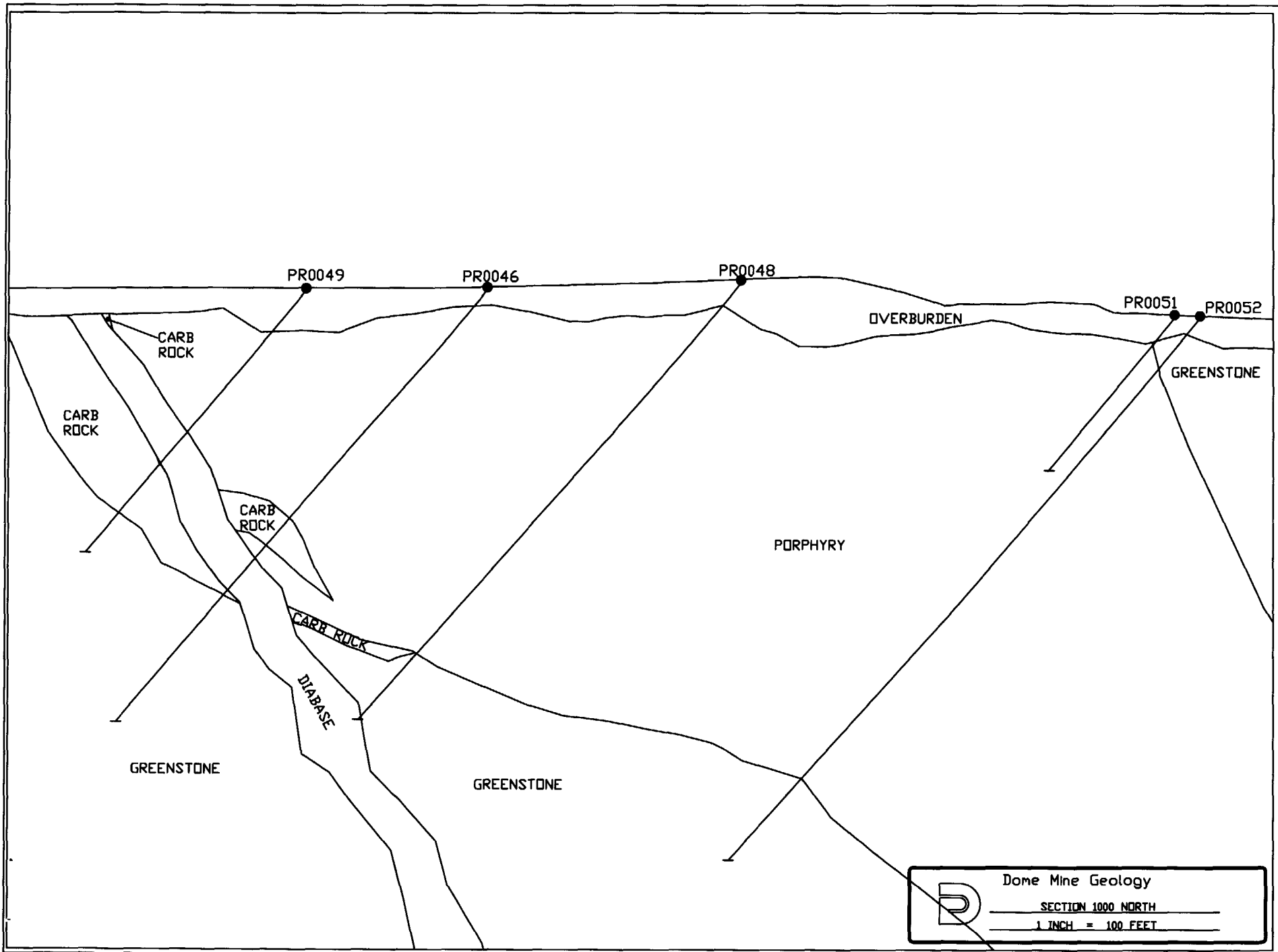
POST 2



SCALE : 1 : 2400

- MINE GRID
- ⊙ DRILL HOLE COLLAR & TRACE

D Dome Mine
 DRILL HOLE PLAN
 DDH # PR0052
 FIGURE 3



PR0049

PR0046

PR0048

PR0051

PR0052

CARB
ROCK

OVERBURDEN

GREENSTONE

CARB
ROCK

PORPHYRY


CARB
ROCK

CARB ROCK

DIABASE

GREENSTONE

GREENSTONE

 Dome Mine Geology
SECTION 1000 NORTH
1 INCH = 100 FEET



PLACER DOME NORTH AMERICA Limited

In Canada, a division of PLACER DOME (CLA) LIMITED

DOME MINE

P.O. BOX 70
SOUTH PORCUPINE, ONTARIO
CANADA
P0N 1H0

DDH: PR0053

NORTHING: 798.11
EASTING: 4604.67
ELEVATION: 6008.06

AZIMUTH: 274°
DIP: -50°

CLAIM NUMBER: P13152

CORE SIZE: NQ

DATE STARTED: 19TH MAY '97

DATE FINISHED: 20TH MAY '97

DATE LOGGED: 20TH MAY '97

LENGTH: 291.99'

DEPTH TO OVERBURDEN 13.12'

LOCATION: 686' WEST AND 617' SOUTH OF #1 POST

DRILLED BY: Bradley Bros. Limited
98, 14th Street
P.O. Box 2367
Rouyn-Noranda
Quebec, J9X 5A9

CORE STORAGE LOCATION: WHOLE CORE SAMPLED

REPRESENTATIVE OF COMPANY RESPONSIBLE FOR DRILL PROGRAM:

Placer Dome North America Ltd.
Dome Mine
Stephen Price, P.Geo.(B.C.)
Senior Open Pit Geologist
P.O. Box 70
South Porcupine
Ontario, P0N 1H0

20158

Signed by Stephen Price, P.Geo.(B.C.), Senior Open Pit Geologist, Dome Mine



42A06NE2009

2.19080

TISDALE

070

Placer Dome Canada Limited
Core Log Report

Hole Id: PR0053

Start Date: 05/16/1997

End Date: 05/20/1997

User: gcg

Hole Type EX
Northing 798.11 Easting 4604.667
Elevation 6008.058 Length 291.99
Comment Stabilized-hexagonal core barrel used for entire hole.

SURVEY INFORMATION

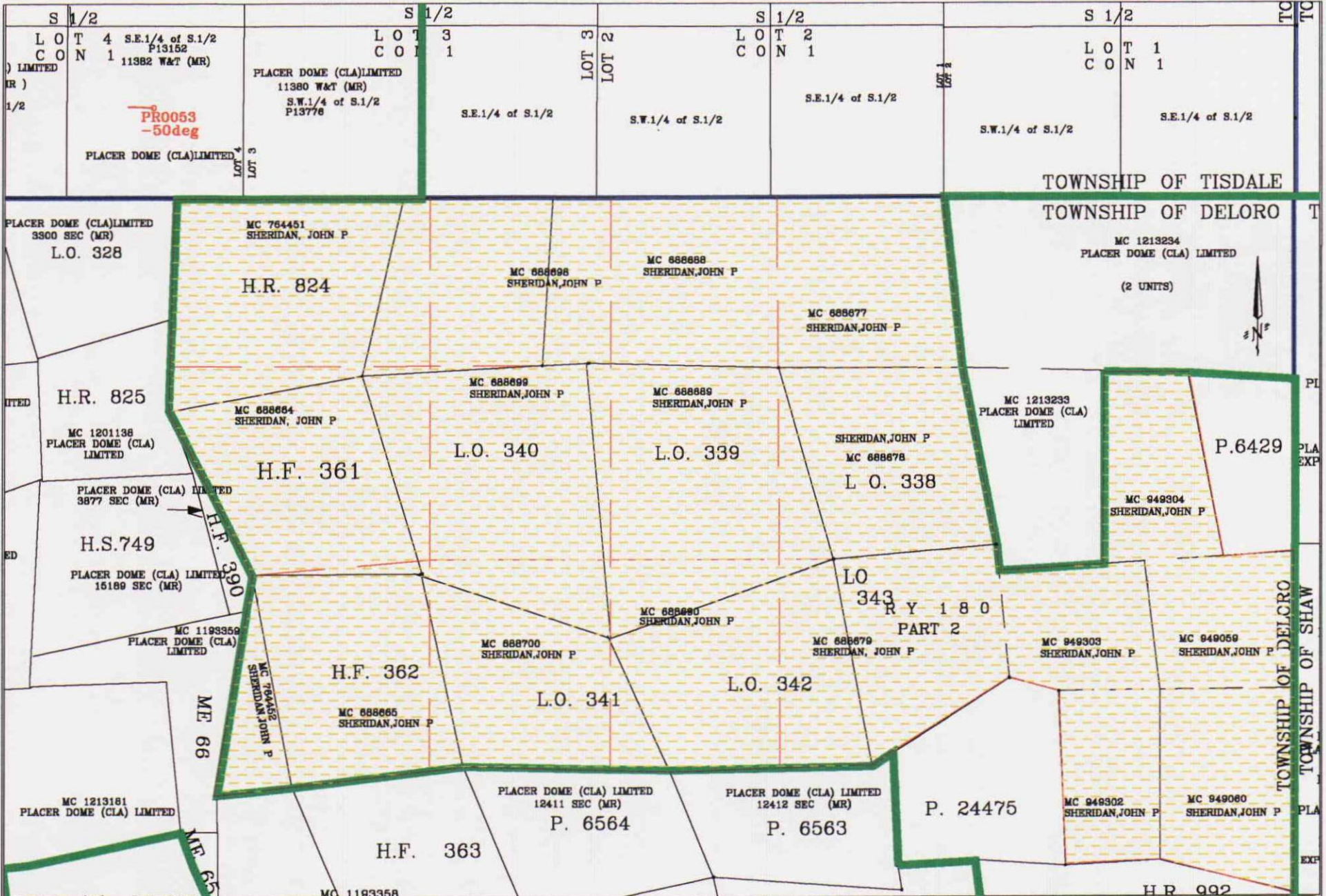
Depth	Incl.	Azimuth Cor.	Test Type by	Comment
0	-50.0	274	ACT	
100	-48.0	274	SS ppe	
200	-47.5	271	SS ppe	
287	-47.0	270	SS ppe	

Stephen P.

Hole Id: PR0053 Start Date: 05/16/1997 End Date: 05/20/1997

Geo	From	To	Sample	From	To	Assay	Fol'n	AK_V	QZ_V	QZ-AK_V	QZ-FU_V	QZ-TO_V	PY%	PO%	Alteration Type Int	Geology/Sample Comments
			E515399	200.00	205.00	0.02	---	---	---	---	---	---	---	---	---	6" blkky grind @200'
			E515400	205.00	210.00	0.01	---	---	---	---	---	---	---	---	---	1.5' blkky gnd @208'
			E515401	210.00	213.25	0.01	---	---	---	---	---	---	---	---	---	faulted contact w um
UM	213.25	291.99														Dark greyish-green, fine grained, weakly to moderately foliated @ 40 C.A., scattered qtz-calcite stringers, trace pyrite, numerous pasty fault gouges, faulted upper contact
			E515402	213.25	220.00	0.01	---	---	---	---	---	---	---	---	---	
			E515403	220.00	225.00	0.01	---	---	---	---	---	---	---	---	---	
			E515404	225.00	230.00	0.01	---	---	---	---	---	---	---	---	---	
			E515405	230.00	235.00	0.01	---	---	---	---	---	---	---	---	---	
			E515406	235.00	240.00	0.01	---	---	---	---	---	---	---	---	---	
			E515407	240.00	245.00	0.01	---	---	---	---	---	---	---	---	---	
			E515408	245.00	250.00	0.01	---	---	---	---	---	---	---	---	---	
			E515409	250.00	255.00	0.01	---	---	---	---	---	---	---	---	---	
			E515410	255.00	260.00	0.01	---	---	---	---	---	---	---	---	---	
			E515411	260.00	265.00	0.01	---	---	---	---	---	---	---	---	---	
			E515412	265.00	270.00	0.02	---	---	---	---	---	---	---	---	---	
			E515413	270.00	275.00	0.02	---	---	---	---	---	---	---	---	---	
			E515414	275.00	280.00	0.01	---	---	---	---	---	---	---	---	---	
			E515415	280.00	285.00	0.01	---	---	---	---	---	---	---	---	---	
			E515416	285.00	291.99	0.01	---	---	---	---	---	---	---	---	---	

- EOH -



PR0053
-50deg



Dome Mine Geology

SUBJECT _____ HOLE # PR0053 _____ SCALE 1" = 1000'
 LOCATION OF DIAMOND DRILL HOLE _____ DEC\04\98



(Magnetic declination 11°W)

S 1/2

POST 4

LOT 4
CON 1

POST 1

E4000

E4500

E5000

N1000

N1000

PR0053
DIP -50
AZ 274°

291'.99

S.E. 1/4 of S.1/2
P13152

PLACER DOME (CLA)LIMITED
11382 W&T (MR)

N500

N500

LOT 4

LOT 3

E4000

E4500

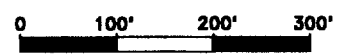
E5000

TOWNSHIP OF TISDALE

POST 3

TOWNSHIP OF DELORO

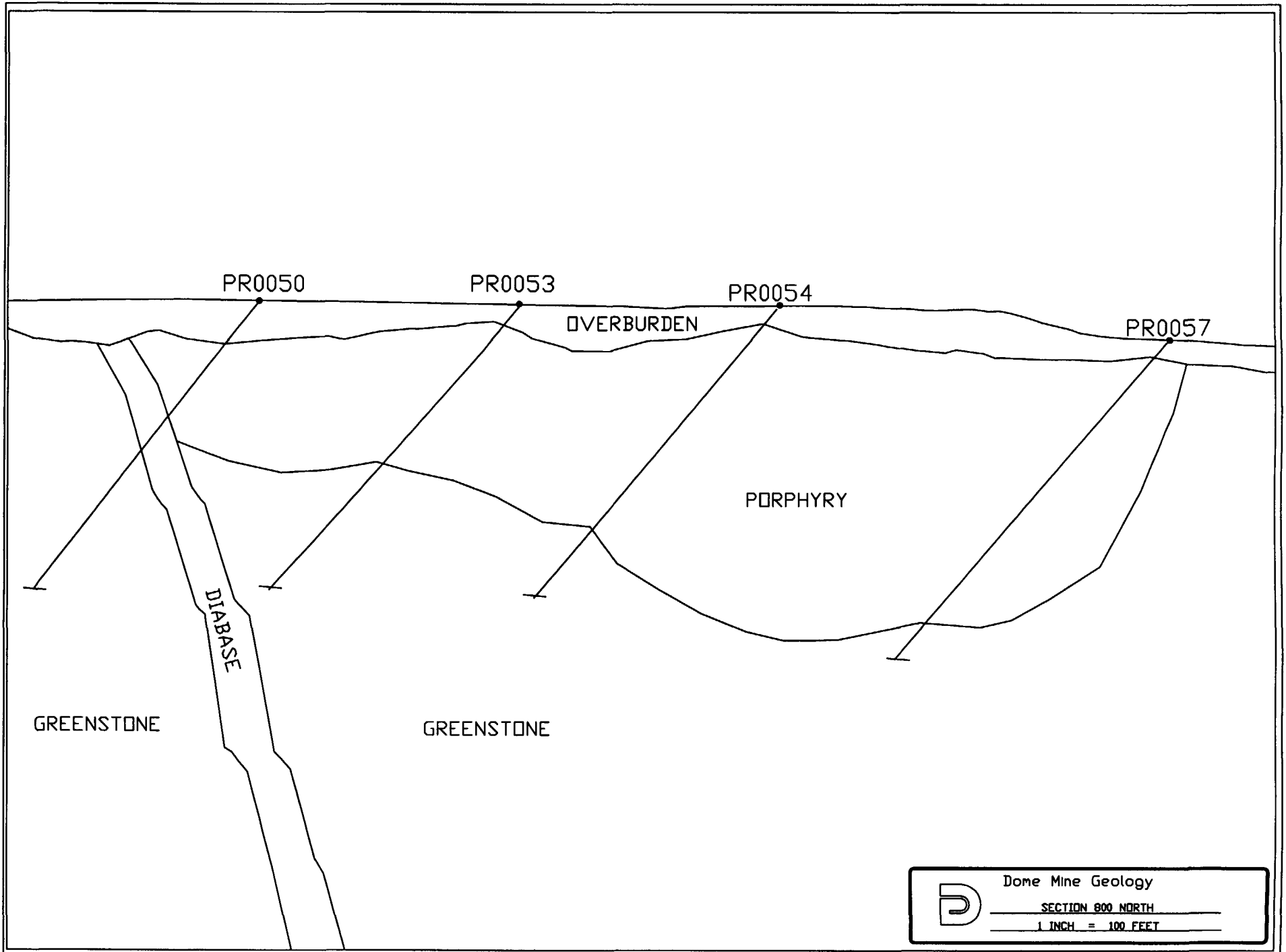
POST 2



SCALE : 1 : 2400

- MINE GRID
- DRILL HOLE COLLAR & TRACE

D Dome Mine
 DRILL HOLE PLAN
 DDH # PR0053
 FIGURE 3



D Dome Mine Geology
SECTION 800 NORTH
1 INCH = 100 FEET



PLACER DOME NORTH AMERICA Limited

In Canada, a division of PLACER DOME (CLA) LIMITED

DOME MINE

P.O. BOX 70
SOUTH PORCUPINE, ONTARIO
CANADA
P0N 1H0

DDH: PR0054

NORTHING: 796.95
EASTING: 4805.65
ELEVATION: 6006.06

AZIMUTH: 275°
DIP: -50°

CLAIM NUMBER: P13152

CORE SIZE: NQ

DATE STARTED: 19TH MAY '97

DATE FINISHED: 21TH MAY '97

DATE LOGGED: 21TH MAY '97

LENGTH: 291.99'

DEPTH TO OVERBURDEN 12.55'

LOCATION: 485' WEST AND 620' SOUTH OF #1 POST

DRILLED BY: Bradley Bros. Limited
98, 14th Street
P.O. Box 2367
Rouyn-Noranda
Quebec, J9X 5A9

CORE STORAGE LOCATION: WHOLE CORE SAMPLED

REPRESENTATIVE OF COMPANY RESPONSIBLE FOR DRILL PROGRAM:

Placer Dome North America Ltd.
Dome Mine
Stephen Price, P.Geo.(B.C.)
Senior Open Pit Geologist
P.O. Box 70
South Porcupine
Ontario, P0N 1H0

20158

Signed by Stephen Price, P.Geo.(B.C.), Senior Open Pit Geologist, Dome Mine



42A06NE2009

2.19080

TISDALE

080

Placer Dome Canada Limited
Core Log Report

Hole Id: PR0054

Start Date: 05/20/1997

End Date: 05/21/1997

User: gcg

Hole Type EX
Northing 796.951 Easting 4805.65
Elevation 6006.059 Length 291.99
Comment Stabilized-hexagonal core barrel used for entire hole.

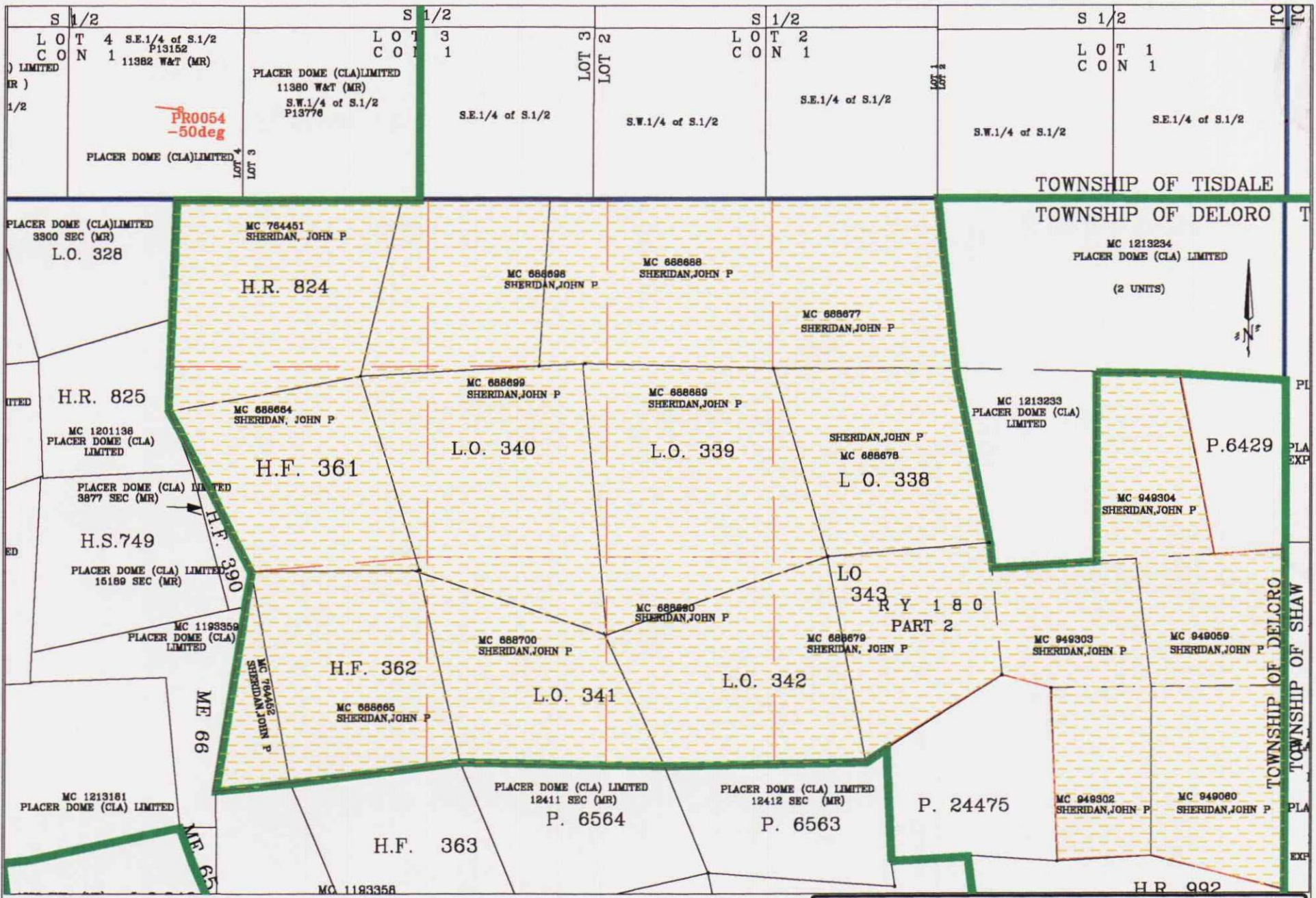
SURVEY INFORMATION

Depth	Incl.	Azimuth Cor.	Test Type by	Comment
0	-50.0	275	ACT	
41	-49.5	275	SS ppe	
100	-49.5	276	SS ppe	
200	-49.0	276	SS ppe	


Hole Id: PR0054 Start Date: 05/20/1997 End Date: 05/21/1997

Geo	From	To	Sample	From	To	Assay	Fol'n	AK_V	QZ_V	QZ-AK_V	QZ-FU_V	QZ-TO_V	PY%	PO%	Alteration Type	Int	Geology/Sample Comments
			E515718	200.00	205.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515719	205.00	210.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E515720	210.00	215.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515721	215.00	220.00	0.01	---	---	---	---	---	---	---	---	---	---	scatt q-a stgr @ 30 C.A.
			E515722	220.00	225.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515723	225.00	230.00	0.04	---	---	---	---	---	---	---	---	---	---	
			E515724	230.00	236.50	0.02	---	---	---	2.0	---	---	---	---	---	---	lim stains
UG	236.50	291.99															Dark greyish-green, fine grained, brecciated texture, weakly foliated @ 40 C.A., scattered qtz-ank blebs and stringers, trace coarse cubic pyrite, faulted upper contact with 4" pasty gouge @ 60 C.A.
			E515725	236.50	240.00	0.01	---	---	---	---	---	---	---	---	---	---	blocky FZ
			E515726	240.00	245.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515727	245.00	250.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515728	250.00	255.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515729	255.00	260.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515730	260.00	265.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515731	265.00	270.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515732	270.00	275.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515733	275.00	280.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515734	280.00	285.00	0.01	---	---	---	6.0	---	---	---	---	---	---	
			E515735	285.00	291.99	0.01	---	---	---	---	---	---	---	---	---	---	

- EOH -



Dome Mine Geology


 SUBJECT _____ HOLE # PR0054 _____ SCALE 1' = 1000'
 LOCATION OF DIAMOND DRILL HOLE _____ DEC 04 1998



(Magnetic declination 11'W)

S 1/2

POST 4

LOT 4
CON 1

POST 1

E4000

E4500

E5000

N1000

N1000

PRO054
DIP -50
AZ 275°

291'.99



S.E. 1/4 of S.1/2
P13152

PLACER DOME (CLA)LIMITED
11382 W&T (MR)

N500

N500

LOT 4
LOT 3

E4000

E4500

E5000

TOWNSHIP OF TISDALE

POST 3

TOWNSHIP OF DELORO

POST 2



SCALE : 1 : 2400

- MINE GRID
- ⊖ DRILL HOLE COLLAR & TRACE

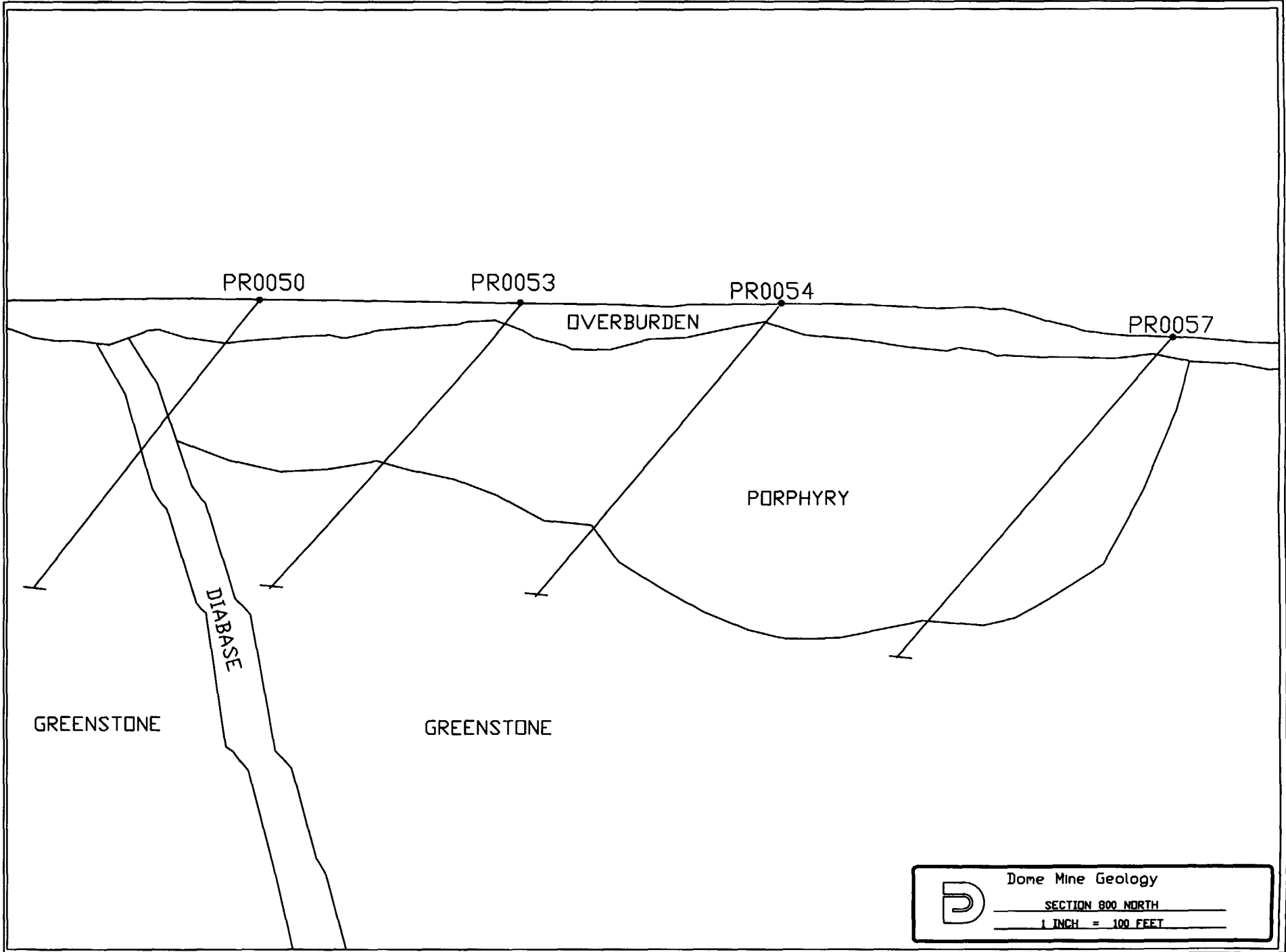


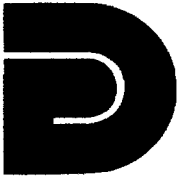
Dome Mine

DRILL HOLE PLAN

DDH # PR0054

FIGURE 3





PLACER DOME NORTH AMERICA Limited

In Canada, a division of PLACER DOME (CLA) LIMITED

DOME MINE

P.O. BOX 70
SOUTH PORCUPINE, ONTARIO
CANADA
P0N 1H0

2.19080

DDH: PR0057

NORTHING: 799.81
EASTING: 5107.70
ELEVATION: 5980.17

AZIMUTH: 270°
DIP: -49°

CLAIM NUMBER: P13152

CORE SIZE: NQ

DATE STARTED: 19TH MAY '97

DATE FINISHED: 21TH MAY '97

DATE LOGGED: 22TH MAY '97

LENGTH: 321.52'

DEPTH TO OVERBURDEN 13.12'

LOCATION: 188.5' WEST AND 612' SOUTH OF #1 POST

DRILLED BY: Bradley Bros. Limited
98, 14th Street
P.O. Box 2367
Rouyn-Noranda
Quebec, J9X 5A9

CORE STORAGE LOCATION: WHOLE CORE SAMPLED

REPRESENTATIVE OF COMPANY RESPONSIBLE FOR DRILL PROGRAM:

Placer Dome North America Ltd.
Dome Mine
Stephen Price, P. Geo. (B.C.)
Senior Open Pit Geologist
P.O. Box 70
South Porcupine
Ontario, P0N 1H0

20158

Signed by Stephen Price, P. Geo. (B.C.), Senior Open Pit Geologist, Dome Mine



42A06NE2009

2.19080

TISDALE

090

Placer Dome Canada Limited
Core Log Report

Hole Id: PR0057

Start Date: 05/21/1997

End Date: 05/22/1997

User: gcg

Hole Type EX
Northing 799.808 Easting 5107.699
Elevation 5980.174 Length 321.52
Comment Stabilized-hexagonal core barrel used for entire hole.

SURVEY INFORMATION

Depth	Incl.	Azimuth Cor.	Test Type by	Comment
0	-49.0	270	ACT	
100	-49.0	271	SS ppe	
200	-49.0	272	SS ppe	

Stephen P.

2.19080

Hole Id: PR0057 Start Date: 05/21/1997 End Date: 05/22/1997

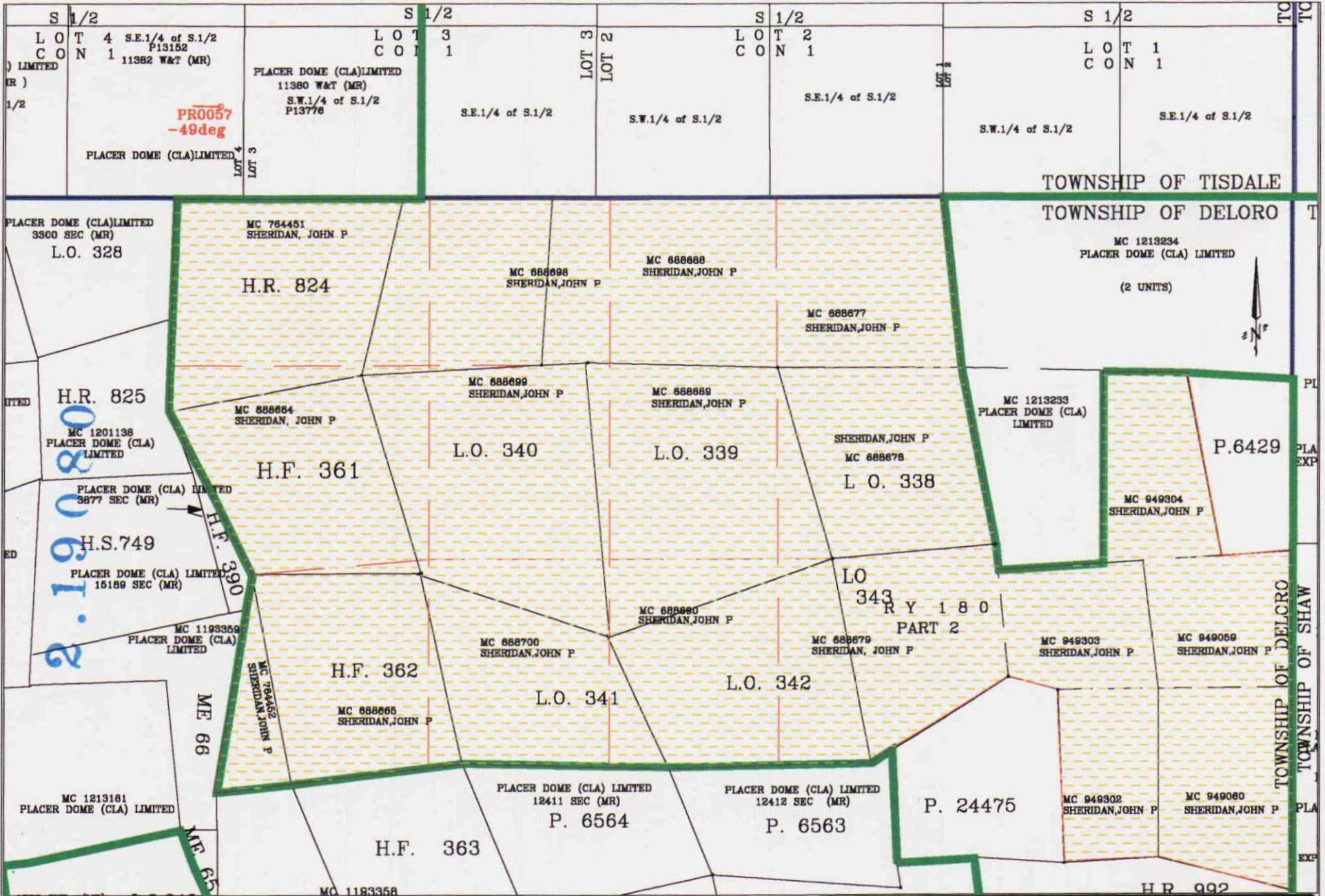
Geo	From	To	Sample	From	To	Assay	Fol'n	AK_V	QZ_V	QZ-AK_V	QZ-FU_V	QZ-TO_V	PY%	PO%	Alteration Type	Int	Geology/Sample Comments
OVB	0.00	13.12															
POR	13.12	292.60															Medium grey, fine to medium grained, massive to weakly foliated @ 40 C.A., numerous zones of blocky core with limonite staining (possible fault zones), scattered qtz-ank veins and stringers, minor fine grained disem pyrite with local zones of 2% cubic stringer py.
			E515552	13.14	20.00	0.01	---	---	---	---	---	---	0.5	---	---	---	
			E515553	20.00	25.00	0.01	---	---	---	---	---	---	0.5	---	---	---	
			E515554	25.00	30.00	0.04	---	---	---	---	---	---	0.5	---	---	---	c-a blebs
			E515555	30.00	35.00	0.04	---	---	---	---	---	---	0.5	---	---	---	6" blkcy gnd w lim stains at 34'
			E515556	35.00	40.00	0.01	---	---	---	---	---	1.0	---	---	---	---	
			E515557	40.00	45.00	0.01	---	---	---	---	---	---	0.5	---	---	---	loc 1% stgr py
			E515558	45.00	50.00	0.01	---	---	---	---	---	---	---	---	---	---	q-a blebs
			E515559	50.00	55.00	0.01	---	---	---	---	---	---	1.0	---	---	---	min tour stgrs
			E515560	55.00	60.00	0.10	---	---	---	---	---	---	1.0	---	---	---	loc 2% cubic stgr py
			E515561	60.00	65.00	0.01	---	---	---	---	---	---	0.5	---	---	---	cal-ank blebs
			E515562	65.00	70.00	0.03	---	---	---	---	---	---	0.5	---	---	---	
			E515563	70.00	75.00	0.01	---	---	---	---	---	---	0.5	---	---	---	
			E515564	75.00	80.00	0.01	---	---	---	0.5	---	---	---	---	---	---	ptchy ser alt
			E515565	80.00	85.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515566	85.00	90.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515567	90.00	95.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515568	95.00	100.00	0.01	---	---	---	---	---	---	---	---	---	---	ptchy ser alt
			E515569	100.00	105.00	0.01	---	---	---	---	---	---	---	---	---	---	ser wisps & patches
			E515570	105.00	110.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E515571	110.00	115.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515572	115.00	120.00	0.01	---	---	---	---	---	---	---	---	---	---	qtz-ank blebs & stgrs
			E515573	120.00	125.00	0.01	---	---	---	---	---	---	---	---	---	---	qtz-ank blebs
			E515574	125.00	130.00	0.01	---	---	---	12.0	---	---	---	---	---	---	1' qtz flooding at 127'
			E515575	130.00	135.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515576	135.00	140.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515577	140.00	145.00	0.01	---	---	---	---	---	---	---	---	---	---	qtz-ank blebs
			E515578	145.00	150.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515579	150.00	155.00	0.08	---	---	---	---	---	---	---	---	---	---	
			E515580	155.00	160.00	0.01	---	---	---	2.0	---	---	---	---	---	---	
			E515581	160.00	165.00	0.02	---	---	---	---	---	---	---	---	---	---	
			E515582	165.00	170.00	0.17	---	---	---	---	---	---	0.5	---	---	---	qtz-ank blebs & stgrs
			E515583	170.00	175.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515584	175.00	180.00	0.32	---	---	---	---	---	---	1.0	---	---	---	loc vuggy/blkcy zones
			E515585	180.00	185.00	0.04	---	---	---	---	---	---	---	---	---	---	8" FZ at 187' @90 C.A.
			E515586	185.00	190.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515587	190.00	195.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515588	195.00	200.00	0.02	---	---	---	---	---	---	0.5	---	---	---	
			E515589	200.00	205.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515590	205.00	210.00	0.01	---	---	---	---	---	0.5	---	---	---	---	min tour stgrs @ 20 C.A.
			E515591	210.00	215.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515592	215.00	220.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515593	220.00	225.00	0.03	---	---	---	---	---	---	0.5	---	---	---	loc 2% py

Hole Id: PR0057 Start Date: 05/21/1997 End Date: 05/22/1997

Geo	From	To	Sample	From	To	Assay	Fol'n	AK_V	QZ_V	QZ-AK_V	QZ-FU_V	QZ-TO_V	PY%	PO%	Alteration Type	Geology/Sample Int	Comments
			E515594	225.00	230.00	0.01	---	---	---	1.0	---	---	---	---	---	---	
			E515595	230.00	235.00	0.02	---	---	---	---	---	---	---	---	---	---	1' blkky grind w lim stains @234'
			E515596	235.00	240.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515597	240.00	245.00	0.01	---	---	---	---	---	---	0.5	---	---	---	min tour stgrs
			E515598	245.00	250.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515599	250.00	255.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515600	255.00	260.00	0.01	---	---	---	---	---	---	---	---	---	---	6" vuggy zone at 257' w lim staining
			E515601	260.00	265.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515602	265.00	270.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515603	270.00	275.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515604	275.00	280.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515605	280.00	285.00	0.01	---	---	---	---	---	---	---	---	---	---	
UM	292.60	321.52	E515606	285.00	292.60	0.01	---	---	34.0	---	---	---	---	---	---	---	2.6' qtz flood on cont. Dark greenish-grey, fine grained, brecciated texture, weakly foliated @ 50 C.A., trace coarse cubic pyrite, sharp upper contact @ 85 C.A.
			E515607	292.60	300.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515608	300.00	305.00	0.01	---	---	---	---	---	---	---	---	---	---	tr cubic py
			E515609	305.00	310.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515610	310.00	315.00	0.01	---	---	---	---	---	---	---	---	---	---	
			E515611	315.00	321.52	0.01	---	---	---	---	---	---	---	---	---	---	

- EOH -

2.19080



Dome Mine Geology
 SUBJECT _____ HOLE # PR0057 _____ SCALE 1' = 1000'
 LOCATION OF DIAMOND DRILL HOLE _____ DEC\04\98



(Magnetic declination 11°W)

S 1/2

POST 4

LOT 4
CON 1

POST 1

E 4000

E 4500

E 5000

N 1000

N 1000

PR0057
DIP -49
AZ 270°

321'.52

S.E. 1/4 of S.1/2
P13152

PLACER DOME (CLA)LIMITED
11382 W&T (MR)

N 500

N 500

LOT 4

LOT 3

E 4000

E 4500

E 5000

TOWNSHIP OF TISDALE

POST 3

TOWNSHIP OF DELORO

POST 2



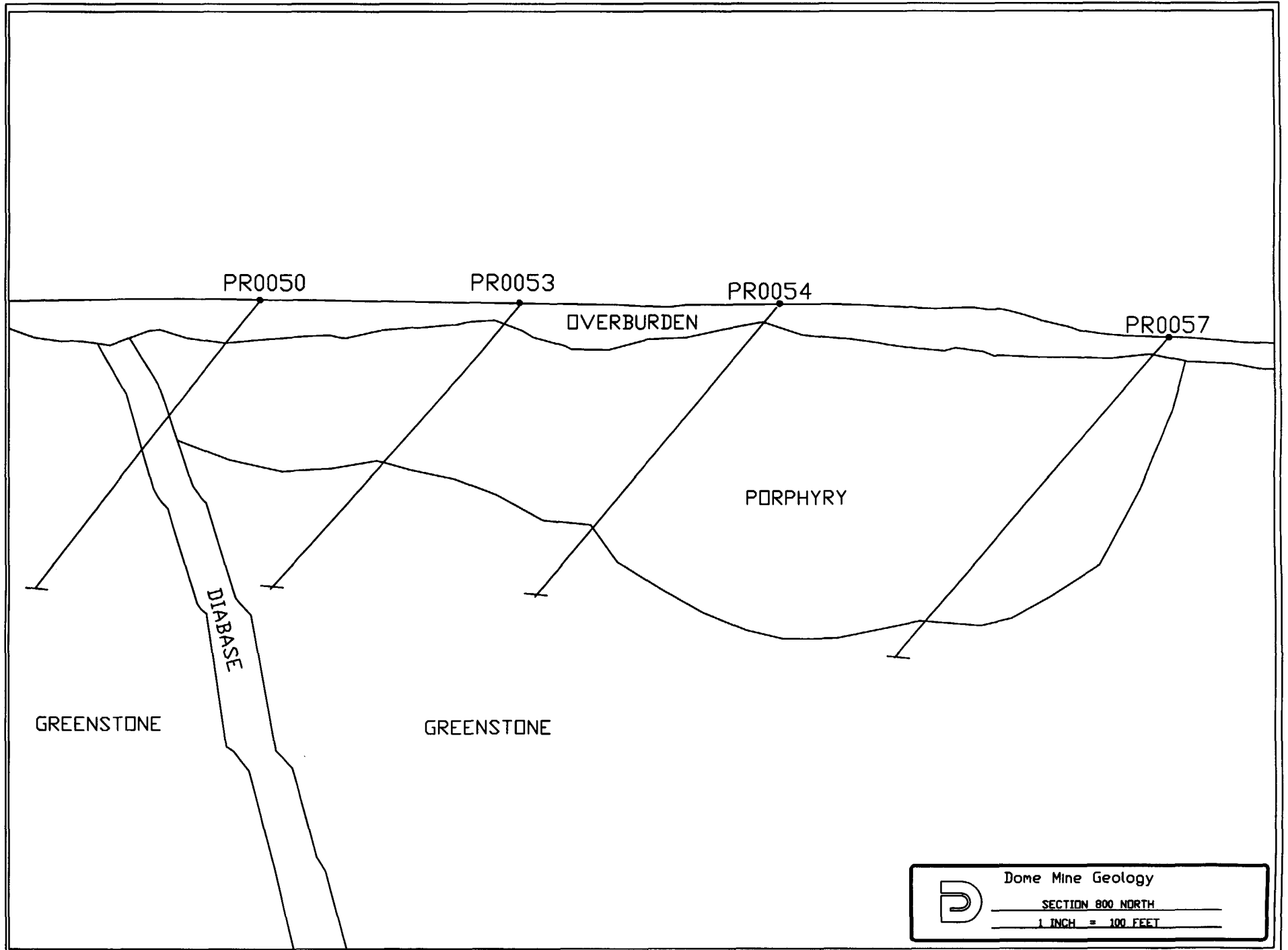
SCALE : 1 : 2400

- MINE GRID
- ⊙ DRILL HOLE COLLAR & TRACE



Dome Mine
DRILL HOLE PLAN
DDH # PR0057

FIGURE 3



Dome Mine Geology
SECTION 800 NORTH
1 INCH = 100 FEET

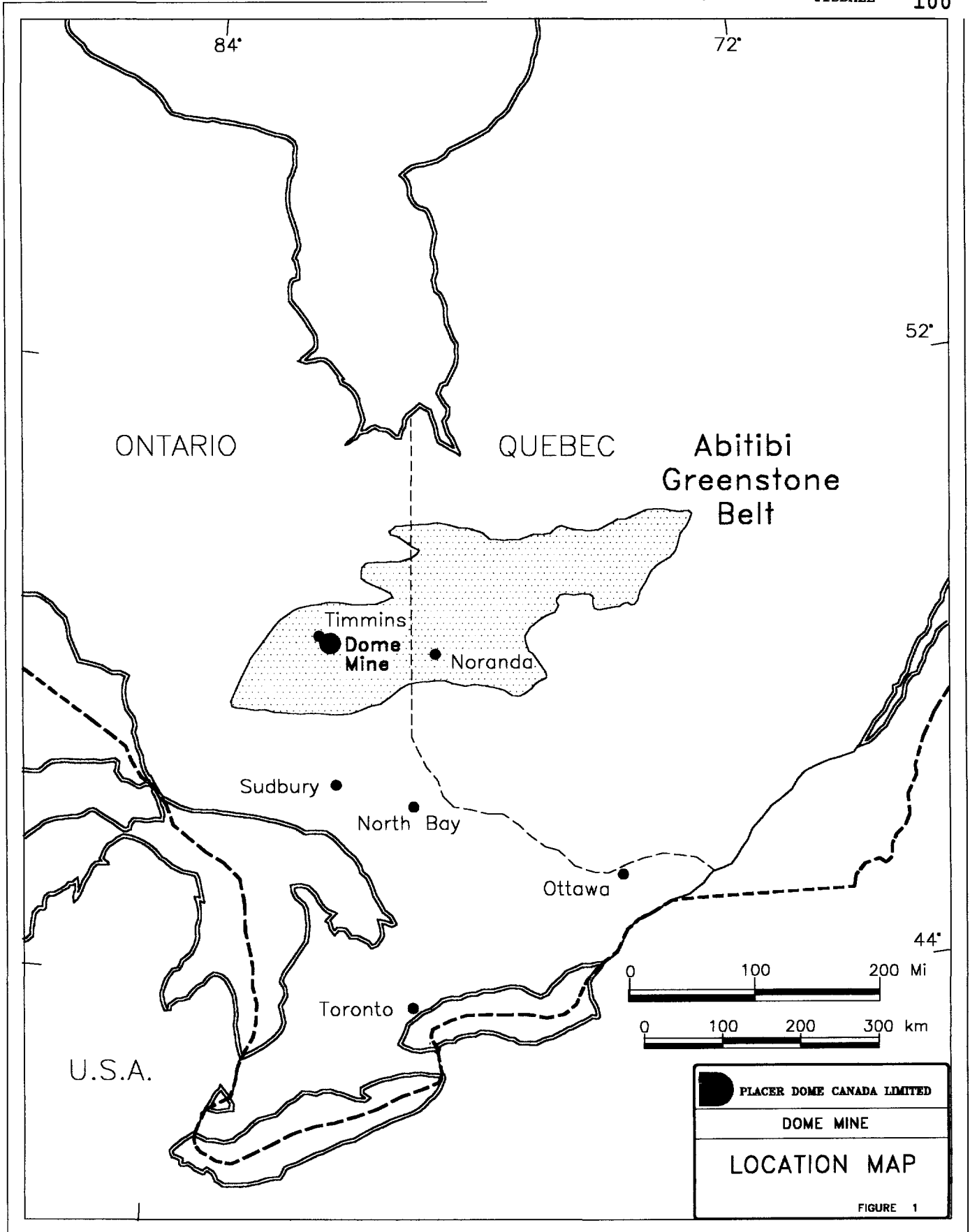


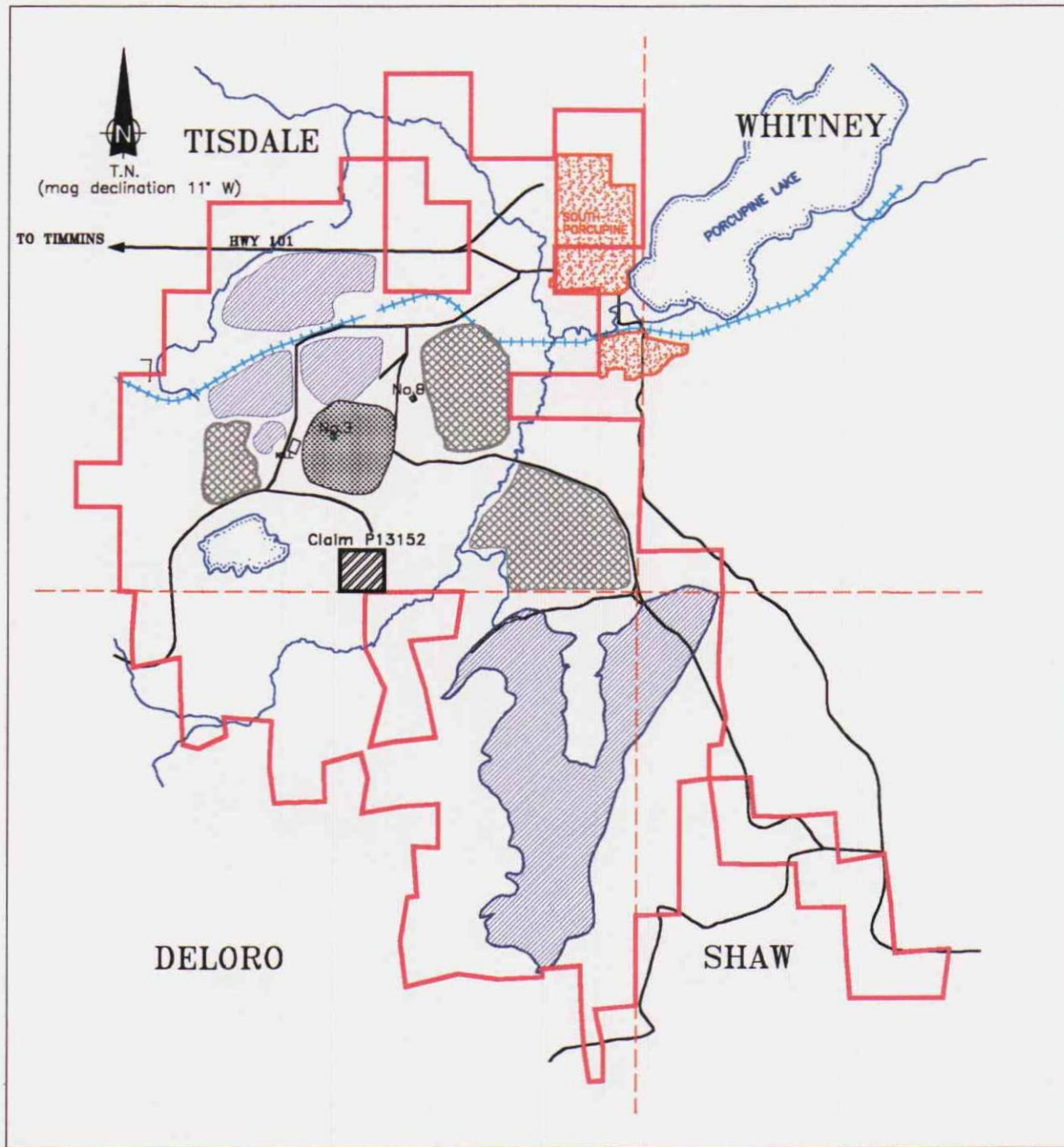
42A06NE2009

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TISDALE

100



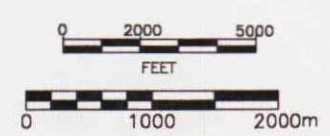


LEGEND

- SHAW** TOWNSHIP NAME
- - - TOWNSHIP BOUNDARY
- PROPERTY OUTLINE

- EXISTING DOME TAILING DAMS
- WASTE DUMPS
- PIT OUTLINE

- MILL
- MINE SHAFT
- ROAD
- RAILWAY
- TOWNSITE
- CREEK



	PLACER DOME NORTH AMERICA
	DOME MINE
	PROPERTY LOCATION MAP

FIGURE 2

LEGEND OF LOGGING CODES

GEOLOGY

CAS	Casing
CB	Carb Rock
CON	Conglomerate
DIA	Diabase
FG	Flowy Greenstone
FZ	Fault Zone
GRA	Graphitic Argillite
GWK	Greywacke
HA	Highly Altered
KRF	Krist Fragmental
LC	Lost Core
NL	Not Logged
OVB	Overburden
POR	Porphyry
QZ	Quartz
S/G	Slate/Greywacke
SLT	Slate
TAL	Talc
UG	Uniform Greenstone
UM	Ultramafic

ALTERATION

AB	Albite feldspar
AK	Ankeritization
BI	Biotization
CA	Calcitization
CL	Chloritization
SE	Sericitization
SI	Silicification
TC	Talc Alteration

MINERALIZATION

AG	Silver
AK	Ankerite
AS	Arsenopyrite
AU	Gold
BI	Biotite
CA	Calcite
CP	Chalcopyrite
EP	Epidote
FU	Fuchsite
GA	Galena
HE	Hematite
MT	Magnetite
PO	Pyrrhotite
PY	Pyrite
QZ	Quartz
SD	Siderite
SE	Sericite
SP	Sphalerite
TO	Tourmaline

VEINING

AK	Ankerite
CA	Calcite
PY	Pyrite
QZ	Quartz
QZ-CA	Quartz-Calcite
QZ-FU	Quartz-Fuchsite
QZ-TO	Quartz-Tourmaline



Ministry of
Northern Development
and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) <i>W9560-00907</i>
Assessment Files Research Imaging



42A06NE2009 2.19080 TISDALE 900

Subsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, assessment work and correspond with the mining land holder. Questions about this form should be directed to the Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, L6P 7K5.

2.19080

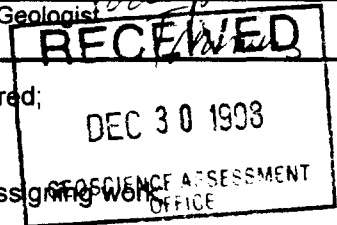
1. Recorded holder(s) (Attach a list if necessary)

Name J. P. SHERIDAN	Client Number 193812
Address 150 York Street; Suite 1614; Toronto; Ontario; M5H 3S5	Telephone Number (416) 385 9221
	Fax Number (416) 363 9102
Name Placer Dome (CLA) Limited	Client Number 300210
Address 130 Adelaide Street West P.O.Box 43; Suite 3201; Toronto; Ontario; M5H 3P5	Telephone Number (905) 770 2005
	Fax Number (905) 770 2006

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

Geotechnical: prospecting, surveys, assays and work under section 18 (regs)	<input checked="" type="checkbox"/>	Physical: exploration diamond drilling and associated assays	<input type="checkbox"/>	Rehabilitation	<input type="checkbox"/>
Work Type Diamond drilling	Office Use				
	Commodity				
	Total \$ Value of Work Claimed \$ 67,166				
Dates Work Performed From 10 05 1997 To 30 05 1997	NTS Reference				
Global Positioning System Data (if available)	Township/Area Deloro		Mining Division <i>Porcupine</i>		
	M or G-Plan Number G		Resident Geologist District <i>[Signature]</i>		

- Please remember to:
- obtain a work permit from the Ministry of Natural Resources as required;
 - provide proper notice to surface rights holders before starting work;
 - complete and attach a Statement of Costs, form 0212;
 - provide a map showing contiguous mining lands that are linked for assessment work;
 - include two copies of your technical report.



3. Person or companies who prepared the technical report (Attach a list if necessary)

Name Stephen Price, P. Geo. (B.C.); Senior Open Pit Geologist; Dome Mine	Telephone Number (705) 235 3221
Address P.O. BOX 70 ; South Porcupine; Ontario; P0N 1H0	Fax Number (705) 235 2343
Name	Telephone Number
Address	Fax Number

4. Certification by Recorded Holder or Agent

I, M. Luba Vcislo, do hereby certify that I have personal knowledge of the facts set forth in

(Print Name)

this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent <i>[Signature]</i>	Date December 21, 1998
Agent's Address 130 Adelaide Street W; P.O. BOX 43; Suite 3201; Toronto; Ontario; M5H 3P5	Telephone Number (905) 770 2005
	Fax Number (905) 770 2006

130 Adelaide Street W, Toronto, Ontario, M5H 3P5

5. **Work to be recorded and distributed.** Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany the form.

W9860. 00907

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work To be distributed at a future date
60778 P 131152	15.99Ha	\$67,166.00	0	\$23,526	\$43,640
For distribution see SCHEDULE "A" attached					
			2.19080		
Column Totals	1	\$67166	0	\$23,526	\$43,640

RECEIVED
 DEC 30 1998
 3:20
 GEOSCIENCE ASSESSMENT
 OFFICE

I, M. Luba Vcislo, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing <i>M. Luba Vcislo</i>	Date December 21, 1998
--	----------------------------------

6. Instruction for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)		

SCHEDULE "A"
REPORT OF WORK CONDUCTED
AFTER RECORDING CLAIM

Work Report Number for Applying Reserve	CLAIM NUMBER	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	P 688664	1	0.00	1307.00	0.00	0.00
	P 688665	1	0.00	1307.00	0.00	0.00
	P 688677	1	0.00	1307.00	0.00	0.00
	P 688678	1	0.00	1307.00	0.00	0.00
	P 688679	1	0.00	1307.00	0.00	0.00
	P 688688	1	0.00	1307.00	0.00	0.00
	P 688689	1	0.00	1307.00	0.00	0.00
	P 688690	1	0.00	1307.00	0.00	0.00
	P 688698	1	0.00	1307.00	0.00	0.00
	P 688699	1	0.00	1307.00	0.00	0.00
	P 688700	1	0.00	1307.00	0.00	0.00
	P 764451	1	0.00	1307.00	0.00	0.00
	P 764452	1	0.00	1307.00	0.00	0.00
	P 949059	1	0.00	1307.00	0.00	0.00
	P 949060	1	0.00	1307.00	0.00	0.00
	P 949302	1	0.00	1307.00	0.00	0.00
	P 949303	1	0.00	1307.00	0.00	0.00
	P 949304	1	0.00	1307.00	0.00	0.00
*** Total ***			0.00	23526.00	0.00	0.00

RECEIVED
DEC 30 1998
GEOSCIENCE ASSESSMENT
OFFICE

6. 19030

HLV



Statement of Costs for Assessment Credit

Transaction Number (office use) W98LO 06907

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Table with 4 columns: Work Type, Units of work, Cost Per Unit of work, Total Cost. Rows include Exploration Diamond Drilling, Sampling, Drill location planning, Associated Costs (Supplies, Transportation, Food and Lodging), and Total Value of Assessment Work (\$67,166.00).

RECEIVED DEC 30 1998 3:00 GEOSCIENCE ASSESSMENT OFFICE

Calculations of Filing Discounts:

- 1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work.

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification.

Certification verifying costs:

I, M. Luba Vcislo, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as Land Manager I am authorized to make this certification. (recorded holder, agent, or state company position with signing authority)

Signature [Handwritten Signature] Date Dec. 21/1998

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (877) 670-1555

May 10, 1999

JOHN PATRICK SHERIDAN
150 YORK STREET
SUITE 1614
TORONTO, ONTARIO
M5M-3S5

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.19080

Status

Subject: Transaction Number(s): W9860.00907 Approval After Notice

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at lucille.jerome@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,



ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.19080

Date Correspondence Sent: May 10, 1999

Assessor: Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9860.00907	131152	DELORO	Approval After Notice	May 07, 1999

Section:

16 Drilling PDRILL

The revisions outlined in the Notice dated March 22, 1999, have been addressed. Assessment work credit has been approved as outlined on the Declaration of Assessment Work Form that accompanied this submission.

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

M. Luba Vcislo
TORONTO, ONTARIO, CANADA

JOHN PATRICK SHERIDAN
TORONTO, ONTARIO

PLACER DOME (CLA) LIMITED
TORONTO, ON

Aerial Cableway	Pipeline
Boundary	Lease ground
International	Railroad
District, Township	Single Track
Division Boundary	Double Track
Approximate	Unimproved
Lot, Concession	Road
Approximate	County
Approximate	Township
Part Boundary	Access (road or right-of-way)
Bridge	Access (road or right-of-way)
Road, Railway	Trail, Bush Road
Building	(portage bridge)
Chimney	Rapids
Cliff, Pit, Pile	Public land river
Contours	with multiple rapids
Interpretive	Double line river
Approximate	with multiple rapids
Control Points	Reservoir
Horizontal	Approximate
Vertical	Reservoir
Culvert	Approximate
Lock	Reservoir
Marsh or Swamp	Utility Poles
Mast	Wharf, Dock, Pier
Mine Head Frame	Wooded Area
Outcrop	

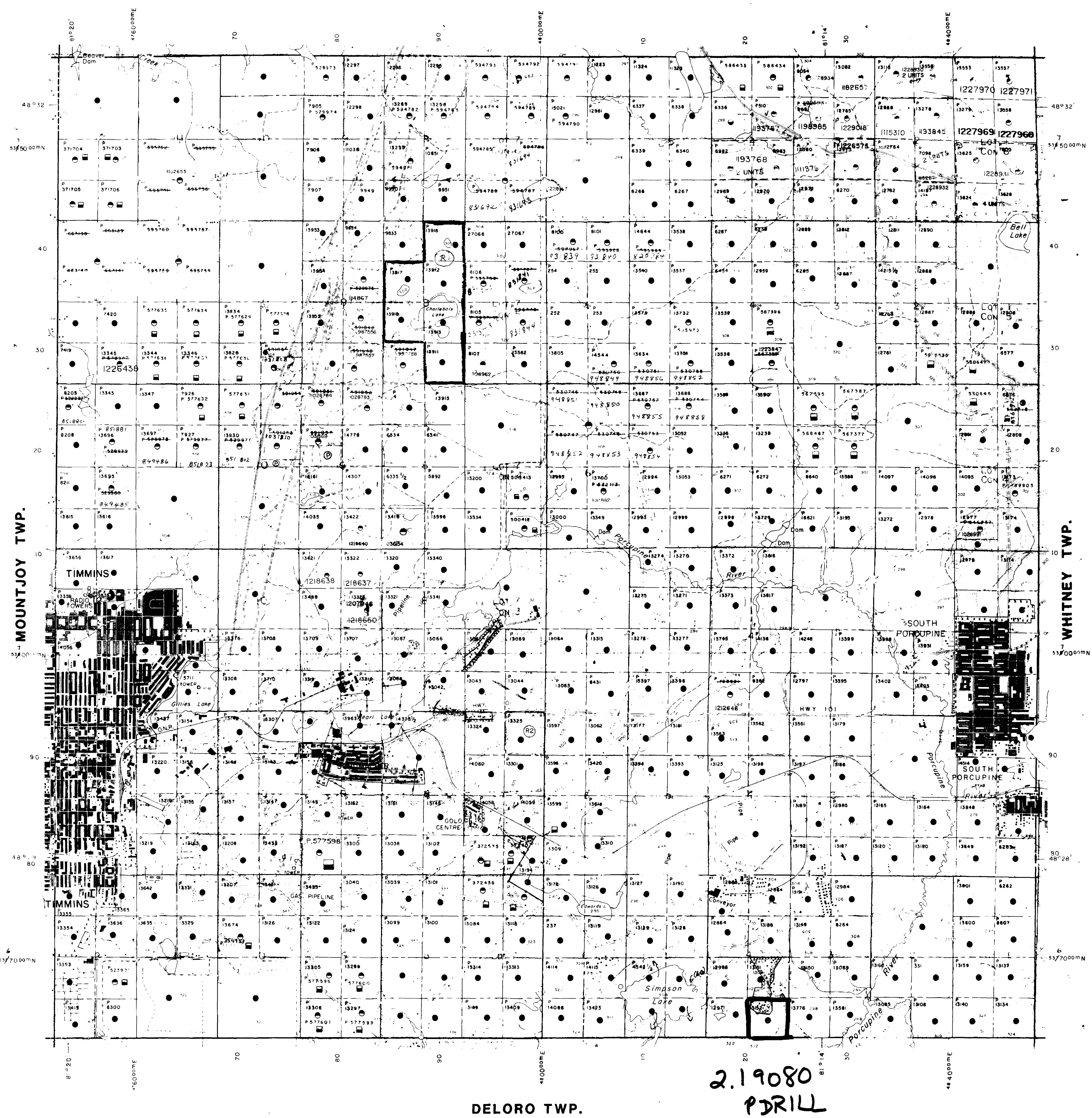
AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
(RD) - THE SURFACE AND MINING RIGHTS ARE WITHDRAWN FROM DISPOSITION BY PROSPECTING, STAKE OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT R.S.O. 1990, DATED MAY 29, 1996 AT 10:00 AM. W.P. 23/96 NER.				
(M) - MINING RIGHTS ONLY WITHDRAWN FROM DISPOSITION BY PROSPECTING, STAKE OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT R.S.O. 1990, DATED MAY 29, 1996 AT 10:00 AM. W.P. 23/96 NER.				

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING REFORMER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

MURPHY TWP.



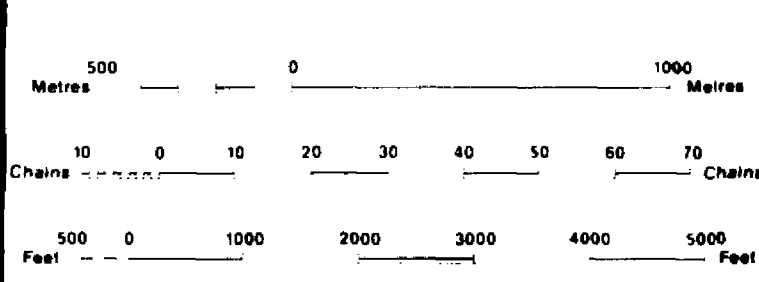
LEGEND

HIGHWAY AND ROUTE No.	
OTHER ROADS	
TRAILS	
SURVEYED LINES	
TOWNSHIPS, BASE LINES, ETC.	
LOTS, MINING CLAIMS, PARCELS, ETC.	
UN-SURVEYED LINES	
LOT LINES	
PARCEL BOUNDARY	
MINING CLAIMS, ETC.	
RAILWAY AND RIGHT-OF-WAY	
UTILITY LINES	
NON-PERENNIAL STREAM	
FLOODING OR FLOODING RIGHTS	
SUBDIVISION OR COMPOSITE PLAN	
RESERVATIONS	
ORIGINAL SHORELINE	
MARSH OR MUSKEG	
MINES	
TRAVERSE MONUMENT	

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
SURFACE RIGHTS ONLY	○
MINING RIGHTS ONLY	○
LEASE, SURFACE & MINING RIGHTS	■
SURFACE RIGHTS ONLY	■
MINING RIGHTS ONLY	■
LICENCE OF OCCUPATION	▽
ORDER-IN-COUNCIL	OC
RESERVATION	○
CANCELLED	○
SAND & GRAVEL	○

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT R.S.O. 1970, CHAP. 380, SEC. 63, SUBSECTION 1.

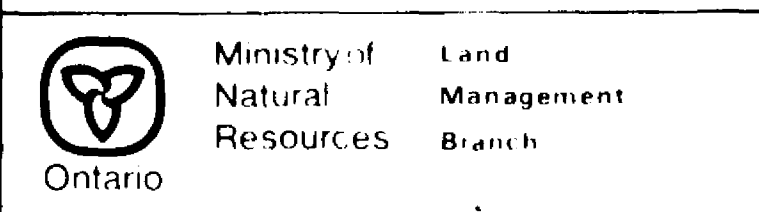


SCALE 1:20 000
GRID ZONE 17

NOTES

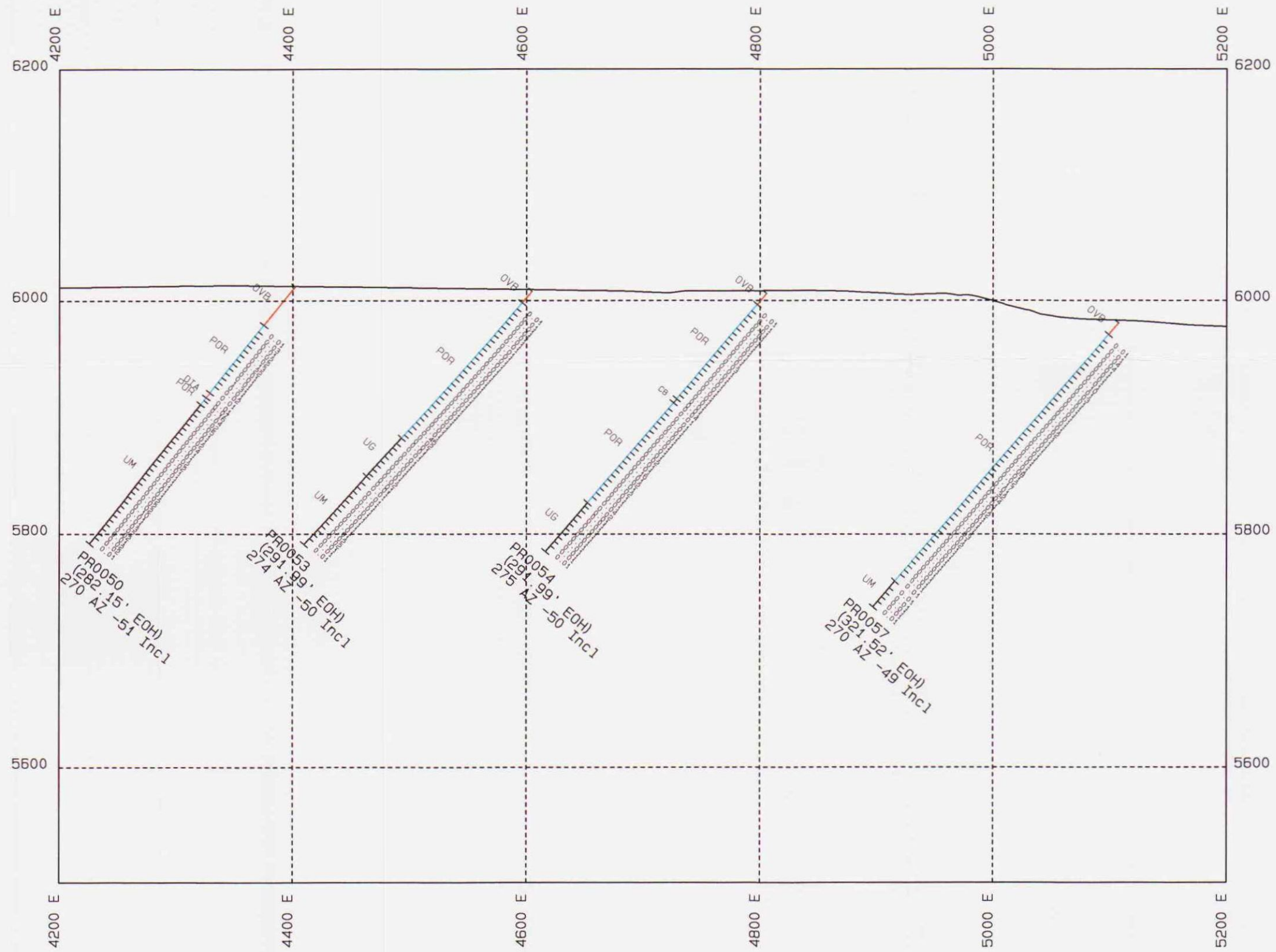
REGISTERED PLAN OF SUBDIVISION
12
THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED.
MAY 13 1990
THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING REFORMER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

TOWNSHIP
TISDALE
M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE

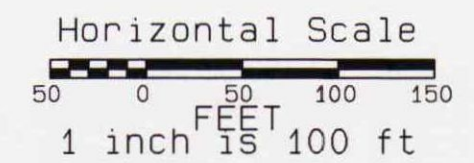


ORIGINAL COMPILATION JULY 1984
G-3976

2.19080
PDRILL



LEGEND	
Left Side Trace Annotation	_____ Lithology
Right Side Trace Annotation	_____ Assay Au (dwt/tn)
Grid lines	----- Mine Grid



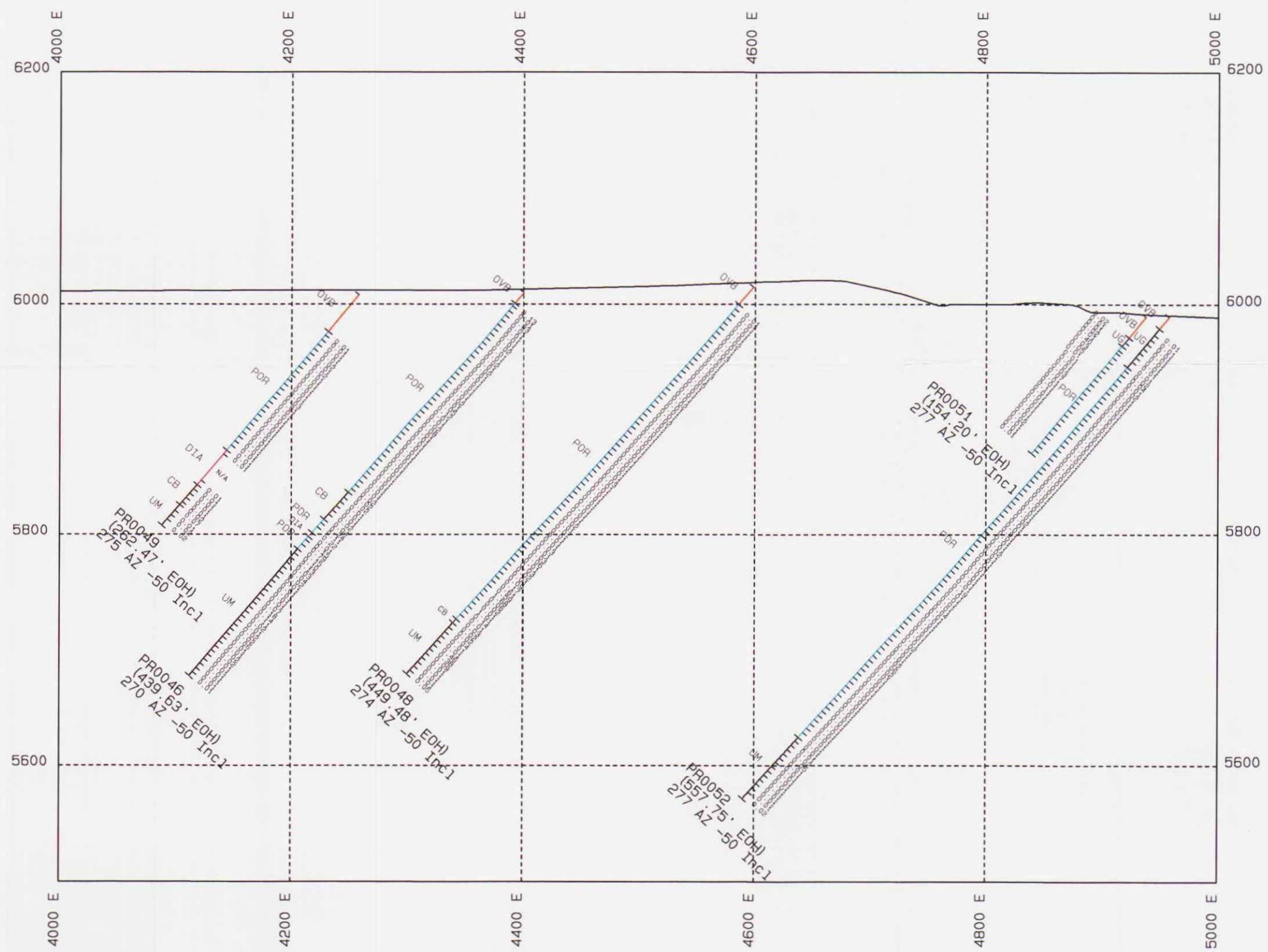
Placer Dome NA - Dome Mine

Preston Property
 Section 800 N
 Diamond Drill Holes
 Claim P13152

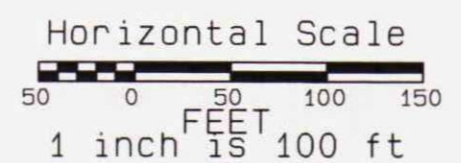
Scale: 1: 1200
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 Project: Preston
 Drawn By: PNL
 Checked:
 Approved:
 Drawing No.



42A06NE2009 2.19080 TISDALE 210



LEGEND	
Left Side Trace Annotation	_____ Lithology
Right Side Trace Annotation	_____ Assay Au (dwt/tn)
Grid lines	----- Mine Grid



Placer Dome NA - Dome Mine	
Preston Property Section 1000 N Diamond Drill Holes Claim P13152	Scale: 1: 1200
	Date: 30-Apr-99
	Project: Preston
	Drawn By: PNL
	Checked:
Approved:	
Drawing No.	



42A06NE2009 2.19080 TISDALE 220