



41P14NW0003 32 SOTHMAN

DIAMOND DRILLING

TOWNSHIP: SOTHMAN TWP.

REPORT NO: 32

WORK PERFORMED FOR: Placer Dome Inc.

RECORDED HOLDER: Same as Above [xx]  
: Other [ ]

<u>Claim No.</u>	<u>Hole No.</u>	<u>Footage</u>	<u>Date</u>	<u>Note</u>
L 892783	DDH303-1	94m	Mar/88	(1)
L 892783/ L 892786	DDH-303-2	104m	Mar/88	(1)
L 892778/ L 892775	DDH303-4	98m	Mar/88	(1)
L 892760	DDH303-4	136m	Mar/88	(1)
L 892730	DDH303-5	275m	Mar/88	(1)

Notes: (1) #W8806.236, filed in Jan/89

PLACER DOME INC.  
EXPLORATION DEPARTMENT

DDH 303-1

REF. COORD.: 12320 12840

DATE OF COPY: APRIL 27, 1988

LOCATION: 23+20N 28+40E

GRID:

PROPERTY: PROJECT 303

SOTHMAN AND NURSEY TOWNSHIP, ONT.

CLAIM POST LOCATION: 309 m N and 397 m E to POST 1, CLAIM LB92783

AZIMUTH: 165

LENGTH: 94

CLAIM NO: LB92783

DIP: -45.0

CORE SIZE: BU

SECTION: 28+40

STARTED: MARCH 5, 1988

COMPLETED: MARCH 7, 1988

LOGGED BY: T. TENNENT

SURVEYED: NO

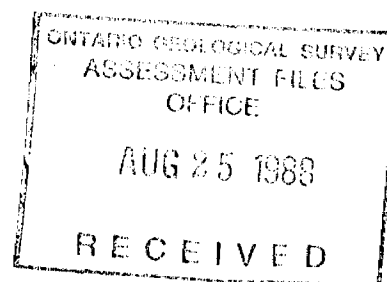
SYSTEM OF MEASURE: METRIC

DATE LOGGED: MARCH 6-7, 1988

PURPOSE: TO TEST EM ANOMOLY

DIP TESTS  
91 -1 -45.0

.00 16.00 CASING AND OVERBURDEN  
16.00 50.65 FELDSPAR PORPHYRY  
50.65 54.20 ALTERED BLEACHED KOMATIITE  
54.20 60.75 ARGILLITIC AND CARBONACEOUS SEDIMENT  
60.75 80.00 BLEACHED PERIDOTITE FLOW  
80.00 94.00 SPINIFEX TEXTURED PERIDOTITIC KOMATIITE  
94.00 94.00 END OF HOLE



Width	Aug/tt	Rerun	Reject	Average
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## Diamond Drill Hole 303-1

.00 16.00 CASING AND OVERBURDEN

16.00 50.65 FELDSPAR PORPHYRY

Non-foliated. Light pinkish-brown. 78% very fine grained felsic matrix. 20% 1mm to 5mm anhedral to euhedral plagioclase. Short intervals with up to 10% quartz phenocrysts. Throughout unit phenocrysts vary from distinct to indistinct. 1 to 2% 1mm to 3mm flakes biotite.

1% Very fine grained disseminated pyrite.

Localized weak to moderate randomly oriented hairline fractures filled with chlorite, minor quartz and calcite.

Non-magnetic.

16.00 16.60 Very broken core.

20.80 23.80 Very broken core.

22.00 25.60 And 29.90 to 32.00 1 to 5% randomly oriented chloritic, quartz and minor calcite filled fractures.

33.70 34.00 Extremely fractured core.

33.70 34.40 45.00 to 47.20, 48.70 to 49.05 1 to 5% randomly oriented chloritic, quartz and minor calcite filled fractures. Minor brecciation.

36.00 42.00 Very broken core.

40.0 Introduction of localized 10% 1-2mm quartz phenocrysts.

46.00 50.50 highly fractured.

50.65 Lower contact indistinct.

24.00 25.00	D29260 1% disseminated pyrite. 5% chlorite, quartz, minor calcite filled hairline fractures.	1.00	-	-	-	-
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33.70 34.40	D29261 brecciated. 1% disseminated pyrite. 5% chlorite, quartz, minor calcite filled hairline fractures.	0.70	-	-	-	-
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45.00 47.20	D29262 similar to 33.70 to 34.40.	1.20	-	-	-	-
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50.65 54.20 ALTERED BLEACHED KOMATIITE

Dark grey to reddish grey. Spinifex textured bleached komatiite with 5mm to 2cm long blades of olivine.

From 51.80 to 54.20 unit is locally brecciated with 2mm to 3cm subangular mafic fragments and up to 3mm rounded quartz fragments. 3 to 5% quartz-ankerite veinlets and flooding. Veinlets 2mm to 1cm wide at 75 degrees to the core axis. Trace pyrite.

Unit has 2 to 5% very fine grained to fine grained blebs of disseminated pyrite. Non-magnetic.

50.65 Upper contact indistinct.

	Width	Au(g/t)	Recon	Reject	Average
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50.65 53.00 2% pyrite.

53.00 54.20 5 to 8% pyrite.

53.30 54.20 Core strongly fractured. Limonitic.

54.20 Lower contact indistinct and broken.

50.65 52.15 D29263 2% disseminated pyrite.

1.50

-

-

-

-

52.15 53.65 D29264 2 to 5% disseminated pyrite.

1.50

-

-

-

-

53.65 54.20 D29265 8% disseminated pyrite.

0.55

-

-

-

-

## 54.20 60.75 ARGILLITIC AND CARBONACEOUS SEDIMENT

Black. Strongly graphitic and argillaceous sediment.

Faintly laminated at 40 degrees to the core axis. Weakly calcareous along fractures. Non-magnetic. Strong conductor.

From 54.20-56.00 unit is brecciated with 2mm to 3cm subangular graphitic and light coloured fragments. 5% patchy, irregular quartz, minor ankerite veining. Minor vuggy quartz.

Unit has 8% pyrite, 3% 5mm to 4cm round to lenticular pyrite nodules and 5% very fine grained disseminated pyrite.

From 58.76 to 59.70 pyritized komatiite with 30% fine grained disseminated pyrite. Non-conductive.

54.20 Upper contact indistinct and broken.

54.20 56.80 Highly to extremely broken core.

56.80 Lower contact sharp and irregular.

54.20 55.70 D29266 brecciated. 5% disseminated pyrite. 5% irregular quartz, minor ankerite veining.

1.50

-

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-

55.70 57.20 D29267 3% pyrite nodules. 5% disseminated pyrite.

1.50

-

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-

-

57.20 58.76 D29268 3% pyrite nodules. 5% disseminated pyrite.

1.56

-

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58.76 59.50 D29269 Pyritized komatiite. 30% disseminated pyrite.

0.74

-

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-

-

59.50 60.75 D29270 3% pyrite nodules. 5% disseminated pyrite.

1.25

-

-

-

-

## 60.75 80.00 BLEACHED PERIDOTITE FLOW

Dark grey brown. Very fine grained. Moderately to strongly broken. Locally brecciated. Minor graphitic patches.

1 to 10% disseminated fine grained pyrite. Minor stringers and 1cm to 3cm subrounded fragments of pyrite. Non-magnetic.

1% Irregular quartz-ankerite stringers. Short intervals of 5% quartz flooding.

60.75 Upper contact sharp and irregular.

60.75 66.75 10% disseminated pyrite.

66.75 71.25 5% disseminated pyrite.

71.25 80.00 1 to 3% disseminated pyrite.

82.05 5cm of quartz vein rubble. Barren.

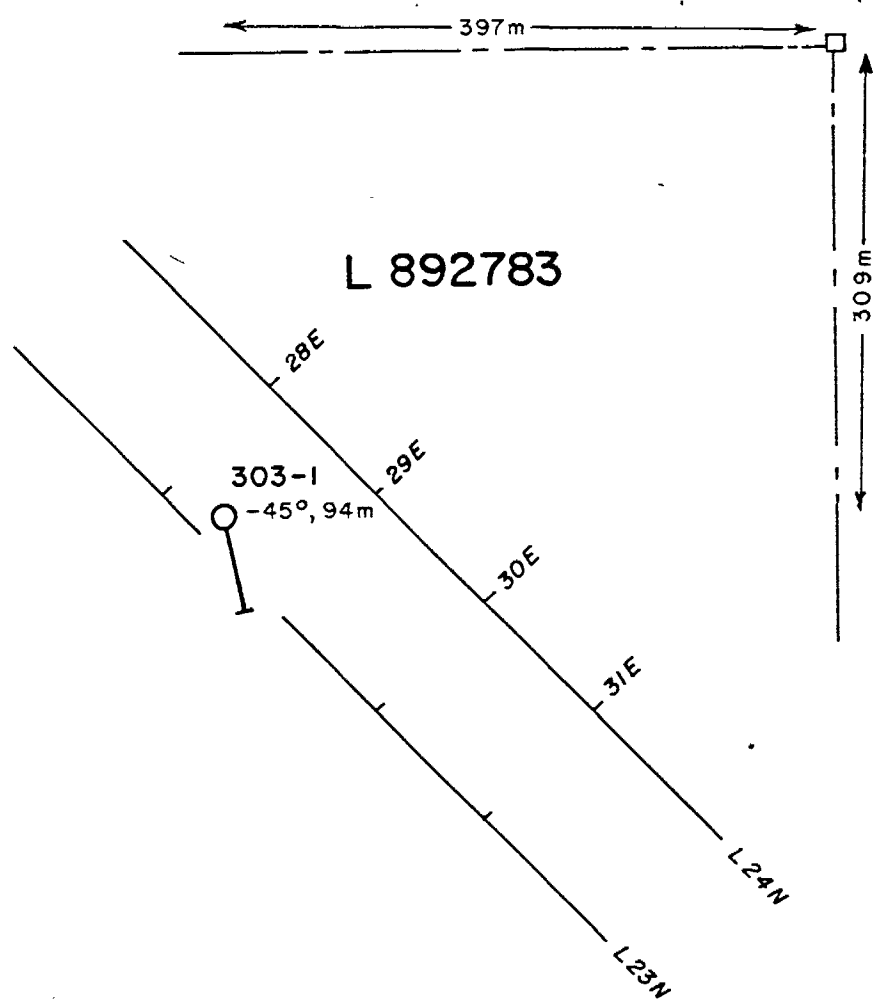
80.00 Lower contact sharp at 30 degrees to the core axis.

		Width	Au (g/t)	Kerun	Reject	Average		
60.75	62.25	D29271	10% disseminated pyrite.	1.50	-	-	-	-
62.25	63.75	D29272	10% disseminated pyrite.	1.50	-	-	-	-
63.75	65.25	D29273	10% disseminated pyrite.	1.50	-	-	-	-
65.25	66.75	D29274	10% disseminated pyrite.	1.50	-	-	-	-
66.75	68.25	D29275	7% disseminated pyrite.	1.50	-	-	-	-
68.25	69.75	D29276	5% disseminated pyrite.	1.50	-	-	-	-
69.75	71.25	D29277	5% disseminated pyrite.	1.50	-	-	-	-
71.25	72.75	D29278	3% disseminated pyrite.	1.50	-	-	-	-
72.75	74.25	D29279	1% disseminated pyrite.	1.50	-	-	-	-

80.00 94.00 SPINFEX TEXTURED PERIDOTTITE KIMBERLITE  
 Dark grey green to buff. At top of flow olivine platelets fine grained, 1mm and randomly oriented. Gradually increase in size up to 20mm at 81.5m. Here platelets are in well oriented sheafs.  
 .  
 Moderate carbonate alteration.  
 .  
 1 to 3% fine grained disseminated pyrite. Non-magnetic.  
 .  
 2% Randomly oriented quartz ankerite stringers and veinlets. trace to 1% pyrite.

94.00 94.00 END OF HOLE  
 .  
 .  
 EN ANOMOLY CAUSED BY CARBONACEOUS AND GRAPHITIC HORIZONS FROM 54 TO 60 METRES.  
 .  
 DRILLING BY BRADLEY BROS. DRILLING, TIMMINS, ONTARIO.  
 .  
 CORE STORED AT DOME MINES, SOUTH PORCUPINE, ONTARIO.  
 .  
 BAGGING FILLED.

*Sia Tennent*



L 892783

303-1  
-45°, 94m

28E

29E

30E

31E

L24N

L23N

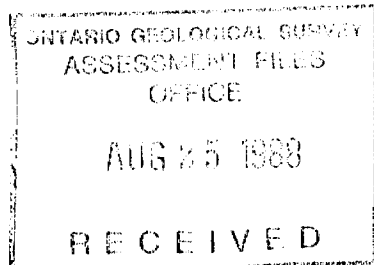
397m

309m



Placer Dome Inc.		
Proj. No. 303, SOTHMAN & NURSEY TWPS ONT.		
DDH LOCATIONS		
Scale 1:5000	Drawn F.C.	Dwg. No.
Date APR. '88	NTS Ref. 41P/14	303-12

PLACER DOME INC.  
EXPLORATION DEPARTMENT



DDH 303-2

REF. COORD.: 12630 13085

DATE OF COPY: APRIL 27, 1988

LOCATION: 26+30N 30+85E

GRID:

PROPERTY: PROJECT 303

SOTHMAN AND NURSEY TWP., ONT.

CLAIM POST LOCATION: 268m N & 50m E TO POST 1, CLAIM L892783

AZIMUTH: 165

LENGTH: 104

CLAIM NO: L892783 42m ; L892786 62m

DIP: -45.0

CORE SIZE: 80

SECTION:

STARTED: MARCH 7, 1988

COMPLETED: MARCH 9, 1988

LOGGED BY: I. TENNENT

SURVEYED: NO

SYSTEM OF MEASURE: METRIC

DATE LOGGED: MARCH 9-11, 1988

PURPOSE: TO TEST EM ANOMOLY

DIP TESTS  
104 -1 -45.0

.00 34.00 CASING AND OVERBURDEN

34.00 59.00 INTERMEDIATE - FELSIC LAPILLI-TUFF

59.00 67.36 INTERMEDIATE TO FELSIC LAPILLI TUFF BRECCIA

67.36 67.50 CARBONACEOUS SEDIMENT

67.50 73.60 GREYWACKE

73.60 80.60 CARBONACEOUS SEDIMENT

80.60 82.45 TECTONIC CHERT BRECCIA

82.45 84.79 FELDSPAR PORPHYRY

84.79 92.45 TECTONIC CHERT BRECCIA WITH MINOR INTERVALS OF CARBONACEOUS BRECCIA

92.45 93.22 FELDSPAR PORPHYRY

93.22 95.86 TECTONIC CHERT BRECCIA WITH MINOR INTERVALS OF CARBONACEOUS BRECCIA

95.86 96.80 GREYWACKE

96.80 100.20 CARBONACEOUS SEDIMENT

100.20 104.00 TECTONIC CHERT BRECCIA WITH MINOR INTERVALS OF CARBONACEOUS BRECCIA

104.00 104.00 END OF ROLE



Width	Aug(t)	Rerun	Reject	Average
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Diamond Drill Hole# 303-2

.00	34.00	CASING AND OVERBUNDEN						
34.00	59.00	INTERMEDIATE - FELSIC LAPILLI-TUFF Grey to light green. Non - foliated to weakly foliated at 55 degrees to the core axis. 25% 2 mm to 5 cm subangular to subrounded felsic to cherty lapilli. 70% fine grained quartz, feldspar, minor mafic matrix. Hard.  Weak pervasive carbonatization.  Up to 1% calcite filled hairline fractures. Up to 1% 2 mm quartz-carbonate veinlets at 40 degrees to the core axis.  3 to 5% very fine grained to fine grained disseminated pyrite. minor pyrite infilling hairline fractures. Non-magnetic.  34.00 38.20 Moderately broken core. 44.85 45.60 Extremely broken core. Bleached.  53.00 54.50 D29305 3 to 5% disseminated pyrite.	1.50	-	-	-	-	
59.00	67.36	INTERMEDIATE TO FELSIC LAPILLI TUFF BRECCIA Similar to 34.00 to 59.00. Polymodal. 15% 4 cm to 20 cm angular cherty pyroclasts supported by 60% 1 mm to 5 mm angular cherty lapilli in a 20% very fine grained mafic matrix.  3 to 5% very fine grained to fine grained pyrite. Disseminated and infilling randomly oriented hairline fractures.						
	60.00	61.50 D29306 3 to 5% pyrite. Disseminated and infilling hairline fractures.	1.50	-	-	-	-	
67.36	67.50	CARBONACEOUS SEDIMENT Graphitic sediment with 5% pyrite and minor quartz-carbonate veining.  67.36 upper contact sharp at 80 degrees to the core axis. 67.50 lower contact sharp at 60 degrees to the core axis.						
67.50	73.60	GREYWACKE Non - foliated. Medium grey and white. 40% 0.5 to 1 mm quartz, plagioclase, biotite grains. 55% very fine grained mafic matrix.  From 49.30 to 53.40 unit is extremely blocky and bleached						

			Width	Av (g/t)	Rerun	Reject	Average
		1% Quartz veinlets. Barren.					
		Weak pervasive carbonatization.					
		2 to 5% disseminated pyrite. Non-magnetic.					
		67.50 69.00 D29280 3% disseminated pyrite.	1.50	-	-	-	-
		69.00 72.00 D29281 2% disseminated pyrite.	3.00	-	-	-	-
		72.00 73.50 D29282 2 to 5% disseminated pyrite.	1.60	-	-	-	-
73.60	80.60	CARBONACEOUS SEDIMENT					
		Highly graphitic and argillaceous sediment. Strong conductor. Non-magnetic. Extremely broken. From 74.00 to 77.00 there is 2.5 metres of lost and ground core. From 77.00 to 80.00 there is 0.6 metres of lost and ground core.					
		73.60 77.00 5% blebs pyrite.					
		77.00 77.60 85% massive pyrite.					
		77.60 80.60 Here unit has been brecciated. 5% angular and cherty lapilli to breccia sized pyroclasts. 30% pyrite. Pyrite has replaced most of the brecciated fragments. Matrix is argillaceous.					
		73.60 77.00 D29283 5% disseminated pyrite. Ground core.	3.40	-	-	-	-
		77.00 79.00 D29284 40 to 85% pyrite. Ground core.	2.00	-	-	-	-
		79.00 80.60 D29285 40% pyrite replacing brecciated fragments.	1.60	-	-	-	-
80.60	82.45	TECTONIC (CHERT) BRECCIA					
		Medium grey. Moderately sheared at 50 degrees to the core axis. Composed of 50% 1 mm to 5 cm angular cherty clasts in a dark chloritic and weakly calcareous matrix.					
		10% fine grained blebs and disseminated pyrite. Non-magnetic.					
		80.60 upper contact sharp. Broken.					
		82.45 lower contact sharp at 27 degrees to the core axis.					
		80.60 81.60 D29286 10% blebs and disseminated pyrite.	1.00	-	-	-	-
		81.60 82.45 D29287 10% blebs and disseminated pyrite.	0.85	-	-	-	-
82.45	84.74	FELDSPAR PORPHYRY					
		Beige-grey, non to weakly foliated at 45 degrees to the core axis. 10% 1 to 3 mm euhedral to anhedral plagioclase phenocrysts.					
		3% Very fine grained disseminated pyrite.					
		5% 1 mm to 1 cm quartz-carbonate veinlets at 45 to 70 degrees to the core axis. Barren.					
		82.45 83.45 D29288 3% disseminated pyrite.	1.00	-	-	-	-
		83.45 84.74 D29289 3% disseminated pyrite. 5%	1.34	-	-	-	-

Width	Au (g/t)	Recon	Reject	Average
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quartz-carbonate veinlets. Barren.

84.79 92.45 TECTONIC CHERT BRECCIA WITH MINOR INTERVALS OF CARBONACEOUS BRECCIA

Grey-brown to black. Non-magnetic. Foliated at 40 degrees to the core axis. 75% 1 mm to 28 cm chloritic to cherty and sericitic angular clasts in a 70% siliceous and calcareous fine grained matrix. Clasts are strongly altered and bleached. Matrix appears to have been introduced causing brecciation of existing rock.

Several 5 cm to 40 cm intervals of brecciated quartz - calcite, sericitic and chloritic clasts in a very fine grained graphitic and argillaceous black matrix. Pyrite replaces some of the fragments.

up to 5% irregular quartz - calcite veining. Veins range from 1 mm to 10 cm at various angles to the core axis. Barren.

3 to 5% disseminated fine grained pyrite and minor stringers of pyrite infilling along fractures and within matrix.

84.79 Upper contact sharp at 60 degrees to the core axis.  
88.80 20 cm quartz - calcite vein. Barren. trace tourmaline.  
90.50 10 cm quartz - calcite vein. Barren.  
92.00 Lower contact sharp at 45 degrees to the core axis.

84.79 86.30 D29290	5% disseminated pyrite.	1.51	-	-	-
86.30 87.80 D29291	5% disseminated pyrite.	1.50	-	-	-
87.80 89.30 D29292	5% disseminated pyrite. 20 cm quartz - calcite vein. Barren.	1.50	-	-	-
89.30 90.80 D29293	5% disseminated pyrite. 10 cm quartz - calcite vein. Barren.	1.50	-	-	-
90.80 92.45 D29294	3% disseminated pyrite.	1.65	-	-	-

92.45 93.22 FELDSPAR PORPHYRY

Similar to 82.45 to 84.79. 3% disseminated fine grained pyrite.  
92.45 Upper contact sharp at 45 degrees to the core axis.  
93.22 lower contact sharp at 50 degrees to the core axis.

92.45 93.22 D29295	3% disseminated pyrite.	0.77	-	-	-
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93.22 95.86 TECTONIC CHERT BRECCIA WITH MINOR INTERVALS OF CARBONACEOUS BRECCIA

Similar to 84.79 to 92.45. 5% disseminated blebs and stringers pyrite.

93.22 94.72 D29296	5% disseminated and stringers pyrite.	1.50	-	-	-
94.72 95.86 D29297	5% disseminated and stringers pyrite.	1.14	-	-	-

95.86 96.80 BRECCIA

Similar to 87.50 to 93.60. Non-foliated. Minor banding at 50 degrees to the core axis.

	Width	Au (g/t)	Rerun	Reject	Average
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Very weak carbonatization. 3% disseminated blebs pyrite.  
Non - magnetic.

95.86 upper contact irregular and sharp.

96.80 lower contact sharp at 55 degrees to the core axis.

95.86 96.80 D29298	3% disseminated blebs pyrite.	0.94	-	-	-	-
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96.80 100.20 CARBONACEOUS SEDIMENT

Dark grey to black argillaceous and graphitic sediment.  
Highly fractured. finely laminated with 1 mm to 5 cm  
laminae at 50 degrees to the core axis. minor calcareous  
and siliceous laminae. Strong conductor.

5% Pyrite. In disseminated blebs, stringers and 1 mm to 2  
cm concretions.

94.98 Upper contact sharp at 55 degrees to the core axis.  
100.20 lower contact gradual. 15 cm of 20% concretions of  
pyrite and quartz - calcite veining.

96.80 98.30 D29297	5% pyrite. Disseminated blebs and stringers.	1.50	-	-	-	-
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98.30 99.80 D29300	5% pyrite. Disseminated blebs and stringers.	1.50	-	-	-	-
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99.80 100.20 D29301	5% pyrite. Disseminated blebs and stringers.	0.40	-	-	-	-
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100.20 104.00 TECTONIC CHERT BRECCIA WITH MINOR INTERVALS OF CARBONACEOUS BRECCIA

Similar to 84.79 to 92.45 but weaker alteration and trace  
quartz - calcite veining. 50% medium grey calcareous and  
sericitic brecciated clasts in a 4% black, aphanitic,  
graphitic and siliceous matrix.

Unit strongly calcareous.

Up to 1% quartz - calcite veining.

3% Pyrite. Disseminated, infilling some of the fractures  
and as stringers within the matrix.

101.35 5 cm quartz - calcite vein with 2% disseminated  
pyrite. At 35 degrees to the core axis.

100.20 101.70 D29302	3% pyrite disseminated, stringers and fracture-filling.	1.50	-	-	-	-
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101.70 103.20 D29303	3% pyrite disseminated, stringers and fracture-filling.	1.50	-	-	-	-
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103.20 104.00 D29304	3% pyrite disseminated, stringers and fracture-filling.	0.80	-	-	-	-
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104.00 104.00 END OF HOLE

Width Au(g/t) Rerun Reject Average

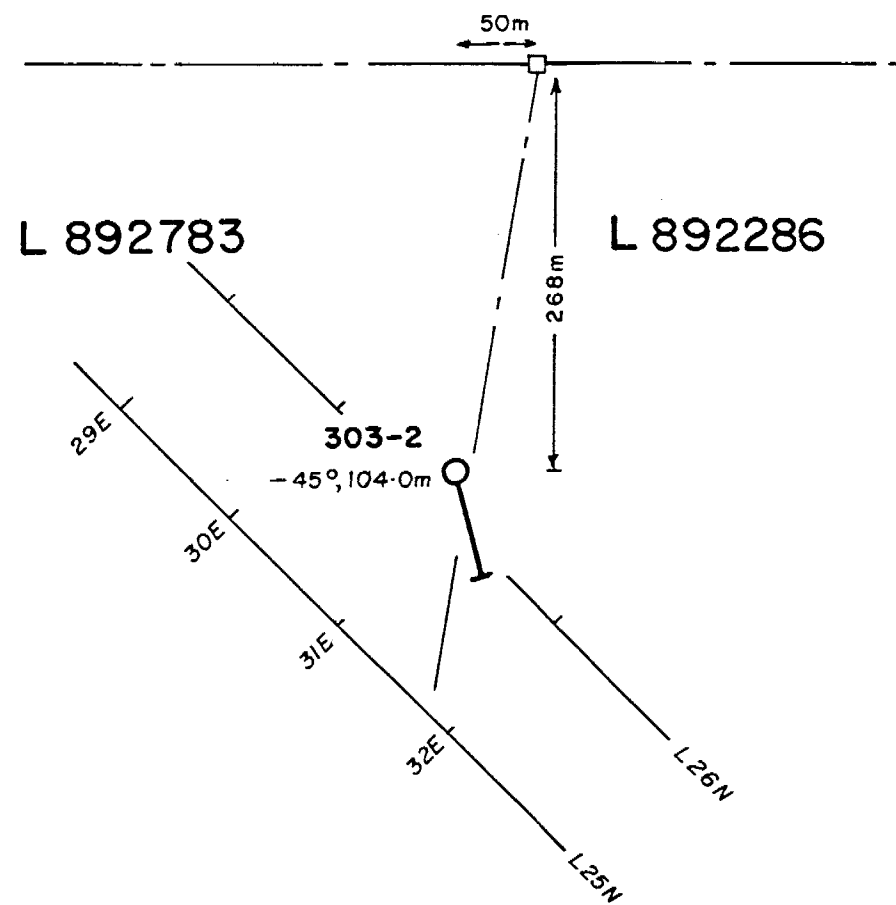
ELECTROMAGNETIC ANOMALY CAUSED BY CARBONATEOUS HORIZONS AT  
67.35 TO 67.50 METRES, 75.60 TO 80.60 METRES.

DRILLING BY BRADLEY BROS. DRILLING, TINKINS, ONTARIO.

LORE STORED AT DORE MINES, SOUTH PORCUPINE, ONTARIO.

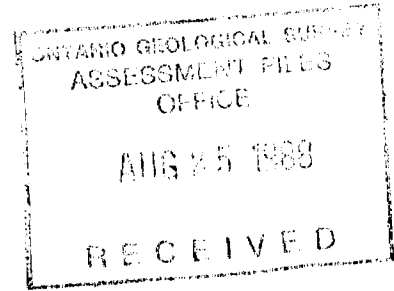
CASING PULLED.

*Gia Tennent*



Placer Dome Inc.		
Proj. No. 303, SOTHMAN & NURSEY TWPS. ONT.		
DDH LOCATIONS		
Scale 1:5000	Drawn F.C.	Dwg. No.
Date APR. '88	NTS Ref. 41P/14	303-13

PLACER DOME INC.  
EXPLORATION DEPARTMENT



DDH 303-3

REF. CDDRD.: 12000 13910

DATE OF COPY: APRIL 27, 1988

LOCATION: 20+00N 39+10E BRID:

PROPERTY: PROJECT 303  
SOTHMAN AND NURSEY TWP. DWT.

CLAIM POST LOCATION: 237m E & 18m S to POST 2, CLAIM LB92778

AZIMUTH: 135 LENGTH: 98

CLAIM NO: LB92778 42m ; LB92775 56m

DIP: -45.0 CORE SIZE: B0

SECTION:

STARTED: MARCH 9, 1988 COMPLETED: MARCH 11, 1988

LOGGED BY: T. TENNENT

SURVEYED: NO SYSTEM OF MEASURE: METRIC

DATE LOGGED: MARCH 10-12, 1988

PURPOSE: TO TEST EM ANOMDLY

DIP TESTS  
98 -1 -46.0

.00 34.00 CASING AND OVERBURDEN  
34.00 98.00 SERPENTINIZED PERIDOTITE  
98.00 98.00 END OF HOLE

Width	Aug/t)	Rerun	Reject	Average
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Diamond Drill Hole# 303-3

.00 34.00 CASING AND OVERBURDEN

34.00 98.00 SERPENTINIZED PERIDOTITE

Medium green to emerald green. Fine grained to medium grained. Very weakly foliated at 65 degrees to the core axis. Strongly altered. Composed of 1 mm to 0.5 mm rounded serpentized olivine crystals. Soft.

15 to 20% fine grained to very fine grained magnetite. In 1 to 2 mm stringers at all angles to core axis with the majority at 25 to 50 degrees to the core axis. Also as interstitial matrix to the olivine crystals. Strongly magnetic.

Trace very fine grained disseminated pyrite.

Unit weakly to moderate blocky.

59.00 60.50 B29307 trace disseminated pyrite.

1.50

98.00 98.00 END OF HOLE

EM ANOMALY NOT ENCOUNTERED.

DRILLING BY BRADLEY BROS. DRILLING, TIMMINS, ONTARIO.

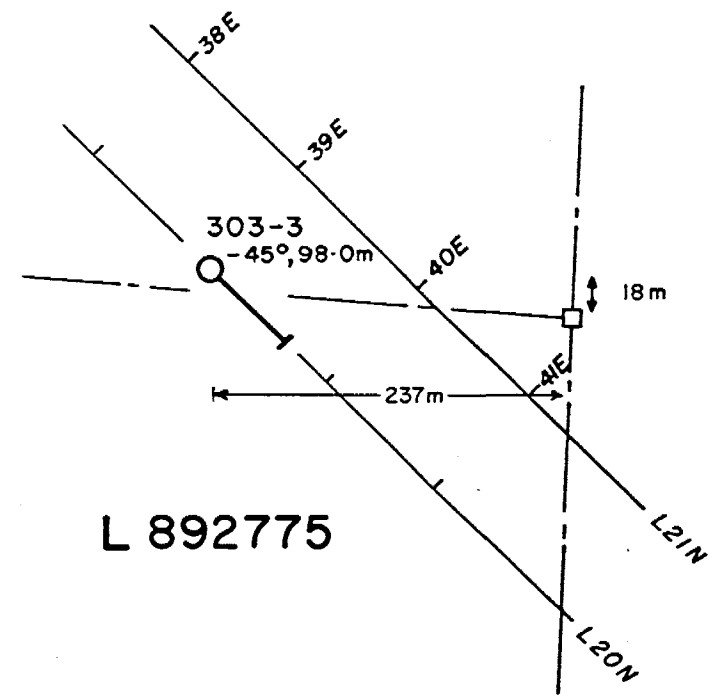
CORE STORED AT DOME MINES, SOUTH PORCUPINE, ONTARIO.

CASING PULLED.

*Sia Tennent*



892778



L 892775



Placer Dome Inc.		
Proj. No. 303, SOTHMAN & NURSEY TWPS. ONT.		
DDH LOCATIONS		
Scale 1:5000	Drawn F.C.	Dwg. No.
Date APR. '88	NTS Ref. 41P/14	303-14

PLACER DOME INC.  
EXPLORATION DEPARTMENT

ONTARIO GEOLOGICAL SURVEY  
ASSESSMENT FILES  
OFFICE

APR 25 1988

RECEIVED

DDH 303-4

REF. COORD.: 10400 12265

DATE OF COPY: APRIL 27, 1988

LOCATION: 4+00N 22+65E

GRID:

PROPERTY: PROJECT 303

SOTHMAN AND NURSEY TOWNSHIP, ONT.

CLAIM POST LOCATION: 282m N & 155m W TO POST 4, CLAIM L892760

AZIMUTH: 135

LENGTH: 136

CLAIM NO: L892760

DIP: -45.0

CORE SIZE: 80

SECTION:

STARTED: MARCH 11, 1988

COMPLETED: MARCH 13, 1988

LOGGED BY: J. TENNENT

SURVEYED: NO

SYSTEM OF MEASURE: METRIC

DATE LOGGED: MARCH 13-17, 1988

PURPOSE: TO TEST EM ANOMALY

DIP TESTS  
136 -1 -40.5

.00 39.00 CASING AND OVERBURDEN  
39.00 77.11 GABBRO  
77.11 91.18 ALTERED AND LOCALLY BRECCIATED PILLOWED MAFIC FLOW  
91.18 91.98 MASSIVE PYRITE  
91.98 101.00 ALTERED MAFIC PILLOWED FLOW  
101.00 102.20 MASSIVE PYRITE  
102.20 105.50 SULPHIDIZED AND BRECCIATED MAFIC FLOWS  
105.50 114.20 SILICIFIED FELDSPAR PORPHYRY  
114.20 124.10 SILICIFIED CARBONATIZED FELDSPAR PORPHYRY BRECCIA  
124.10 136.00 SILICIFIED FELDSPAR PORPHYRY  
136.00 136.00 END OF HOLE

Width	Au (g/t)	Recon	Reject	Average
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## Diamond Drill Hole# 303-4

.00	39.00	CASING AND OVERBURDEN					
39.00	77.11	GABBRO					
		Dark grey. Fine grained. Massive. Non - foliated. Non - magnetic to strongly magnetic. 10% 1 mm anhedral, off white crystals of feldspar. 15% 1 mm to 2 mm randomly oriented biotite laths. 75% very fine grained medium grey biotitic matrix.					
		Weakly fractured at various angles to the core axis. Fractures infilled with black, aphanitic biotite and minor calcite.					
		Up to 1% disseminated fine grained to very fine grained pyrite.					
		From 68.00 to 77.11, unit gradually becomes a mottled white, brown and grey colour due to carbonate alteration. Development of minor chloritic stringers.					
	39.00	47.00	Moderate to very broken core.				
	39.00	51.00	Strongly magnetic.				
	51.00	59.00	Weakly to moderately magnetic.				
	55.00	61.00	Moderately broken core.				
	59.00	77.11	Non - magnetic. Trace disseminated pyrite.				
	76.20	77.11	Unit becomes locally brecciated with 2 to 3 cm sericitic angular fragments.				
	77.11		Lower contact irregular, brecciated and sharp.				
	72.00	73.50	D29308 trace disseminated pyrite.	1.50	-	-	-
77.11	91.18	ALTERED AND LOCALLY BRECCIATED FILLWED MAFIC FLOW					
		Medium to light green grey. Unit is weakly chloritic, carbonatized, locally silicified and sericitic. Minor development of 5 mm variolites.					
		Local 1 cm to >5 cm angular to subangular light green siliceous and minor sericitic brecciated fragments. Minor intervals of very fine breccia.					
		unit has <1% to 3% pyrite, pyrrhotite.					
	77.11	79.30	3% stringers and hairline fractures filled with dark grey quartz, white quartz, minor calcite, chlorite and/or sericite. One set of fractures at 50 degrees to the core axis. Fractures also randomly oriented.				
	79.30	79.70	Unit brecciated with 20% 1 cm to 5 cm angular silicified fragments in an aphanitic, medium green matrix. Matrix and fragments have 3% disseminated pyrite and pyrrhotite. 5 to 7%				

			Width	Au (g/t)	Rerun	Reject	Average
		quartz stringers and fractures containing 5% pyrite and pyrrhotite cross-cut the breccia. Moderately calcareous.					
81.00	82.50	15% dark grey quartz, minor calcite veining and flooding. 5 to 10% very fine grained pyrite. Moderately calcareous. Some veining at 27 degrees to the core axis.					
82.50	90.30	Unit is weakly calcareous. Up to 1% very fine grained disseminated pyrrhotite, pyrite. Weak to moderate hairline fractures. 3% quartz stringers with 1% pyrrhotite at 50 to 70 degrees to the core axis.					
90.30	91.18	3% pyrrhotite.					
77.11	78.61	D29309 1% disseminated pyrite, pyrrhotite. 3% stringers and hairline fracture filled with quartz and 5% pyrrhotite, pyrite.	1.50	-	-	-	-
78.61	80.11	D29310 unit brecciated. 1 to 3% disseminated pyrite, pyrrhotite. 5 to 7% quartz stringers and hairline fracture filled with quartz and 5% pyrrhotite, pyrite.	1.50	-	-	-	-
80.11	81.00	D29311 1% disseminated pyrite, pyrrhotite.	0.89	-	-	-	-
81.00	82.50	D29312 1 to 3% pyrite, pyrrhotite. 15% quartz, minor calcite veining and flooding with 5 to 10% disseminated pyrite.	1.50	-	-	-	-
82.50	84.00	D29313 up to 1% disseminated pyrite, pyrrhotite. 3% quartz stringers with 1% pyrrhotite.	1.50	-	-	-	-
84.00	85.50	D29314 up to 1% disseminated pyrite, pyrrhotite. 3% quartz stringers with 1% pyrrhotite.	1.50	-	-	-	-
85.50	87.00	D29315 up to 1% disseminated pyrite, pyrrhotite. 3% quartz stringers with 1% pyrrhotite.	1.50	-	-	-	-
87.00	88.50	D29316 up to 1% disseminated pyrite, pyrrhotite. 3% quartz stringers with 1% pyrrhotite.	1.50	-	-	-	-
88.50	90.00	D29317 up to 1% disseminated pyrite, pyrrhotite. 3% quartz stringers with 1% pyrrhotite.	1.50	-	-	-	-
90.00	91.18	D29318 3% pyrrhotite.	1.18	-	-	-	-
91.18	91.98	MASSIVE PYRITE 93% pyrite, 2% pyrrhotite. Very fine grained. 5% quartz - calcite stringers. Weakly magnetic. Strong conductor.					
		91.00 Upper contact sharp at 55 degrees to the core axis.					
		91.00 91.15 50% quartz, 50% pyrite.					
		91.98 Lower contact sharp at 50 degrees to the core axis.					
		91.18 91.98 D29319 93% pyrite, 2% pyrrhotite. 5% quartz - calcite stringers.	0.80	-	-	-	-
91.98	101.00	ALTERED MAFIC FILLING FLOW					

	Width	Au (g/t)	Rerun	Reject	Average
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Light green. Very fine grained. Locally silicified, weakly chloritic.

2% 1 mm to 5 mm randomly oriented network of quartz, chlorite, minor calcite stringers and fractures. Barren to trace pyrite.

91.98	93.00	D29320 up to 1% disseminated pyrite. 2% network of quartz, chlorite, minor calcite filled stringers and fractures with <1% pyrite.	1.02	-	-	-	-
93.00	94.50	D29321 up to 1% disseminated pyrite. 2% network of quartz, chlorite, minor calcite filled stringers and fractures with <1% pyrite.	1.50	-	-	-	-
94.50	96.00	D29322 up to 1% disseminated pyrite. 2% network of quartz, chlorite, minor calcite filled stringers and fractures with <1% pyrite.	1.50	-	-	-	-
96.00	97.50	D29323 up to 1% disseminated pyrite. 2% network of quartz, chlorite, minor calcite filled stringers and fractures with <1% pyrite.	1.50	-	-	-	-
97.50	99.00	D29324 1 to 5% disseminated pyrite. 2% network of quartz, chlorite, minor calcite filled stringers and fractures with <1% pyrite.	1.50	-	-	-	-
99.00	100.50	D29325 1% disseminated pyrite. 2% network of quartz, chlorite, minor calcite filled stringers and fractures with <1% pyrite.	1.50	-	-	-	-
100.50	101.00	D29326 1 to 2% disseminated and stringer pyrite. 2% network of quartz, chlorite, minor calcite filled stringers and fractures with <1% pyrite.	0.50	-	-	-	-

101.00 102.20 MASSIVE PYRITE

70% Very fine grained massive pyrite. 25% irregular dark grey quartz veining. 5% calcite.

101.00 Upper contact sharp at 45 degrees to the core axis.

102.20 Lower contact gradational. Unit grades into sulphidized and brecciated mafic flow.

101.00	102.20	D29327 70% massive pyrite. 25% irregular dark grey quartz veining. 5% calcite.	1.20	-	-	-	-
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102.20 105.50 SULPHIDIZED AND BRECCIATED MAFIC FLOWS

10 to 30% blebs, stringers, patches of pyrite, pyrrhotite. 40% silicified angular 1 cm to >20 cm light green grey brecciated volcanic clasts. 20% dark grey aphanitic, siliceous matrix.

3% Randomly oriented quartz calcite stringers.

102.20 Upper contact gradational.

105.50 lower contact sharp.

102.20	103.70	D29328 30% blebs, stringers, patches of pyrite, pyrrhotite. 3% quartz - calcite stringers.	1.50	-	-	-	-
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			Width	Au(g/t)	Rerun	Reject	Average
		disseminated sphalerite.					
121.50	123.00	D29342 10% pyrrhotite, pyrite. 2% disseminated sphalerite.	1.50	-	-	-	-
123.00	124.10	D29343 10% pyrrhotite, pyrite. 10 cm of quartz-carbonate veining.	1.10	-	-	-	-
124.10	136.00	<b>SILICIFIED FELDSPAR PORPHYRY</b>					
		Similar to 105.50 to 114.20 metres. Light grey. 1 to 10% 1 mm to 2 mm anhedral to subhedral feldspar phenocrysts. Intermediate to felsic matrix is aphanitic and silicified.					
		1 to 3% black siliceous randomly oriented network of hairline fractures.					
		1% 1 mm to 1 cm quartz - calcite veinlets at 35 to 65 degrees to the core axis.					
		<1% to 5% blebs and stringers pyrite. Up to 2% blebs pyrrhotite. Minor fracture-filling or stringer sphalerite. Trace fracture-filling crystals of arsenopyrite.					
124.10	125.50	D29344 1% blebs pyrite. 1 to 3% network of siliceous fractures. 1% quartz - calcite veinlets.	1.40	-	-	-	-
125.50	127.00	D29345 5% blebs and stringers pyrite. 1 to 3% network of siliceous fractures. 1% quartz - calcite veinlets.	1.50	-	-	-	-
127.00	128.50	D29346 2% blebs pyrite. 1 to 3% network of siliceous fractures. 1% quartz - calcite veinlets.	1.50	-	-	-	-
128.50	130.00	D29347 5% blebs pyrite. 2% fracture-filling and stringers sphalerite. 2% pyrrhotite. Trace arsenopyrite. 1 to 3% network of siliceous fractures. 1% quartz - calcite veinlets.	1.50	-	-	-	-
130.00	131.50	D29348 2% blebs pyrite. 1% blebs pyrrhotite. 1 to 3% network of siliceous fractures. 1% quartz - calcite veinlets.	1.50	-	-	-	-
131.50	133.00	D29349 <1% pyrite. 1 to 3% network of siliceous fractures. 1% quartz - calcite veinlets.	1.50	-	-	-	-
133.00	134.50	D29350 2% pyrrhotite, pyrite. 1 to 3% network of siliceous fractures. 1% quartz - calcite veinlets.	1.50	-	-	-	-
134.50	136.00	D29351 2% pyrrhotite, pyrite. 1 to 3% network of siliceous fractures. 1% quartz - calcite veinlets.	1.50	-	-	-	-
136.00	136.00	END OF HOLE					
		EM ANOMOLY CAUSED BY MASSIVE PYRITE AT 91.18 TO 91.98 METRES AND 101.00 TO 102.20 METRES.					

Width	Au (g/t)	Rerun	Reject	Average
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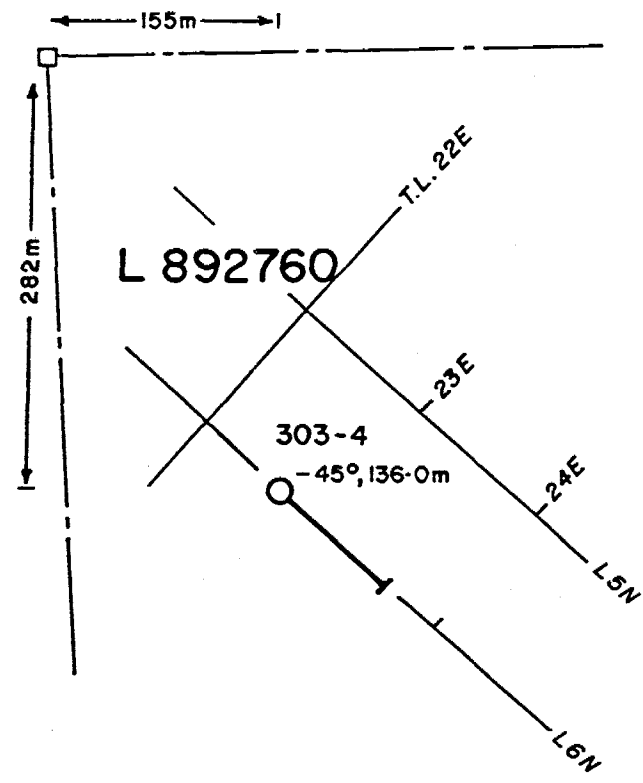
DRILLING BY BRADLEY BROS. DRILLING, TIMMINS, ONTARIO.

CORE STORED AT DOME MINES, SOUTH FORTYFIVE, ONTARIO.

CASING PULLED.

*Tia Tennent*





Placer Dome Inc.		
Proj. No. 303, SOTHMAN & NURSEY TWPS ONT.		
DDH LOCATIONS		
Scale 1:5000	Drawn F.C.	Dwg. No.
Date APR. '88	NTS Ref. 41P/14	303-15

PLACER DOME INC.  
EXPLORATION DEPARTMENT

ONTARIO GEOLOGICAL SURVEY  
ASSESSMENT FILES  
OFFICE

AUG 25 1988

RECEIVED

DDH 303-5

REF. COORD.: 10400 10100

DATE OF COPY: APRIL 27, 1988

LOCATION: 4+00N 1+00E

GRID:

PROPERTY: PROJECT 303

SOUTHMAN AND NURSEY TOWNSHIP, ONT.

CLAIM POST LOCATION: 120m S & 194 m E to POST 2, CLAIM L892730

AZIMUTH: 135

LENGTH: 275

CLAIM NO: L892730

DIP: -52.0

CORE SIZE: BQ

SECTION:

STARTED: MARCH 13, 1988

COMPLETED: MARCH 21, 1988

LOGGED BY: T. TENNENT

SURVEYED: NO

SYSTEM OF MEASURE: METRIC

DATE LOGGED: MARCH 19-22, 1988

PURPOSE: TO TEST EM ANOMOLY AND CROSS-SECTION

DIP TESTS  
200 -1 -50.5  
275 -1 -48.0

.00 31.00 CASING AND OVERBURDEN  
31.00 32.00 CARBONACEOUS SEDIMENT  
32.00 57.00 MAFIC TO ULTRAMAFIC FLOW  
57.00 66.80 CARBONACEOUS SEDIMENT  
66.80 127.10 MAFIC TO ULTRAMAFIC FLOW  
127.10 128.00 CARBONACEOUS SEDIMENT  
128.00 140.00 TALCOSE ULTRAMAFIC  
140.00 156.16 MAFIC TO ULTRAMAFIC FLOW  
156.16 193.40 TALCOSE ULTRAMAFIC  
193.40 212.20 SPINIFEX TEXTURED PERIDOTITIC KOMATIITE  
212.20 225.45 MAFIC TO ULTRAMAFIC FLOW  
225.45 268.22 SPINIFEX TEXTURED PERIDOTITIC KOMATIITE  
268.22 275.00 CARBONACEOUS SEDIMENT

275.00 275.00 END OF HOLE

			Width	Au(g/t)	Regrun	Reject	Average	
Diamond Drill Hole# 303-5								
.00	31.00	CASING AND OVERBURDEN						
31.00	32.00	CARBONACEOUS SEDIMENT Graphitic and argillaceous sediment. Black, aphanitic. Well foliated at 20 degrees to the core axis. Strong conductor. . 2% Quartz filled hairline fractures. . 5% fine grained to medium grained anhedral to euhedral disseminated pyrite. . 32.00 lower contact sharp at 30 degrees to the core axis. . 31.00 32.00 D29352 5% disseminated pyrite, 2% quartz filled hairline fractures.	1.00	-	-	-	-	
32.00	57.00	MAFIC TO ULTRAMAFIC FLOW Medium green. Very fine grained. Moderate sheared at 40 degrees to the core axis. Strongly chloritic. Very weak to moderately pervasive carbonatization. . 5 to 7% 1 mm to 1 cm sheared quartz-carbonate stringers at 30 to 40 degrees to the core axis. Most barren. Some veinlets have up to 5% pyrite where pyrite content in the unit increases to 10%. . Unit has 1 to 10% pyrite in disseminations, stringers and blebs. Minor hematite. . 32.00 38.00 3% pyrite. Very fine grained disseminated, in stringers, and in medium grained to coarse grained blebs. 38.00 44.00 1% very fine grained disseminated pyrite. 44.00 46.30 2% pyrite. Very fine grained disseminated and medium grained to coarse grained blebs. 46.30 53.00 3 to 10% pyrite in stringers and disseminations. 48.80 50.00 Minor hematite in quartz veinlets. 53.00 54.50 1% pyrite. 53.00 57.00 Unit moderately carbonatized. Medium grey colour. 54.50 57.00 1 to 5% pyrite. 56.00 57.00 Brecciated. . 57.00 Lower contact gradual.						
32.00	33.50	D29253 3% disseminated, stringers, blebs pyrite. 5% quartz-carbonate veinlets.	1.50	-	-	-	-	
33.50	35.00	D29254 3% disseminated, stringers, blebs pyrite. 5% quartz-carbonate veinlets.	1.50	-	-	-	-	
44.00	45.40	D29255 2% disseminated and blebs pyrite. 10% quartz-carbonate veinlets.	1.40	-	-	-	-	

			Width	Au(g/t)	Rerun	Reject	Average
45.40	47.00	D29256	3 to 10% stringers and disseminated pyrite. 10% quartz-carbonate veinlets.	1.60	-	-	-
47.00	48.50	D29257	3 to 10% stringers and disseminated pyrite. 7% quartz-carbonate veinlets.	1.50	-	-	-
48.50	50.00	D29258	3 to 10% stringers and disseminated pyrite. Minor hematite. 5% quartz-carbonate veinlets.	1.50	-	-	-
50.00	51.50	D29259	5% disseminated pyrite. 5% quartz-carbonate veinlets.	1.50	-	-	-
51.50	53.00	D29260	1% disseminated pyrite. 5% quartz-carbonate veinlets.	1.50	-	-	-
53.00	54.50	D29261	1% disseminated pyrite. 5% quartz-carbonate veinlets.	1.50	-	-	-
54.50	56.00	D29262	1 to 3% disseminated pyrite. 5% quartz-carbonate veinlets.	1.50	-	-	-
56.00	57.00	D29263	5% disseminated pyrite. 3% quartz-carbonate veinlets.	1.00	-	-	-
57.00	65.80	CARBONACEOUS SEDIMENT					
		Black, aphanitic, graphitic sediment. Finely laminated at 30 to 40 degrees to the core axis. Moderately broken. Strong conductor. Non - magnetic.					
		2% Calcite filled hairline fracture at 40 degrees to the core axis. Occasional calcite veinlet at 45 degrees to the core axis. Barren.					
		from 57.00 to 65.00 4% pyrite. From 65.00 to 66.80 7% pyrite. Pyrite is in very fine grained disseminations, stringers parallel to foliation and blebs.					
		60.75 20 cm quartz calcite vein. Barren.					
		66.80 Lower contact sharp at 45 degrees to the core axis.					
57.00	58.50	D29364	4% pyrite. Disseminated, stringers and blebs.	1.50	-	-	-
58.50	60.00	D29365	4% pyrite. Disseminated, stringers and blebs.	1.50	-	-	-
60.00	61.50	D29366	4% pyrite. Disseminated, stringers and blebs.	1.50	-	-	-
61.50	63.00	D29367	4% pyrite. Disseminated, stringers and blebs.	1.50	-	-	-
63.00	64.50	D29368	4% pyrite. Disseminated, stringers and blebs.	1.50	-	-	-
64.50	66.00	D29369	4 to 7% pyrite. Disseminated, stringers and blebs.	1.50	-	-	-
66.00	66.80	D29370	7% pyrite. Disseminated, stringers and blebs.	0.80	-	-	-
66.80	127.10	MAFIC TO ULTRAMAFIC FLOW					
		From 66.80 to 102.00 medium green, very fine grained, moderately sheared at 40 degrees to the core axis. Non - magnetic to weakly magnetic. Moderately chloritic. Strong pervasive carbonatization.					

	Width	Au (g/t)	Rerun	Reject	Average
10 to 15% sheared 1 mm to 1 cm quartz - calcite veinlets. Barren to trace pyrite, pyrrhotite. Veinlets at 35 to 40 degrees to the core axis and in a randomly oriented network pattern. Where veining more intense there is local brecciation of the flow.					
66.80 69.00 10% medium grained to coarse grained blebs pyrite.					
69.00 77.00 Up to 1% disseminated pyrite. Very short intervals of up to 10% py.					
77.00 102.00 1 to 2% very fine grained pyrrhotite, pyrite. Weakly magnetic.					
From 102.00 unit becomes mixed medium green (chlorite) and bright green (serpentine). Fine grained to medium grained. Local 1 mm to 5 mm olivine platelets. Moderately to strongly sheared at 40 to 50 degrees to the core axis. Moderate to strong carbonatization.					
Up to 1% disseminated fine grained anhedral to euhedral pyrite, occasional stringers.					
8% to 10% sheared quartz - calcite veinlets. 1 mm to 1 cm average width. Barren. Parallel to shearing, randomly oriented and cross-cutting.					
120.90 126.10 10% pyrite. Fine grained disseminated, stretched blebs and minor stringers. 10 to 15% quartz - calcite veinlets. Unit brecciated by veining.					
127.10 Lower contact sharp at 60 degrees to the core axis.					
114.00 115.50	D29380	1 to 2% disseminated very fine grained pyrite. 8 to 10% sheared quartz - calcite veinlets. Barren.	1.50	-	-
120.90 122.50	D29381	10% pyrite. Fine grained disseminated, stretched blebs and minor stringers. 15% quartz - calcite veining, barren.	1.60	-	-
122.50 124.00	D29382	10% pyrite. Fine grained disseminated, stretched blebs and minor stringers. 15% quartz - calcite veining, barren.	1.50	-	-
124.00 125.50	D29383	10% pyrite. Fine grained disseminated, stretched blebs and minor stringers. 15% quartz - calcite veining, barren.	1.50	-	-
125.50 127.10	D29384	10% pyrite. Fine grained disseminated, stretched blebs and minor stringers. 15% quartz - calcite veining, barren.	1.60	-	-

			Width	Aug/t)	Rerun	Reject	Average
127.10	128.00	CARBONACEOUS SEDIMENT					
		Argillaceous and moderately graphitic sediment. Silicified. Finely laminated at 55 degrees to the core axis. Very weakly carbonatized. Moderate conductor.					
		7% Pyrite. Disseminated and stringers parallel to laminations.					
		128.00 lower contact gradual.					
127.10	128.00	D29385 7% pyrite. Disseminated and stringers. 2% quartz - calcite veining.	0.90	-	-	-	-
128.00	140.00	TALCOSE ULTRAMAFIC					
		Medium grey. Very fine grained. Moderately sheared and well foliated at 55 degrees to the core axis.					
		5% Quartz-carbonate veinlets. Barren.					
		128.00 132.00 1 to 2% disseminated and bleb pyrite.					
		132.00 132.99 <1% disseminated and bleb pyrite.					
		133.00 134.00 Extremely broken core.					
		128.00 129.50 D29386 2% disseminated and blebby pyrite.	1.50	-	-	-	-
140.00	156.16	MAFIC TO ULTRAMAFIC FLOW					
		Medium to dark green-grey. Fine grained. Well foliated at 40 degrees to the core axis. Moderately sheared.					
		Moderately chloritic. Weak to moderate pervasive carbonatization.					
		<1% fine grained disseminated pyrite.					
		10 to 15% sheared quartz - calcite veinlets. Majority parallel to foliation. Some cross-cut at various angles to the core axis. Barren.					
		153.60 9 cm quartz vein. 5% calcite. Barren. Contacts at 90 degrees to the core axis.					
		156.16 Lower contact sharp at 50 degrees to the core axis.					
		153.50 153.80 D29387 9 cm quartz vein. 5% calcite. Barren.	0.30	-	-	-	-
156.16	193.40	TALCOSE ULTRAMAFIC					
		Similar to 128.00 to 140.00. Very fine grained, medium grey. Foliated at 50 degrees to the core axis. Moderately sheared. Strongly talcose.					
		From 156.16 to 174.00 weak pervasive carbonatization. From 174.00 to 193.40 moderate pervasive carbonatization.					
		<1% fine grained to coarse grained blebs pyrite.					

Width	Au (g/t)	Rerun	Reject	Average
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From 156.16 to 186.00 5% to 7% irregular quartz - calcite veinlets. Majority at 50 degrees to the core axis. Barren. From 186.00 to 193.40 3% quartz - calcite veinlets. Unit has occasional barren quartz vein.

156.45 40 cm of quartz - calcite veining. 5 cm quartz vein cuts across quartz - calcite veining. Barren.

174.00 Unit becomes less talcose.

183.50 185.00 2% fine grained blebs pyrite.

186.00 193.40 3% quartz - calcite veinlets.

193.40 Lower contact gradual.

156.40 156.90 D29388 40 cm of quartz - calcite veining. Barren. 5 cm barren quartz vein crosscuts.

0.50

-

-

-

-

183.50 185.00 D29389 2% fine grained blebs pyrite. 7% quartz - calcite veinlets. Locally brecciated.

1.50

-

-

-

-

193.40 212.20 SPINIFEX TEXTURED PERIDOTITIC KOMATIITE

Medium to dark green. Foliated at 25 to 30 degrees to the core axis. Moderately sheared. Locally spinifex textured with 1 cm to 10 cm randomly oriented olivine platelets.

Moderately carbonatized. Moderately chloritic. Weakly talcose.

5% quartz - calcite veinlets. Barren. 30 degrees to the core axis.

Unit has trace pyrite.

198.80 15 cm of 25% very fine grained disseminated pyrrhotite. 2% stretched blebs pyrrhotite.

212.20 225.45 MAFIC TO ULTRAMAFIC FLOW

Medium to dark green. Fine grained. Foliated at 20 degrees to the core axis.

Moderately chloritic. Very weak pervasive and fracture controlled carbonatization.

1% quartz - calcite veinlets. Barren.

Unit has trace pyrite.

222.20 4 cm quartz - calcite vein. Barren. 15 degrees to the core axis.

225.45 lower contact sharp at 20 degrees to the core axis.

225.45 268.22 SPINIFEX TEXTURED PERIDOTITIC KOMATIITE

Similar to 193.40 to 212.20. Well foliated at 35 to 50 degrees to the core axis.



			Width	Au(g/t)	Rerun	Reject	Average
Moderately chloritic. Moderate pervasive carbonatization.							
225.45	234.90	Trace pyrite. 2% barren quartz - calcite veinlets. 15 to 20 degrees to the core axis.					
234.90	260.30	1% pyrite. 5 to 10% barren quartz - calcite veinlets. 35 to 50 degrees to the core axis.					
253.00	268.22	Locally argillitic. Strongly carbonatized.					
260.30	262.70	20% pyrite. Very fine grained disseminated, coarse grained blebs and stringers.					
258.50	265.70	15% quartz - calcite veinlets. Barren.					
262.70	265.70	2% very fine grained disseminated pyrite.					
265.70	268.22	10% medium grained to coarse grained blebs pyrite. 5% quartz - calcite veinlets. Barren.					
268.22		Lower contact at 50 degrees to the core axis.					
260.00	261.50	D29390 20% pyrite, very fine grained disseminated, coarse grained blebs and stringers. 15% barren quartz - calcite veinlets.	1.50	-	-	-	-
261.50	263.00	D29391 20% pyrite, very fine grained disseminated, coarse grained blebs and stringers. 15% barren quartz - calcite veinlets.	1.50	-	-	-	-
263.00	264.50	D29392 2% pyrite, very fine grained disseminated. 15% barren quartz - calcite veinlets.	1.50	-	-	-	-
264.50	266.00	D29393 2% pyrite, very fine grained disseminated. 15% barren quartz - calcite veinlets.	1.50	-	-	-	-
266.00	267.50	D29394 10% pyrite, medium grained to coarse grained blebs. 5% barren quartz - calcite veinlets.	1.50	-	-	-	-
267.50	268.22	D29395 10% pyrite, medium grained to coarse grained blebs. 5% barren quartz - calcite veinlets.	0.72	-	-	-	-
268.22	275.00	CARBONACEOUS SEDIMENT					
Graphitic and carbonaceous sediment. Very fine grained, black, finely laminated at 45 degrees to the core axis. Stringer conductor. Very weak carbonatization.							
10% Pyrite. Very fine grained disseminated. Coarse grained stretched blebs.							
1% Calcite filled hairline fractures at 50 degrees to the core axis.							
268.22	269.50	D29396 10% disseminated and bleb pyrite.	1.28	-	-	-	-
269.50	271.00	D29397 10% disseminated and bleb pyrite.	1.50	-	-	-	-
271.00	272.50	D29398 10% disseminated and bleb pyrite.	1.50	-	-	-	-
272.50	274.00	D29399 10% disseminated and bleb pyrite.	1.50	-	-	-	-
274.00	275.00	D29400 10% disseminated and bleb pyrite.	1.00	-	-	-	-
275.00	275.00	END OF HOLE					

Width Au(g/t) Rerun Reject Average

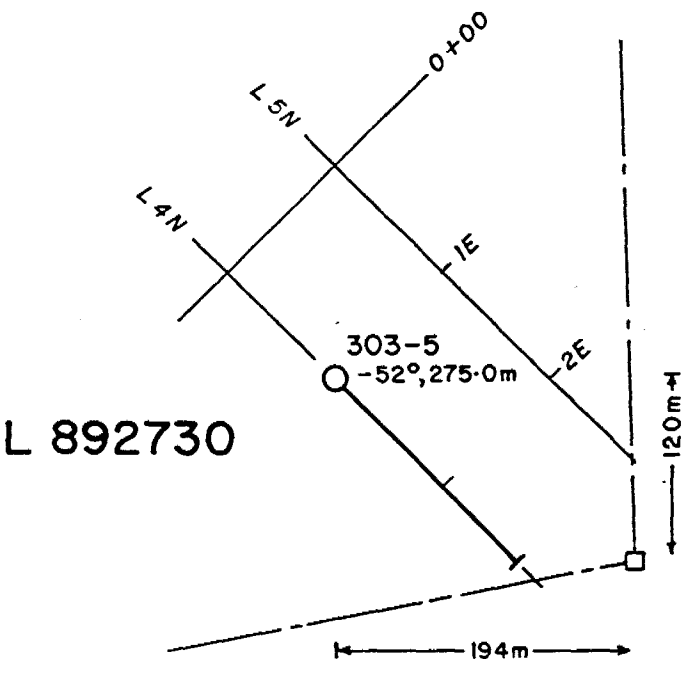
EN ANOMALY CAUSED BY CARBONACEOUS HORIZONS AT 31.00 TO 32.00 METRES, 57.00 TO 66.80 METRES, 127.10 TO 128.00 METRES, AND 268.22 TO 275.00 METRES.

DRILLING BY BRADLEY BROS. DRILLING, TIMMINS, ONTARIO.

CORE STORED AT DOME MINES, SOUTH PORCUPINE, ONTARIO.

CASING FILLED.

*Sia Tement*



Placer Dome Inc.		
Proj. No. 303, SOTHMAN & NURSEY TWPS ONT.		
DDH LOCATIONS		
Scale 1:5000	Drawn F.C.	Dwg. No.
Date APR. '88	NTS Ref. 41P/14	303-16

PLACER DOME INC.  
EXPLORATION DEPARTMENT

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DDH 303-6

REF. COORD.: 10000 9435

DATE OF COPY: APRIL 27, 1988

LOCATION: 0+00 5+65W

GRID:

PROPERTY: PROJECT 303

SOTHMAN AND NURSEY TOWNSHIP, ONT.

CLAIM POST LOCATION: 248m N & 133m E TO POST 1, CLAIM L923454

AZIMUTH: 135

LENGTH: 99

CLAIM NO: L923454

DIP: -45.0

CORE SIZE: B0

SECTION:

STARTED: MARCH 21, 1988

COMPLETED: MARCH 25, 1988

LOGGED BY: T. TENNENT

SURVEYED: NO

SYSTEM OF MEASURE: METRIC

DATE LOGGED: MARCH 24-26, 1988

PURPOSE: TO TEST EM ANOMOLY

DIP TESTS  
99 -1 -46.0

.00	3.00 CASING AND OVERBURDEN
3.00	3.10 MAFIC VOLCANIC
3.10	8.40 PLAGIOCLASE PORPHYRITIC GRANITE
8.40	16.80 MONZONITE
16.80	18.50 FELDSPAR PORPHYRITIC MONZONITE
18.50	61.85 PLAGIOCLASE PORPHYRITIC GRANITE
61.85	65.50 MAFIC FLOW
65.50	79.10 PLAGIOCLASE PORPHYRITIC GRANITE
79.10	87.85 PILLOWED MAFIC FLOW
87.85	99.00 GRANITE
99.00	99.00 END OF HOLE

		Width	Au(g/t)	Rerun	Reject	Average
Diamond Drill Hole# 303-B						
.00	3.00	CASINGS AND OVERBURDEN				
3.00	3.10	MAFIC VOLCANIC				
3.10	8.40	PLAGIOCLASE PORPHYRITIC GRANITE				
		Pink, white, dark grey. Medium grained to coarse grained.				
		Non - foliated.				
		Barren.				
		3.10 Upper contact sharp and irregular.				
		8.40 Lower contact sharp and irregular.				
8.40	16.80	MONZONITE				
		Dark grey, minor pink and white. Non - foliated. Medium grained, average grain size 1 mm to 3 mm. 50% mafic minerals, 20% potassium feldspar, 20% plagioclase, 10% quartz. Mafic minerals clotted.				
		Barren.				
		16.80 lower contact sharp at 40 degrees to the core axis.				
16.80	18.50	FELDSPAR PORPHYRITIC MONZONITE				
		Dark grey, white and pink. 30% 2 mm to 1 cm potassium feldspar and plagioclase phenocrysts in 70% matrix composed of 50% biotite and 20% quartz and feldspar. Non - foliated.				
		Barren.				
		18.50 lower contact sharp and irregular.				
18.50	61.85	PLAGIOCLASE PORPHYRITIC GRANITE				
		Pink, white and black. 10% zoned anhedral to subhedral, 5 mm to 2 cm plagioclase phenocrysts in a medium grained granitic matrix. Non - foliated. Minor 1 cm to 2 cm mafic volcanic xenoliths.				
		Minor fractures filled with hematite.				
		Barren to trace pyrite. Weakly magnetic, minor magnetite.				
		61.85 lower contact sharp at 50 degrees to the core axis.				
61.85	65.50	MAFIC FLOW				
		Dark green-grey. Weakly foliated at 40 degrees to the core				

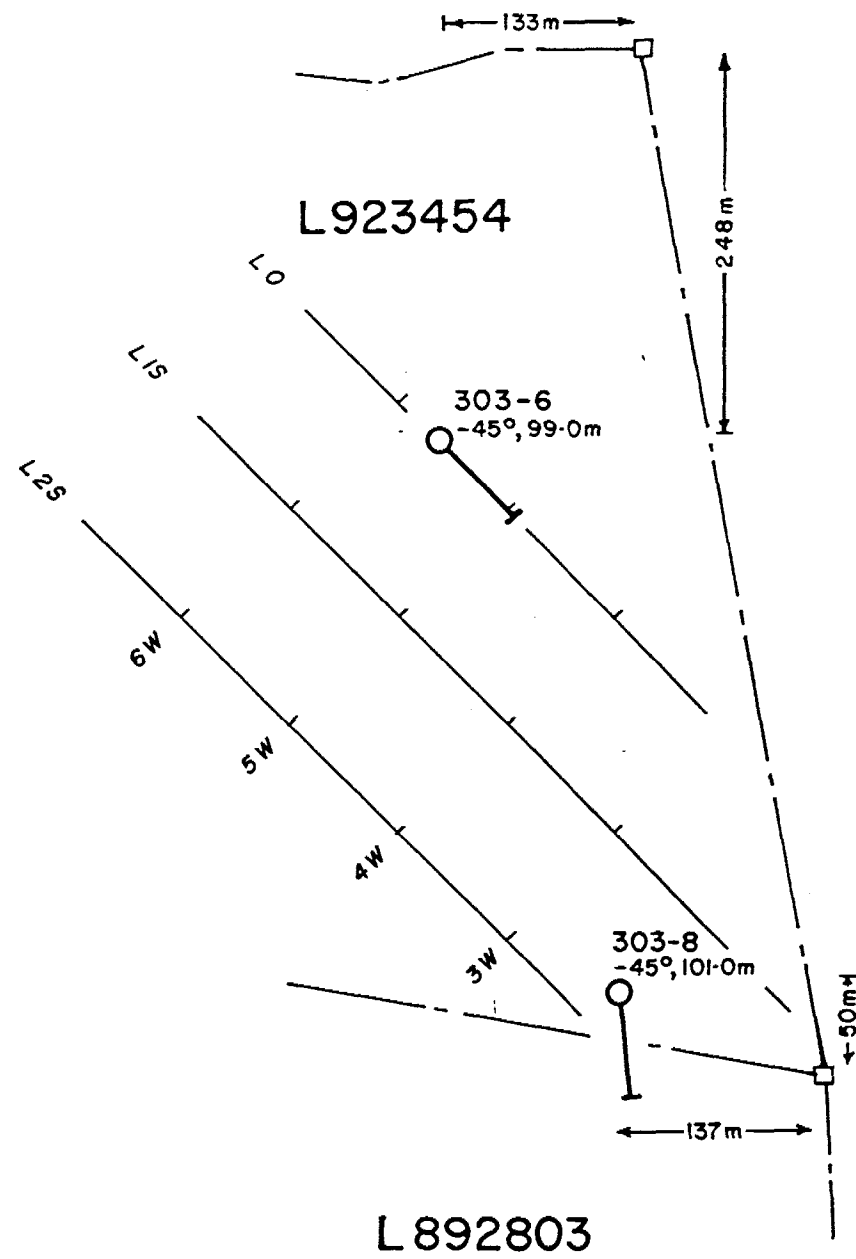
			Width	Au (g/t)	Rerun	Reject	Average
		axis. Biotitic. <1% quartz stringers. <1% hematite stringers.					
		2% fine grained blebs and fracture-filling pyrrhotite. Weakly magnetic.					
		63.50 Lower contact sharp and irregular.					
		61.85 63.35 D29401 2% blebs and fracture-filling pyrrhotite. <1% quartz stringers.	1.50	-	-	-	-
65.50	79.10	PLAGIOCLASE PORPHYRITIC GRANITE Similar to 18.50 to 61.85. Very minor mafic volcanic xenoliths ranging from 2 cm to 40 cm.					
		1% Fine grained disseminated pyrite. Weakly magnetic. 1 to 2% very fine grained magnetite.					
		79.10 Lower contact sharp.					
79.10	87.85	FOLIOLED MAFIC FLOW Very fine grained. Foliated at 47 degrees to the core axis. Strongly magnetic.					
		<1% calcite, minor pyrite filled fractures at 50 degrees to the core axis.					
		<1% fine grained disseminated pyrite.					
		87.85 Lower contact sharp at 30 degrees to the core axis.					
		79.10 80.60 D29402 <1% fine grained disseminated pyrite. <1% calcite, minor pyrite filled fractures. Strongly magnetic.	1.50	-	-	-	-
87.85	99.00	GRANITE Pink, black and white. Fine grained, average grain size 1 mm to 2 mm. Non - foliated. Composed of 30% potassium feldspar, 30% biotite and hornblende, 15% plagioclase, 24% quartz.					
		<1% fractures filled with hematite.					
		1% fine grained disseminated pyrite.					
99.00	99.00	END OF HOLE  EM ANOMOLY NOT INTERSECTED.  DRILLING BY BRADLEY BROS. DRILLING, TIMMINS, ONTARIO.					

Width	Au(g/t)	Rerun	Reject	Average
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CORE STORED AT DOME MINES, SOUTH PORCUPINE, ONTARIO.

CASING PULLED.

*Tia Tennent*



Placer Dome Inc.		
Proj. No. 303, SOTHMAN & NURSEY TWPS. ONT.		
DDH LOCATIONS		
Scale 1:5000	Drawn F.C.	Dwg. No.
Date APR. '88	NTS Ref. 41P/14	303-17





Ontario Project 303

Mining Act

Name and Postal Address of Recorded Holder  
**PLASTER DOME INC.**  
 P.O. Box 350, Suite 3500, IBM Tower, Toronto  
 TORONTO, Ontario M5K 1N3



41P14NW0003 32 SOTHMAN

900

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 3336	Mining Claim		Work Days Cr.	Prefix		Number	Days Cr.	Prefix		Number	Days Cr.
	Prefix	Number		Prefix	Number						
for Performance of the following work. (Check one only)	L	892766 et al	See	Schedule A							
<input type="checkbox"/> Manual Work											
<input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work.											
<input type="checkbox"/> Compressed Air, other Power driven or mechanical equip.											
<input type="checkbox"/> Power Stripping											
<input checked="" type="checkbox"/> Diamond or other Core drilling											
<input type="checkbox"/> Land Survey											

MINING GEOLOGICAL SURVEY  
 ASSESSMENT FILES  
 OFFICE

AUG 25 1988

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All the work was performed on Mining Claim(s): L 892730 et al See Schedule B

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

HOLE NO.	LENGTH M	(FT)	DATES
303-1	94	308.4	March 5 to March 7, 1988
303-2	104	341.2	March 7 to March 9, 1988
303-3	98	321.5	March 9 to March 11, 1988
303-4	136	446.2	March 11 to March 13, 1988
303-5	275	902.2	March 13 to March 21, 1988
303-6	99	324.8	March 21 to March 25, 1988
303-7	110	360.9	March 26 to March 27, 1988
303-8	101	331.4	March 27 to March 29, 1988

Drilled by Bradley Bros. Drilling, Timmins  
 Core Size: B.Q.

MINING DIVISION  
**RECEIVED**  
 AB.  
 MAY 2 1988

**RECORDED**  
 MAY 02 1988

Date of Report April 27, 1988	Recorded Holder or Agent (Signature) <i>John M. Morganti</i>
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Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying  
**John M. Morganti**  
 P.O. Box 350, Suite 3500, IBM Tower, T-D Centre  
 TORONTO, Ontario M5K 1N3

Date Certified  
April 29, 1988

Certified by (Signature)  
*John M. Morganti*

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific Information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.	Nil	Nil
Land Survey	Name and address of Ontario land surveyor.		

## SCHEDULE A

Claim No.	WORK DAYS CREDIT
1892745	140
892746	140
892747	140
892748	140
892749	140
892750	140
892755	140
892758	140
892759	140
892760	140
892761	140
892762	140
892764	140
892765	140
892766	140
892767	140
982768	140
892769	140
892776	140
892777	116
892779	140
892780	140
892783	140
892786	140

SCHEDULE B

All the work was performed on Mining Claims:

L. 892730  
892760  
892775  
892778  
892783  
892786 AB.  
892801  
892803  
923454



