DIAMOND DRILLING

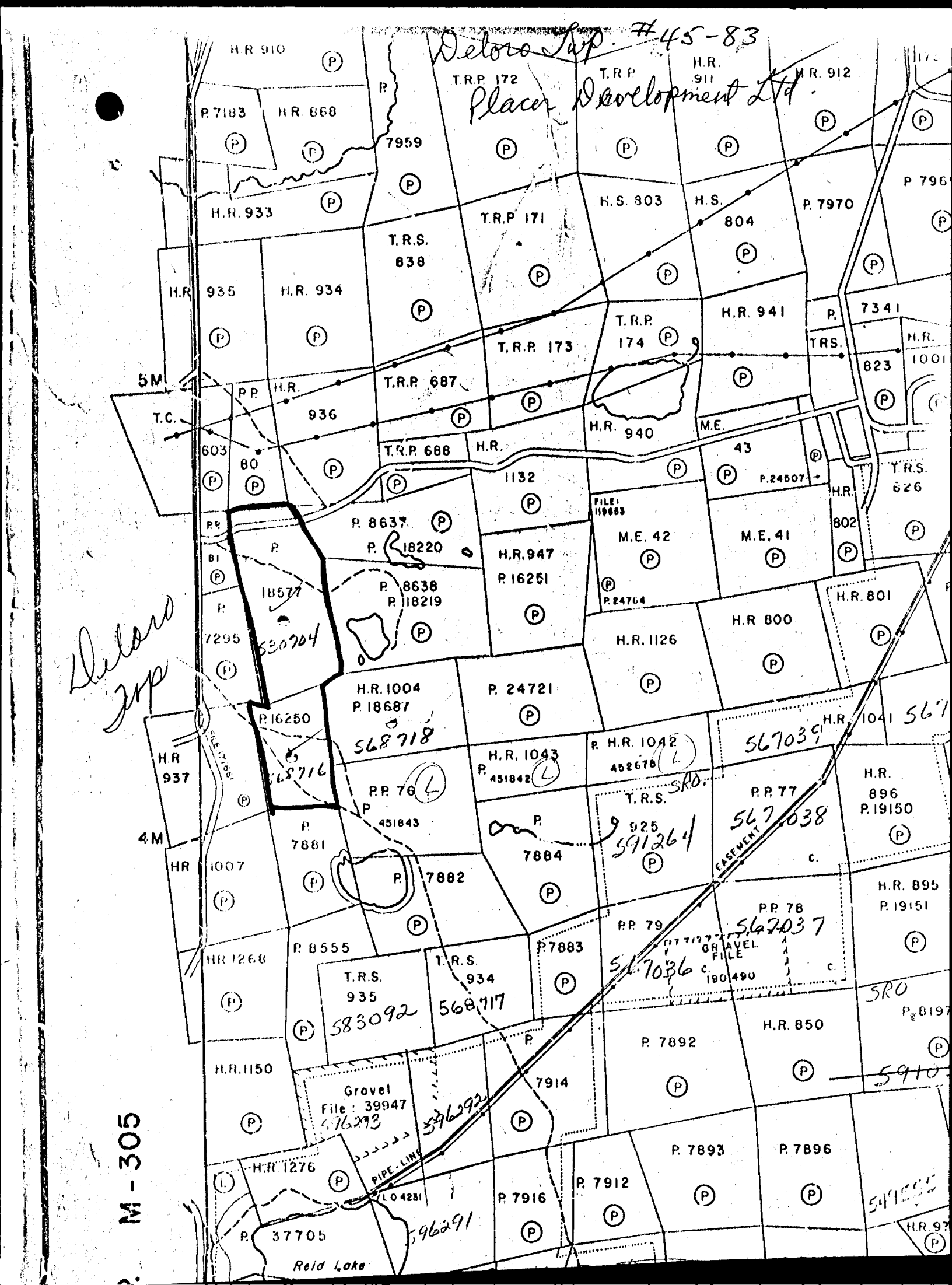
TOWNSHIP: Deloro

REPORT NO.: 23

WORK PERFORMED BY: Placer Development Ltd.

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
P 530704 568716	82-7	820.0	May/82	(1)

NOTES: (1) #45-83


Deloro Twp. #45-83
Placer Development Ltd.
H.R. 910
P. 7183
H.R. 868
T.R.P. 172
H.R. 911
H.R. 912
7959
H.R. 933
H.S. 803
H.S. 804
P. 7970
T.R.P. 171
T.R.S. 838
H.R. 935
H.R. 934
T.R.P. 173
T.R.P. 174
H.R. 941
P. 7341
T.R.S.
823
H.R. 1001
5M
T.C.
P.P.
H.R. 936
T.R.P. 687
H.R. 940
M.E.
603
80
T.R.P. 688
H.R. 1132
43
P. 24607
T.R.S. 826
FILE: 119883
P. 8637
P. 18220
M.E. 42
M.E. 41
H.R. 802
81
18577
P. 8638
P. 18219
H.R. 947
P. 16251
P. 24764
H.R. 801
H.R. 800
7295
530704
H.R. 1126
H.R. 1004
P. 18687
568718
P. 24721
P. 16250
568716
H.R. 1042
452678
H.R. 1043
P. 451842
567039
H.R. 1041
567
H.R. 937
P.P. 76
P. 451843
T.R.S. 925
591264
SRO
P.P. 77
567038
H.R. 896
P. 19150
4M
HR 1007
P. 7881
P. 7882
7884
EASEMENT
C.
HR 1268
P. 8555
T.R.S. 935
583092
T.R.S. 934
568717
P. 7883
P.P. 79
P.P. 78
567037
GRAVEL FILE
190490
H.R. 895
P. 19151
567036
H.R. 1150
Gravel
File: 39947
596293
P. 7914
P. 7892
H.R. 850
SRO
P. 8197
5910
H.R. 1276
PIPE-LINE
L O 4231
P. 7916
P. 7912
P. 7893
P. 7896
P. 37705
596291
Reid Lake
H.R. 97
M-305
Deloro Twp

DRILLING REPORT ON

CLAIMS P.530704 & P.568716

PLACER/COMSTATE OPTION

DELORO TOWNSHIP

VENTURE 184 - AREA I

BY

PLACER DEVELOPMENT LIMITED

Toronto, Ontario
January 1983

TABLE OF C

INTRODUCTION

A program of diamond drilling was completed on claim P.530704 during May of 1982 for stratigraphic information in an area of uncertain geology. It was hoped that with the resulting subsurface geology coupled with existing geophysics a valid interpretation of geology could be obtained.

LOCATION AND ACCESS

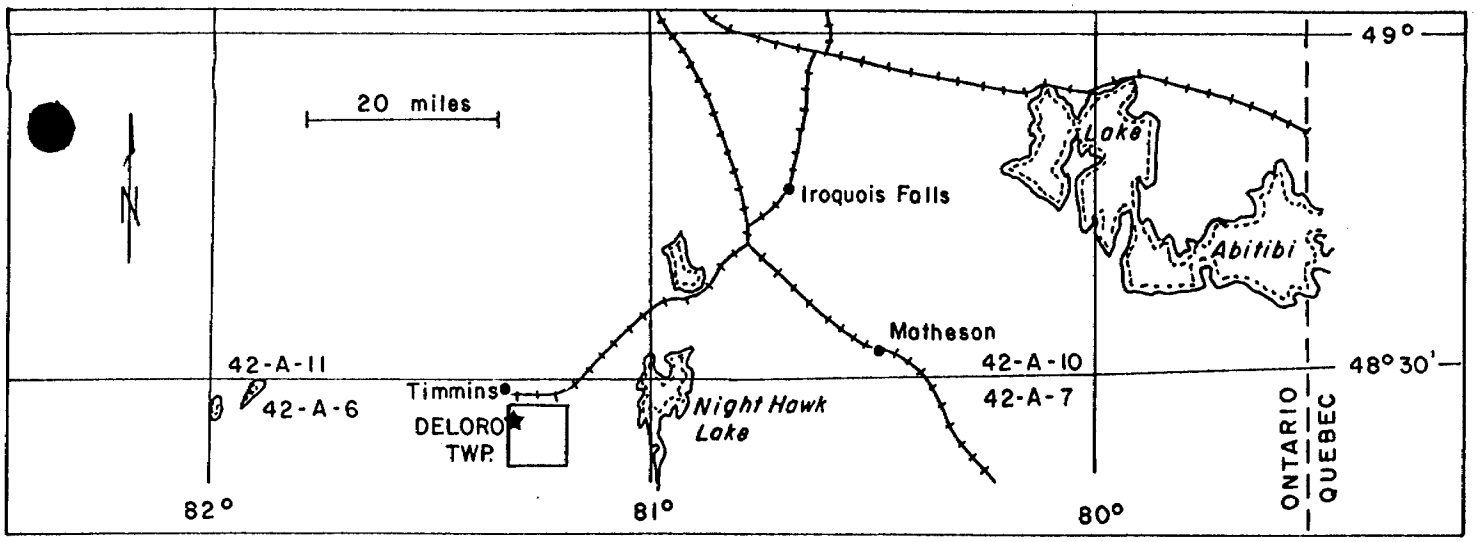
The claims presently under consideration, P.530704, P.568716 and P.568718 are all located in the northwest corner of Deloro Township within the Porcupine Mining Division. Figure 1. Access is provided by Pine Street South which is situated about 150 m west of the west boundary. Distance from the city centre of Timmins is approximately 5 km.

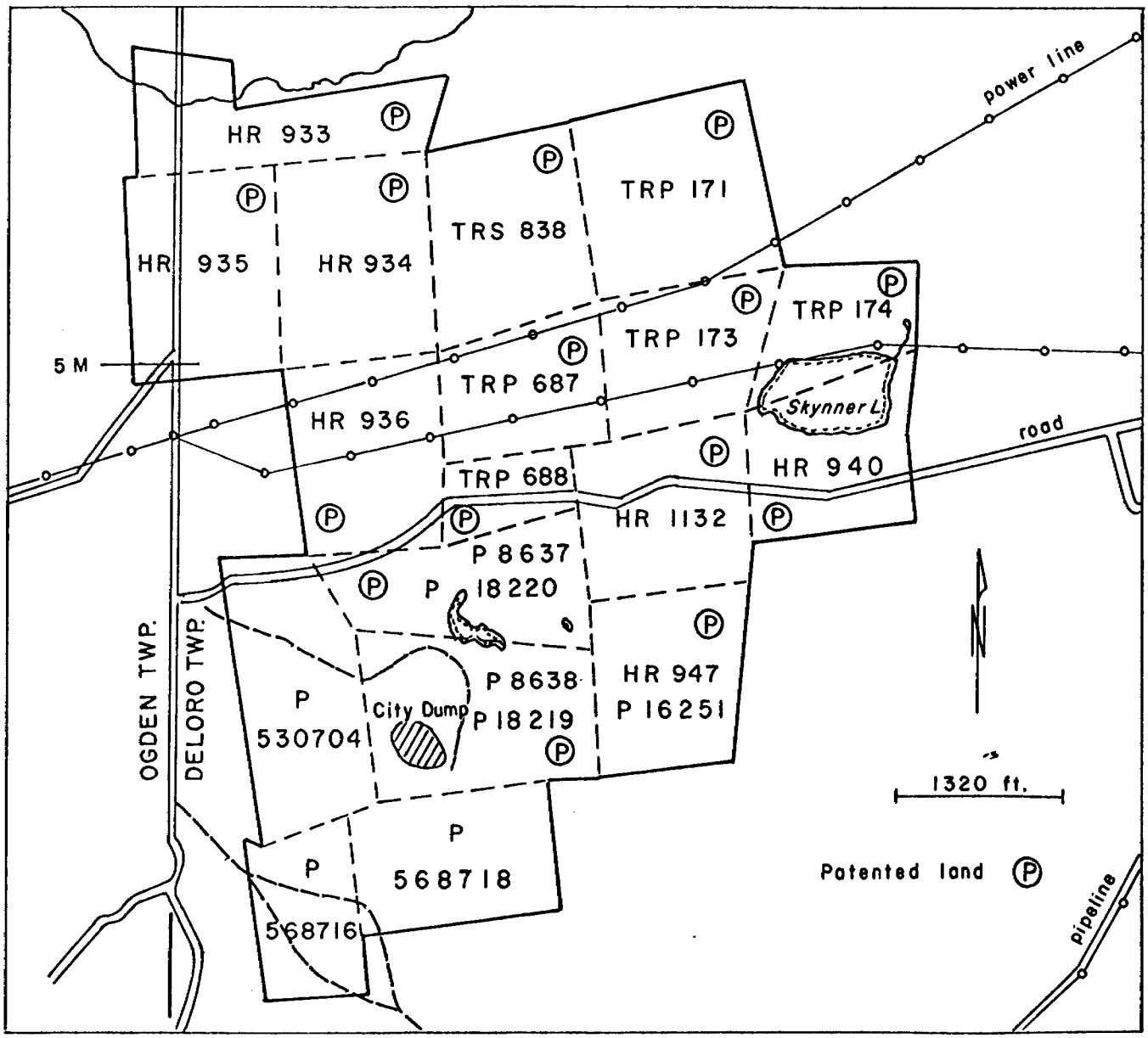
DIAMOND DRILLING

One inclined BQ drill hole was completed on claim P.530704 in May for a total of 249.9 metres. The drilling was completed under contract to Heath & Sherwood Drilling of Kirkland Lake. Drill hole particulars are provided in Table I and the hole is located on Dwg.No.184-48.

The drill hole was surveyed using a combination of tropari and clinometer during drilling. All survey data is provided in Table II.

contd. ...





after OMNR Plan M272

PLACER DEVELOPMENT LIMITED

LOCALITY & CLAIMS MAP

MAIN DELORO CLAIM GROUP

DELORO TWP., ONTARIO

Figure 1.

NTS 42-A-6
Dec.,1982

V184(I)

SAMPLING AND ASSAYING

Sections of drill core displaying extensive quartz veining and/or sulphides were sampled for assay. Samples were routinely collected on a 1 metre interval, in zones selected for sampling, except where dictated by lithology. All core so selected was sawn in an effort to maintain unbiased sampling and preserve the geological details of the core. All samples were analysed for Au, Ag, As, Cu and Zn at Swastika Laboratories Limited, Swastika, Ontario. Gold assays were obtained by using a combined fire assay-atomic absorption method with the resultant gold contents being expressed as parts per billion (ppb).

GEOLOGY

A detailed description of the rock types encountered in the drilling phase is presented in the Diamond Drill Log provided in Appendix I. The volcanic section as provided by the drilling is essentially one of multiflow tholeiitic basalts. Pillow selvages associated with vesicles and/or varioles are prevalent throughout as are coarse flow bases. Detail study of the spatial relationship of the vesicles and the pillow selvages strongly suggest a south facing overturned sequence. This would support surficial expression of south tops further to the east. The tholeiitic basalts are relatively unaltered with minor carbonate ($CaCO_3$) and chlorite alteration. The typical colour is dark green and because of this, those basalts have been tentatively classified as Fe-tholeiites until such time as chemical verification.

Assay results were largely negative.

contd. ...

CONCLUSIONS AND RECOMMENDATIONS

From the diamond drilling completed during the 1982 campaign it was established that the central portion of the three claim block is underlain by relatively unaltered tholeiitic basalts which are in all probability overturned to the south. The competent nature of these rocks make them a reasonable choice for host rocks and subsequent geophysical interpretation should bear this in mind. It is also recommended that the geology of the southern part of claims P.568716 and P.568718 be established by an additional stratigraphic drill hole.

Respectfully Submitted,

D.D. Davidson

DDD/of

T A B L E I

Diamond Drill Hole Particulars

Drill Hole Number	Location	Azimuth Drilled	Dip	Final Depth
DEL-82-7	L1+50E, 5+50S	170°	-45°	249.9 m

T A B L E II

Diamond Drill Hole Surveying

Drill Hole Number	Depth	Azimuth	Dip
DEL-82-7	Collar	170°	-45°
	61.0 m		-47°
	122.0 m		-46°
	183.0 m		-43°
	246.0 m	173°	-41°

A P P E N D I X I

Diamond Drill Logs - DEL-82-7

HOLE DEL82007
PLACER DEVELOPMENT LTD.,V.184,COMSTAT-DELORO
DELORO TWP.,TIMMINS,ONT.
CLAIM NO. 530704 and 568718
GRID NORTH -550.00 GRID EAST 150.00
GRID AZIMUTH OF HOLE 180.00 VERTICAL ANGLE -45.00
TRUE AZIMUTH OF HOLE 170
TOTAL DEPTH OF HOLE: 249.90mt.
Logged by: C.G.Keech on (day/mo/yr)...22MAY82
Drilled by: Heath and Sherwood (mo/yr)...MAY82

FROM 0.00MT. TO 51.80MT.
OVERBURDEN SAND
CASING TO 53.35 METRES.

FROM 51.80MT. TO 69.20MT.
light grey IRON THOLEIITE with VARIOLIES PILLOWS
Structures noted: MICROVEINS dip 85, MICROVEINS dip 50
1% QUARTZ as microveins
.3% PYRITE as disseminations and scattered crystals
1% LEUCOXENE as blebs
2.5% CALCITE as microveins
1% PYRRHOTITE as disseminations and scattered crystals

PILLOWED VARIOLITIC FLOW TOP.
CENTRE OF PILLOWS MORE FELSIC.

FROM 69.20MT. TO 78.90MT.
medium green IRON THOLEIITE with PILLOWS VARIOLIES
Textures noted: MASSIVE , AMYGDALOIDAL
Structures noted: MICROVEINS dip 50,
1% QUARTZ as microveins
.3% PYRITE as disseminations and scattered crystals
2.5% LEUCOXENE as blebs
2.5% CALCITE as microveins

ONE FLOW UNIT WITH PILLOWED SECTION DOWN HOLE
TOPS MAYBE DOWN HOLE , IE TOPS TO SOUTH.

FROM 74.30MT. TO 74.45MT.
.3% of this subinterval is
QUARTZ VEIN with 30 % CALCITE
CONTAINS MINOR AXINITE (1%) AT TOP OF VEIN.

FROM 75.30MT. TO 75.70MT.
2.5% of this subinterval is
QUARTZ VEIN with 40 % CALCITE
CONTAINS 10 % AXINITE AS PATCHES.

FROM 78.40MT. TO 78.65MT.
1% of this subinterval is
QUARTZ VEIN with 40 % CALCITE
CONTAINS 5% AXINITE AS PATCHES.
CUBIC PY AT UPPER CONTACT.

FROM 78.90MT. TO 114.80MT.
medium green IRON THOLEIITE
Textures noted: CRENULATED , BANDED , SCHISTOSE
1% QUARTZ as microveins
.3% PYRITE as disseminations and scattered crystals
.1% LEUCOXENE as blebs
2.5% EPIDOTE as microveins
5% CHLORITE as pervasive mineralization
2.5% CALCITE as pervasive mineralization

CONTACT SHARP.

FROM 80.80MT. TO 89.40MT.
100% of this subinterval is
dark green IRON THOLEIITE with 5% LEUCOXENE
5% LEUCOXENE as blebs
5% CHLORITE as pervasive mineralization
2.5% CALCITE as pervasive mineralization

FROM 105.15MT. TO 114.80MT.
20% of this subinterval is
QUARTZ VEIN with 30 % CALCITE
.01% TOURMALINE as disseminations and scattered crystals
.3% PYRITE as disseminations and scattered crystals
QZ-CA VEINS RANGE IN WIDTH FROM 1 TO 10 CM .

FROM 114.80MT. TO 123.60MT.
medium green IRON THOLEIITE
Textures noted: MASSIVE
.01% PYRITE as disseminations and scattered crystals
2.5% LEUCOXENE as blebs
5% EPIDOTE as microveins
5% CHLORITE as pervasive mineralization
1% CALCITE as microveins

PATCHES OF BUFF, FINE GRAINED SILICA.

FROM 123.60MT. TO 174.50MT.
dark green IRON THOLEIITE
Textures noted: MASSIVE
1% QUARTZ as microveins
.3% PYRITE as euhedral crystals
5% LEUCOXENE as blebs
1% EPIDOTE as microveins
2.5% CHLORITE as pervasive mineralization
2.5% CALCITE as pervasive mineralization

CALCITE ALTERATION INCREASES DOWN HOLE.

FROM 123.60MT. TO 125.10MT.
100% of this subinterval is
light green IRON THOLEIITE with VARIOLIES
1% QUARTZ as microveins
.01% PYRITE as euhedral crystals
1% LEUCOXENE as blebs

2.5% EPIDOTE as microveins
1% CALCITE as microveins
POSSIBLY A FLOW TOP, NO FLOW CONTACT OBSERVED.

FROM 135.00MT. TO 139.80MT.
100% of this subinterval is
dark green IRON THOLEIITE
Textures noted: FOLIATED , CRENULATED
Structures noted: FOLIATION dip 40,
1% QUARTZ as microveins
.1% PYRITE as euhedral crystals
1% LEUCOXENE as blebs
1% EPIDOTE as microveins
2.5% CHLORITE as pervasive mineralization
2.5% CALCITE as pervasive mineralization

FROM 154.55MT. TO 154.90MT.
100% of this subinterval is
QUARTZ VEIN with 20 % CALCITE
1% PYRITE as microveins
INCLUSIONS OF FETH CONTAINS 5 % LEUCOXENE .

FROM 156.55MT. TO 157.70MT.
90% of this subinterval is
QUARTZ VEIN with 30 % CALCITE
1% TOURMALINE as microveins
.1% PYRITE as disseminations and scattered crystals
.01% CHALCOPYRITE as disseminations and scattered crystals
CONTAINS INCLUSIONS OF FETH.

FROM 157.70MT. TO 160.65MT.
100% of this subinterval is
dark green IRON THOLEIITE
1% QUARTZ as microveins
2.5% PYRITE as euhedral crystals
2.5% EPIDOTE as microveins
2.5% CHLORITE as pervasive mineralization
2.5% CALCITE as pervasive mineralization

FROM 174.50MT. TO 189.15MT.
medium green IRON THOLEIITE
Textures noted: MASSIVE
1% QUARTZ as microveins
.3% PYRITE as disseminations and scattered crystals
5% LEUCOXENE as blebs
1% EPIDOTE as microveins
5% CHLORITE as blebs
2.5% CALCITE as microveins

B2-CA VEIN, 5 CM WIDE AT 172.0 M .

FROM 186.75MT. TO 187.30MT.
100% of this subinterval is
QUARTZ VEIN with 40 % CALCITE
.01% PYRITE as disseminations and scattered crystals

FROM 187.40MT. TO 188.15MT.
100% of this subinterval is
light green IRON THOLEIITE
1% QUARTZ as microveins
2.5% PYRITE as euhedral crystals
5% EPIDOTE as microveins
5% CHLORITE as pervasive mineralization
5% CALCITE as microveins
LOWER CONTACT AT 5 CM WHITE QZ-CA VEIN.

FROM 188.15MT. TO 205.50MT.
medium green IRON THOLEIITE
Textures noted: MASSIVE
Structures noted: FOLIATION dip 40,
2.5% QUARTZ as microveins
.01% PYRITE as disseminations and scattered crystals
5% LEUCOXENE as blebs
5% CHLORITE as pervasive mineralization
2.5% CALCITE as pervasive mineralization

THIS UNIT IS COARSER GRAINED, CENTRE OF A FLOW
OR POSSILBLY A DYKE OF FETH COMPOSITION.

FROM 189.40MT. TO 190.25MT.
80% of this subinterval is
QUARTZ VEIN with 30 % CALCITE
.3% TOURMALINE as microveins
.1% PYRITE as disseminations and scattered crystals
CONTAINS INCLUSIONS OF FETH (20 % INCLUSIONS)

FROM 196.80MT. TO 200.90MT.
100% of this subinterval is
medium green IRON THOLEIITE
Textures noted: FOLIATED , CRENULATED
Structures noted: FOLIATION dip 70,
2.5% QUARTZ as microveins
.3% PYRITE as disseminations and scattered crystals
5% CHLORITE as pervasive mineralization
2.5% CALCITE as pervasive mineralization
CONTACTS GRADATIONAL.

FROM 204.90MT. TO 205.50MT.
90% of this subinterval is
QUARTZ VEIN with 30 % CALCITE
.01% PYRITE as disseminations and scattered crystals
CONTAINS INCLUSIONS OF FETH (10 % INCLUSIONS)

FROM 205.50MT. TO 242.90MT.
medium green IRON THOLEIITE with VARIOLIES
2.5% QUARTZ as microveins
.01% PYRITE as disseminations and scattered crystals
.3% CHALCOPYRITE as disseminations and scattered crystals
2.5% CALCITE as microveins
.01% ARSENOPYRITE as disseminations and scattered crystals

PILLOW CENTRES ARE MORE FELSIC.
POSSILBE FLOW TOP.

FROM 212.40MT. TO 232.20MT.
100% of this subinterval is
medium green IRON THOLEIITE
Textures noted: MASSIVE
Structures noted: MICROVEINS dip 40, MICROVEINS dip 70
1% QUARTZ as microveins
.01% PYRITE as disseminations and scattered crystals
2.5% LEUCOXENE as blebs
2.5% EPIDOTE as microveins
1% CALCITE as microveins
BOTH CONTACTS GRADATIONAL.

FROM 242.90MT. TO 246.50MT.
dark grey INTERMEDIATE TUFF with QUARTZ , FELDSPARS, GEN. , and 30.% CALCITE
1% QUARTZ as microveins
.01% PYRITE as disseminations and scattered crystals
5% SERICITE as pervasive mineralization
2.5% CALCITE as pervasive mineralization

BOTH CONTACTS SHARP, CONTAINS POSSIBLE QZ
SHARDS, FELDSPAR CRYSTALS,AND LITHIC FRAGMENTS.

FROM 244.70MT. TO 245.70MT.
100% of this subinterval is
medium green IRON THOLEIITE
Textures noted: BANDED
Structures noted: BANDING dip 40,
2.5% QUARTZ as microveins
.01% PYRITE as disseminations and scattered crystals
5% CHLORITE as pervasive mineralization
2.5% CALCITE as pervasive mineralization

FROM 246.50MT. TO 249.90MT.
medium green IRON THOLEIITE with VARIOLIES PILLOWS
Textures noted: , BANDED
1% QUARTZ as microveins
.01% PYRITE as disseminations and scattered crystals
2.5% CALCITE as microveins
UPPER 2.0 METRES BANDED, POSSIBLY SHEARED.
PILLOW CENTRES ARE MORE FELSIC.

EOH END OF HOLE.

IN-HOLE SURVEY AT 61.00 MT.
GRID AZIMUTH OF HOLE 180.00 VERTICAL ANGLE -47.00
TRUE AZIMUTH OF HOLE 170

IN-HOLE SURVEY AT 122.00 MT.
GRID AZIMUTH OF HOLE 180.00 VERTICAL ANGLE -46.00
TRUE AZIMUTH OF HOLE 170

IN-HOLE SURVEY AT 183.00 MT.
GRID AZIMUTH OF HOLE 181.00 VERTICAL ANGLE -43.00
TRUE AZIMUTH OF HOLE 171

IN-HOLE SURVEY AT 246.00 MT.
GRID AZIMUTH OF HOLE 183.00 VERTICAL ANGLE -41.00
TRUE AZIMUTH OF HOLE 173

IN-HOLE SURVEY AT 249.90 MT.
GRID AZIMUTH OF HOLE 183.00 VERTICAL ANGLE -41.00
TRUE AZIMUTH OF HOLE 173

A001
AUMM PB AU PM AG PM CU PM ZN PM AS
ALAB SWAST SWAST SWAST SWAST SWAST
ATYP H-COR H-COR H-COR H-COR H-COR
AMTH FAAA AA AA AA AA
RASY FA AA= FIRE ASSAY (30G ASSAY TON)
RASY WITH AN ATOMIC ABSORBTION FINISH.

A001	7390	7490	3185	5	0.0	105	54	19
A001	7490	7590	3186	5	0.0	75	45	18
A001	10510	10610	3187	20	0.3	91	66	3
A001	10610	10710	3188	0	0.0	92	59	2
A001	10710	10810	3189	20	0.2	110	64	5
A001	10810	10910	3190	20	0.2	115	98	9
A001	11100	11200	3191	20	0.0	84	65	29
A001	11200	11300	3192	5	0.0	162	71	11
A001	11300	11400	3193	0	0.0	47	179	5
A001	15455	15555	3194	0	0.0	61	67	2
A001	15555	15655	3195	5	0.0	173	114	7
A001	15655	15755	3196	5	0.0	221	45	3
A001	15755	15855	3197	30	0.0	363	93	38
A001	15855	15955	3198	5	0.3	260	97	43
A001	15955	16055	3199	5	0.0	254	117	26
A001	16640	16740	3200	0	0.0	15	23	1
A001	18715	18815	3201	20	0.5	1400	320	40
A001	18925	19025	3202	10	0.0	34	41	18
A001	19980	20080	3203	5	0.0	87	64	13
A001	20450	20550	3204	0	0.0	37	52	12
A001	20910	21010	3205	5	0.0	139	77	16
A001	21010	21110	3206	0	0.0	130	67	19
A001	21110	21210	3207	0	0.0	121	78	7
A001	23700	23800	3208	5	0.0	174	89	1
A001	23800	23900	3209	10	0.0	128	80	0
A001	24230	24330	3210	5	0.0	88	87	1
A001	24330	24430	3211	0	0.0	36	79	1
A001	24430	24530	3212	10	0.0	51	170	0

RASY SAMPLES TAKEN FOR PETROGRAPHIC AND WHOLE ROCK GEOCHEM.

RASY	6860	6860	DEL-7A
RASY	8300	8300	DEL-7B
RASY	10320	10320	DEL-7C
RASY	10720	10720	DEL-7D
RASY	15500	15500	DEL-7E
RASY	19880	19880	DEL-7F
RASY	23050	23050	DEL-7G

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RASY 24400 24400    DEL-7H
RASY 24810 24810    DEL-7I
/END
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L-0

L-1-E

L-2-E

L-3-E

BL

1-S

2-S

3-S

4-S

5-S

6-S

7-S

8-S

9-S

P-530704

P-568716

P-568718

DEL-82-7

LAKE

CITY DUMP

CREEK

Astro North

PLACER DEVELOPMENT LIMITED		
LOCATION of DDH DEL 82-7 DELORO TWP. PROPERTY COMSTATE OPTION Timmins Area Porcupine Mining Division, Ontario		
DRAWN F.H.F.	SCALE 1:2500	NTS 42-A-6
TRACED	DATE Jan. 1983	VENTURE 184 (I)
APPROVED		Dwg. No. 184-48