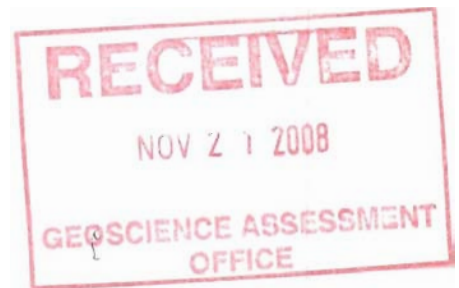
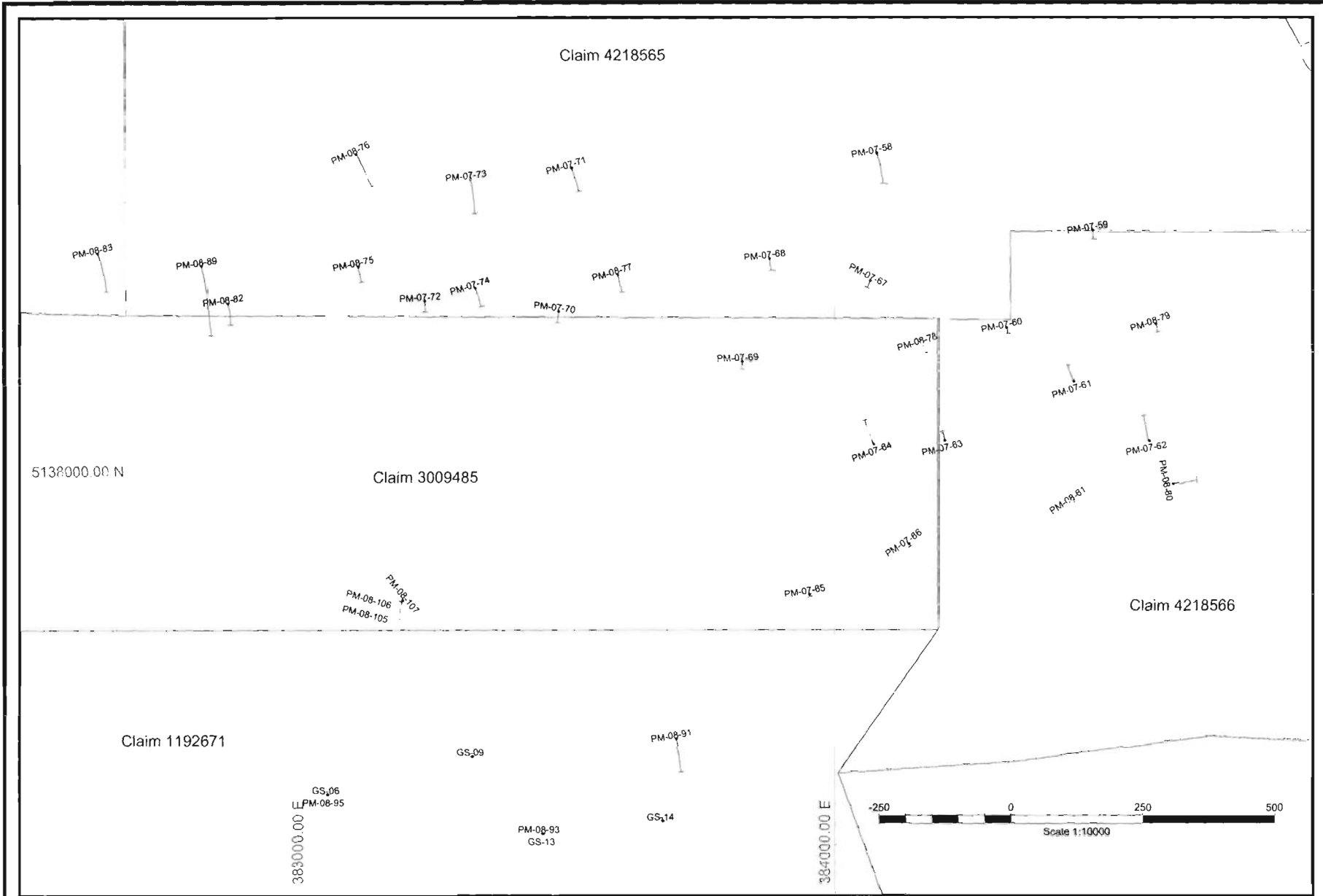


## Appendix "A"

Drill hole trace plots

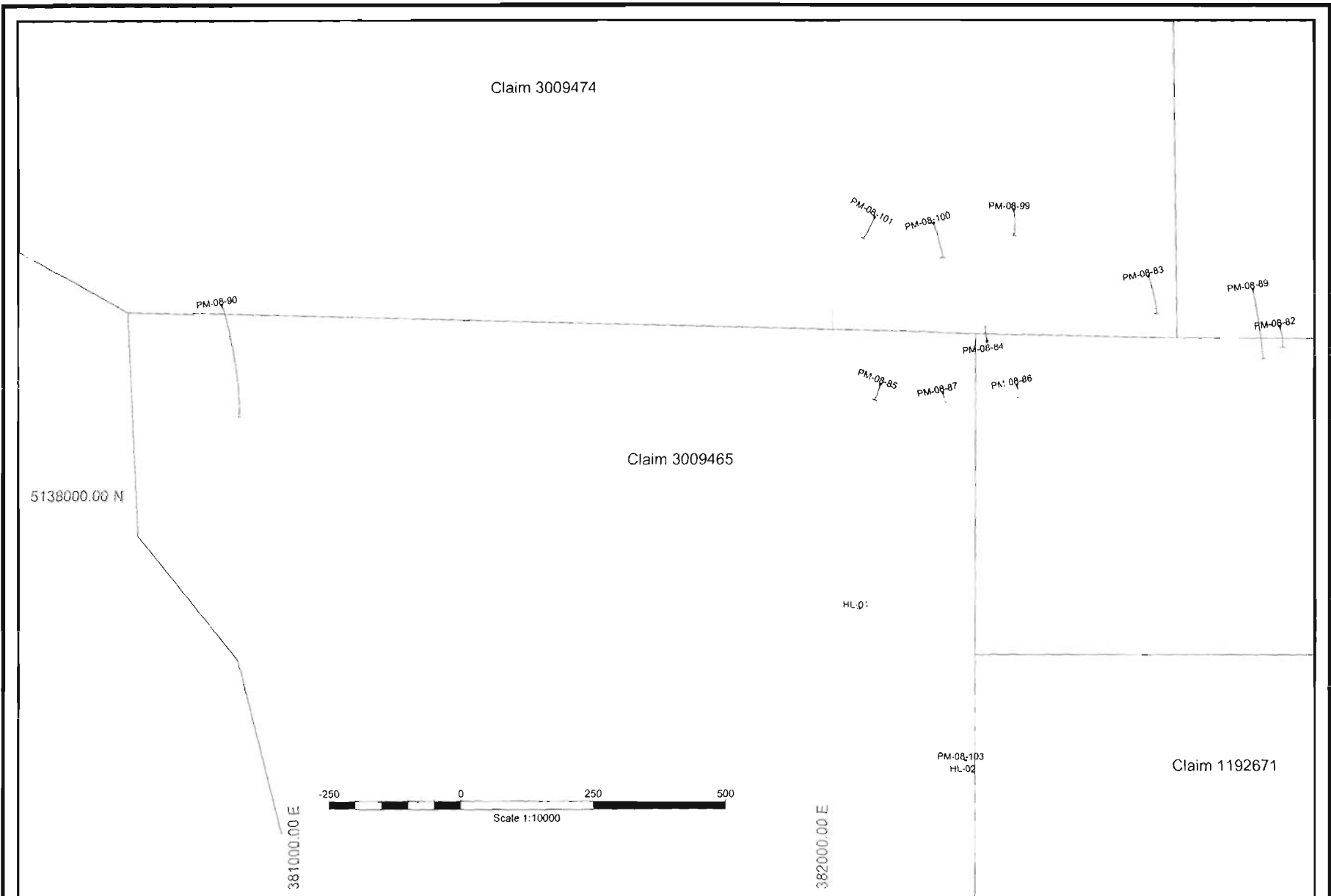




Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Planview

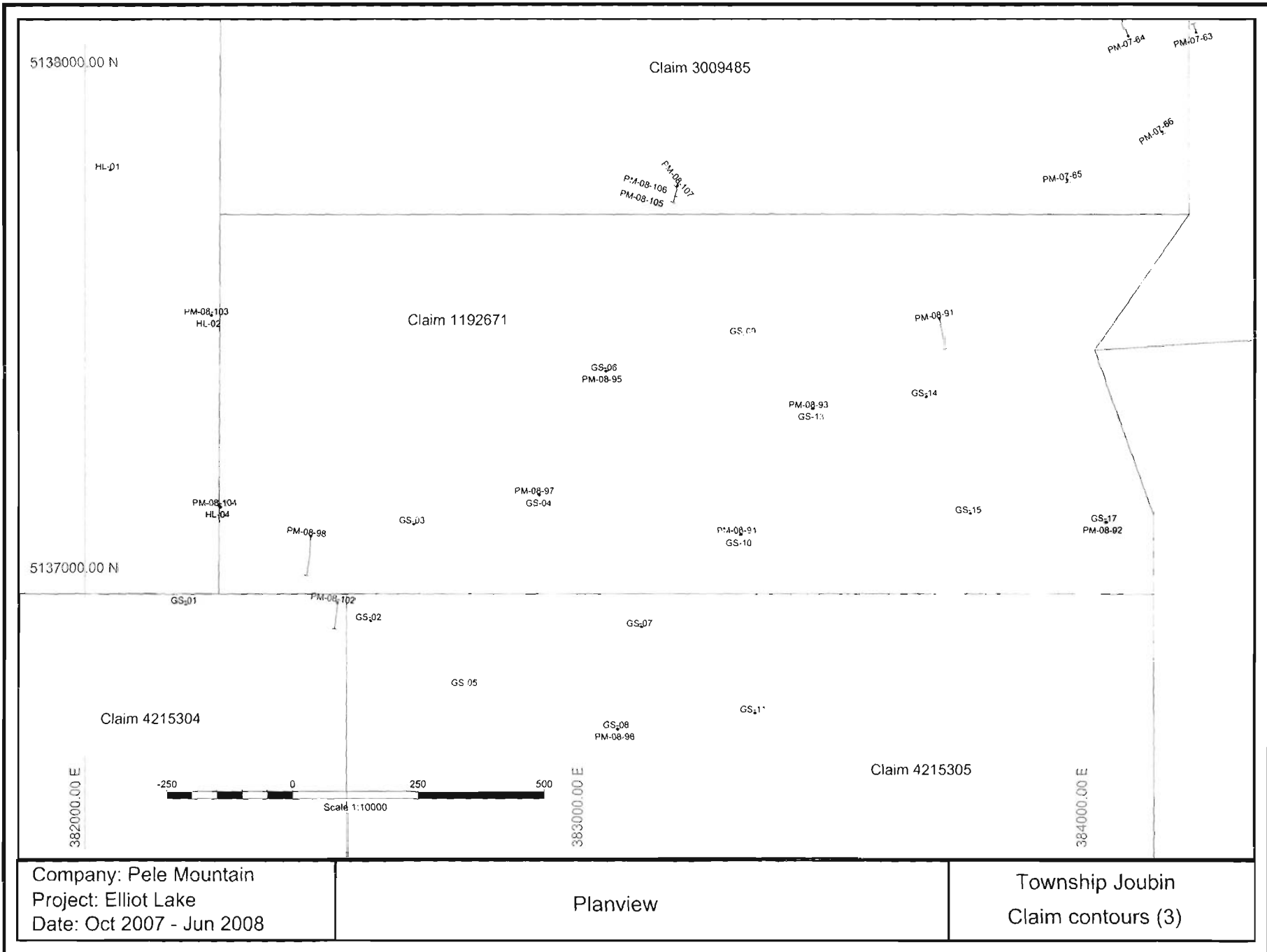
Township Joubin  
 Claim contours (1)



Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Planview

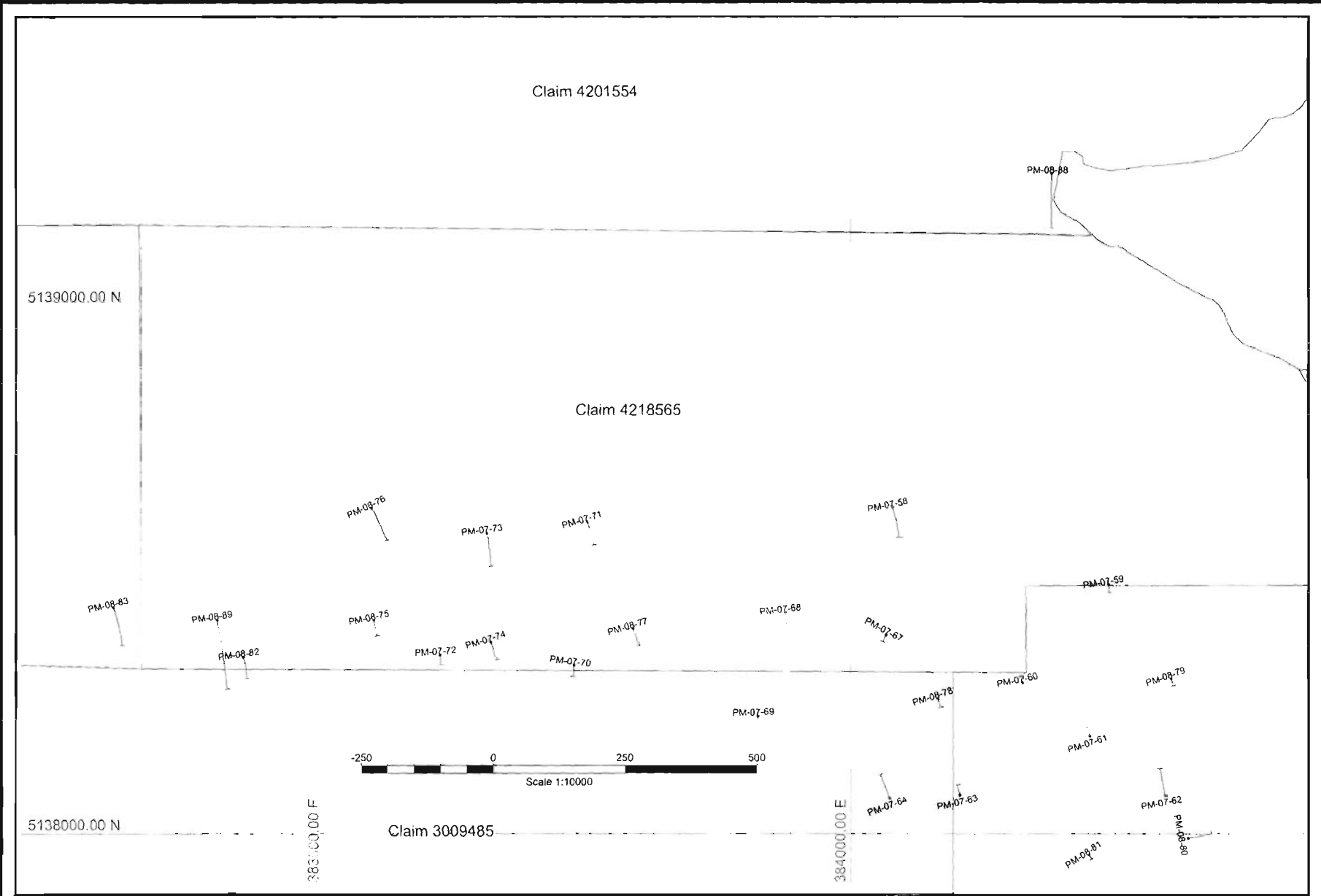
Township Joubin  
 Claim contours (2)



Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Planview

Township Joubin  
 Claim contours (3)



Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Planview

Township Joubin  
 Claim contours (4)

# Legend:

Topography



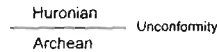
Collar



Drillhole trace

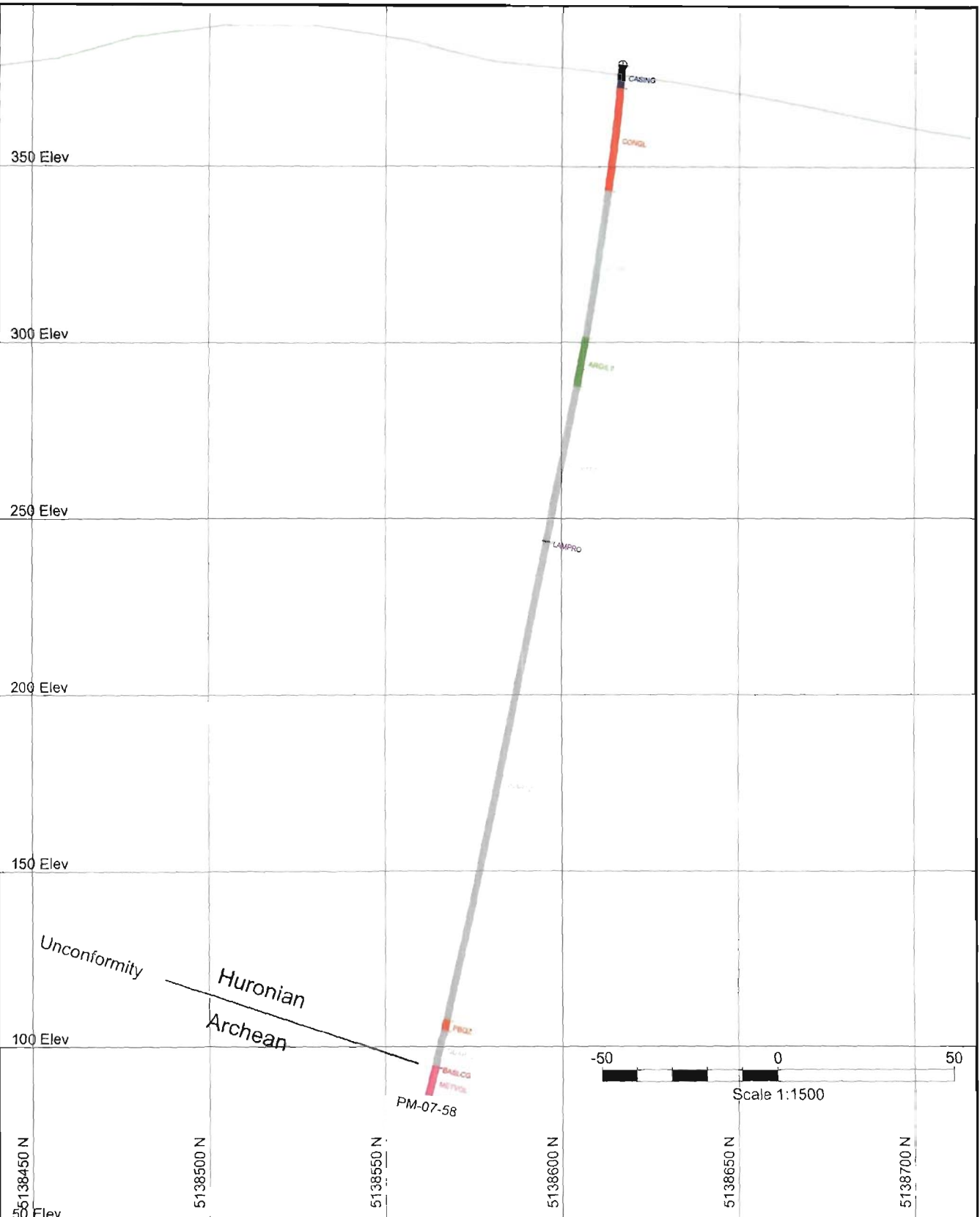


Stratigraphy



Lithology

QZPBCG		Quartz pebble conglomerate
BASLCG		Basal conglomerate
PBQZ		Pebble quartzite
QUARTZ		Quartzite
ARKOSE		Arkose
QZGRIT		Quartzite grit
GWGRIT		Greywake grit
GREYWK		Greywake
METVOL		Metavolcanic
CASING		Casing
DYKE		Dyke
METSED		Metasediment
SCHIST		Schist
ARGILT		Argillite
OVBURD		Overburden
REGLTH		Regolith
GABBRO		Gabbro
LAMPRO		Lamprophyre
DIABAS		Diabase
QZVEIN		Quartz vein
QFVEIN		Quartz and feldspar vein
PYVEIN		Pyrite vein
FAULTZ		Fault zone
ARGIQZ		Argillaceous quartzite
ARGICG		Argillaceous conglomerate
SYENIT		Syenite
CONGL		Conglomerate



Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 384125E  
 Drillhole: PM-07-58

Looking  
 WEST

Township Joubin  
 Claim 4218565

400 Elev

350 Elev

300 Elev

250 Elev

200 Elev

150 Elev

100 Elev

5138350 N

5138400 N

5138450 N

5138500 N

5138550 N

CASING

FAULTZ

PROZ

SHWELL

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

PROZ

Unconformity

Huronian

Archean

PM-07-59

-50 0 50

Scale 1:1500

Company: Pele Mountain  
Project: Elliot Lake  
Date: Oct 2007 - Jun 2008

Section 384500E  
Drillhole: PM-07-59

Looking  
WEST

Township Joubin  
Claim 4218565



400 Elev

350 Elev

300 Elev

250 Elev

200 Elev

150 Elev

5138100 N

5138150 N

5138200 N

5138250 N

5138300 N

5138350 N

100 Elev

Unconformity

Huronian  
Archean

CASING

PM-07-60

-50 0 50

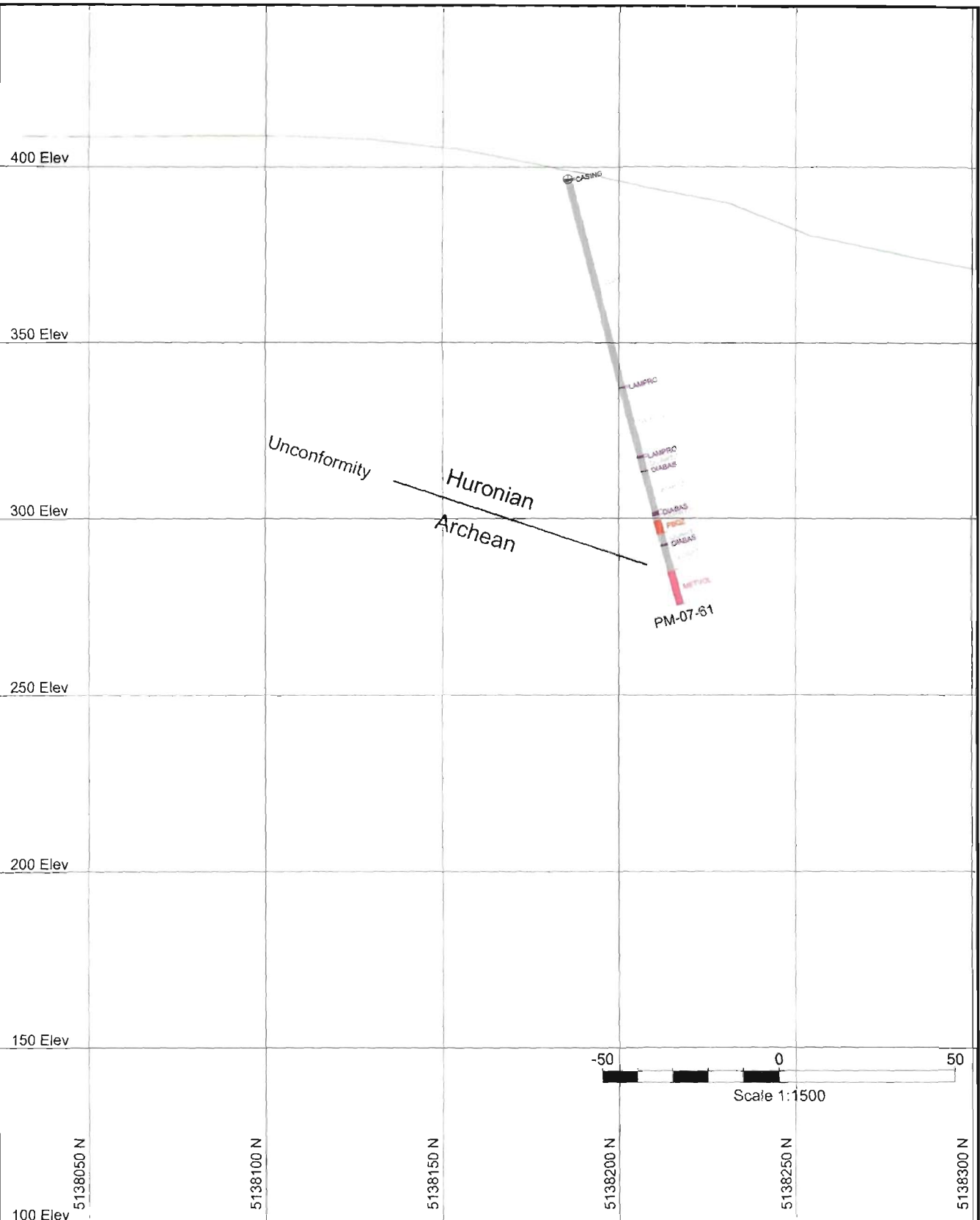
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Company: Pele Mountain  
Project: Elliot Lake  
Date: Oct 2007 - Jun 2008

Section 384375E  
Drillhole: PM-07-60

Looking  
WEST

Township Joubin  
Claim 4218566

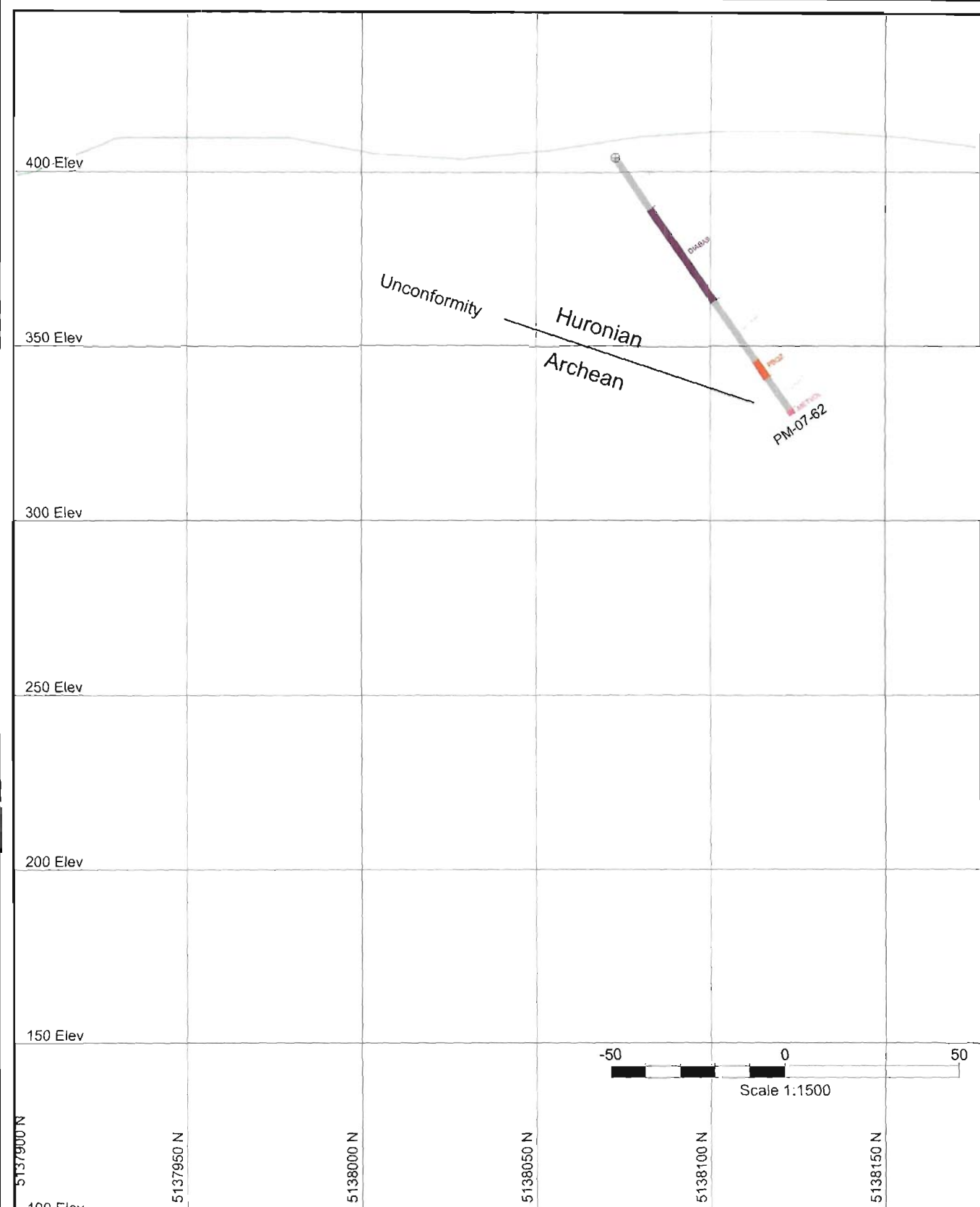


Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

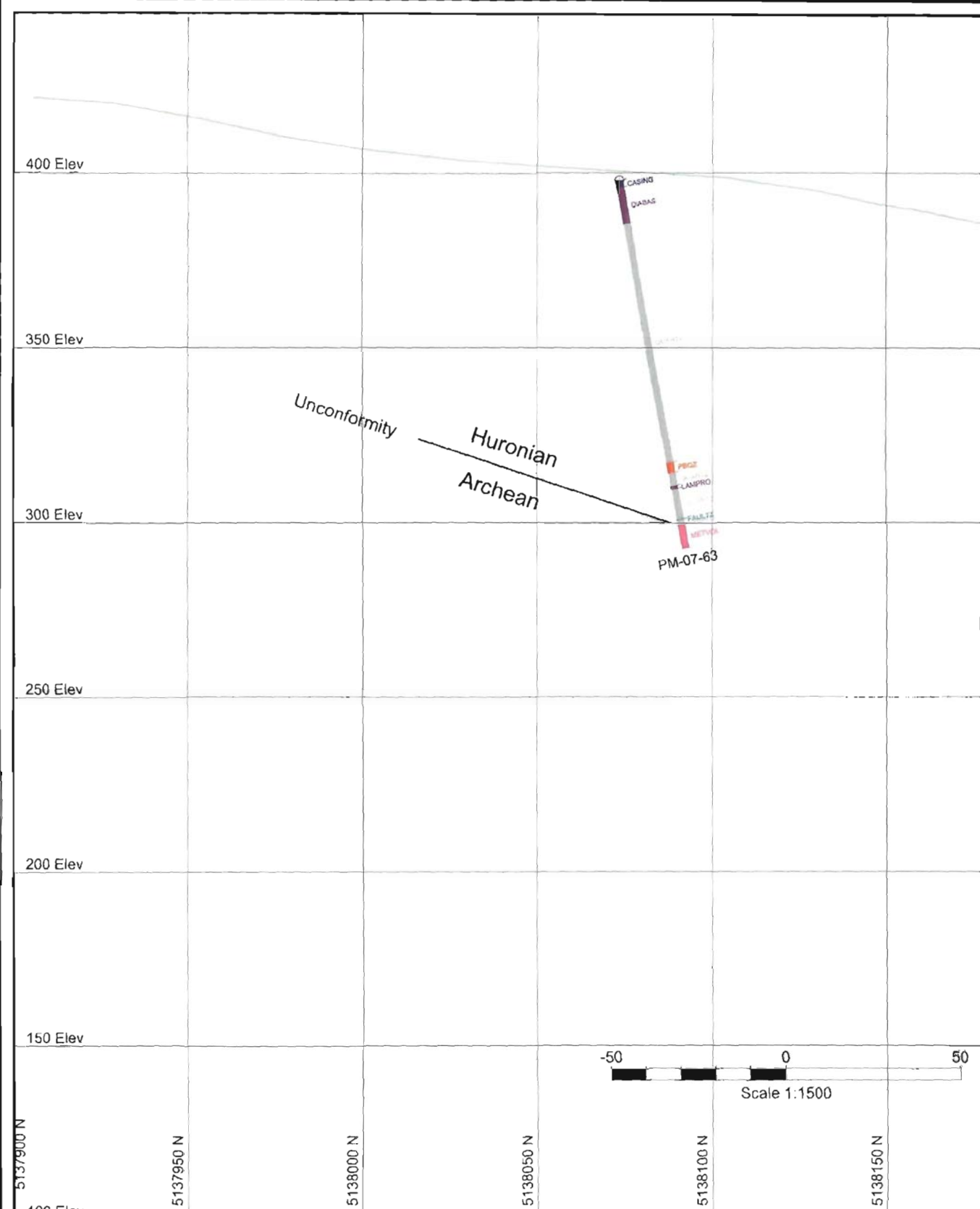
Section 384500E  
 Drillhole: PM-07-61

Looking  
 WEST

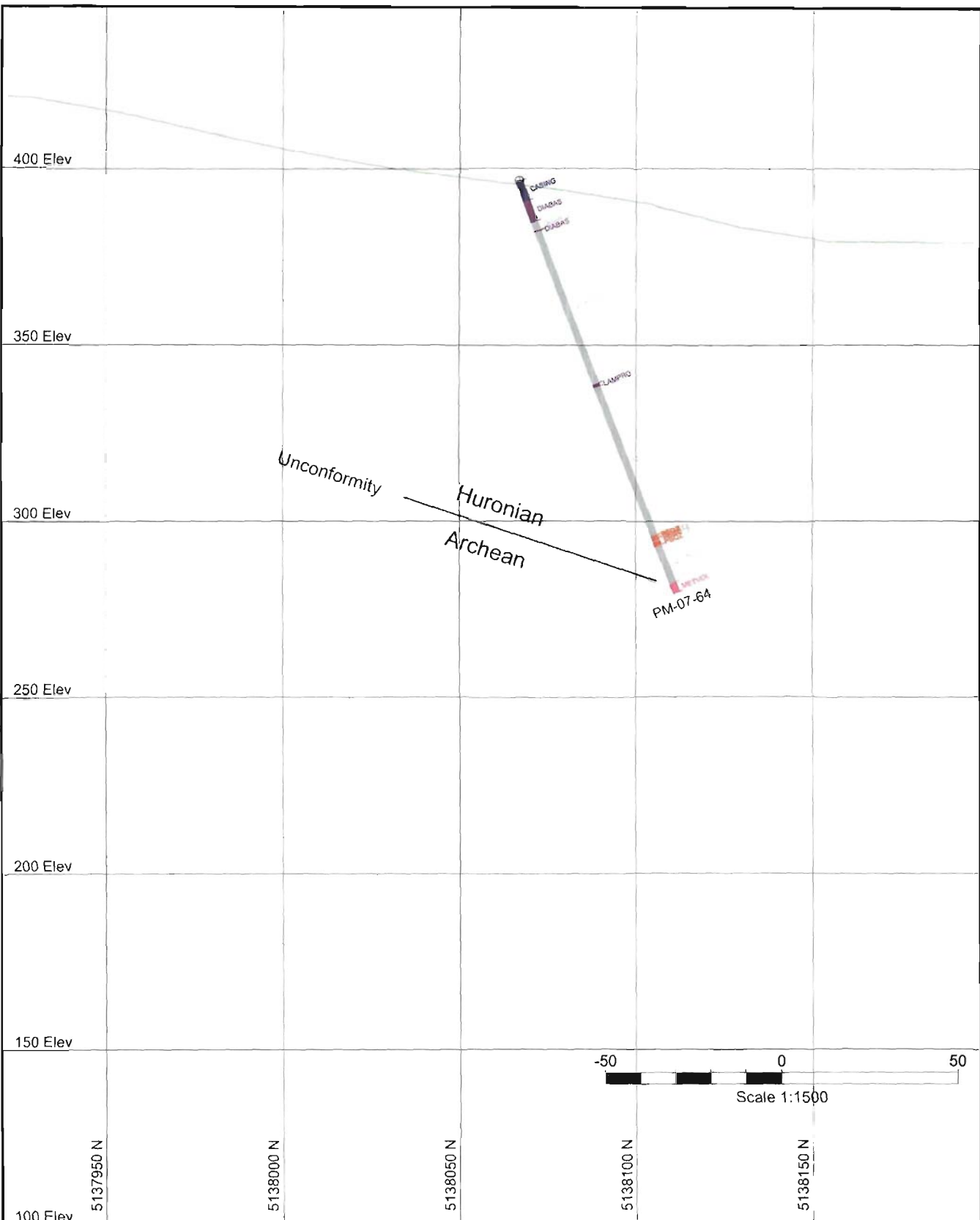
Township Joubin  
 Claim 4218566



Company: Pele Mountain Project: Elliot Lake Date: Oct 2007 - Jun 2008	Section 384600E Drillhole: PM-07-62	Looking WEST	Township Joubin Claim 4218566
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Company: Pele Mountain Project: Elliot Lake Date: Oct 2007 - Jun 2008	Section 384250E Drillhole: PM-07-63	Looking WEST	Township Joubin Claim 4218566
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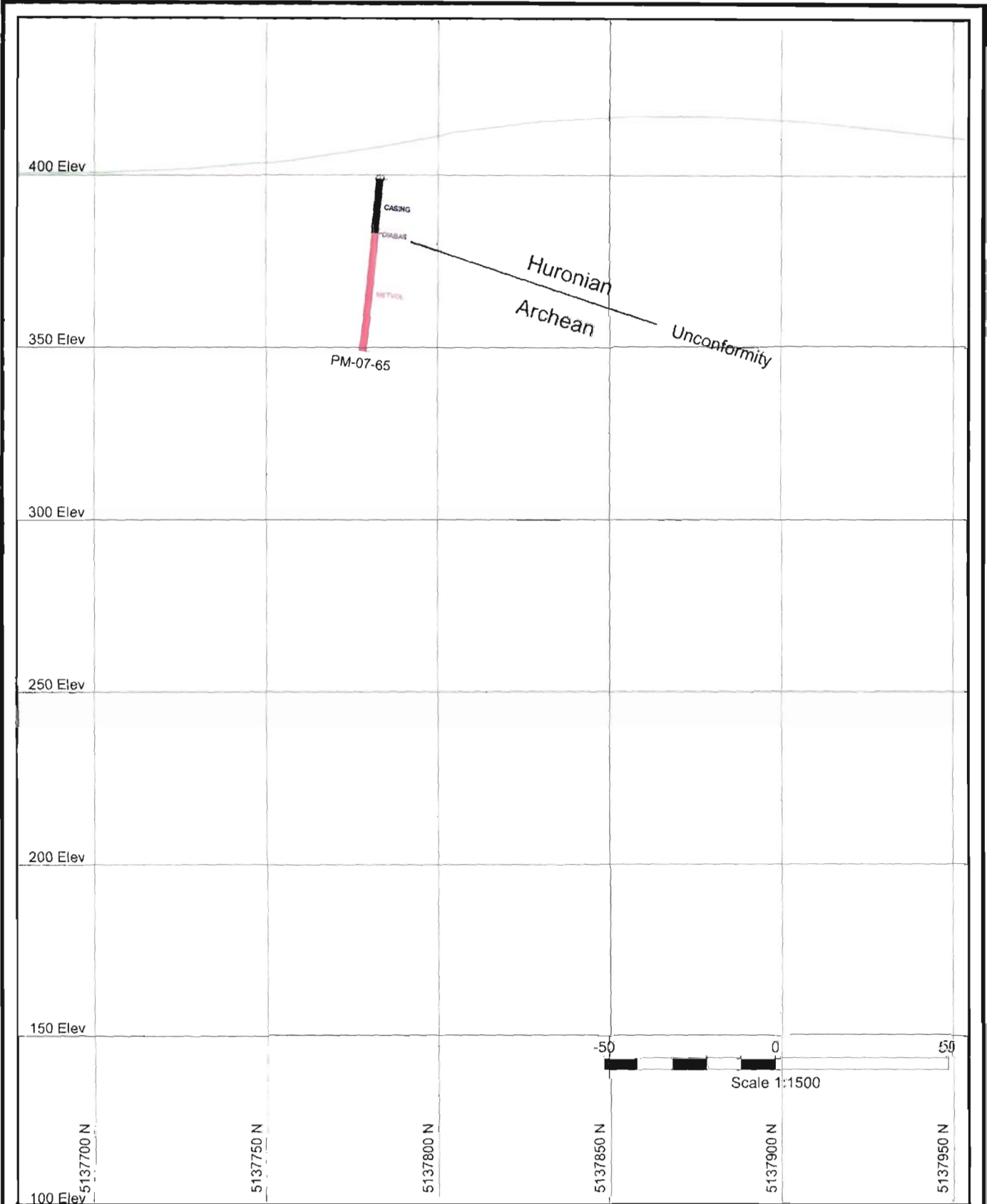


Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 384125E  
 Drillhole: PM-07-64

Looking  
 WEST

Township Joubin  
 Claim 3009485

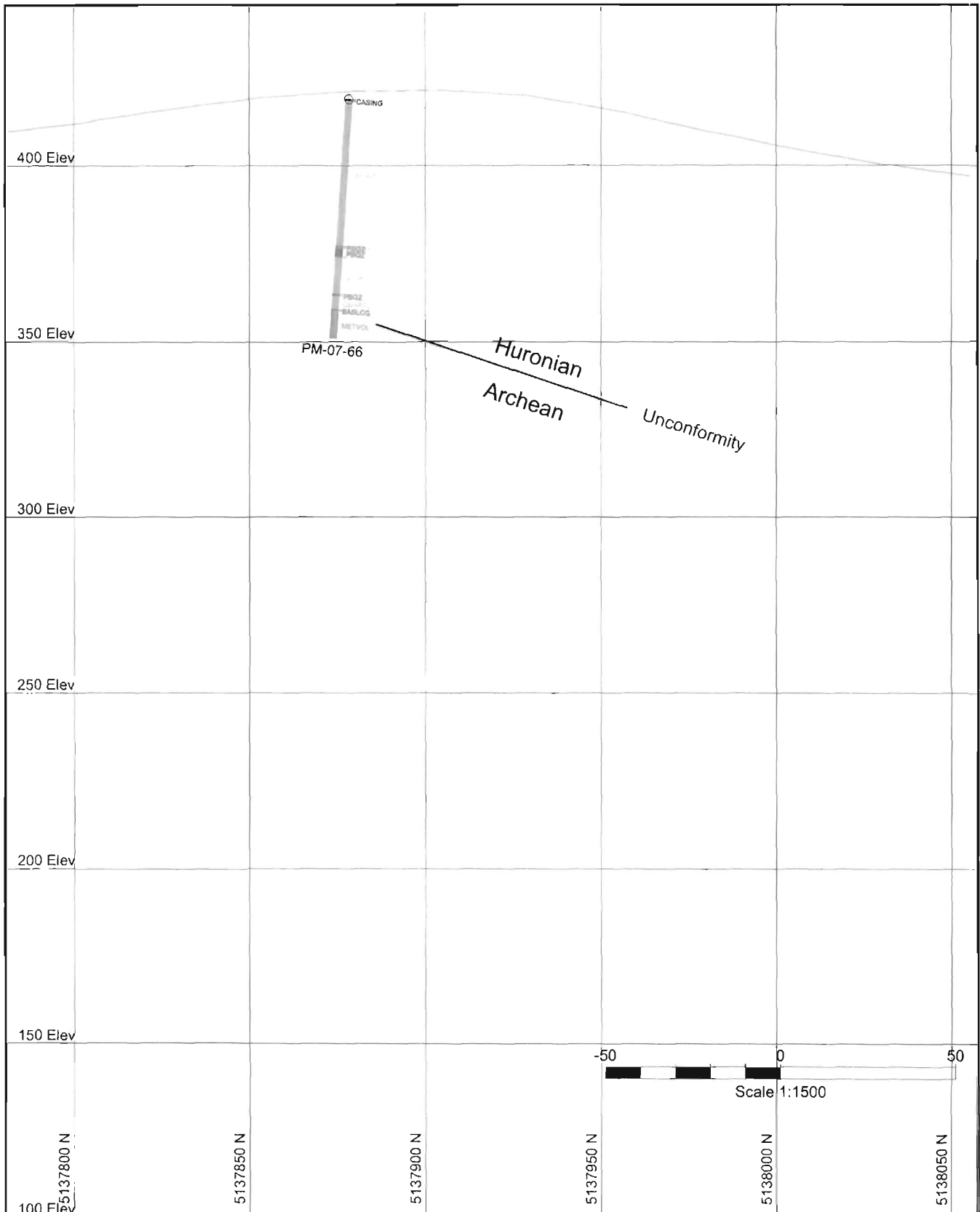


Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 384000E  
 Drillhole: PM-07-65

Looking  
 WEST

Township Joubin  
 Claim 3009485

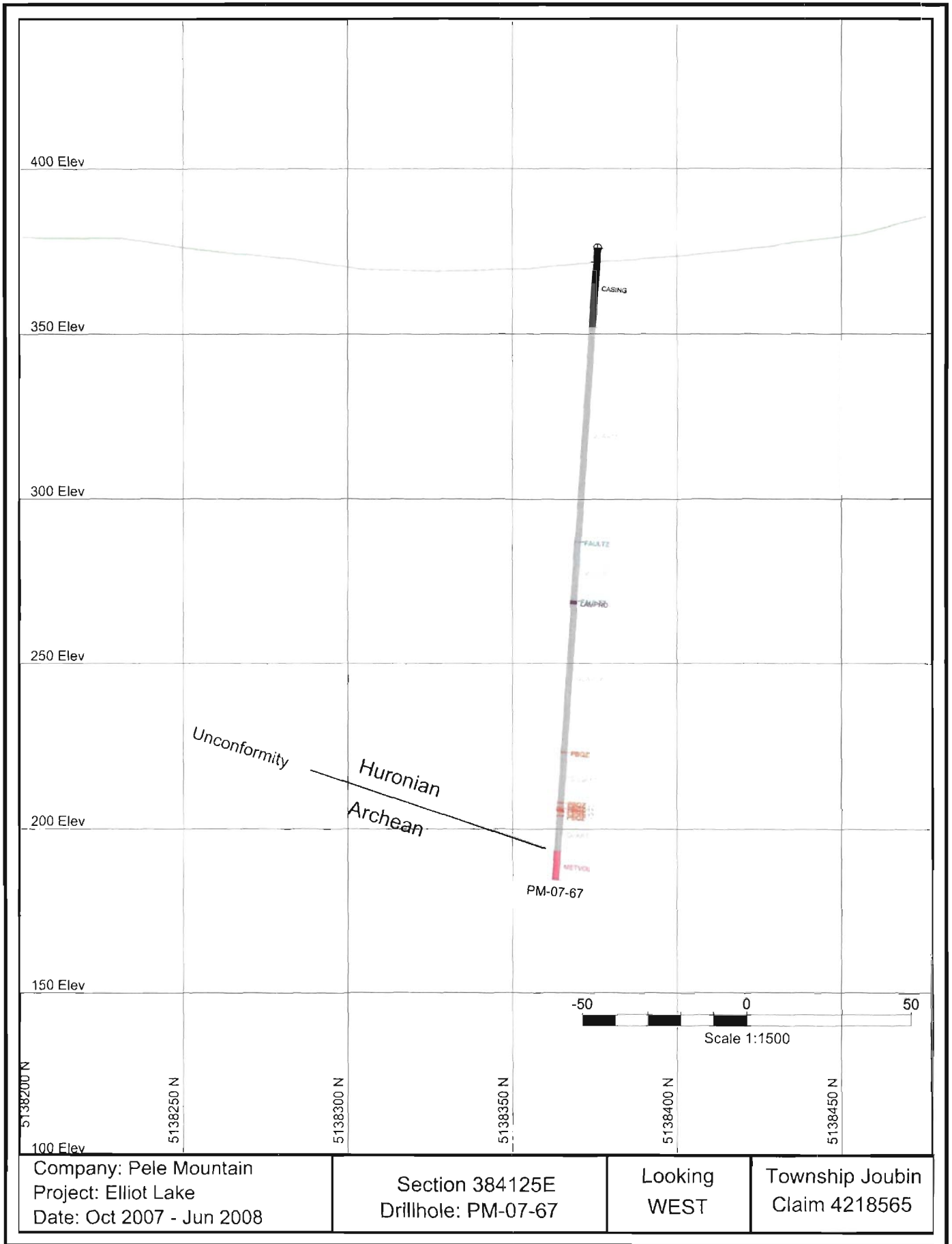


Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 384125E  
 Drillhole: PM-07-66

Looking  
 WEST

Township Joubin  
 Claim 3009485





400 Elev

350 Elev

300 Elev

250 Elev

200 Elev

150 Elev

100 Elev

CASING

DYKE

DYKE

PM-07-68

Unconformity

Huronian

Archean



Scale 1:1500

5138250 N

5138300 N

5138350 N

5138400 N

5138450 N

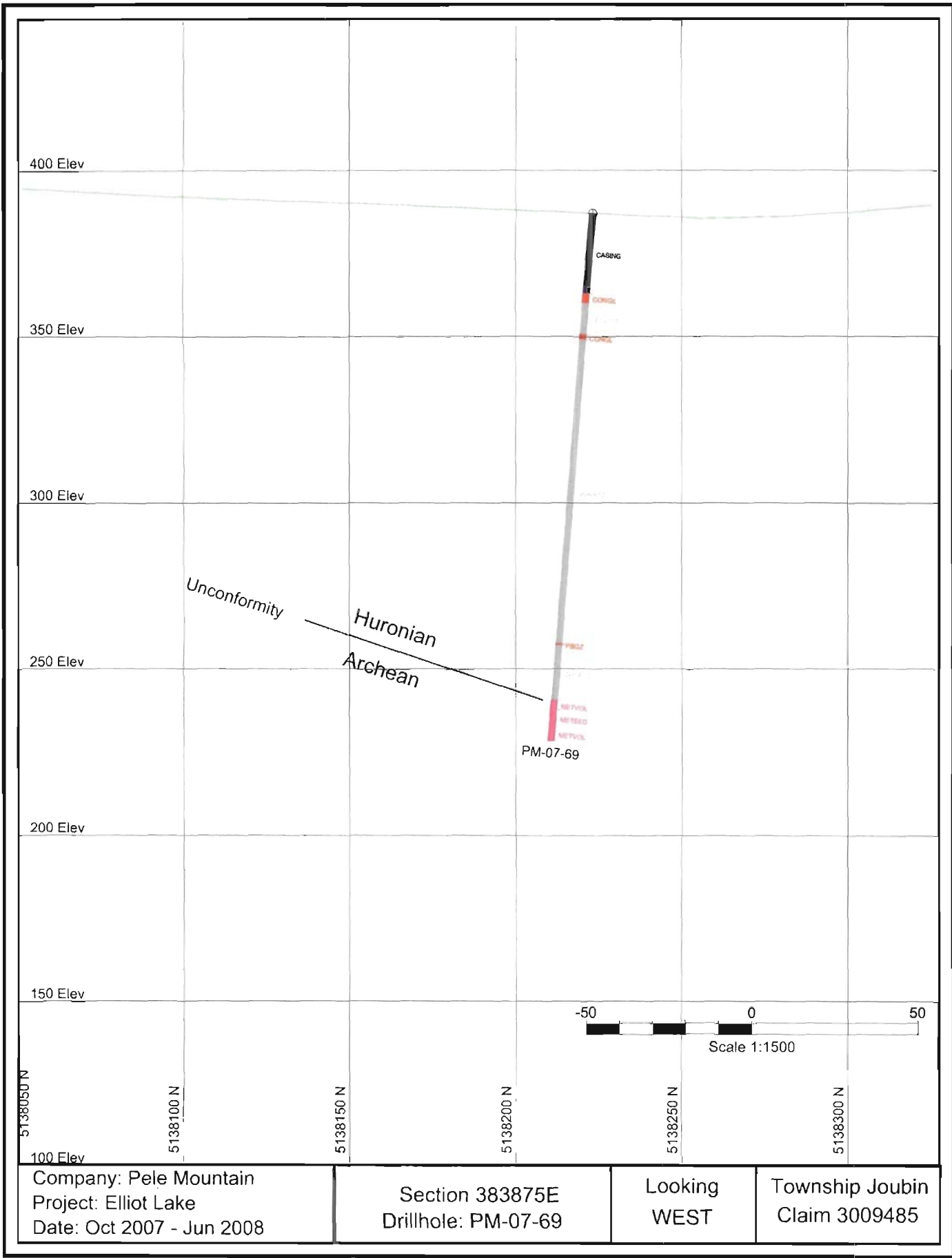
5138500 N

Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 383875E  
 Drillhole: PM-07-68

Looking  
 WEST

Township Joubin  
 Claim 4218565



400 Elev

350 Elev

300 Elev

250 Elev

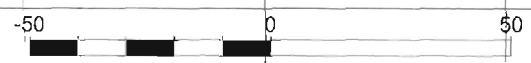
200 Elev

150 Elev

100 Elev

Unconformity  
Huronian  
Archean

PM-07-70



Scale 1:1500

5138150 N

5138200 N

5138250 N

5138300 N

5138350 N

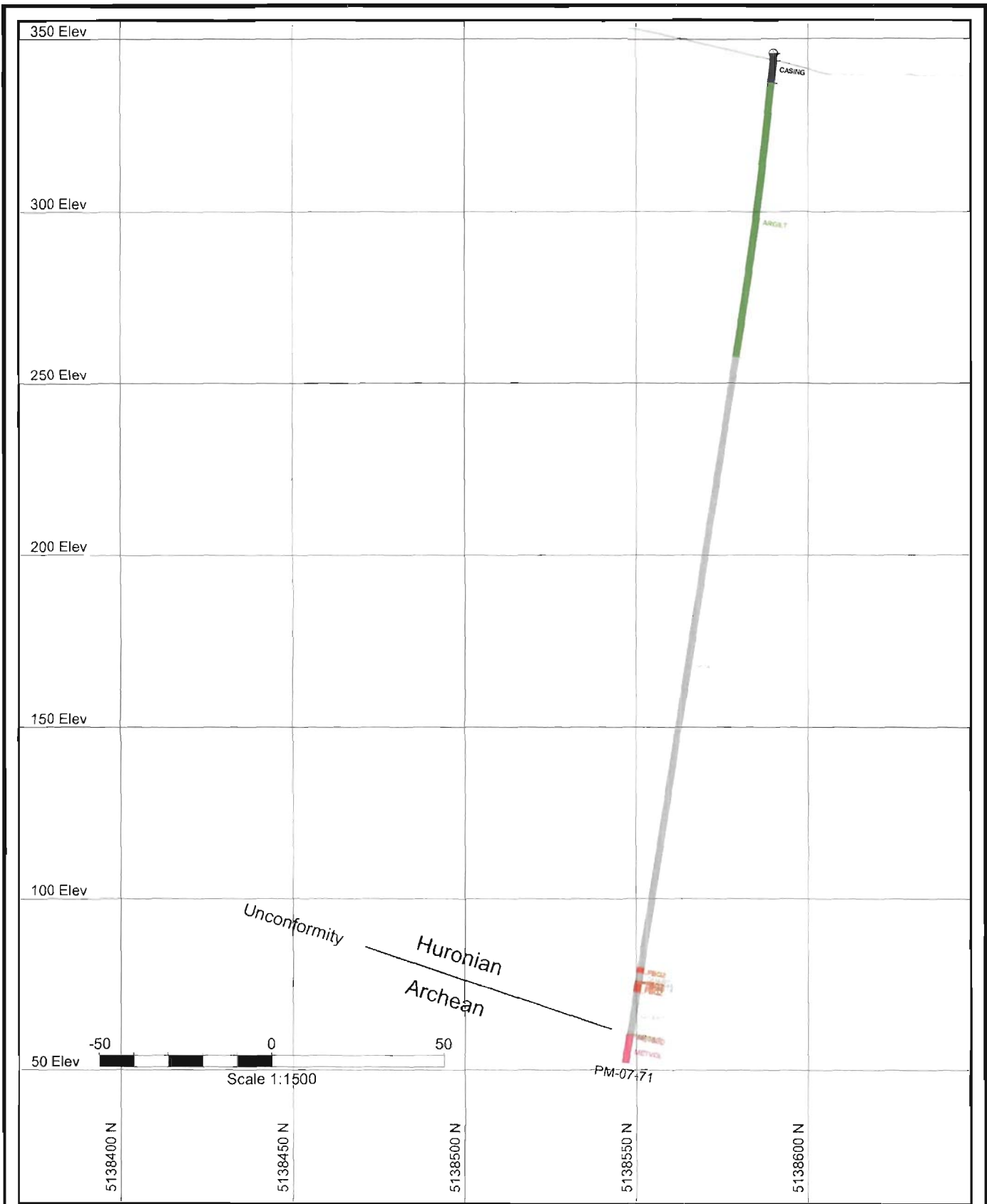
5138400 N

Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 383500E  
 Drillhole: PM-07-70

Looking  
 WEST

Township Joubin  
 Claim 4218565

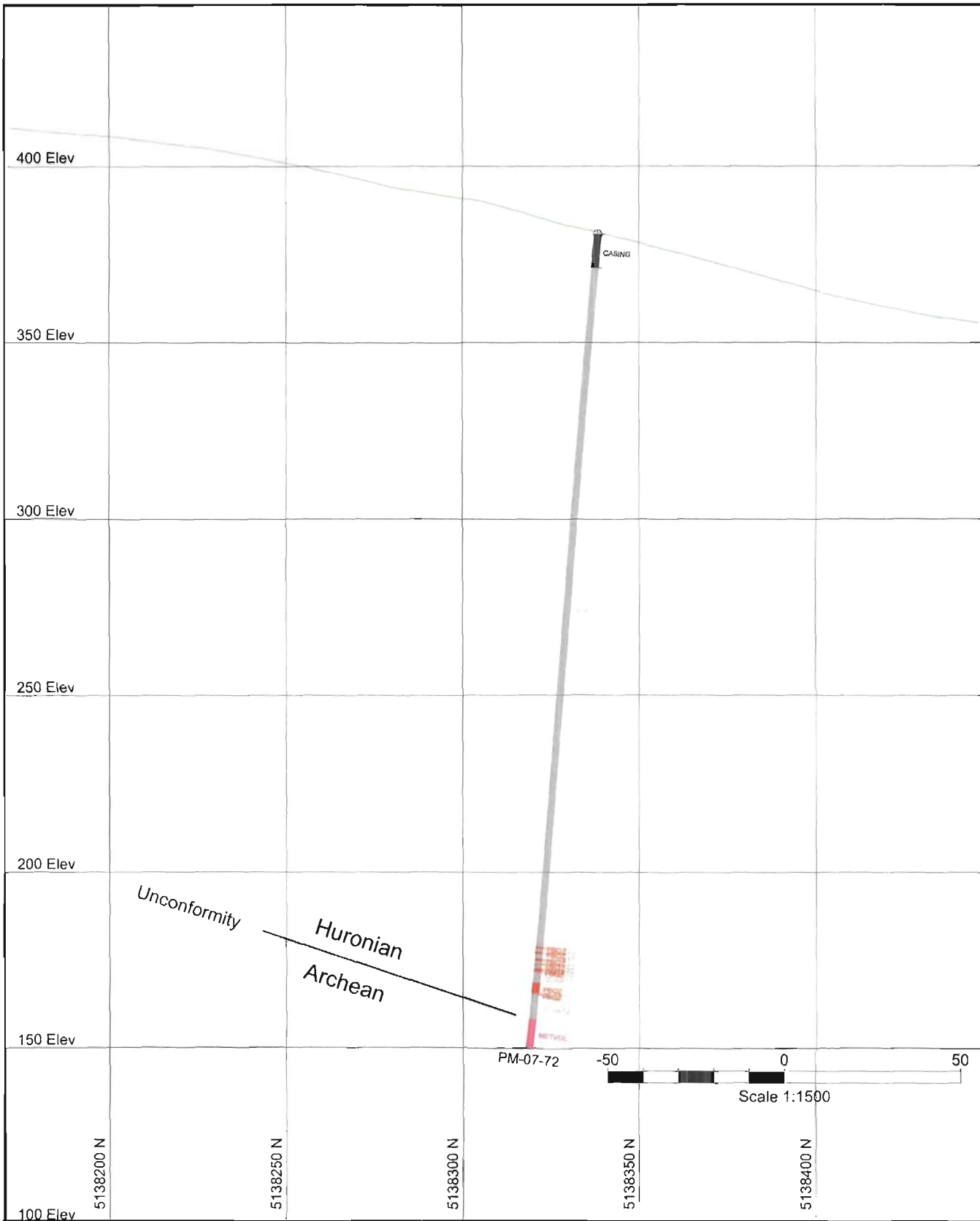


Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 383500E  
 Drillhole: PM-07-71

Looking  
 WEST

Township Joubin  
 Claim 4218565

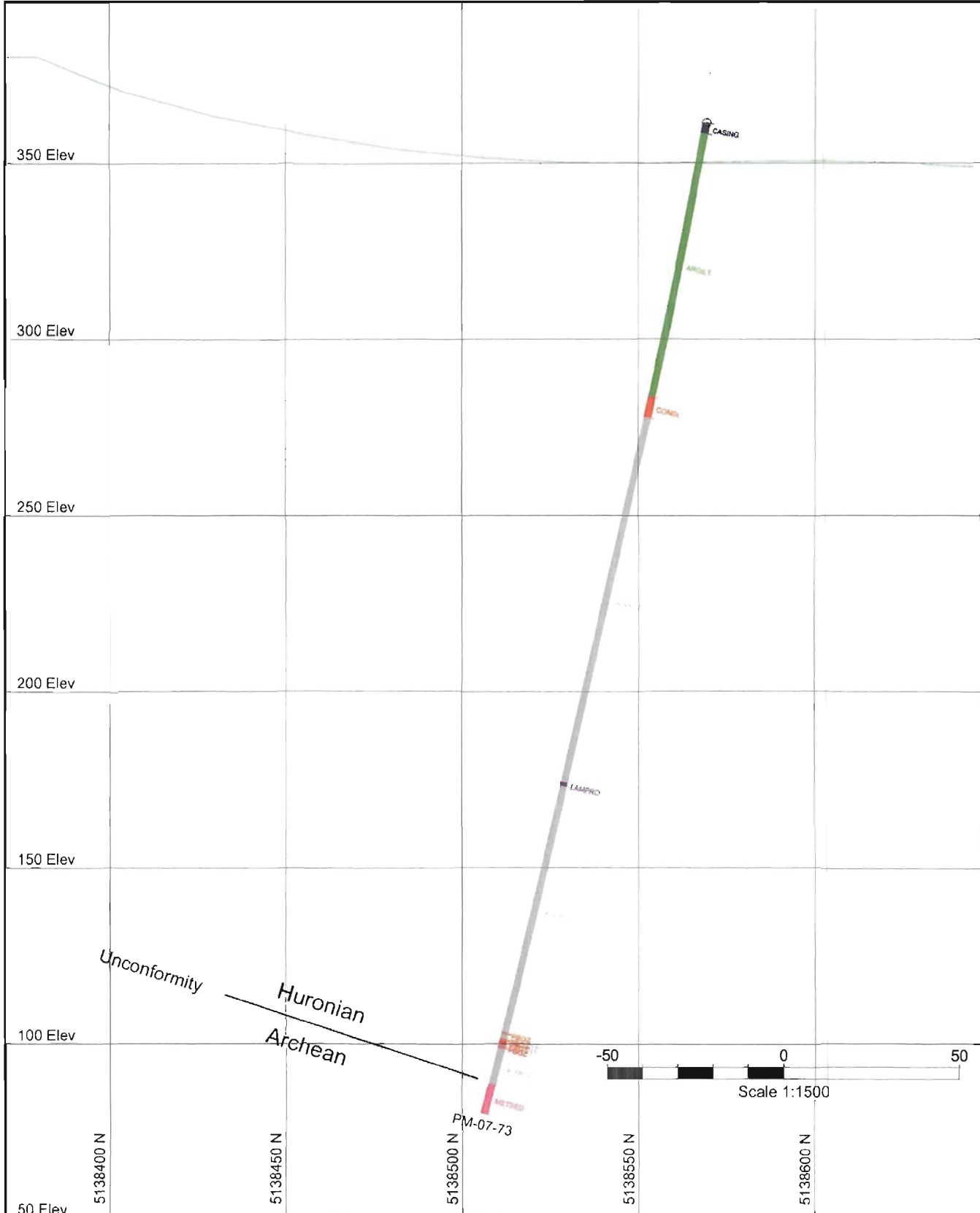


Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 383250E  
 Drillhole: PM-07-72

Looking  
 WEST

Township Joubin  
 Claim 4218565

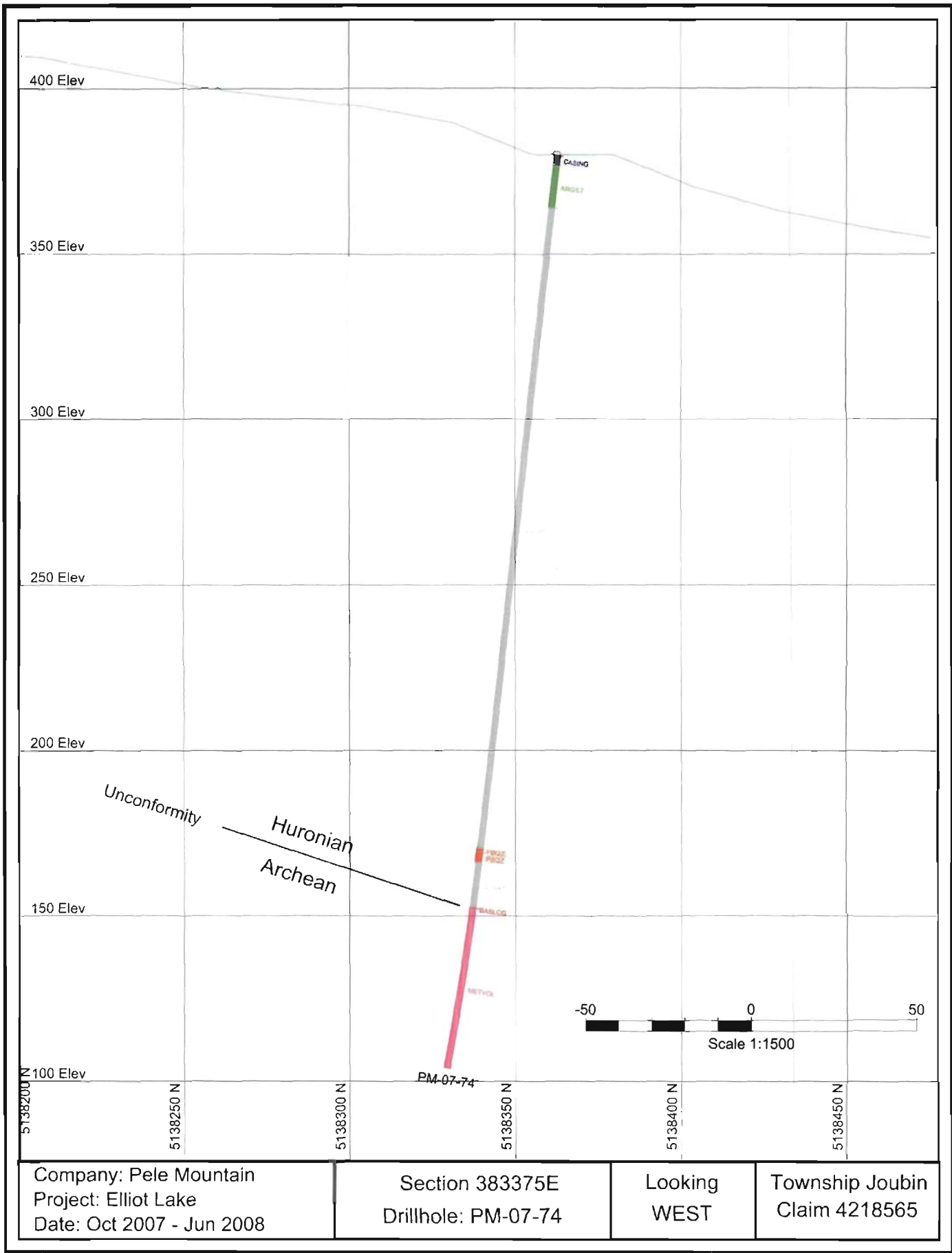


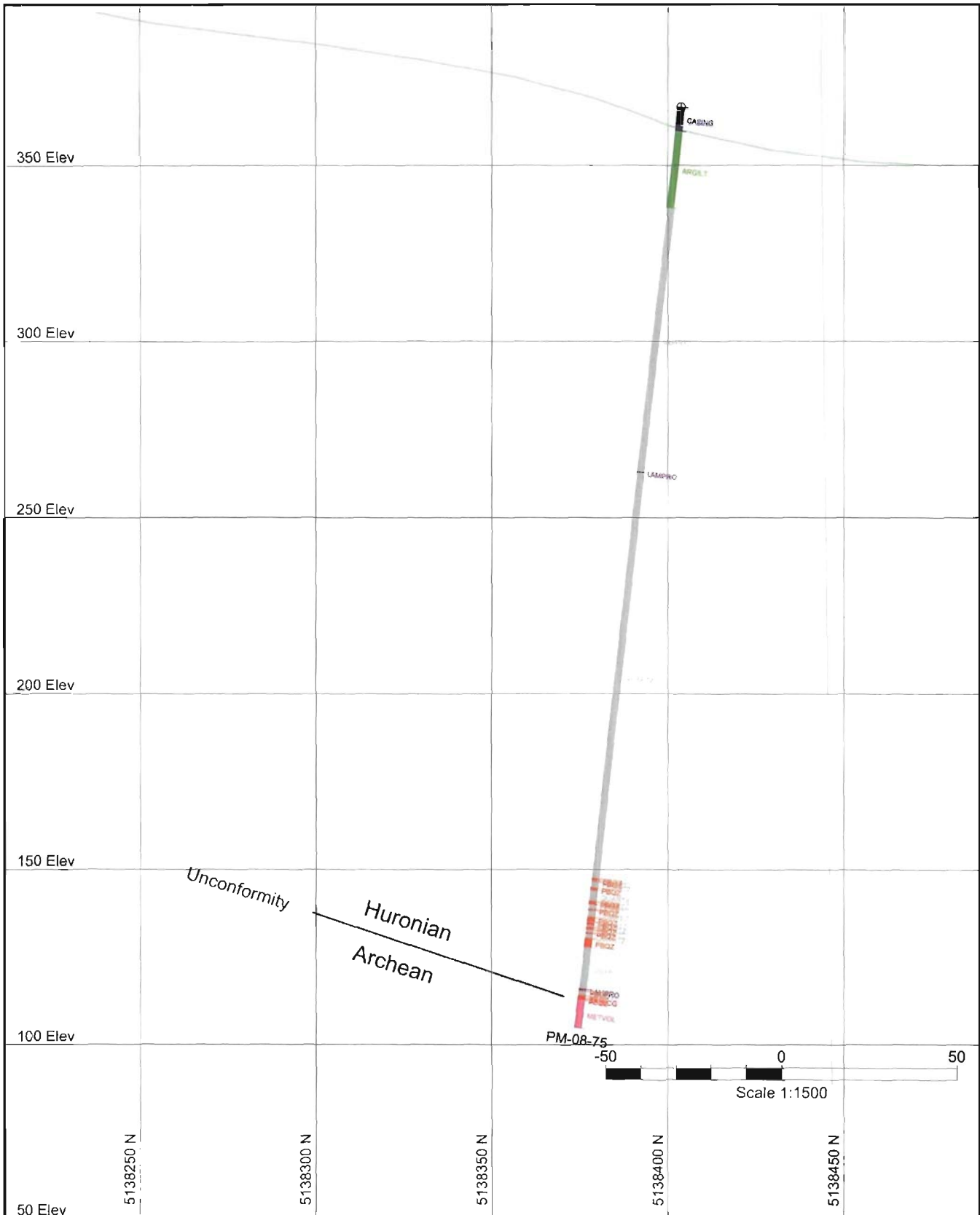
Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 383375E  
 Drillhole: PM-07-73

Looking  
 WEST

Township Joubin  
 Claim 4218565





Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

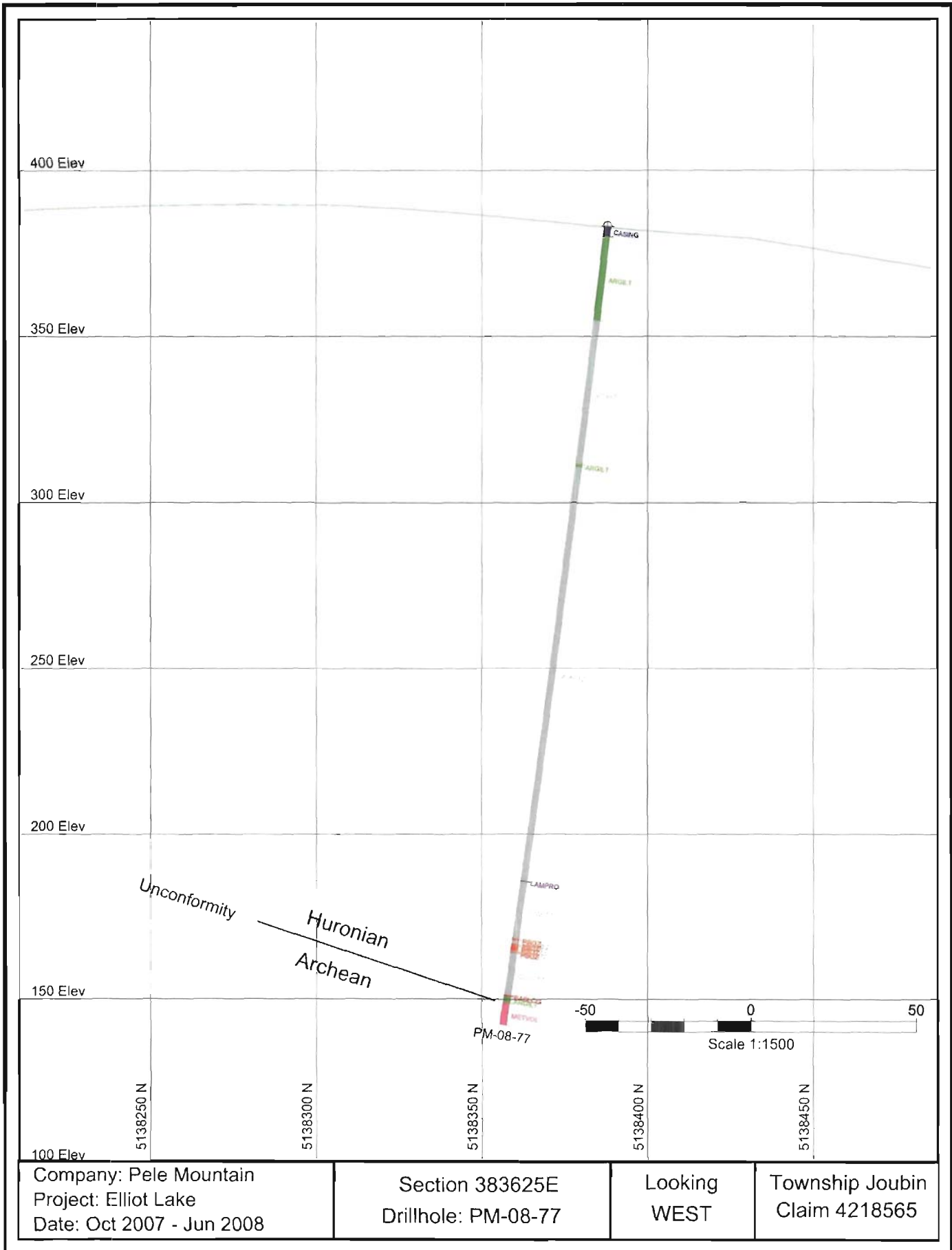
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 Drillhole: PM-08-75

Looking  
 WEST

Township Joubin  
 Claim 4218565





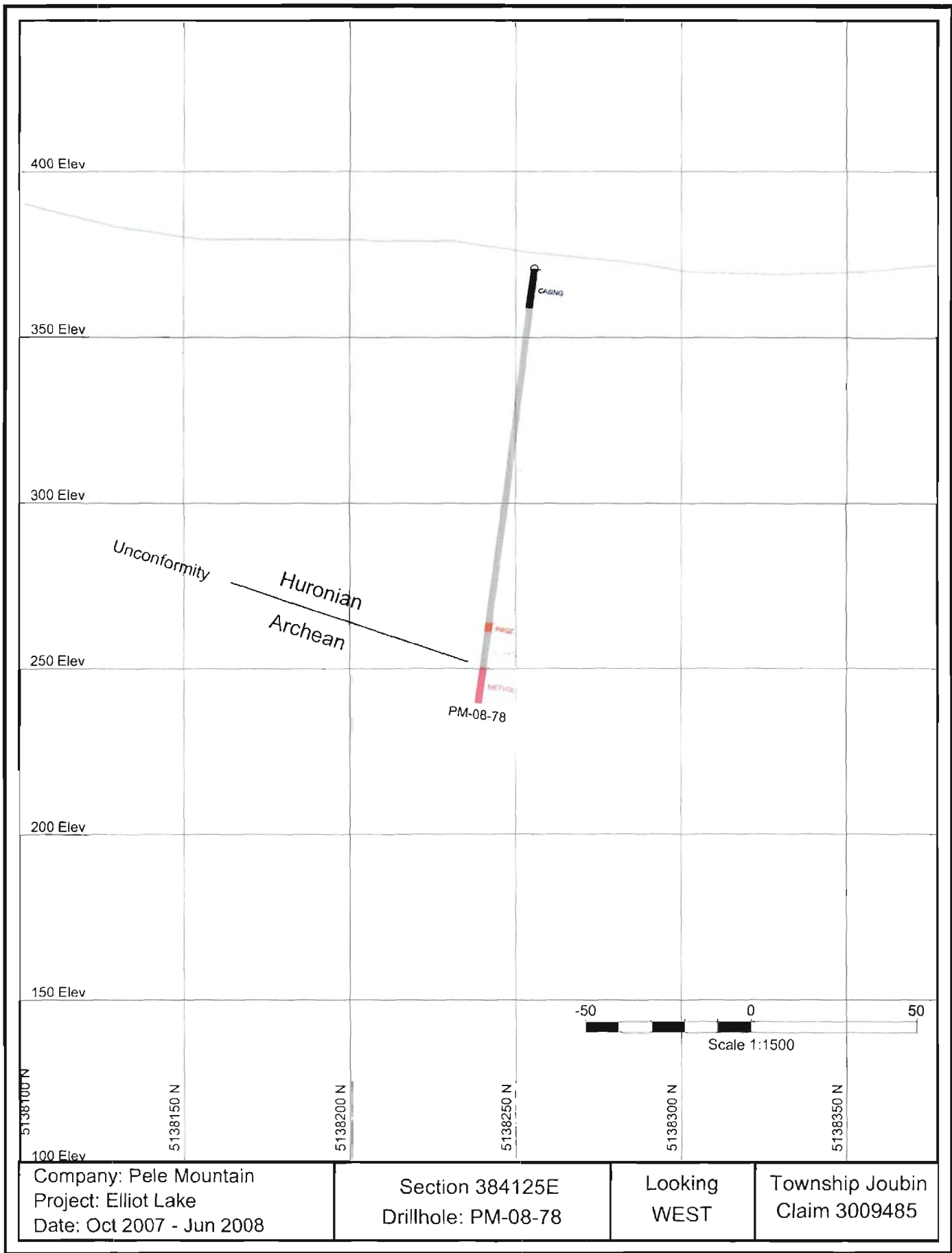


Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 383625E  
 Drillhole: PM-08-77

Looking  
 WEST

Township Joubin  
 Claim 4218565

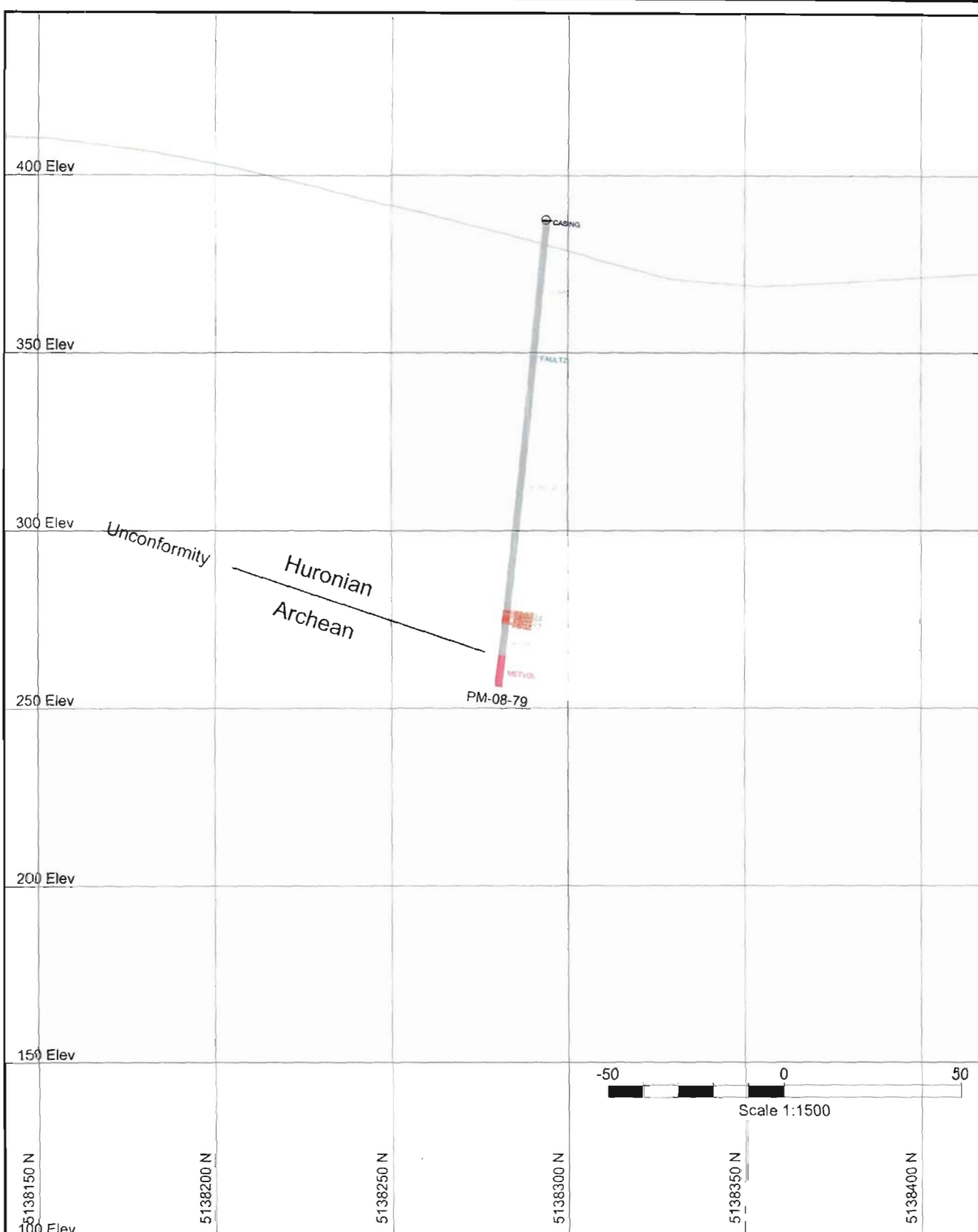


Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 384125E  
 Drillhole: PM-08-78

Looking  
 WEST

Township Joubin  
 Claim 3009485

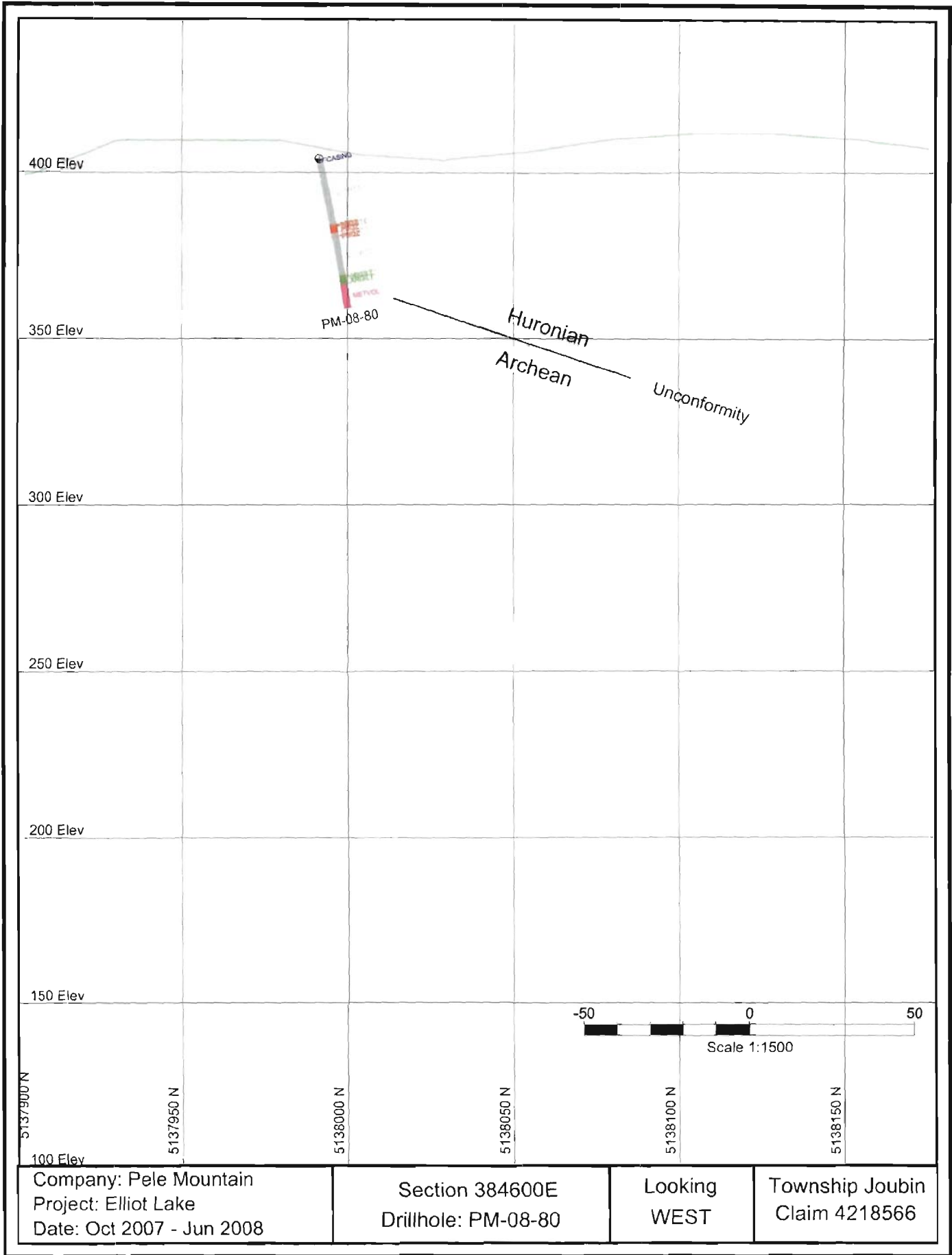


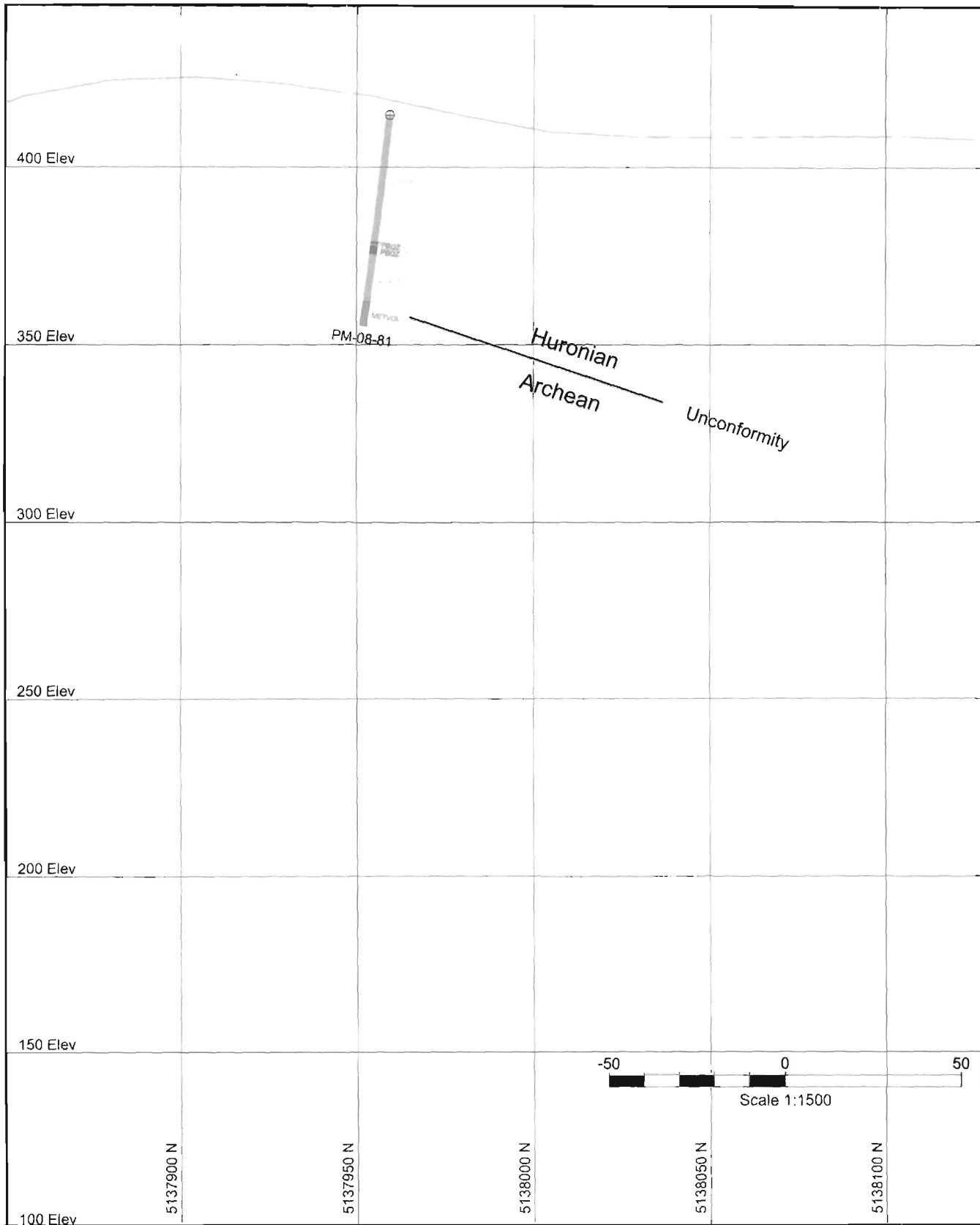
Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 384600E  
 Drillhole: PM-08-79

Looking  
 WEST

Township Joubin  
 Claim 4218566



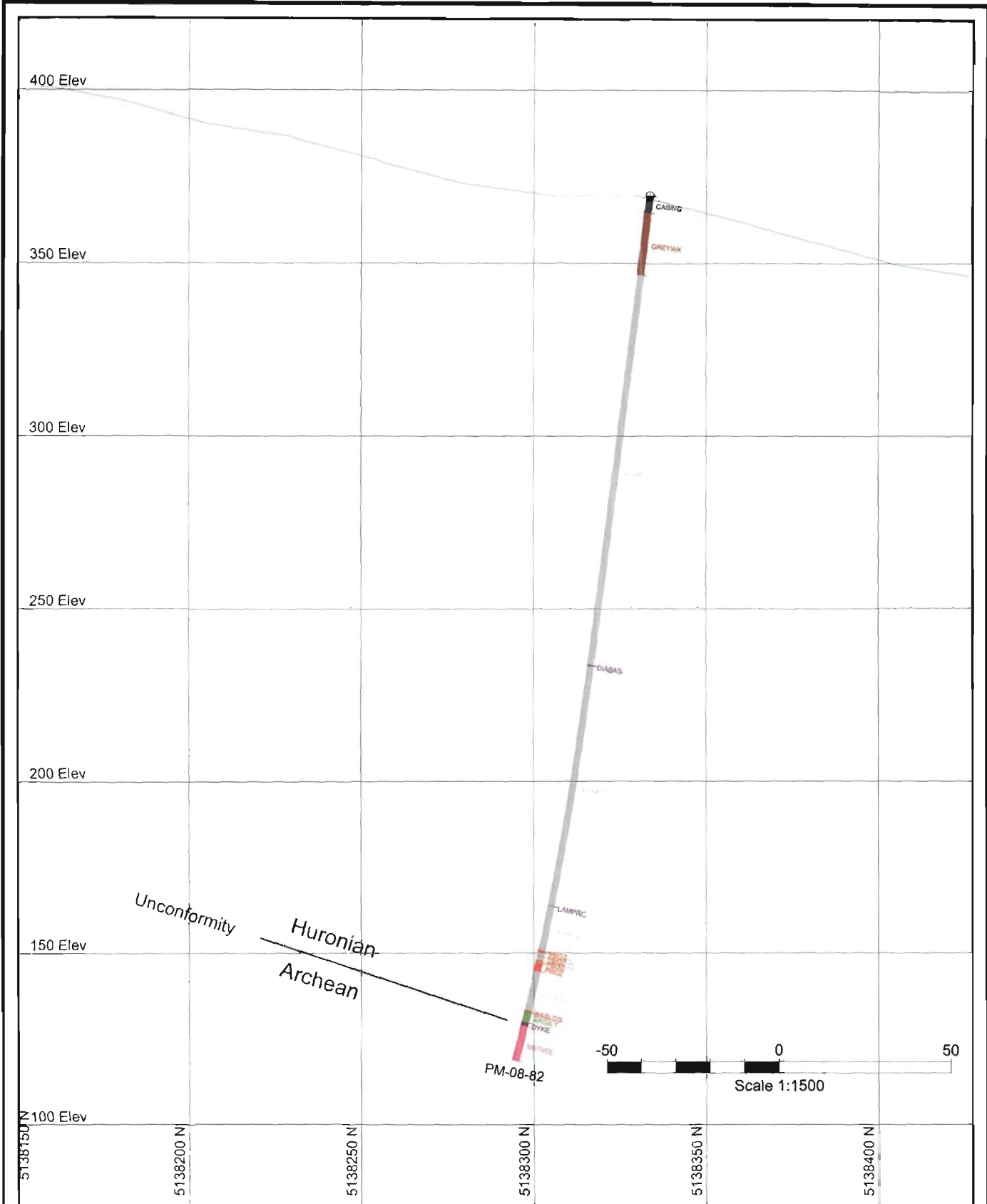


Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 384500E  
 Drillhole: PM-08-81

Looking  
 WEST

Township Joubin  
 Claim 4218566

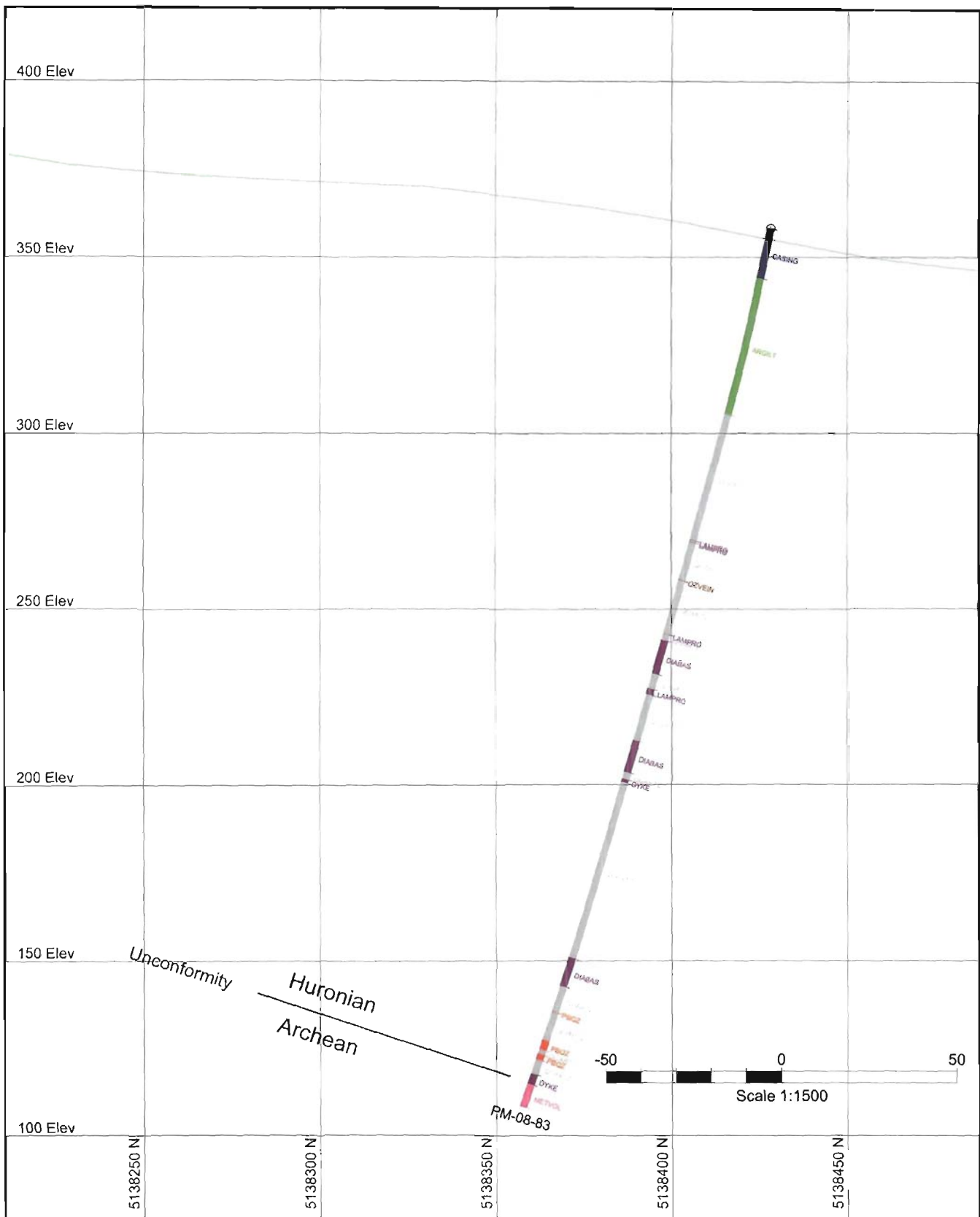


Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 382875E  
 Drillhole: PM-08-82

Looking  
 WEST

Township Joubin  
 Claim 4218565



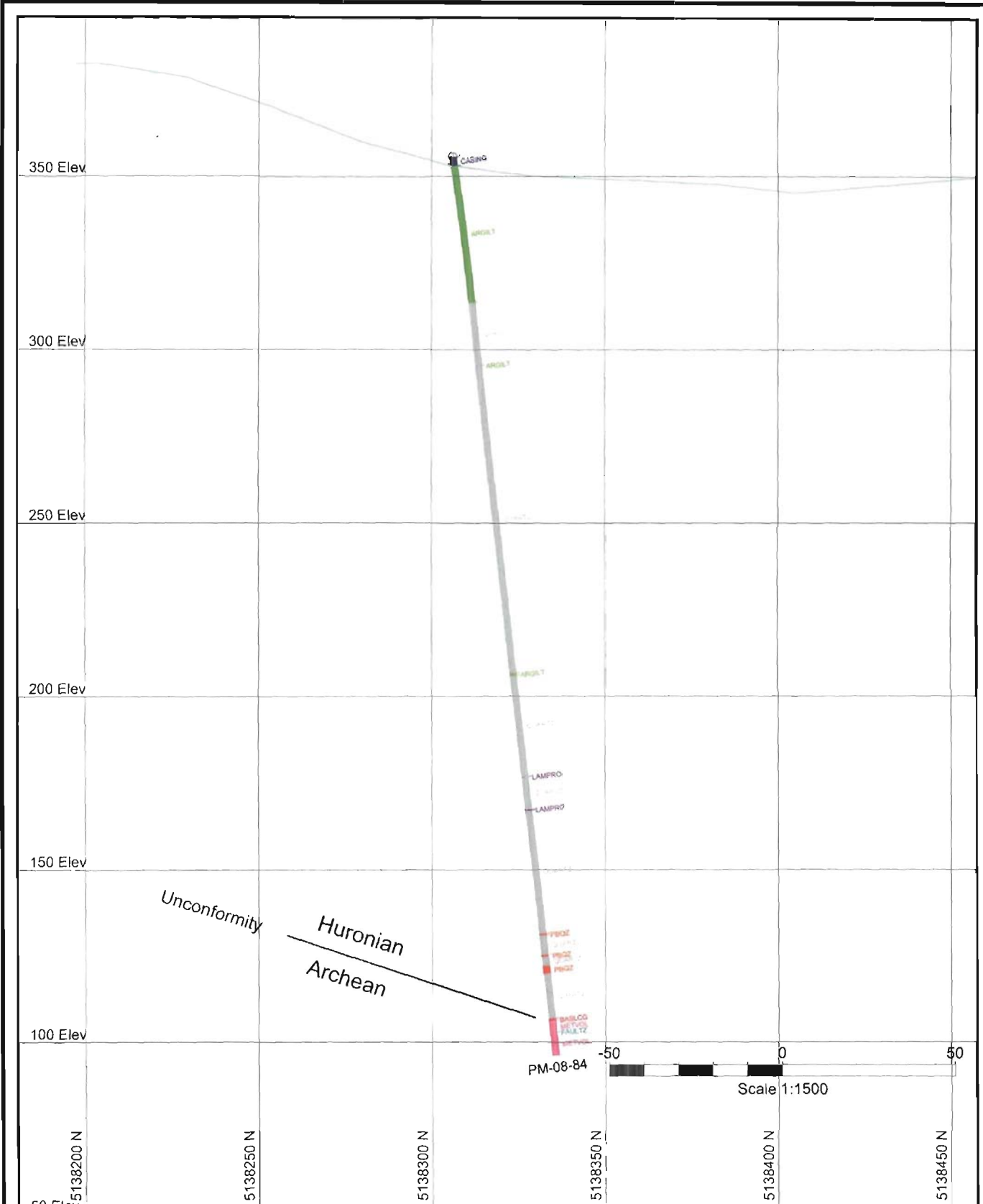
Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 382625E  
 Drillhole: PM-08-83

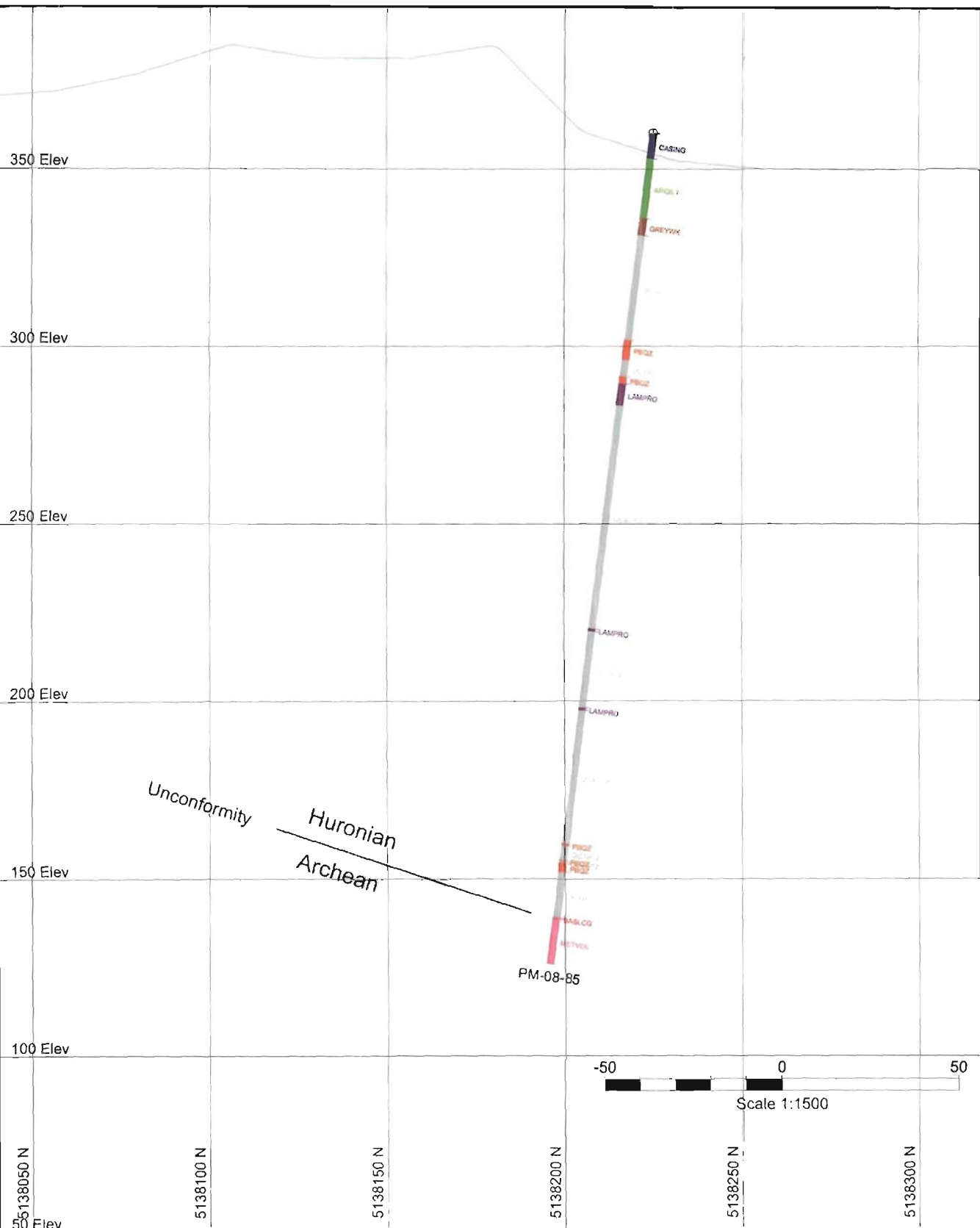
Looking  
 WEST

Township Joubin  
 Claim 3009474





Company: Pele Mountain Project: Elliot Lake Date: Oct 2007 - Jun 2008	Section 382250E Drillhole: PM-08-84	Looking WEST	Township Joubin Claim 3009485
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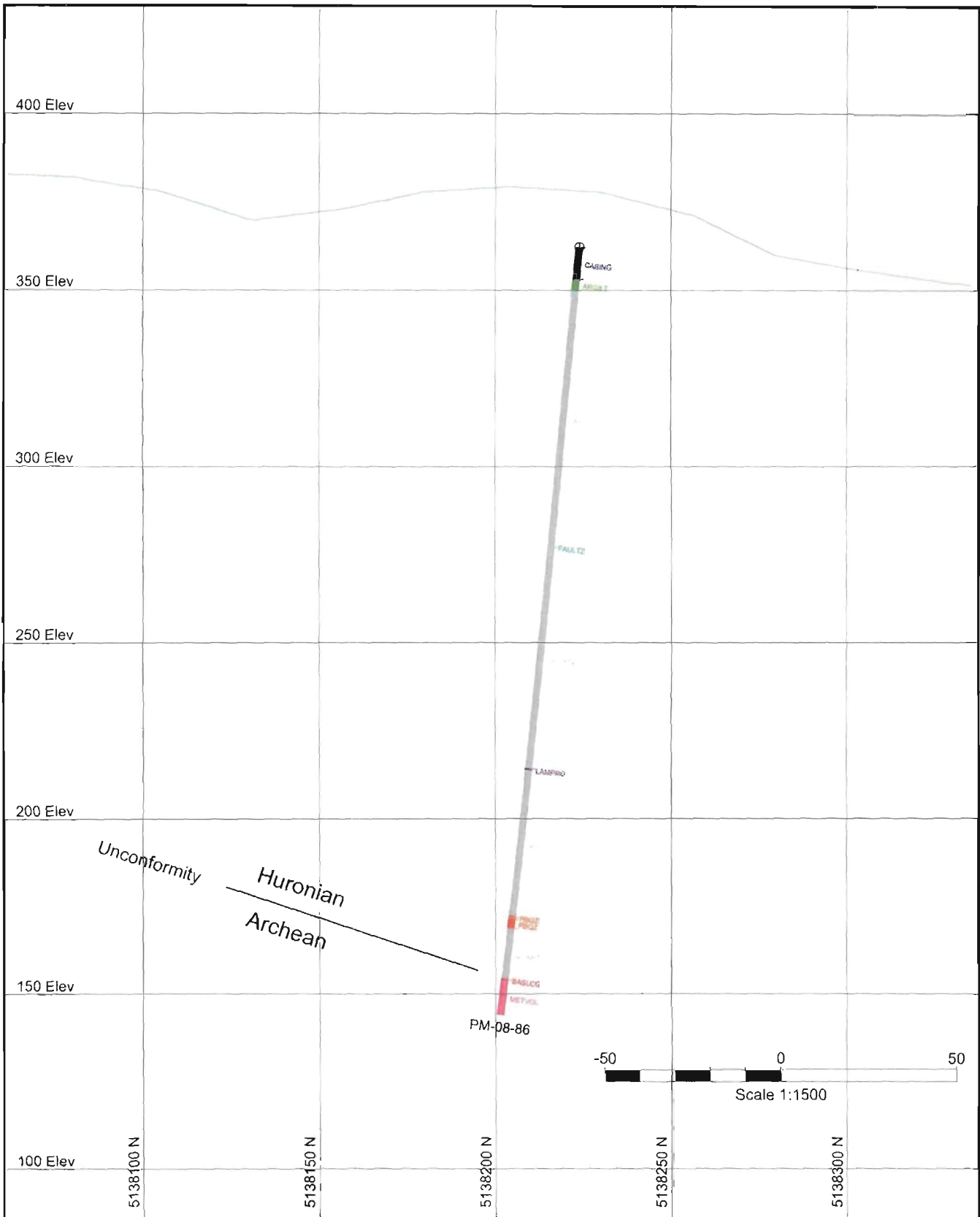


Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 382125E  
 Drillhole: PM-08-85

Looking  
 WEST

Township Joubin  
 Claim 3009465



Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 382375E  
 Drillhole: PM-08-86

Looking  
 WEST

Township Joubin  
 Claim 3009485

400 Elev

350 Elev

300 Elev

250 Elev

200 Elev

150 Elev

100 Elev

5138050 N

5138100 N

5138150 N

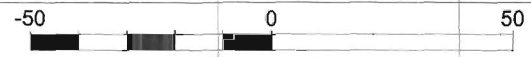
5138200 N

5138250 N

5138300 N



Unconformity  
 Huronian  
 Archean



Scale 1:1500

PM-08-87

Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 382250E  
 Drillhole: PM-08-87

Looking  
 WEST

Township Joubin  
 Claim 3009465

300 Elev

250 Elev

200 Elev

150 Elev

100 Elev

50 Elev

0 Elev

5139050 N

5139100 N

5139150 N

5139200 N

5139250 N

PM-08-88

gneiss

gneiss

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-50 0 50

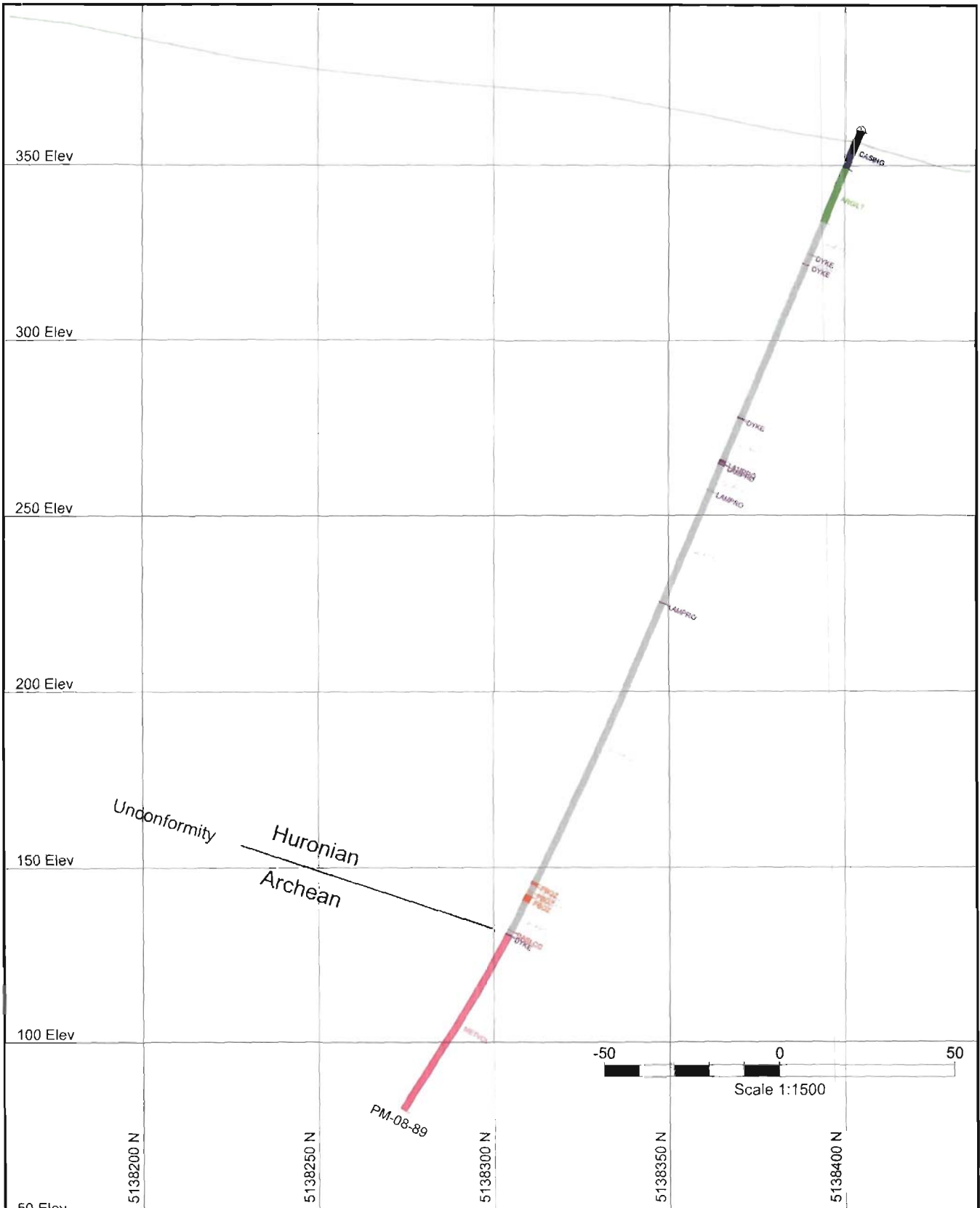
Scale 1:1500

Company: Pele Mountain  
Project: Elliot Lake  
Date: Oct 2007 - Jun 2008

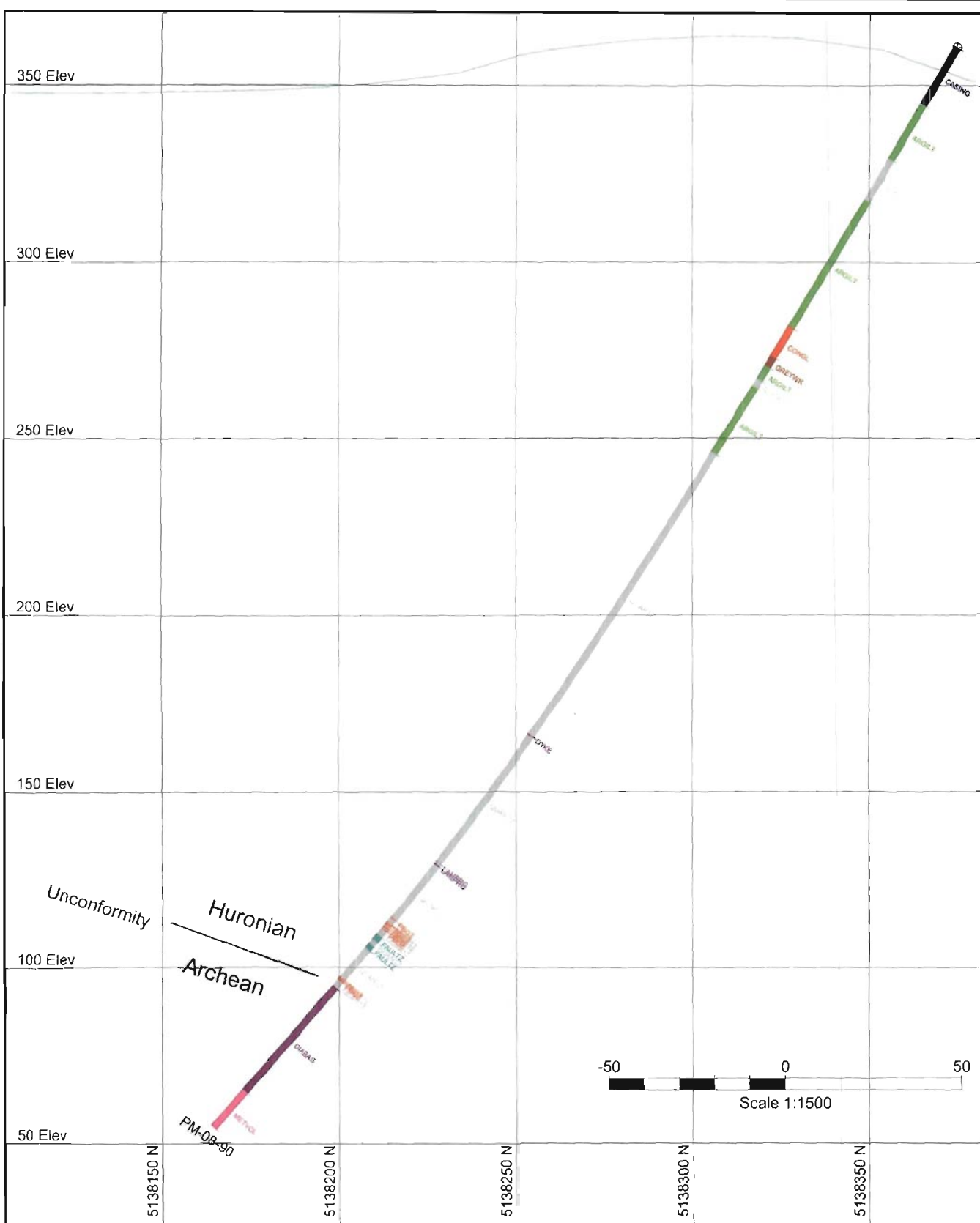
Section 384375E  
Drillhole: PM-08-88

Looking  
WEST

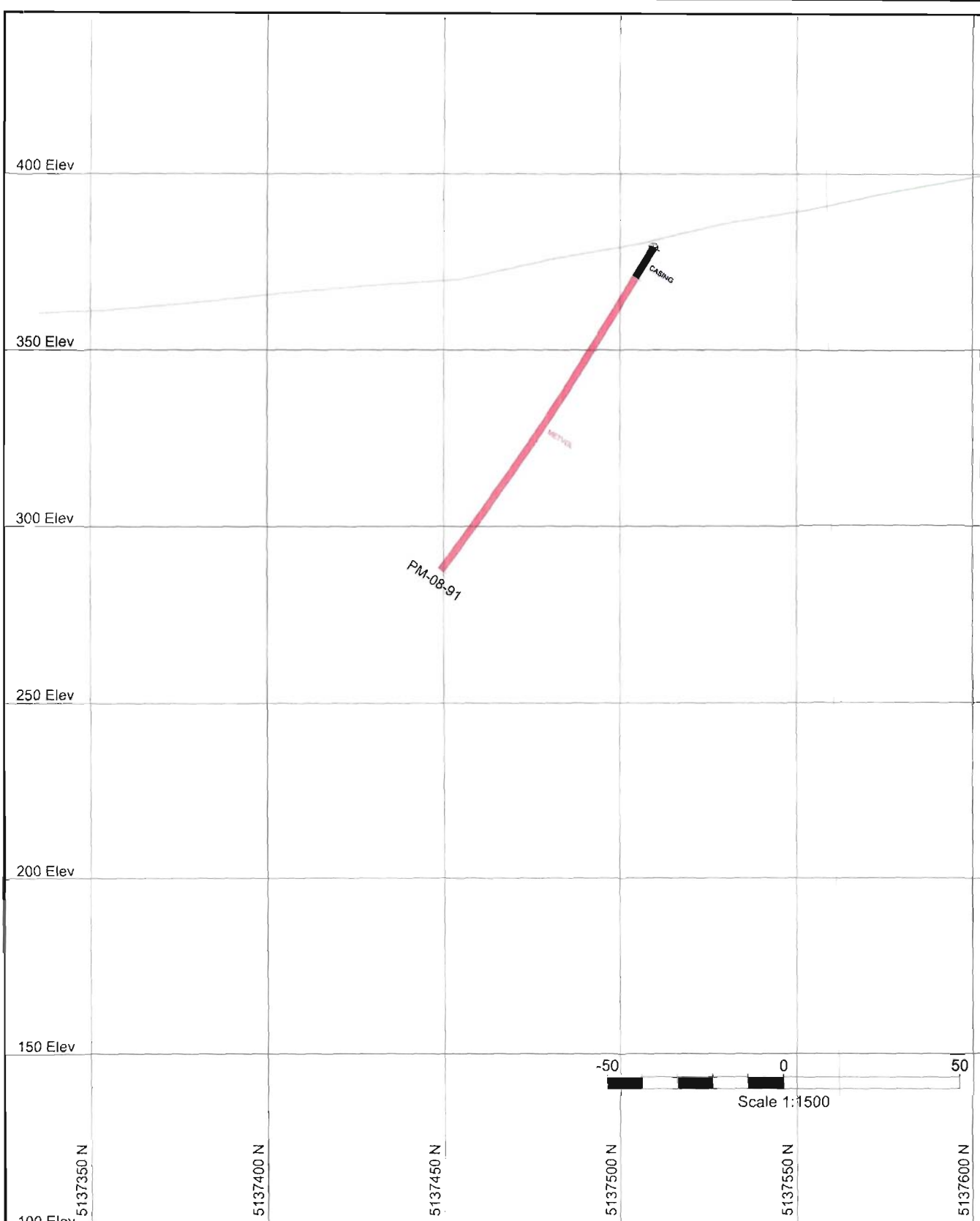
Township Joubin  
Claim 4201554



Company: Pele Mountain Project: Elliot Lake Date: Oct 2007 - Jun 2008	Section 382750E Drillhole: PM-08-89	Looking WEST	Township Joubin Claim 4218565
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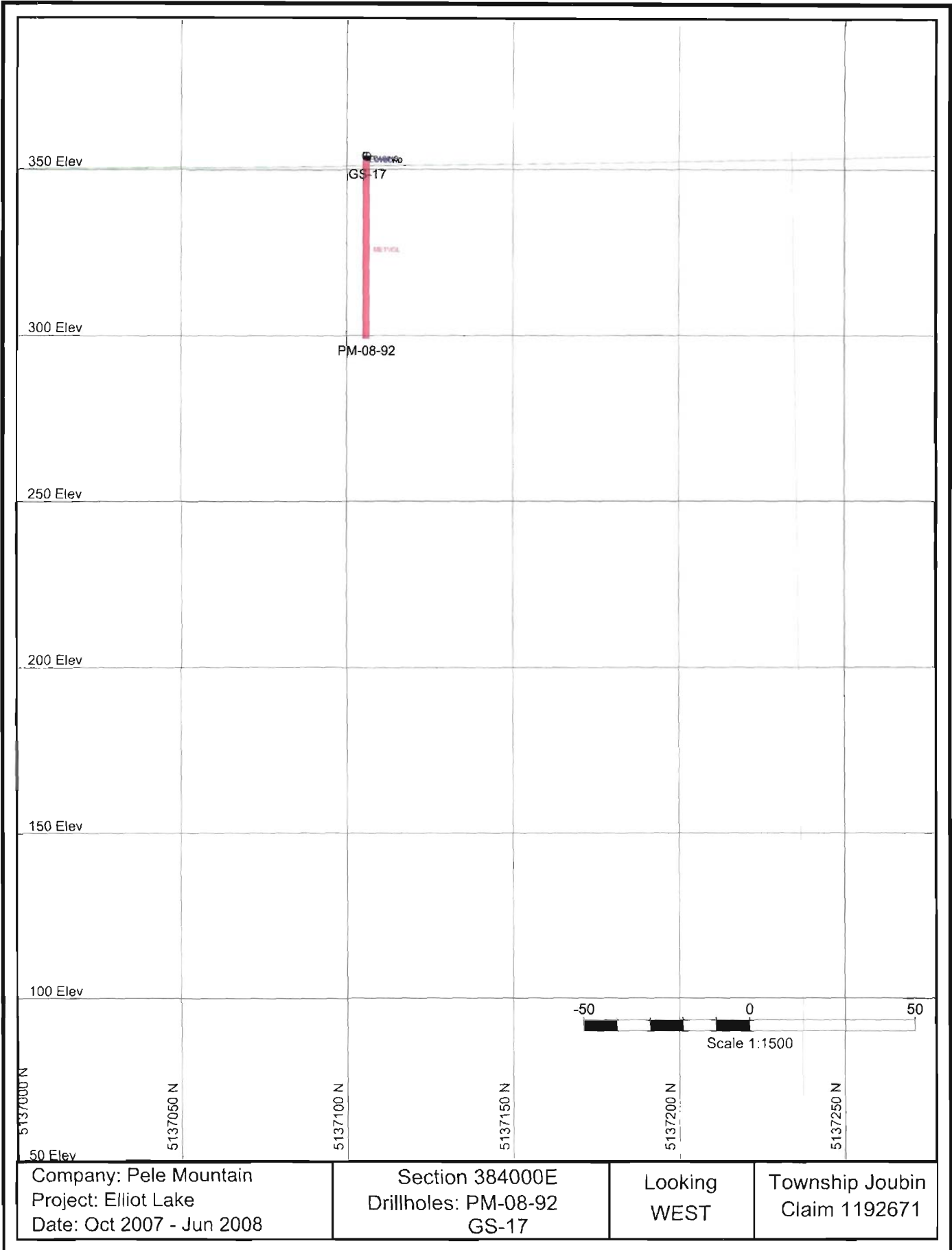


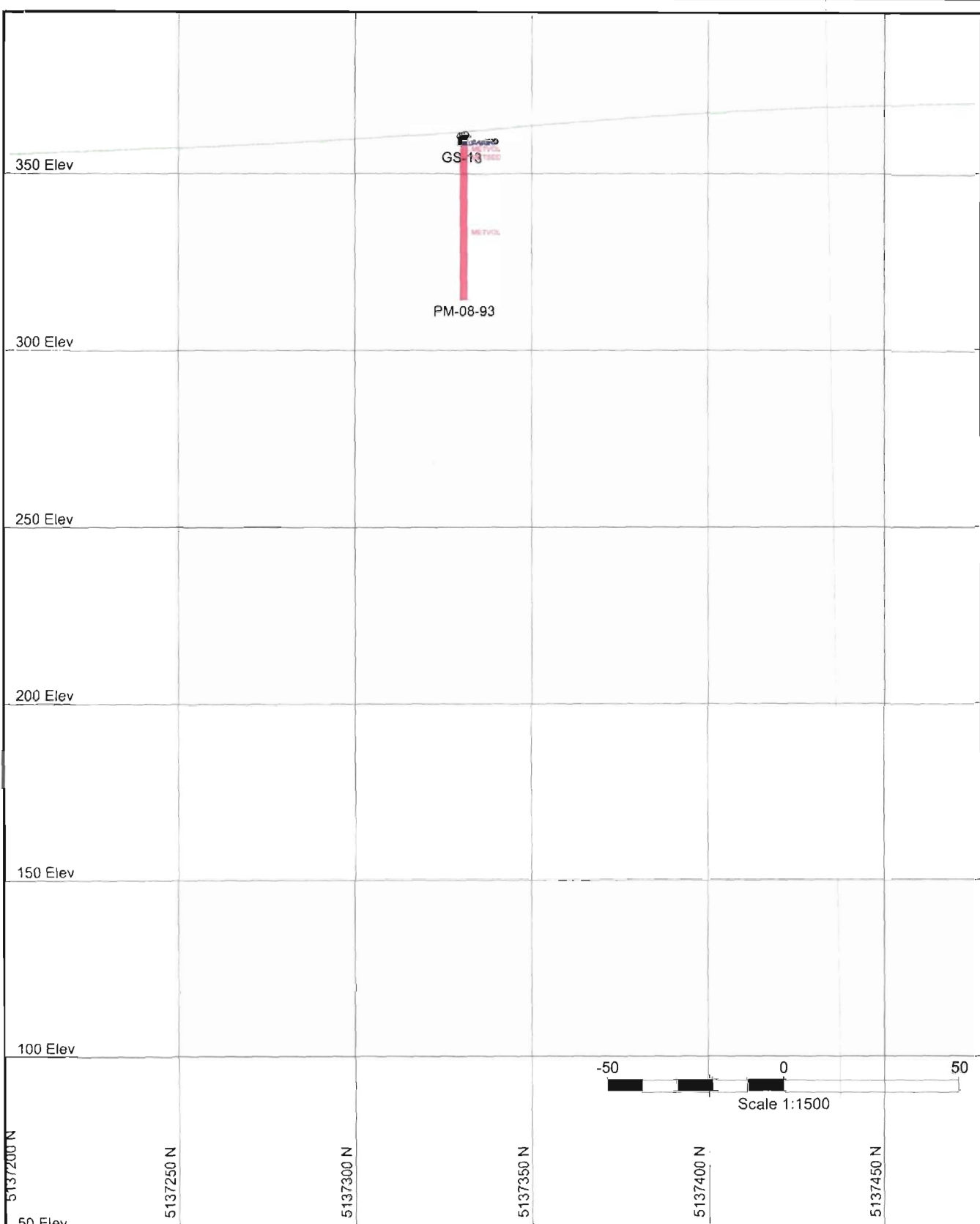
Company: Pele Mountain Project: Elliot Lake Date: Oct 2007 - Jun 2008	Section 380875E Drillhole: PM-08-90	Looking WEST	Township Joubin Claim 3009474
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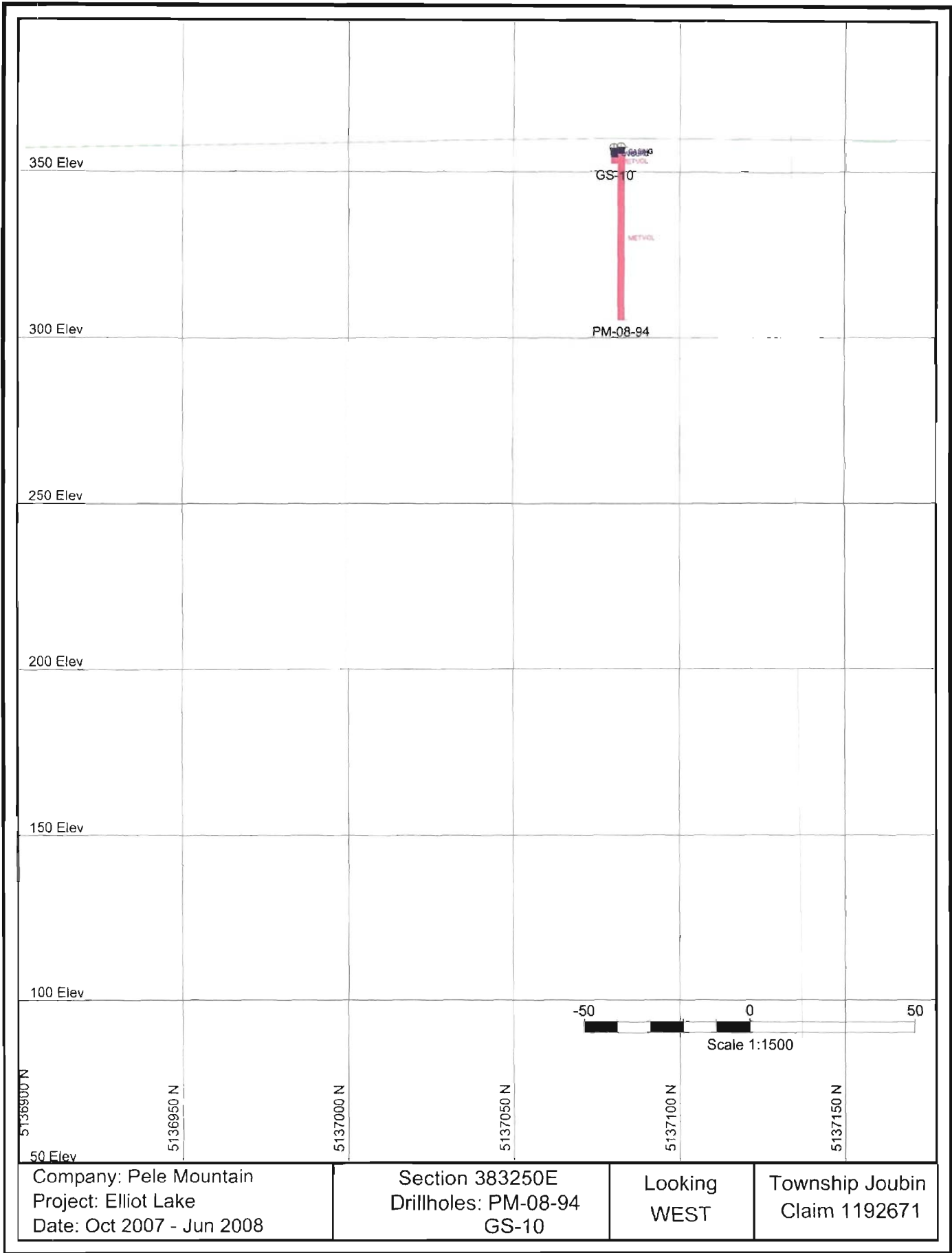
Company: Pele Mountain Project: Elliot Lake Date: Oct 2007 - Jun 2008	Section 383750E Drillhole: PM-08-91	Looking WEST	Township Joubin Claim 1192671
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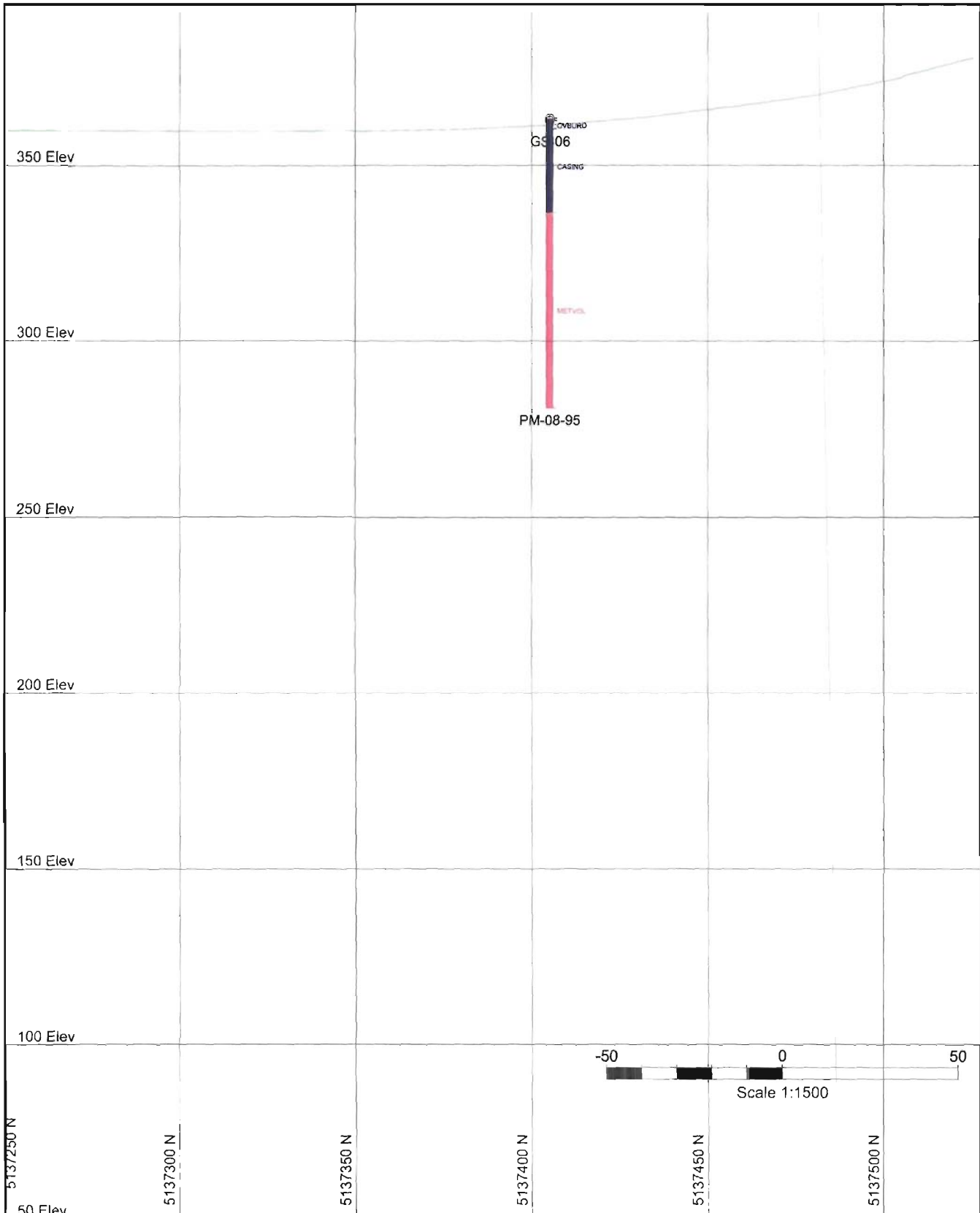






Company: Pele Mountain Project: Elliot Lake Date: Oct 2007 - Jun 2008	Section 383500E Drillholes: PM-08-93 GS-13	Looking WEST	Township Joubin Claim 1192671
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Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 383000E  
 Drillholes: PM-08-95  
 GS-06

Looking  
 WEST

Township Joubin  
 Claim 1192671

350 Elev

300 Elev

250 Elev

200 Elev

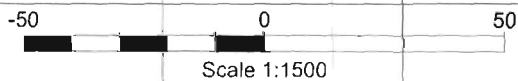
150 Elev

100 Elev

50 Elev

GS-08

PM-08-96



5136550 N

5136600 N

5136650 N

5136700 N

5136750 N

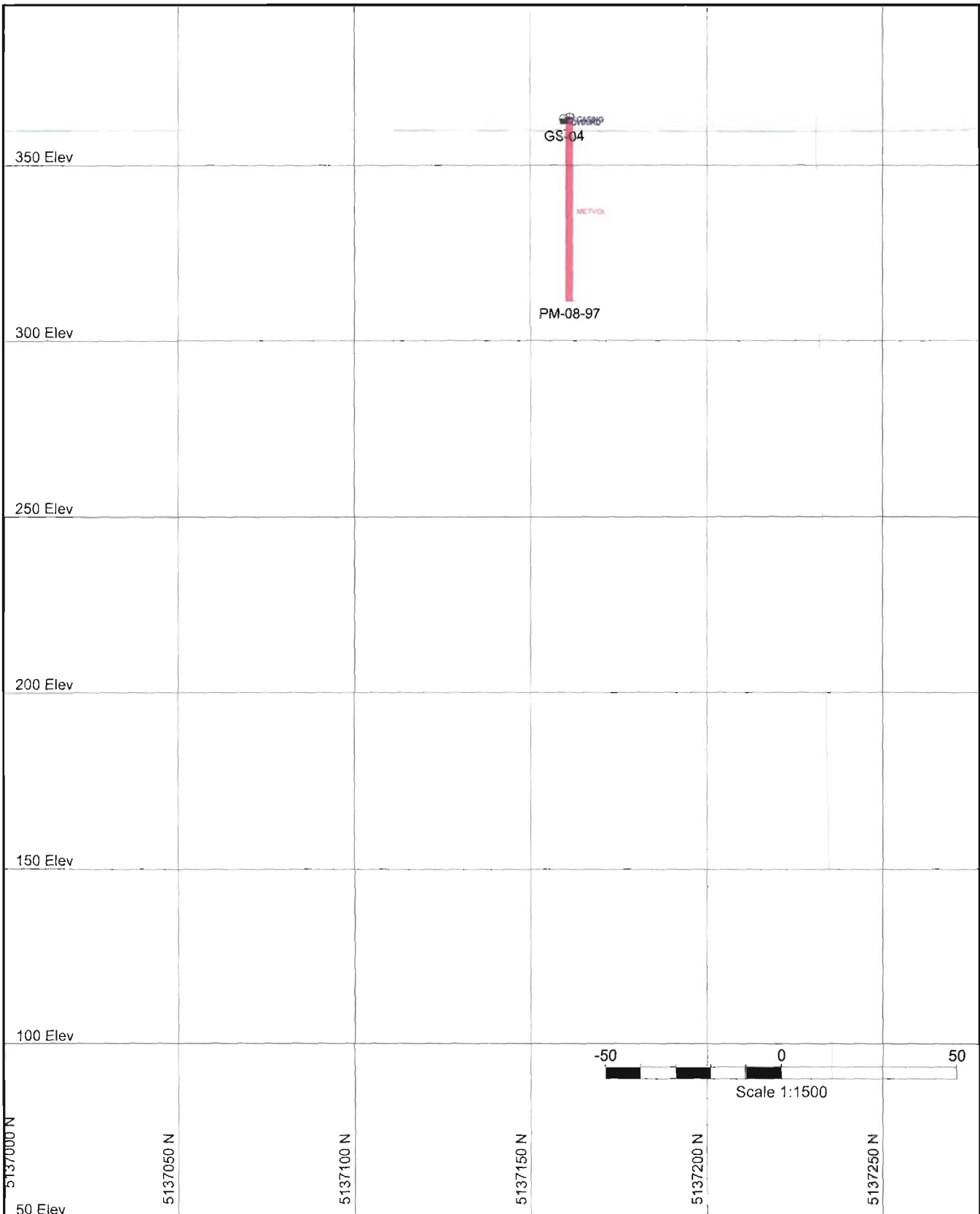
5136800 N

Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 383000E  
 Drillholes: PM-08-96  
 GS-08

Looking  
 WEST

Township Joubin  
 Claim 4215305

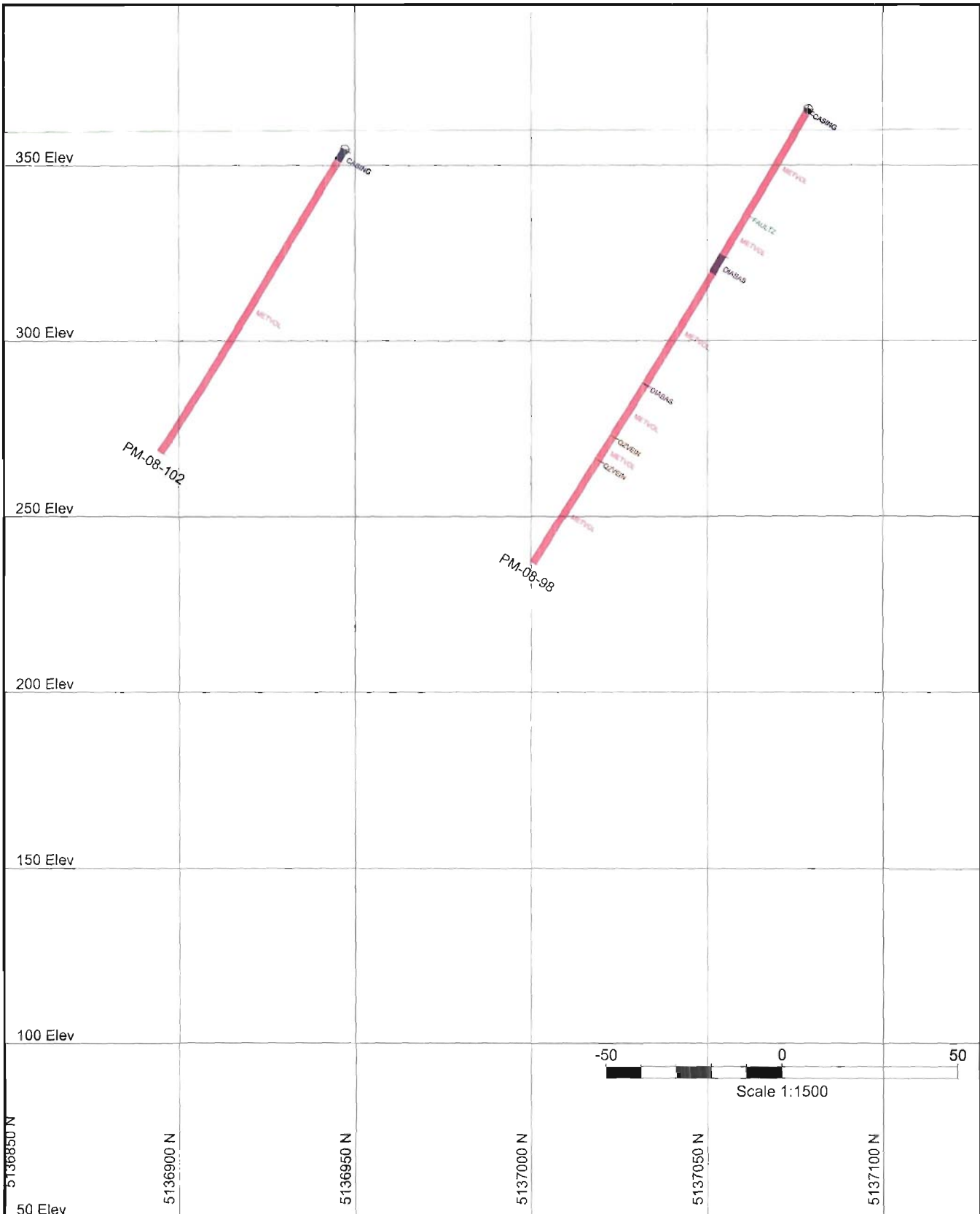


Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 382875E  
 Drillholes: PM-08-97  
 GS-04

Looking  
 WEST

Township Joubin  
 Claim 1192671

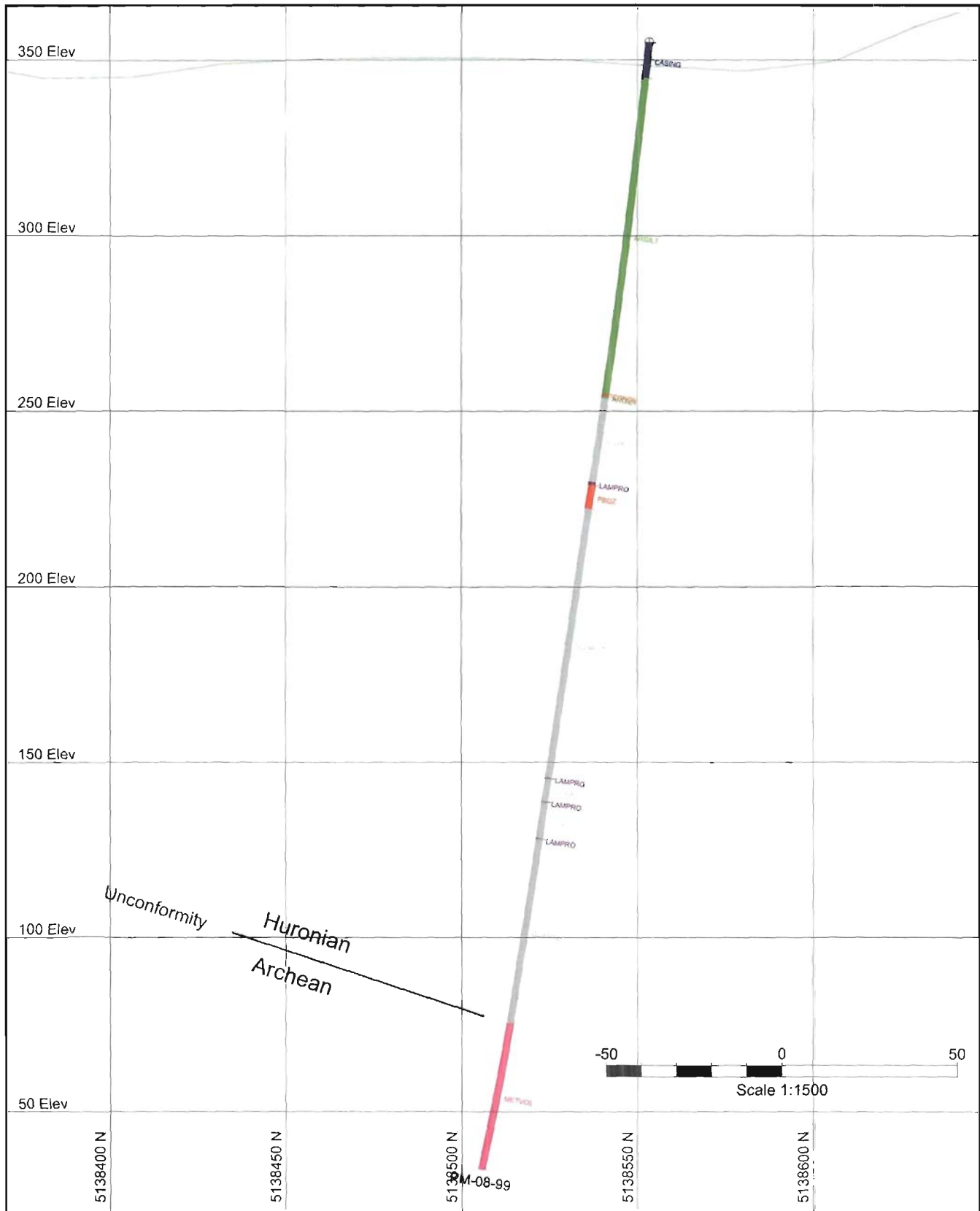


Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 382500E  
 Drillholes: PM-08-98  
 PM-08-102

Looking  
 WEST

Township Joubin  
 Claim 1192671  
 and 4215304



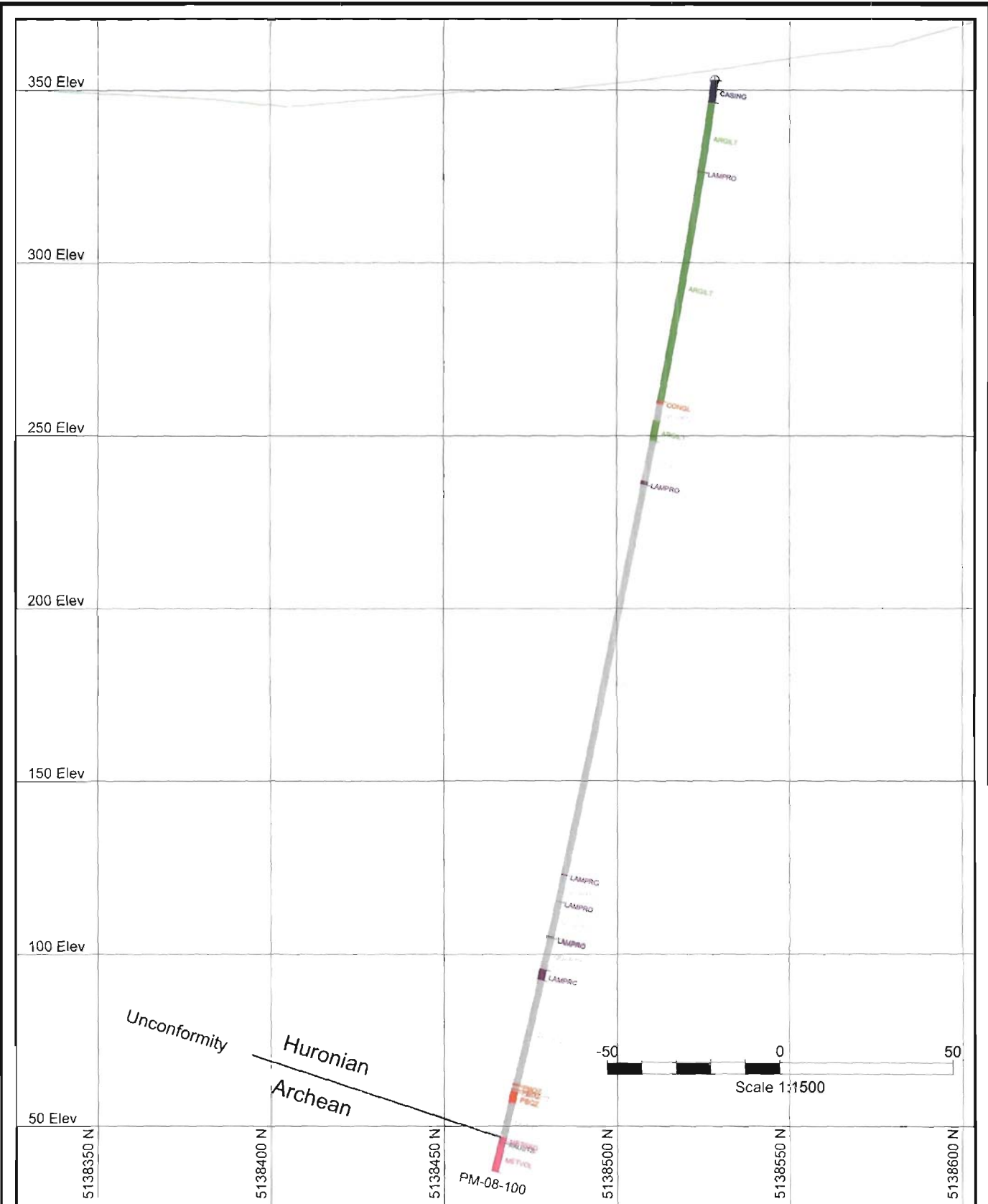
Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 382375E  
 Drillhole: PM-08-99

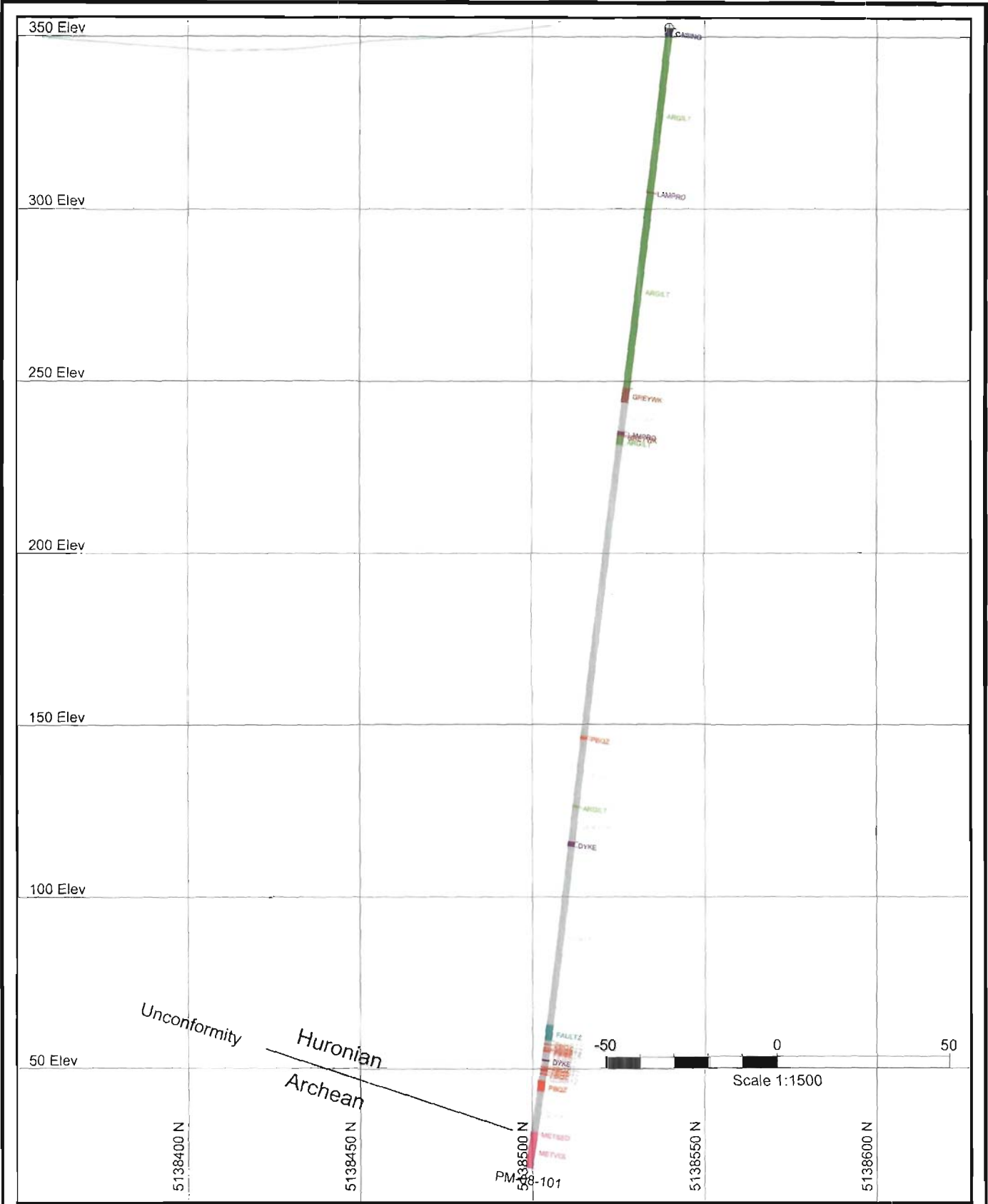
Looking  
 WEST

Township Joubin  
 Claim 3009474





Company: Pele Mountain Project: Elliot Lake Date: Oct 2007 - Jun 2008	Section 382250E Drillhole: PM-08-100	Looking WEST	Township Joubin Claim 3009474
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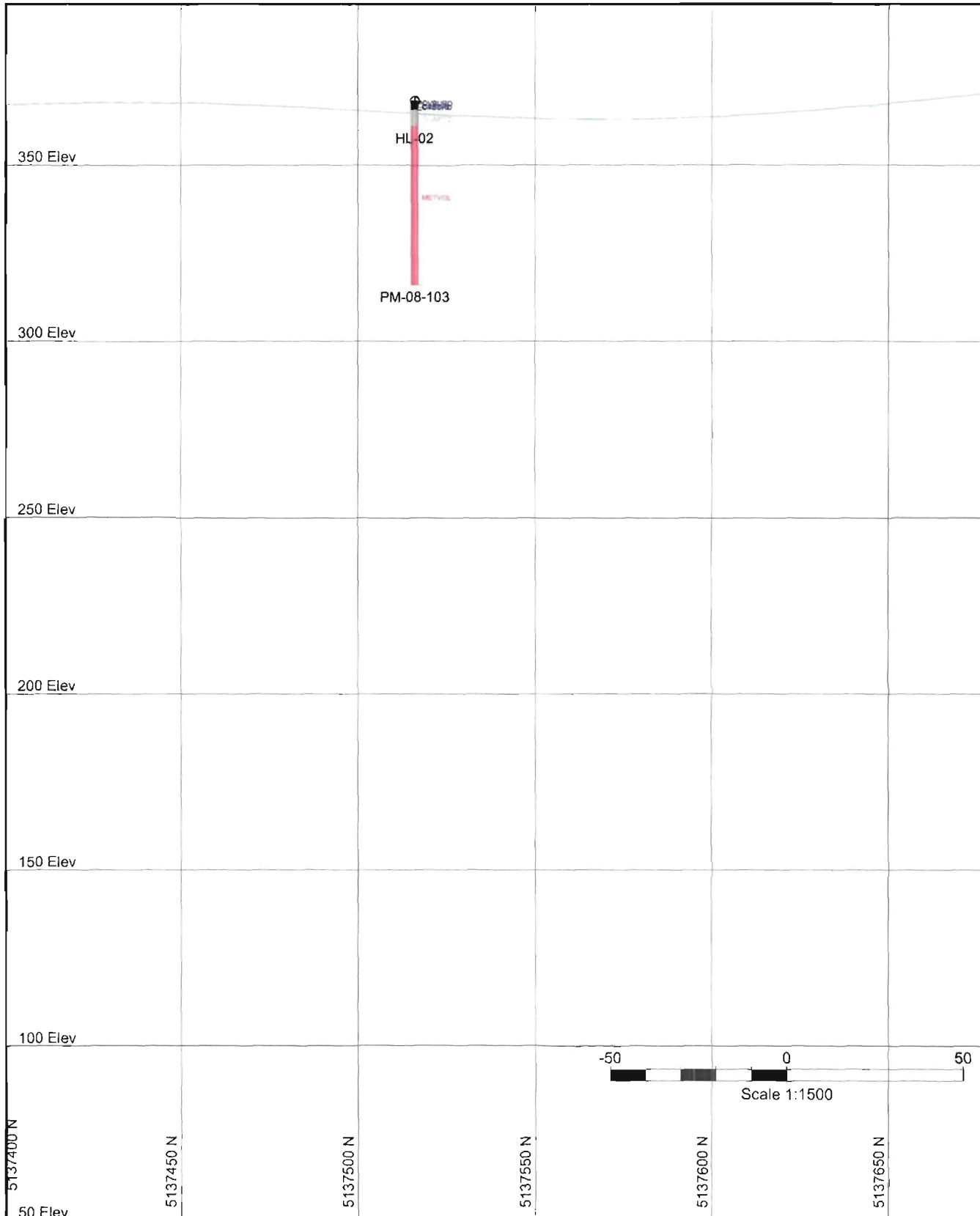


Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 382125E  
 Drillhole: PM-08-101

Looking  
 WEST

Township Joubin  
 Claim 3009474



Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 382250E  
 Drillholes: PM-08-103  
 HL-02

Looking  
 WEST

Township Joubin  
 Claim 3009465

350 Elev

GS-01

HL-04

PM-08-104

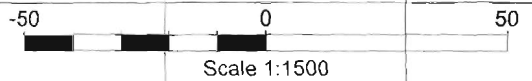
300 Elev

250 Elev

200 Elev

150 Elev

100 Elev



5136900 N

5136950 N

5137000 N

5137050 N

5137100 N

5137150 N

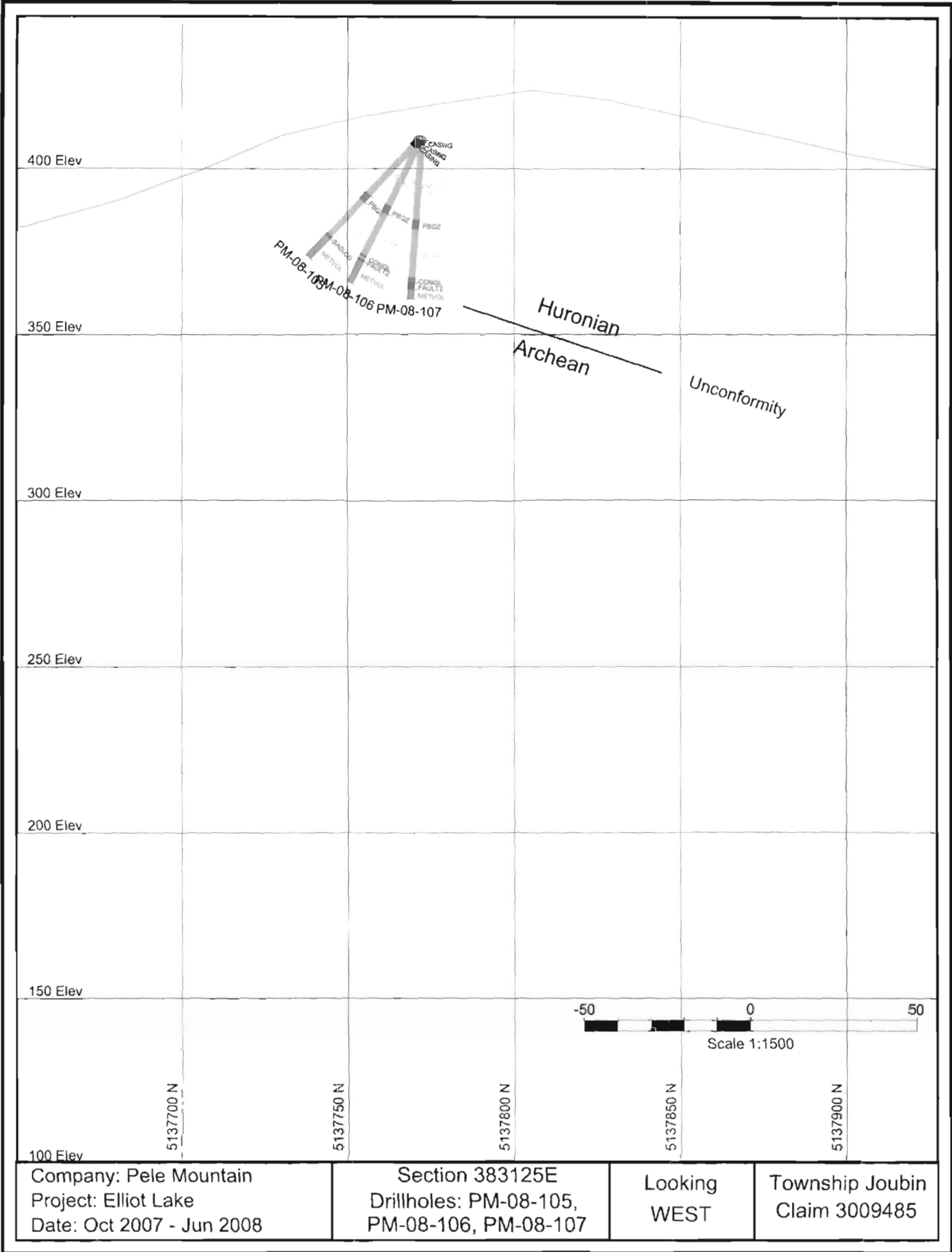
50 Elev

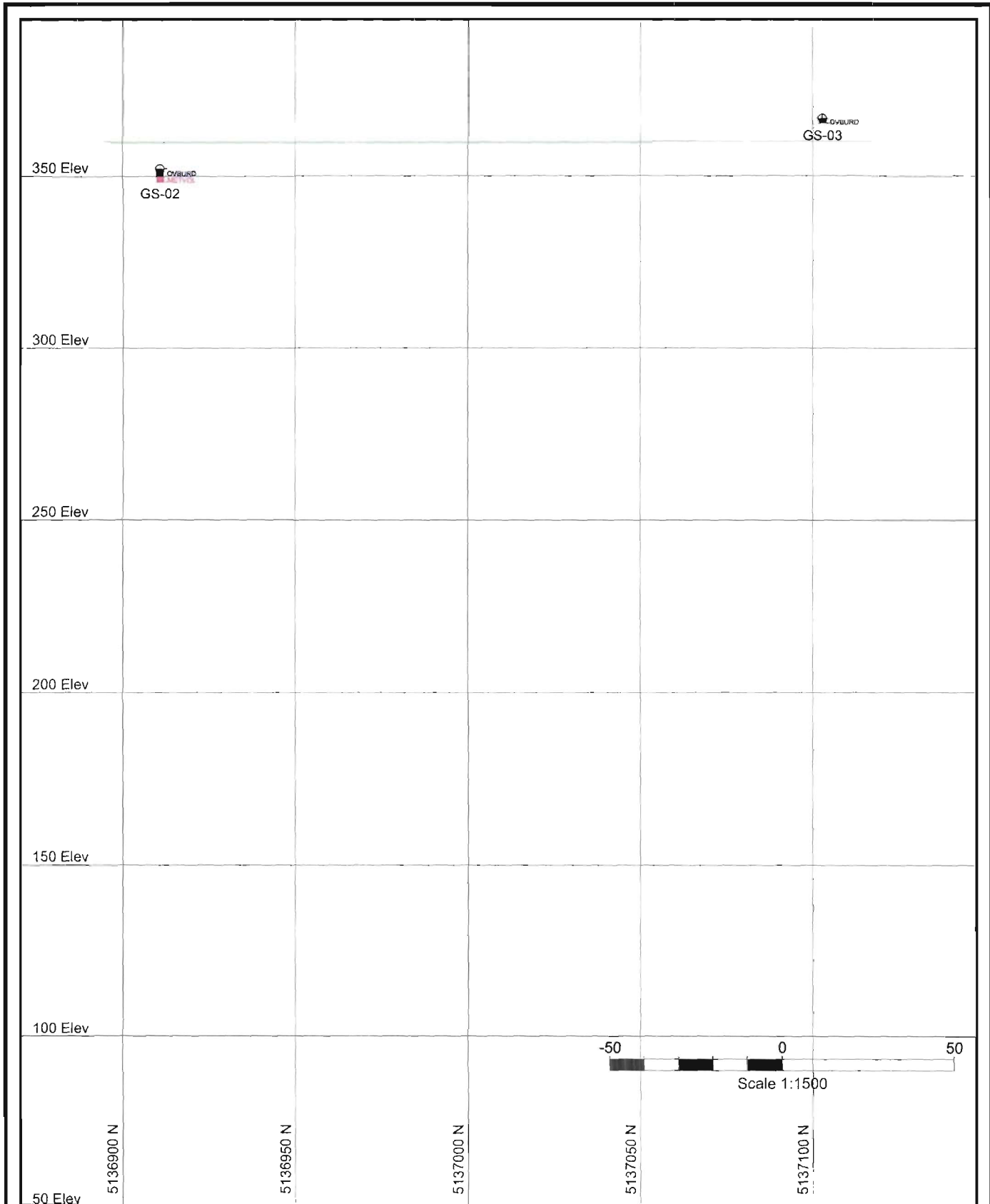
Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 382250E  
 Drillholes: PM-08-104  
 HL-04, GS-01

Looking  
 WEST

Township Joubin  
 Claim 1192671,  
 4215304





Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 382625E  
 Drillholes: GS-02,  
 GS-03

Looking  
 WEST

Township Joubin  
 Claim 4215305,  
 1192671

350 Elev

GS-05

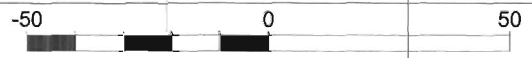
300 Elev

250 Elev

200 Elev

150 Elev

100 Elev



Scale 1:1500

5136650 N

5136700 N

5136750 N

5136800 N

5136850 N

5136900 N

50 Elev

Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 382750E  
 Drillhole: GS-05

Looking  
 WEST

Township Joubin  
 Claim 4215305

350 Elev

MOVBURD  
GS-07

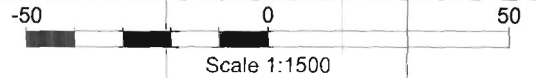
300 Elev

250 Elev

200 Elev

150 Elev

100 Elev



5136800 N

5136850 N

5136900 N

5136950 N

5137000 N

50 Elev

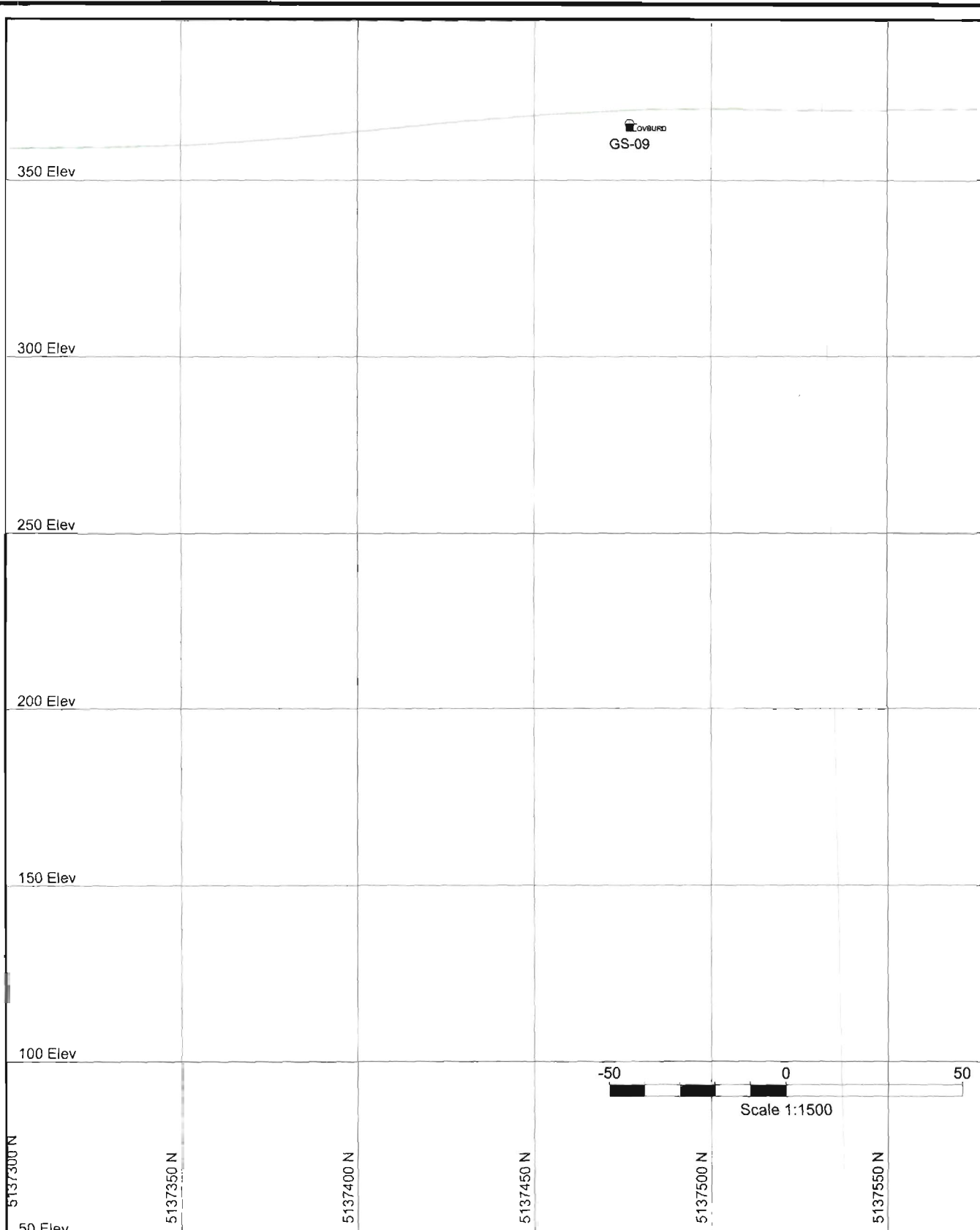
Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 383125E  
 Drillhole: GS-07

Looking  
 WEST

Township Joubin  
 Claim 4215305





Company: Pele Mountain Project: Elliot Lake Date: Oct 2007 - Jun 2008	Section 383250E Drillhole: GS-09	Looking WEST	Township Joubin Claim 1192671
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350 Elev

GS-11

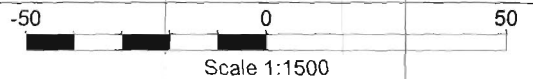
300 Elev

250 Elev

200 Elev

150 Elev

100 Elev



5136600 N

5136650 N

5136700 N

5136750 N

5136800 N

5136850 N

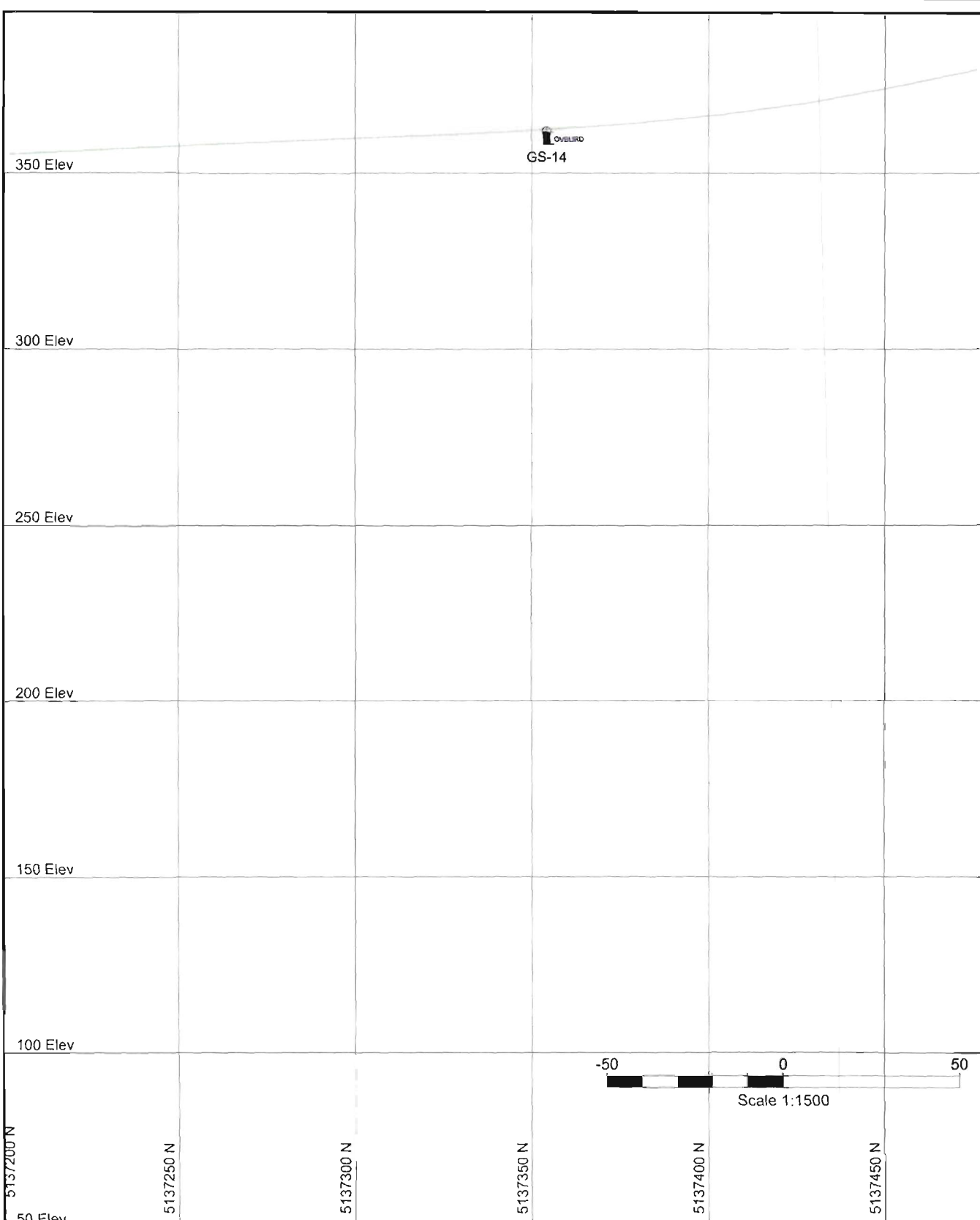
50 Elev

Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 383375E  
 Drillhole: GS-11

Looking  
 WEST

Township Joubin  
 Claim 4215305



Company: Pele Mountain Project: Elliot Lake Date: Oct 2007 - Jun 2008	Section 383625E Drillhole: GS-14	Looking WEST	Township Joubin Claim 1192671
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350 Elev

GS-15  
OVL RD

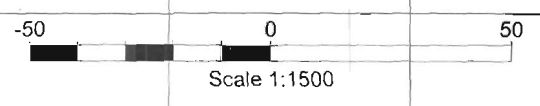
300 Elev

250 Elev

200 Elev

150 Elev

100 Elev



5137000 N

5137050 N

5137100 N

5137150 N

5137200 N

5137250 N

50 Elev

Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 383750E  
 Drillhole: GS-15

Looking  
 WEST

Township Joubin  
 Claim 1192671

400 Elev

350 Elev

300 Elev

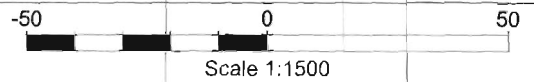
250 Elev

200 Elev

150 Elev

100 Elev

HL-01  
OVBURD



5137700 N

5137750 N

5137800 N

5137850 N

5137900 N

Company: Pele Mountain  
 Project: Elliot Lake  
 Date: Oct 2007 - Jun 2008

Section 382000E  
 Drillhole: HL-01

Looking  
 WEST

Township Joubin  
 Claim 3009465

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PM 08-87	5
PM 08-88	1
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PM 08-94 (GS-10)	2
PM 08-95 (GS-06)	1
PM 08-96 (GS-08)	3
PM 08-97 (GS-04)	1
PM 08-98 (LR-03)	3
PM 08-99	4
PM 08-100	6
PM 08-101	8
PM 08-102 (LR-02)	1
PM 08-103 (HL-02)	1
PM 08-104 (HL-04)	2
PM 08-105 F0A	3
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**Drill Log**  
**Journal de forage**

Under section 8 of the Mining Act, this information is used to maintain a public record. / Aux termes de l'article 8 de la Loi sur les mines, ces renseignements serviront à tenir à jour les dossiers publics.

Hole ID / Forage n° PM - 08 - 73		Claim No. / N° de concession minière SSM 4218565		Township/Area / Canton JOUBIN	
Name of Land Holder / No. de Pc/c Mountain Resources		Azimuth 180 °	Dip / Inclinaison -80 °	End of Hole (m) / fin de forage (m) 288m	Overburden Depth / profondeur des morts- terrains 3.0m
Drilling Company / Compagnie de forage M. G. Drilling		Logged by (print) / Inscrit par (écrite en lettres moulées) Allan Maceachern		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Elévation du collier 358m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mmm/ll)	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mmm/ll)	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mmm/ll)	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON.		
2008-01-13	2008-01-15	2008-01-17			

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5138564	Longitude:
Easting / Abscisse: 383317	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)	Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À	
o.o	3.0	Casing							
3.0	79.0	Pecors Argillite	Mostly dark grey quartzite with minor interbedded argillite. Not typical Pecors Argillite. Good core with a few short blocky sections mostly drilling induced.						
79.0	85.0	Ramsey Lake Conglomerate	Not typical RLC. x-bedded grey granite clasts from 0.01m to 0.25m						
85.0	93.0	Quartzite	Dark grey to medium grey. Minor argillite.						
93.0	105.0	Quartzite	Gradational to light grey.						
105.0	138.8	Matinenda Quartzite	Ryan member. Light grey, some with pink tinge.						
138.8	139.4	Quartzite	Blocky, minor vugs with 0.02m white quartz vein close to bedding @ 70-75deg						

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

"Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)"  
"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"



**Drill Log**  
**Journal de forage**

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
139.4	192.1	Quartzite	Light grey.							
192.1	192.28	Lamprophre	@ 60deg to LCA							
192.28	194.6	Quartzite	Light grey. 194.6 - strong slip @ 60deg. Minor white quartz veining.							
194.6	245.35	Quartzite	Light green below slip.							
245.35	245.51	Quartzite	40% QPC, pea-sized pebbles, minor fine pyrite.			01274	254.35	254.51	0.16m	
245.51	248.22	Quartzite								
248.22	248.28	Conglomerate	As 01274			01275	248.22	248.28	0.06m	
248.28	251.08	Quartzite	Narrow dark stringers.							
251.08	251.32	Quartzite	10 narrow dark stringer bands, minor fine pyrite.			01276	251.08	251.32	0.24m	
251.32	252.32	Quartzite	Light green, medium grain.							
252.32	252.56	Quartzite	Total half QPC bands 1cm smokey pebbles, minor pyrite.			01277	252.32	252.56	0.24m	
252.56	252.64	Quartzite								
252.64	252.75	Quartzite	2 QPC as 01277			01278	252.64	252.75	0.11m	
252.75	252.92	Quartzite								
252.92	253.32	Quartzite	Few QPC bands as 01277			01279	252.92	253.32	0.40m	
253.32	254.32	Quartzite								
254.32	254.71	Quartzite	Dark stringers with odd small pebble			01280	254.32	254.71	0.17m	
254.71	254.88	Quartzite								
254.88	255.02	Quartzite	As 01280			01281	254.88	255.02	0.14m	
255.02	257.80	Quartzite								
257.80	258.01	Quartzite	Total 0.04m QPC bands			01282	257.8	258.01	0.21m	
258.01	258.26	Quartzite								
258.26	258.37	Quartzite	Total 0.05m QPC bands. Fine pyrite.			01283	258.26	258.37	0.11m	
258.37	259.2	Quartzite	2 narrow QPC bands							

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

"Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)"

"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"





**Drill Log**  
**Journal de forage**

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
259.2	259.31	PBQZ	Poor fine pyrite. Light smokey pebbles.			01284	259.2	259.31	0.11m		
259.31	259.39	Quartzite				01285	259.31	259.39	0.08m		
259.39	259.46	PBQZ	As 01284			01286	259.39	259.46	0.07m		
259.46	259.61	Quartzite				01287	259.46	259.61	0.15m		
259.61	260.05	Quartzite	PBQZ pebbles pea-sized, poor pyrite, 0.04 silt band			01288	259.61	260.05	0.44m		
260.05	261.26	Quartzite									
261.26	261.38	Quartzite	49% PBQZ and dark stringers, poor fine pyrite			01289	261.26	261.38	0.12m		
261.38	262.09	Quartzite	3 narrow dark bands								
262.09	262.15	PBQZ	Very faint pyrite. Pea-sized pebbles			01290	262.09	262.15	0.06m		
262.15	263.60	Quartzite									
263.60	263.79	PBQZ	As 01290			01291	263.60	263.79	0.19m		
263.79	264.57	Quartzite									
264.57	264.76	Conglomerate	Total 0.09 QPC, 1cm pebbles, faint pyrite, smoky pebbles			01292	264.57	264.76	0.19m		
264.76	266.33	Quartzite				01293	264.76	266.33	1.57m		
266.33	266.53	PBQZ	Very poor			01294	266.33	266.53	0.20m		
		HW Main Zone									
266.53	266.68	Quartzite				01295	266.53	266.68	0.15m		
266.68	266.89	PBQZ	Pea-sized to 1cm pebbles, very poor fine pyrite.			01296	266.68	266.89	0.21m		
266.89	267.12	PBQZ	Very poor			01297	266.89	267.12	0.23m		
267.12	267.33	PBQZ	Very poor			01298	267.12	267.33	0.21m		
267.33	267.53	PBQZ	1cm smokey pebbles, faint pyrite			01299	267.33	267.53	0.20m		
267.53	267.73	PBQZ	As above			01300	267.53	267.73	0.20m		
267.73	267.82	Quartzite				01301	267.73	267.82	0.09m		
267.82	267.92	Conglomerate	1cm to 2cm smokey pebbles, black chert, fair to medium pyrite, some buckshot			01302	267.82	267.92	0.15m		

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

"Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)"

"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"



Drill Log  
Journal de forage

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
			Economic HW Main Zone							
267.92	268.07	Conglomerate	1cm pebbles, well packed, faint pyrite			01303	267.92	268.07	0.15m	
268.07	268.22	Quartzite	0.05m pebble band at end			01304	268.07	268.22	0.15m	
268.22	268.44	Quartzite	Appears barren with no pebble bands			01305	268.22	268.44	0.22m	
268.44	268.61	Conglomerate	Mostly 2cm smokey pebbles, good pyrite			01306	268.44	268.61	0.17m	
268.61	268.74	Conglomerate	Heavy pyrite, fine grain buckshot.			01307	268.61	268.74	0.13m	
					Duplicate	01311	268.61	268.74	0.13m	
268.74	268.88	Conglomerate	As above, pebbles not well packed.			01308	268.74	268.88	0.14m	
		FW Main Zone								
268.88	279.4	Quartzite	Becomes medium grey over last 1m							
279.4	288.0	Meta Sediments	Meta volcanics. No prominent unconformity fault as in some other holes. Minor broken core with many fractures parallel to bedding above 70deg to LCA.							
						Blank				
						Standard				
			EOH 288.0							
						Total 38 smp				

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.



Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

## Drill Log Journal de forage

Page 1 of / de 7

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Hole ID / Forage n° PM-07-74		Claim No. / N° de concession minière SSM3009485		Township/Area / Canton JOUBIN	
Name of Land Holder / No. de Pc/c Mountain		Azimuth 180 °	Dip / Inclinaison -85 °	End of Hole (m) / fin de forage (m)	Overburden Depth / profondeur des morts- terrains 3.0m
Drilling Company / Compagnie de forage M.G. Drilling		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ thinwall	Collar Elevation / Élévation du collier ~395
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj)	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj)	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj)		Location of Core Storage / Endroit où la carotte est stockée	
2007-12-10	2007-12-13	2007-12-14		Elliot Lake, )N.	

### DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE

UTM / MTU

Latitude / Longitude

degrees/minutes/seconds or decimal values  
degrés/minutes/secondes ou valeurs décimales

Datum:  NAD 27  NAD 83  
Zone:  15  16  17  18  
Northing / Ordonnée: 5138350  
Easting / Abscisse: 383325

Datum:  NAD 27  NAD 83  
Latitude:  
Longitude:

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	3.0	Casing	Mix of pink granite and argillite rubble.							
3.0	15.2	Argillite	Fine grain, dark green relatively soft. Interbedded with light grey feldspathic quartz. Core highly broken and oxidized. Faint bedding planes @ 60-70deg to LCA. 11.0 to 15.2 - Scattered white quartz clasts or phenocrysts with smaller dark grains in groundmass. Occasional pyrite bleb.							
15.2	15.8	Argillite	Very fine grain, dark green to black. "shale like". Sharp lower contact @ 70to LCA. Core broken.							

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

"Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)"

"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"



**Drill Log**  
**Journal de forage**

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Anglo des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'e hantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
15.8	21.2	Quartzite (Stinson Mbr)	Buff brown to grey, medium grain massive quartzite. Good core. Bedding planes at beginning of section (20cm) @ 75deg to LCA.							
21.2	32.3	Quartzite	Light grey with green hue. Medium grain. Numerous pyrite stringers and dark bands. 75deg to LCA. Also smokey grains with pyrite. Radioactive (2x bkgd) Good quality core.							
32.3	61.0	Quartzite	Light grey with green hue. Medium to coarse grain. Occasional quartz clast. Occasional mafic clast to 2cm. Minor pyrite stringers and dark bands. Good quality core.							
61.0	92.0	Quartzite	Medium grain, light grey quartzite. Minor dark banding. Bedding planes 75deg to LCA. 85.0 to 85.1 - Buff brown fine grain siltstone. Occasional quartz and bull qtz. 65.3 to 66.0- Core broken 89.3to 92.0 - Fine layering of light/darker quartz. Siltstone. Pyrite stingers.							
92.0	98.3	Quartzite	Fine to medium grain pinkish quartzite. Fine layering and occasional pyrite stringer. 93.0 to 94.0 - core broken 96.0 to 97.0 - fine grain pinkish/brown. Possible fault breccia with micro-fractures containing dark minerals. Fairly consolidated core. Minor vugs. No orientation. Minor shearing @ 30deg to LCA. 97.0 to 98.3 - Core very broken. Buff/orange colour. Probably faulted.							

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"Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)"

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**Drill Log**  
**Journal de forage**

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
98.3	101.6	Quartzite	Medium grain buff to grey quartzite. Increasing in orange feldspar grains. Occasional dark banding and pyrite stringer.								
101.6	105.46	Quartzite	Light grey, medium to coarse grain. Narrow dark banding and pyrite stringers. Lower contact 75deg to LCA - sharp. Good quality core.								
105.46	128.0	Quartzite	Medium to coarse grain, green arkosic quartzite. Intercalated fine grain section Gritty sections. Numerous narrow dark bands. Trace pyrite.								
128.0	128.3	Quartzite	Fine grain massive green arkosic quartzite.								
128.3	128.5	Quartzite	Medium grain, green arkosic quartzite.								
128.5	128.9	Quartzite	As 128.0-128.3 but lower 10cm broken with tow quartz veins associated with.								
128.9	164.5	Quartzite	Medium to coarse grain. Light green. Upper few metres are coarse and gritty. 135.5 to 137.0 - broken core. Bedding 75deg to LCA. Occasional white quartz clast. Numerous narrow dark bands. Occasional floater reef of PBQZ. @ 145.0 (13cm) and 163.3(10cm). Core competent. No oxidation.								
164.5	204.05	Quartzite	Medium to coarse grain, green arkosic quartzite. Numerous narrow dark stringers and banding typically 75 to 80deg to LCA. Occasional narrow "floater" reef to 14cm. Trace pyrite with the dark banding. Floater beds are typically composed of smokey quartz grains and pea-sized pebbles. Usually well packed units. Good quality core.								

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From/De	To/À						From/De	To/À			
204.05	209.7	Quartzite	Medium to coarse grain, green arkosic Quartzite. Loosely packed PBOZ and QPC beds @: 204.4 to 204.65 - pebbles to 1cm. trace pyrite. 204.9 to 205.1 - as above 206.1 to 206.7 - smokey quartz pebbles and grains, trace pyrite. 208.18 to 208.37 - as above 208.84 to 209.0 - as above								
209.7	210.62	Quartzite	Medium to coarse grain quartzite to PBQZ. Occasional pebble to 1cm. Some dark banding. <1% pyrite. Occasional pyrite stringer. Good quality core.			01172	209.7	210.62	0.92m		
210.62	211.17	PBQZ	Coarse, gritty PBQZ. 20% pebble content. Pea-sized pebbles. Smokey. <1% pyrite. Occasional elongated sericitic shard or clast.			01173	210.62	211.17	0.55m		
211.17	211.58	PBQZ	Coarse PBQZ. 10% pebble content. Pebbles to 1cm. Smokey. Occasional mafic clast. Smokey quartz grains in groundmass. <1% pyrite.			01174	211.17	211.58	0.41m		
211.58	211.80	Quartzite	Coarse grain, green arkosic quartzite. 2cm fine quartzite band at top.			01175	211.58	211.80	0.22m		
211.80	212.20	Conglomerate HW Main	Well packed QPC in beds with intercalated coarse, green quartzite. 5% pyrite with pebbles. Smokey.			01101	211.80	212.20	0.40m		
212.20	212.47	Conglomerate	Loosely packed QPC. Pebble content 15%. Pebbles to 1cm. <1% pyrite. Smokey			01102	212.20	212.47	0.27m		
212.47	212.68	PBQZ	Loosely packed "gritty" PBQZ. <1% pyrite. Occasional elongated white shard			01103	212.47	212.68	0.21m		
212.68	213.10	Conglomerate	Medium packed QPC. Pebbles pea-sized to 1cm. Intercalated grit sections. 5% pyrite. Detrital.			01104	212.68	213.10	0.42m		
213.10	213.42	Conglomerate	Medium packed QPC. Pebble content 50%. Pebbles to 2cm.			01105	213.10	213.42	0.32m		

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From/De	To/À						From/De	To/À		
			Pebbles sub-rounded and angular. Smokey. Yellowish sericitic matrix. 5% pyrite.							
213.42	213.57	Quartzite	Medium to coarse grain green arkosic quartzite.			01106	213.42	213.57	0.15m	
213.57	213.92	Conglomerate	Loosely packed QPC as beds with intercalated coarse grain quartzite. 5 to 10% pyrite with pebble beds. Smokey quartz pebbles to 2cm. Sub-rounded and angular Mix of white and smokey quartz grains in groundmass.			01107	213.57	213.92	0.35m	
213.92	214.16	Conglomerate	Loosely packed QPC. Pebble content 20%. Pebbles to 2cm diam. Smokey. Pyrite as stringers. 2 to 5% pyrite.		Duplicate	01108 01109	213.92 213.92	214.16 214.16	0.24m 0.24m	
214.16	214.40	Quartzite	Coarse grain, green arkosic quartzite. Occasional quartz clast. <1% pyrite.			01110	214.16	214.40	0.24m	
214.40	214.58	Conglomerate FW Main	Medium packed, white quartz pebbles as QPC. Pebbles to 2cm. 30% content. Heavy detrital pyrite to 20%. Very smokey groundmass Sharp contact 80deg.			01111	214.40	214.58	0.18m	
214.58	215.0	Quartzite	Medium grain green arkosic quartzite. Fine layering of medium to fine grain quartzite.			01112	214.58	215.0	0.42m	
215.0	228.04	Quartzite	Medium to coarse grain green arkosic quartzite. Occasional narrow PBQZ bed. Occasional dark band. Trace pyrite. Intercalated fine grain sections. Fairly massive looking and good quality core. More homogenous to bottom.							
228.04	228.65	Quartzite	Medium to coarse grain light green to grey quartzite. Occasional white quartz clast. Occasional cubic pyrite grain. Trace pyrite in matrix. Lower 4cm darker.			01113	228.04	228.65	0.61m	

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From/De	To/À						From/De	To/À			
228.65	228.95	Conglomerate Basal Unit	Medium packed QPC. 25% pebble content with pebbles to 5cm diam. Coarse, detrital, cubic pyrite grains to 0.01cm. at top end of section. Lower contact is sharp and irregular - unconformity. Occasional mafic and chert clast. Good quality core. Good radioactivity (1600cps on scint)			01114	228.65	228.95	0.30m		
228.95	229.45	Volcanics Archean	Very fine grain, dark green when broken - light green on core surface. Tuffaceous. Soft to scratch test. (White powder) "flakey"			01115	228.95	229.45	0.50m		
229.45	229.64	Volcanics Huronian	Unconsolidated quartzite of light green shards in a darker matrix looking like a breccia. Sharp upper and lower contact. Quartz pebbles to 2cm. Angular. The shards are elongated and tapered. Occasional pyrite bleb. Not radioactive.			01116	229.45	229.64	0.19m		
229.64	230.38	Volcanics	Fine grain, dark green volcanics. Faint shear planes @ 60deg to LCA. Tiny mafic clasts in the groundmass. Chippy at 230m. Quartz/carbonate veinlets. Soft to scratch test. Trace pyrite.								
230.38	233.55	Volcanics	Fine grain, dark green volcanics. Numerous carbonate veinlets. Shearing @ 60deg								
233.55	250.5	Volcanics	Very fine grain, dark green to black. Numerous quartz/carbonate veinlets 60 deg to LCA. Increase in amygdules. Mafic dyke feature @ 249.3 to 249.5								
250.5	278.0	Volcanics	Fine grain, dark green to black. Occasional quartz/carb veinlet. Core soft. Occasional faint grey/white quartz clast to 3cm. One elongated 1.5x5cm. Quartz breccia - consolidated @ 266.5m. 273 to 274 - light grey altered quartz with flow features. - stretched ( 30deg								

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From/De	To/À						From/De	To/À		
			to LCA. Occasional bull quartz vein to 2cm. Non- magnetic and not radioactive.							
					Blank	01117				
					Standard	01118				
			EOH 278.0m		DL-1a					
			acid test corrected to -85deg		(0.0116%U)					

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Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

## Drill Log Journal de forage

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Under section 8 of the Mining Act, this information is used to maintain a public record. / Aux termes de l'article 8 de la Loi sur les mines, ces renseignements serviront à tenir à jour les dossiers publics.

Hole ID / Forage n° PM-08-75		Claim No. / N° de concession minière SSM4218565		Township/Area / Canton Joubin	
Name of Land Holder / No, de Pele Mountain Resources		Azimuth 180 °	Dip / Inclinaison -85 °	End of Hole (m) / fin de forage (m) 263m	Overburden Depth / profondeur des morts- terrains 6.5m
Drilling Company / Compagnie de forage M. G. Drilling Inc.		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 366
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-01-06	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-01-08	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-01-09		Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON	

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u>
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5138410	Longitude:
Easting / Abscisse: 383100	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	6.5	Casing	Mix of pink and grey granite and carbonaceous green chloritic argillite.							
6.5	28.4	Argillite	Fine grain, dark grey. Occasional section with folded bedding features. Also Pecors Fmt.							
			medium grain sections. Occasional rounded, granite clast near top of sequence. Possibly Ramsay Lake section.							
			24.1 to 25.0 - Bull quartz. Chippy and slate like on either side. Sharp contact with underlying quartzite.							
28.4	59.0	Quartzite	Medium to coarse grain, light grey. Numerous narrow dark bands with trace pyrite to 45.0m. Core massive to 59.0m with occasional PBQZ section of light pebbles in a grey quartzite groundmass.							
59.0	61.8	Quartzite	Grey quartzite. Core broken with a number of high angle fractures. Pyrite min. on surface of some fractures. Couple of minor vuggy sections. Medium to coarse							

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From/De	To/À						From/De	To/À		
			grain with occasional dark band.							
61.8	96.9	Quartzite	Medium grain, grey to buff quartzite. Occasional dark mineralized band. Minor high angle fracturing.							
96.9	102.5	Quartzite	Fine grain siltstone/quartzite, buff to grey and the core is broken to 50% at bottom end.							
102.5	103.75	Quartzite	Fine grain, grey quartzite with associated fault breccia. Fracture 15deg to LCA. Minor vugs and dark staining on joint surface. Core broken. Possible lost core.							
103.75	104.0	Quartzite	Fine grain buff to grey quartzite. Broken. Some dark micro fracturing.							
104.0	104.24	Lamprophyre	Medium grain, dark green. 70deg to LCA. Very chloritic with carbonate component as veinlets (fizzes). Dark angular shards in groundmass as well as tiny white cryst. Very soft.							
104.24	105.76	Quartzite	Fine to medium grain. Buff to grey. Micro fracturing 106.0 to 106.2. 15deg to LCA. Core slightly broken. Possible some lost core.							
105.76	108.7	Quartzite Greywacke	Fine to medium grain, dark grey to buff quartzite or greywacke. Fine grain matrix with angular quartz clasts. Typically tiny clast with occasional 1cm white quartz clast. Minor micro-fracturing. Core is broken.							
108.7	122.1	Quartzite	Medium to coarse grain, grey. Occasional mix of green quartzite. Occasional 1cm white quartz clast and mafic clast. Light grey to light green. 113.1 to 113.15 - Bedding feature 70deg to LCA - slightly brecciated.							
122.1	143.7	Quartzite	Medium to coarse grain, green arkosic. Number of narrow dark stringers with trace pyrite. 70deg to LCA. 124.75 to 124.83 - Sill, mafic, chloritic, soft, 75deg to LCA. 126.85 to 127.0 - Mafic sill, carbonate veinlet, soft.							

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From/De	To/À						From/De	To/À		
143.7	144.58	Quartzite	Fine grain, green siltstone. Couple of mid-bed quartz veins (smokey) 75deg to bedding.							
		Siltstone								
144.58	202.6	Quartzite	Medium to coarse grain, green arkosic. Numerous narrow dark mineralized bands. Good quality core. Occasional gritty section. Occasional quartz clast.							
			154.22 to 154.5 - Bull quartz with 75deg contacts. Trace pyrite throughout.							
202.6	219.84	Quartzite	Medium to coarse, green arkosic. Dark banding. Occasional white quartz clast. Increase in PBQZ as "floaters" reefs. Trace pyrite.							
219.84	220.23	Quartzite	Coarse, green, arkosic quartzite.							
220.23	220.86	PBQZ	Medium packed PBQZ to QPC. 40 to 50 % pebble content. Pebbles to 2cm. Mix of quartz/chert/mafic clasts. Yellowish cement. <1% pyrite. 450 to 550 cps			01186	220.23	220.86	0.63m	
220.86	221.16	Quartzite	Coarse, green arkosic quartzite. PBQZ band included.			01187	220.86	221.16	0.30m	
221.16	221.26	Conglomerate	Well packed QPC. Smokey pebbles. 5% pyrite.			01188	221.16	221.26	0.10m	
221.26	222.93	Quartzite	Medium grain, green arkosic. Occasional quartz clast.							
222.93	223.70	PBQZ	Mix of PBQZ and quartzite beds. Loosely packed. Pea-sized pebbles.			01189	222.93	223.70	0.77m	
223.70	226.73	Quartzite	Medium to coarse grain arkosic. Dark, narrow bands with occasional quartz clast. <1% pyrite.							
226.73	226.93	Conglomerate	Medium packed smokey QPC. Pea-sized to 1cm pebbles. <1% pyrite.			01190	226.73	226.93	0.20m	
226.93	227.0	Quartzite	Medium grain arkosic quartzite.							
227.0	227.78	PBQZ	Loosely packed PBQZ. Pea-sized pebbles, smokey. <1% pyrite.			01191	227.0	227.78	0.78m	
227.78	229.10	Quartzite	Medium to coarse grain arkosic quartzite. Occasional quartz clast.							
229.10	229.43	PBQZ	Medium packed QPC. Smokey pebbles to 1cm. 30 to 40% pebbles content. 1% pyrite.			01192	229.10	229.43	0.33m	
229.43	231.20	Quartzite	Medium to coarse grain, arkosic. Occasional quartz clast. Narrow dark banding.							

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From/De	To/À						From/De	To/À			
231.20	232.50	PBQZ	Loosely packed PBQZ. Pebbles to 1cm. 20% pebble content. Pyrite supported dark stringers. White and smokey quartz pebbles.			01193	231.20	232.50	1.3m		
232.50	232.70	Quartzite	Medium grain, green arkosic quartzite.								
232.70	233.50	PBQZ	Loosely packed. Smokey pebbles to 1cm. <1% pyrite.			01194	232.70	233.50	0.80m		
233.5	234.1	Quartzite	Medium grain, green arkosic. Occasional quartz clast. <1% pyrite.								
234.1	234.8	PBQZ	Very loosely packed. <1% pyrite			01195	234.1	234.8	0.70m		
234.8	235.66	Quartzite	Medium to coarse grain, green arkosic. Occasional quartz clast.								
235.66	236.00	PBQZ	Loosely packed. Poor. <1% pyrite.			01196	235.66	236.0	0.34m		
236.0	236.85	Quartzite	Medium grain, green arkosic. Occasional quartz clast and dark stringer. Good quality core.			01197	236.0	236.85	0.85m		
236.85	237.30	Quartzite	Medium grain, massive green arkosic quartzite. <1% pyrite.			01198	236.85	237.30	0.45m		
237.30	237.43	Conglomerate	Loosely packed QPC. 5cm band of 1cm pebbles. White quartz pebbles. <1% pyrite.			01199	237.30	237.43	0.13m		
237.43	237.70	Conglomerate	Medium packed QPC. 1to2cm smokey pebbles. 30to 40% pebble content. <1% pyrite.			01200	237.43	237.70	0.27m		
237.70	237.90	PBQZ	Loosely packed, light green groundmass. 10% pebble to 1cm. <1% pyrite.			01201	237.70	237.90	0.20m		
237.90	238.04	Quartzite	Medium grain, green arkosic quartzite.			01202	237.90	238.04	0.14m		
238.04	238.33	Conglomerate	Loosely packed QPC. Few larger pebbles mixed with pea-sized to 1cm. Angular clasts. Light, smokey to grey. 5% pyrite. Trace chalcopyrite.			01203	238.04	238.33	0.29m		
238.33	238.52	Conglomerate	Loosely packed QPC. Light quartz pebbles to 3cm. Pyrite as stringers to 5%			01204	238.33	238.52	0.19m		
						Duplicate	01205	238.33	238.52	0.19m	
238.52	238.86	Conglomerate	Loosely packed QPC. Smokey pebbles to 2cm. Sub-rounded. <1% pyrite.			01206	238.52	238.86	0.34m		
238.86	239.05	Conglomerate	Well packed QPC. 70% pebble content. 20% pyrite. Angular and elongated pebbles. Smokey. Sericitic shards.			01207	238.86	239.05	0.19m		

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From/De	To/À						From/De	To/À		
239.05	239.50	Conglomerate	Well packed QPC. 60% pebble content.. 30% pyrite. Detrital. Smokey pebbles to 3cm. Larger white pebbles are sub-rounded, shards of quartz and chert with micro fracturing. Pebbles are layered with fragments of weathering.			01208	239.05	239.50	0.45m	
239.50	239.70	Conglomerate	Medium packed. 30% pebble content. 2cm smokey pebbles in a gritty matrix of smokey quartz grains, pyrite and sericitic cement. 10% pyrite.			01209	239.50	239.70	0.20m	
239.70	239.87	Conglomerate FW Main	Medium packed. 20% pebble content to 3cm. Angular pebbles. Coarse matrix. 10 to 15% pyrite at top. Fracture at lower contact with FW. Quartzite has few quartz veinlets with orange staining. Sharp lower contact.			01210	239.70	239.87	0.17m	
239.87	240.05	Quartzite	Medium grain, sericitic(yellowish) quartzite. Broken . Soft, muddy fracture at lower contact. 70deg to LCA.			01211	239.87	240.05	0.18m	
240.05	240.60	Quartzite	Medium grain, massive . Light green. Trace pyrite.			01212	240.05	240.60	0.55m	
240.60	251.83	Quartzite	As above. Occasional dark stringer. Bedding 70deg to LCA. Massive.							
251.83	252.18	Lamprophyre	Fine grain, black. Soft (white powder). Chloritic and carbonaceous. 23deg to LCA Upper contact has quartz/carbonate coating. Lower contact is more irregular with white quarts shard imbedded in dyke.							
252.18	252.30	Quartzite	Medium grain. Occasional quartz clast. Orange/red staining of clast.			01213	252.18	252.30	0.12m	
252.30	252.53	PBQZ	Loosely packed, 1cm pebbles. 20% content. 5% pyrite. Quartz streaking with orange staining and micro-fracturing. Feldspar alteration.			01214	252.30	252.53	0.23m	
252.53	252.9	Quartzite	Medium to coarse grain arkosic. Smokey quartz grains. Occasional 1cm quartz clast. Micor-fracturing in part. <1% pyrite.			01215	252.53	252.90	0.37m	
252.90	253.52	Quartzite	Medium to coarse grain, green arkosic. Occasiona quartz veinlet. <1% pyrite.			01216	252.90	253.52	0.62m	
253.52	253.80	PBQZ	Medium grain, darker green PBQZ. 10% pebble content. Pebbles to 1cm. Smokey quartz grains. Light yellow cement ans matrix. <1% pyrite.			01217	253.52	253.80	0.28m	
253.80	254.0	PBQZ	Medium to coarse grain. Darker green. Light matrix cement. <1% pyrite.			01218	253.80	254.0	0.20m	

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254.0	254.33	PBQZ	Medium grain, dark green. <1% pyrite. Dark quartz grains in a lighter cement.			01219	254.0	254.33	0.33m		
254.33	254.67	Conglomerate	Well packed QPC. 50 to 60 % pebble content to 2cm. Sub-rounded mainly 1cm quartz pebbles. Mix of quartz/chert/feldspar/mafic pebbles. Pyrite coats some pebbles. Yellowish cement prominent. Tiny black shards imbedded in matrix.			01220	254.33	254.67	0.34m		
		Basal Unit	5% non-detrital pyrite.								
254.67	254.91	PBQZ	Dark green medium to coarse PBQZ. Smokey quartz grains in a sericite matrix. Sharp contact with volcanics. Pyrite lining and streaks of pyrite at contact. Unconformity @ ~ 70 to LCA.			01221	254.67	254.91	0.24m		
254.91	255.63	MetaVolcanics	Very fine grain dark green. Soft (white powder). Pyrite specks. Chloritic. Fractured 5 to 10 deg to LCA. Runs along core axis. No alteration or staining.			01222	254.91	255.63	0.66m		
255.63	263.0	Volcanics	Fine grain, dark green to black. Numerous quartz/carbonate veinlets. Also bull quartz. Mottled sections of plagioclase/quartz and mafic shards. (albite alteration). Minor foliation and schistose areas. Pyrite associated with quartz.								
						Blank					
						Standard					
			EOH 263.0								
			Acid test corrected to :			39 samples					

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Hole ID / Forage n° PM-08-76		Claim No. / N° de concession minière SSm 4218565		Township/Area / Canton Joubin	
Name of Land Holder / No. de Pele Mountain Resources		Azimuth 180 °	Dip / Inclinaison -85 °	End of Hole (m) / fin de forage (m) 310	Overburden Depth / profondeur des morts- terrains 11.0
Drilling Company / Compagnie de forage M. G. Drilling		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 354m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/ff)	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/ff)	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/ff)	Location of Core Storage / Endroit où la carotte est stockée		
2008-01-24	2008-01-25	2008-01-26	Elliot Lake. ON.		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5138618	Longitude:
Easting / Abscisse: 383090	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	11.0	Casing	Mix of pink and grey granite, quartzite, argillite rubble.							
11.0	98.2	Argillite	Fine grain, dark green to grey. Fine laminated sections or bedding features, 75 deg to LCA. Occasional bull quartz in soft dark green matrix- silty.							
98.2	101.7	Argillite	Interbedded argillite and grey quartzite. Occasional argillite shard . Fine bedding features. 70deg to LCA. No distinct contacts.							
101.7	104.0	Ramsey Lake Conglomerate	Medium grain, dark grey. Lighter grey granite clasts to 3cm. Trace pyrite and chalcopyrite.							
104.0	110.48	Quartzite	Medium grain, grey . Occasional x-bedding quartz veinlet.							
110.48	111.83	Siltstone	Fine grain, buff. Contacts 55 to 75 deg to LCA. Upper 0.2m gritty with tiny mafic clasts. 110.8 to 111.1 - sheared, muddy siltstone. Occasional bull quartz.							
111.83	116.74	Quartzite	Medium to coarse grain, grey to medium grey. Occasional pea-sized pebble.							

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116.74	118.70	Quartzite	Coarse grain to PBQZ. 30 to 40 quartz pebble to 1cm. Occasional mafic clast. Light grey matrix - sericitic. Groundmass comprised of quartz grains. Trace pyrite. Occasional light green sericitic shard.							
118.70	121.4	Quartzite	Medium to coarse grain light grey to green. Occasional quartz clast. Numerous narrow dark bands with trace pyrite. 75 deg to LCA.							
121.4	143.8	Quartzite	Medium grain, grey. Occasional quartz clast. Occasional dark stringer. Occasional bull quartz vein.							
143.8	144.62	Quartzite	Coarse, brecciated, light grey. Chippy and broken.							
144.62	162.0	Quartzite	Medium to coarse grain, grey. Occasional 2 to 3cm quartz clast. Green tinge to core. Sericitic. 149.6 to 149.80 - Bull quartz vein. 30 deg to LCA 158.1 to 162.20 - QPC. - light, no min. 2-3cm quartz pebbles. Odd sericitic, elongated pebble with pyrite blebs associated. 20% pebble content.							
162.0	170.84	Quartzite	Medium to coarse grain, grey. Occasional 2 - 3 cm quartz pebble and dark band.							
170.84	193.20	Quartzite	Medium grain, grey. Tiny white quartz grains in grey groundmass. Occasional bull quartz section, 25deg to LCA. 7cm @ 183m. Sharp contact with green quartzite. 75deg to LCA.							
193.20	221.20	Quartzite	Medium grain, green arkosic. Numerous narrow mineralized dark stringers 80deg to LCA. Occasional quartz clast. Trace pyrite. Good quality core.							
221.20	221.60	Mafic Sill	Dark green, medium grain. Angular mafic clasts in a dark matrix. Sharp contacts @ 85deg to LCA. No mineralization.							
221.60	229.45	Quartzite	Medium grain, green arkosic. Occasional quartz clast. Occasional dark stringer.							

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229.45	276.27	Quartzite	As above. Numerous narrow dark bands. Increase in floaters reefs and gritty zone PBQZ sections weakly formed. QPC @ 269.2m(10cm) 269.5(6cm), 274.8(16cm) Occasional quartz pebble to 1cm and trace pyrite. Bedding roughly @ 80deg to LCA. Fair pyrite associated with PBQZ and QPC beds.							
276.27	283.6	Quartzite	Medium to coarse grain, green arkosic. PBQZ and narrow dark banding with trace pyrite. Occasional white quartz clast. Bedding 80 to 85 deg to LCA. 276.6 - high < fracture 10deg to LCA. No oxidation. 278.2 - as 276.6							
283.6	284.23	Quartzite	Medium grain green arkosic. 5% pea-sized pebbles up to 1cm diam. White quartz pebbles. Trace pyrite.			01312	283.6	284.23	0.63m	
284.23	284.56	PBQZ	Loosely packed. 10 to 20 % pebbles to 1cm. Smokey. <1% pyrite. Good quality core.			01313	284.23	284.56	0.33m	
284.56	285.07	Quartzite	Medium grain, green arkosic. Occasional 1cm quartz pebble. Few narrow dark bands. <1% pyrite. Good core quality.			01314	284.56	285.07	0.51m	
285.07	285.37	Conglomerate HW Main	Medium packed QPC. 40% pebble content to 1cm. Rounded and angular. 2% pyrite. Smokey and white pebbles. Yellow/green cement. Appears to be faulted here. Tight high < fracture with displacement. Irregular contact. 10 to 15 deg to LCA. Not open. No chill zone. Good quality core.			01315	285.07	285.37	0.30m	
285.37	285.57	Conglomerate	Medium packed. Pebble to 2cm. Smokey groundmass. 1% pyrite.			01316	285.37	285.57	0.20m	
285.57	285.70	Conglomerate	Well packed. 60 % pebble content. 1cm diam. Smokey. 5% pyrite.			01317	285.57	285.70	0.13m	
285.70	285.90	Conglomerate	Loosely packed. Occasional pebble to 2cm. <1% pyrite.			01318	285.70	285.90	0.20m	
285.90	286.10	Conglomerate	Well packed. Smokey pebbles to 2cm. Angular. 30% pyrite.			01319	285.90	286.10	0.20m	
286.10	286.22	Conglomerate	Medium packed pebbles to 1cm. 25% pebble content. <1% pyrite.			01320	286.10	286.22	0.12m	
286.22	286.38	Quartzite	Medium to coarse, green arkosic. Occasional quartz pebble. Smokey matrix.			01321	286.22	286.38	0.16m	

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286.38	286.65	Conglomerate	Well packed. White and smokey pebbles to 3cm. 25% pyrite and chalcopyrite. Some pebbles are layered.			01322	286.38	286.65	0.27m		
286.65	287.06	Conglomerate	Well packed pebbles to 3cm. Occasional mafic clast. 25% pyrite. Smokey matrix			01323	286.65	287.06	0.41m		
287.06	287.35	Conglomerate	Well packed, smokey quartz pebbles to 3cm. 20% buckshot pyrite near FW.			01324	287.06	287.35	0.29m		
		FW Main	FW contact gradational with pebbles floating into quartzite.								
287.35	288.16	Quartzite	FW quartzite. Medium grain, massive green arkosic. Fine grain sections.			01325	287.35	288.16	0.81m		
288.16	298.46	Quartzite	Medium grain, green arkosic. Massive. Occasional quartz clast and dark band.								
298.46	298.88	Quartzite	Medium grain, green arkosic. Tiny white quartz grains in matrix.			01326	298.46	298.88	0.42m		
298.88	299.27	PBQZ	Darker green coarse grain. Smokey pea-sized quartz pebble. Light green sericitic cement in groundmass. Trace pyrite.			01327	298.88	299.27	0.39m		
299.27	299.94	PBQZ	Darker green loosely packed. Pea-sized pebbles. <1% pyrite.			01328	299.27	299.94	0.67m		
299.94	300.55	PBQZ	Dark green coarse grain. Occasional quartz clast. Smokey groundmass.			01329	299.94	300.55	0.61m		
300.55	300.70	Conglomerate	Loosely packed. 20% white quartz pebbles to 2cm in dark smokey groundmass.			01330	300.55	300.70	0.15m		
		HW Basal	<1% pyrite.								
300.70	300.97	PBQZ	Coarse, dark groundmass with occasional pea-sized quartz pebble. <1% pyrite.			01331	300.70	300.97	0.27m		
300.97	301.17	PBQZ	Coarse grain, smokey quartz grains in light sericitic cement. Occasional quartz pebble to 2cm diam. 3cm wide band of QPC at unconformity contact.			01332	300.97	301.17	0.20m		
		FW Basal	Pebbles truncated - streaks of pyrite at contact. 85deg to LCA.								
301.17	301.95	Volcanics	Very fine grain, dark green. Looking brecciated and tuffaceous. Felsic dyklets			01333	301.17	301.95	0.78m		
		Huronian	of very fine grain, grey plagioclase/ albite alteration. Slight foliation. Soft chloritic.								
301.95	305.55	Volcanics	Very fine grain, dark green. Increase in albite alteration and foliation. Quartz carbonate veinlets. Soft - chloritic.								

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Hole ID / Forage n° PM-08-77		Claim No. / N° de concession minière SSM3009485		Township/Area / Canton Joubin	
Name of Land Holder / No. de Pele Mountain Resources		Azimuth 180 °	Dip / Inclinaison -85 °	End of Hole (m) / fin de forage (m) 243	Overburden Depth / profondeur des morts- terrains 3.0m
Drilling Company / Compagnie de forage M. G. Drilling Inc.		Logged by (print) / Inscrit par (écriture en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 386m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-01-28	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-01-29	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-01-30	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake. ON.		

### DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE

#### UTM / MTU

Datum:  NAD 27  NAD 83  
Zone:  15  16  17  18  
Northing / Ordonnée: 5138389  
Easting / Abscisse: 383589

#### Latitude / Longitude

degrees/minutes/seconds or decimal values  
degrés/minutes/secondes ou valeurs décimales  
Datum:  NAD 27  NAD 83  
Latitude:  
Longitude:

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	3.0	Casing	Argillite, granite mix of rubble.							
3.0	28.7	Argillite	Interbedded greywacke and argillite beds. Very fine grain beds @ 9.7m(33cm). 10.8m to 12.4m, 17.1, 18.0 to 25.15. Gradational. Some sections are soft. Minor oxidation on fractures and joints. Some bedding planes @75deg to LCA. Iron carbonates in mottled sections. 17.3 to 17.6 - prominent shards of greywacke and argillite in quartz grains - calcite/carbonate matrix. Siltstone/argillite sections of lighter green. Lower contact gradational into quartzite. Slightly brecciated.							
28.7	37.4	Quartzite	Medium to coarse grain, grey to buff. Massive. Tiny white quartz and feldspar grains. Occasional narrow quartz vein.							
37.4	37.6	Bull Quartz	White, mixed with sericitic grains and pyrite blebs.							

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

"Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)"

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**Drill Log**  
**Journal de forage**

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
37.6	46.0	Quartzite	Coarse, greenish/grey. Numerous white quartz clasts to 1cm. Occasional quartz veinlet. Trace pyrite.							
46.0	72.2	Quartzite	Buff to whitish/grey coarse. Occasional quartz clast. Broken core @ 55.5 to 55.8 Fracture @ 54.65(15deg to LCA), 56.0(15deg), 57.0 to 57.6 - broken core. Occasional dark stringer with trace pyrite. Bedding @ 75deg to LCA.							
72.2	73.1	Siltstone	Light green, fine grain sericitic siltbed with tiny dark laths.							
73.1	88.8	Quartzite	Fine to medium grain, grey to pink. Bedding planes @ 75deg to LCA. Occasional narrow dark stringer. Occasional mafic and quartz clast. Ground core - slightly broken. Slight pink hue to core.							
88.8	105.0	Quartzite	Fine to medium grain. Interbedded fine siltstone beds. Faint pink tint to core. Occasional quartz clast. Increase in broken or blocky core. Bedding @ 75deg.							
105.0	107.6	Quartzite	As above with increase in buff fine grain siltstone.							
107.6	111.3	Quartzite	Buff to grey. Fine grain. 108.6 to 109.0 - broken and slightly brecciated. Occasional quartz/ carbonate veinlet.							
111.3	117.8	Quartzite	Grey, medium grain. Bedding planes present. Massive.							
117.8	120.6	Quartzite	Coarse grain, grey quartzite with PBQZ and QPC sections. 10 to 20% pebble content with pebbles to 1cm. Occasional 3cm pebble. Trace pyrite. Contacts are gradational.							
120.6	121.83	Quartzite	Medium grain, grey to green. Occasional white quartz clast. Felsic dyklots cutting core. Sericitic and quartz veinlets. 1 to 2cm wide.							
121.80	136.05	Quartzite	Medium to coarse grain, grey. Occasional 3cm quartz and mafic clast. Massive. Good core.							
136.05	186.0	Quartzite	Medium to coarse grain green arkosic quartzite Bull quartz at contact with upper quartzite bed. Narrow dark stringers. Trace pyrite.							

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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**Drill Log**  
**Journal de forage**

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
186.0	198.6	Quartzite	As above but with increase in dark stringers. Gritty PBQZ sections.							
198.6	211.5	Quartzite	Medium to coarse grain, green arkosic. Very blocky core. Dark stringers and occasional quartz clast. Dark staining on fracture surfaces.							
			199.22 to 199.43 - Lamprophyre dyke. Medium soft with quartz carbonate veins							
			Sharp 20deg contact.							
211.5	213.3	Quartzite	Medium to coarse grain, green arkosic. Better quality core.							
213.3	216.88	Quartzite	Medium to coarse grain, green arkosic. PBQZ and QPC beds @ 212.8 to 213.01							
			214.88 to 214.96. Fair pyrite. Pea-sized pebbles to 1cm. Smokey and some chert. Core slightly broken . Bedding @ 70deg.							
216.88	217.33	PBQZ	Medium grain, green arkosic matrix. 10% pebble content to 1cm. <1% pyrite.			01336	216.88	217.33	0.45m	
217.33	218.47	Quartzite	Coarse grain, gritty, green. Occasional dark stringer. <1% pyrite. Fracture @ 217.7 (25deg)			01337	217.33	218.47	1.14m	
218.47	218.80	PBQZ	Better packed. !5% pebble to 1cm.<1% pyrite. Good core.			01338	218.47	218.80	0.33m	
		Strat HW								
218.80	219.0	Quartzite	Coarse PBQZ. <1% pyrite.Smokey grains. Good core.			01339	218.80	219.0	0.20m	
219.0	219.15	Conglomerate	Medium packed. Pea-sized to 1cm. Smokey. 2% pyrite.			01340	219.0	219.15	0.15m	
		HW Main								
219.15	219.47	Conglomerate	Medium packed. 30% pebble content to 1cm. Smokey. Light yellow cement. <1% pyrite.			01341	219.15	219.47	0.32m	
219.47	219.70	Conglomerate	Medium packed. 40% pebble to 1cm. Some elongated. 4cm section of 50% pyrite			01342	219.47	219.70	0.23m	
219.70	219.88	PBQZ	Loosely packed pebbles to 1cm. Occasional mafic clast. <1% pyrite.			01343	219.70	219.88	0.18m	
219.88	220.12	Quartzite	Coarse grain, green arkosic.Occasional white quartz clast. <1% pyrite.			01344	219.88	220.12	0.24m	
220.12	220.42	Conglomerate	Well packed. 60% pebble content to 2cm. Sub-rounded pebbles. Smokey. Poor pyrite 2 to 5%			01345	220.12	220.42	0.30m	
					Duplicate	01346	220.12	220.42	0.30m	

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
220.42	220.56	Conglomerate	Well packed pebble to 3cm. White quartz pebbles and smokey grains in matrix.			01347	220.42	220.56	0.14m		
		FW Main	Heavy buckshot pyrite to 50%. Sharp lower contact @ 70deg.								
220.56	220.93	Quartzite	Coarse grain, green arkosic. Smokey quartz grains. Two 3cm QPC bands with trace pyrite.			01348	220.56	220.93	0.37m		
220.93	221.13	PBQZ	Coarse grain. Occasional pebble to 1cm. 3 pyrite stringers 1cm wide. Dark bands This seems unusual in FW quartzite.			01349	220.93	221.13	0.20m		
221.13	221.76	Quartzite	Medium to coarse grain. Green arkosic. 1 4cm QPC band with fair pyrite.			01350	221.13	221.76	0.63m		
221.76	222.20	Quartzite	Medium to coarse grain, green arkosic. Silty at bottom.			01351	221.76	222.20	0.44m		
222.2	233.28	Quartzite	Massive medium to coarse, green arkosic quartzite. Narrow dark bands midway down section. Occasional quartz clast.								
233.28	233.63	Quartzite	Fine to medium grain dark green. Smokey quartz grains in matrix.								
233.63	234.10	Quartzite	Medium to coarse darker green arkosic quartzite.			01352	233.63	234.10	0.47m		
234.10	234.44	Conglomerate	Medium packed QPC. 3cm pebbles - red chert with some staining in pebbles.			01353	234.1	234.44	0.34m		
		Basal	Heavy cubic and buckshot pyrite. Upper contact @ 65deg. Unconformity at lower contact @ 35deg. Very sharp.								
234.44	235.13	Siltstone	Light green, bedded with gritty sericitic "soil". Fine greenish cement with tiny mafic grains. Definite bedding planes or layering. No min.			01354	234.44	235.13	0.69m		
		Paleosol									
235.13	236.4	Siltstone	As above - slightly darker to bottom. Layered.								
236.4	236.6	Volcanics	Very fine grain, dark green basalt.- chloritic. Massive. First part of section broken and crumbly. Some carbonate veining. Possible 1.2m lost core.								
			237.2 m end of Box57			Blank					
						Standard					
236.6	243.0	Volcanics	Very fine gain dark green massive basalt. Layered in sections. Pyrrhotite blebs Pyrite heavy at contact. Occasional white quartz clast. Soft, chloritic.								
			239.1 to 243.0 - foliated, lighter green. Iron carbonate- albite alteration.								

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Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

## Drill Log Journal de forage

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Hole ID / Forage n° PM-08-78		Claim No. / N° de concession minière SSM3009471		Township/Area / Canton JOUBIN	
Name of Land Holder / No. de Pelc Mountain		Azimuth 180 °	Dip / Inclinaison -85 °	End of Hole (m) / fin de forage (m) 132m	Overburden Depth / profondeur des morts- terrains 12m
Drilling Company / Compagnie de forage M.G. Drilling Inc.		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 365m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mmm/jj)	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mmm/jj)	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mmm/jj)	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON.		
2008-01-30	2008-01-31	2008-02-03			

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
UTM / MTU	Latitude / Longitude degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5138261	Longitude:
Easting / Abscisse: 384163	

Footage/Avancement	Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
						From/De	To/À		
0.0	12.0	Casing							
12.0	19.1	Quartzite							
		Blocky core. Occasional mafic clast.							
19.1	22.1	Quartzite							
		Medium grain, green arkosic. Fine grain sections at bottom. Minor oxidation. Bedding @ 80deg to LCA.							
22.1	90.2	Quartzite							
		Medium to coarse grain, green arkosic. Numerous narrow dark stringers and bands. Smokey quartz grains and trace pyrite. Occasional white quartz clast.							
90.2	90.8	PBQZ			01357	90.2	90.8	0.60m	
90.8	91.0	Conglomerate			01358	90.8	91.0	0.20m	
91.0	91.3	PBQZ			01359	91.0	91.3	0.30m	
91.3	91.7	Conglomerate			01360	91.3	91.7	0.40m	

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Drill Log  
Journal de forage

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
91.7	92.1	PBQZ	Coarse grain, green arkosic. Occasional white quartz clast. Few dark stringers.			01361	91.7	92.1	0.40m		
92.1	93.32	Quartzite	Medium grain, green arkosic. Occasional dark stinger.								
93.32	93.42	Conglomerate	Weak smokey floater reef. <1% pyrite.								
93.42	94.93	Quartzite	Medium to coarse grain, green arkosic. Occasional quartz clast.								
94.93	95.15	PBQZ	Loosely packed, pea-sized to 1cm pebbles. Smokey. <1% pyrite.								
95.15	95.38	Quartzite	Medium grain, green arkosic quartzite.								
95.38	96.10	PBQZ	Loosely packed. Occasional quartz clast to 1cm. Dark stringers. <1% pyrite.								
96.10	97.82	Quartzite	Medium to coarse grain, green arkosic. Numerous dark bands. <1% pyrite.								
97.82	98.07	PBQZ	Loosely packed, coarse. Smokey grains. <1% pyrite.								
98.07	98.28	Quartzite	Coarse green arkosic quartzite.								
98.28	98.57	PBQZ	Coarse, green arkosic quartzite. Barren.								
98.57	98.86	Conglomerate	Weak and loosely packed. Smokey pebbles to 1cm.<1% pyrite.			01362	98.57	98.86	0.29m		
98.86	99.06	Quartzite	Medium grain, green arkosic quartzite. Barren.								
99.06	99.40	PBQZ	Loosely packed. Occasional dark stringer with trace pyrite.			01363	99.06	99.40	0.34m		
99.40	100.13	Quartzite	Coarse grain, green. Occasional white quartz clast. Occasional dark stringer.								
100.13	100.67	PBQZ	Coarse grain with occasional quartz clast. Dark stringers with trace pyrite.								
100.67	100.87	Quartzite	Medium to coarse grain, green arkosic quartzite.								
100.87	101.23	PBQZ	Loosely packed with occasional dark stringer. Trace pyrite.								
101.23	101.70	Quartzite	Medium grain, massive green arkosic quartzite.								
101.70	102.27	PBQZ	Loosely packed. Occasional 1cm smokey pebble. Trace pyrite.								
102.27	102.47	Quartzite	Medium to coarse grain, green arkosic quartzite.								
102.47	103.70	PBQZ	Loosely packed with occasional white quartz pebble. Dark stringers. <1% pyrite.								
103.70	104.67	Quartzite	Coarse grain, green arkosic quartzite with occasional quartz clast. Dark bands.								
104.67	105.20	PBQZ	Loosely packed as 102.47 to 103.70.								

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pièdes des carottes prélevées	Your Sample No./ N° d'e hantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pièdes)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
105.20	106.20	Quartzite	Medium to coarse grain, green. Barren. Occasional white quartz elast. Good core.							
106.20	106.70	PBQZ	Coarse grain, green, pea-sized pebbles. <1% pyrite. Occasional smokey band of 1cm pebbles.			01364	106.20	106.70	0.50m	
106.70	107.15	Quartzite	Coarse grain, green arkosic quartzite. Occasional weak band of PBQZ. <1% pyrite.			01365	106.70	107.15	0.45m	
107.15	107.35	Quartzite	Medium grain. Barren. Green quartzite.			01366	107.15	107.35	0.20m	
107.35	107.64	Conglomerate	Loosely packed. 1cm smokey pebbles. 1% pyrite.			01367	107.35	107.64	0.29m	
		Strat. HW Main								
107.64	107.84	Quartzite	Medium grain, barren, green quartzite.			01368	107.64	107.84	0.20m	
107.84	108.20	Conglomerate	Medium packed 1-2cm diam pebbles -50% content. Smokey and mafic clasts. Econ. HW			01369	107.84	108.20	0.36m	
108.20	108.50	PBQZ	Loosely packed, pea-sized to 1cm pebbles. <1% pyrite.			01370	108.20	108.50	0.30m	
108.50	108.84	Conglomerate	Well packed smokey 1-2cm pebbles to 70% content. 20% pyrite. Sub-rounded and angular pebbles.			01371	108.50	108.84	0.34m	
108.84	109.17	Conglomerate	Well packed as above. Pebbles to 2cm. 30% pyrite.			01372	108.84	109.17	0.33m	
109.17	109.30	Conglomerate	Loosely packed, light green matrix. <1% pyrite. Tight closed fracture @ 15deg.			01373	109.17	109.30	0.13m	
109.30	109.55	Conglomerate	Well packed, smokey sub-rounded and angular pebbles. 10% pyrite. Smokey grains in matrix.			01374	109.30	109.55	0.25m	
109.55	109.90	Conglomerate	Medium packed, pea-sized to 1cm pebbles in smokey matrix. 10% pyrite. Core is blocky and split along LCA.		Duplicate	01375	109.30	109.55	0.25m	
109.90	110.15	Conglomerate	As above. Heavy pyrite stringers. Core split along LCA			01377	109.90	110.15	0.25m	
110.15	110.56	Conglomerate	Loosely packed. Elongated pebbles to 2cm. Heavy pyrite -detrital at top. Gradational into lower FW quartzite.			01378	110.15	110.56	0.41m	
110.56	110.90	Quartzite	Medium grain, barren, green arkosic quartzite.			01379	110.56	110.90	0.34m	

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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**Drill Log**  
**Journal de forage**

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
110.90	113.75	Quartzite	Medium to coarse, gritty, green arkosic quartzite. Occasional quartz clast. Occasional dark band. Fracture @ 111.47m(30deg to LCA) 111.62(5deg)							
113.75	114.30	Quartzite	Medium grain, green arkosic quartzite. Barren.							
114.30	116.40	Quartzite	Medium to coarse grain. Two sections of grey coarse quartzite.							
116.40	119.20	Quartzite	Fine to medium grain darker green quartzite. Few narrow quartz/carbonate veinlet Mottled sections of feldspar altered grains.							
119.20	121.20	Quartzite	Fine to medium grain, dark grey. Dark banding. Occasional quartz clast. No mineralization. Some orange feldspar in matrix. Some x-bedding. Minor hematite staining appearing as streaking.							
121.20	121.50	Unconformity	Broken - brecciated, with muddy sections containing volcanic shards. Much hematite staining. Chloritic fragments. Minor carbonate streaks. Not radioactive							
121.50	122.70	Volcanics	Highly banded fine grain dark green volcanics with light green sections and red hematite staining, and layered basalt.							
122.70	126.50	Volcanics	Fine grain dark green dense basalt. All fracturing is stained red. Core broken. Occasional light grey amygdale.							
126.50	132.0	Volcanics	Very fine grain dark green to black. Numerous amygdalae and foliated carbonate sections.			Blank Standard DL-1a	01380 01381			
			EOH 132.0							

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Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Drill Log Journal de forage

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Table with 4 main sections: Hole ID / Forage n°, Claim No. / N° de concession minière, Township/Area / Canton, Name of Land Holder / No, de, Azimuth, Dip / Inclinaison, End of Hole (m) / fin de forage (m), Overburden Depth / profondeur des morts-terrains, Drilling Company / Compagnie de forage, Logged by (print) / Inscrit par (écrire en lettres moulées), Core Size / Dimensions de la carotte, Collar Elevation / Elévation du collier, Date Hole Started / Date de commencement du forage, Date Completed / Date d'achèvement, Date Logged / Date d'inscription au journal, Location of Core Storage / Endroit où la carotte est stockée.

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE. Includes UTM / MTU and Latitude / Longitude sections with input fields for Datum, Zone, Northing, and Easting.

Main data table with columns: Footage/Avancement (From/De, To/À), Rock type / type de roche, Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.), Planar Feature Angle \* / Angle des caractéristiques planes, Core Specimen Footage / Longueur en pieds des carottes prélevées, Your Sample No. / N° d'échantillon du prospecteur, Sample Footage / Niveau de prélèvement de l'échantillon (en pieds) (From/De, To/À), Sample Length / Longueur de l'échantillon, Assays / Analyses minéralurgiques.

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"Site Web de la Section des terrains miniers : http://www.mndm.gov.on.ca/mndm/mines/lands/default\_f.asp"

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
			this feature. Could be a major fault. The FW intersections of the Main Zone and the unconformity indicate some displacement when compared to the projected intersections.							
48.0	81.0	Quartzite	Medium to coarse grain, green arkosic quartzite. Numerous narrow dark bands. Occasional quartz clast. Bedding @ 75deg to LCA. Minor orange staining. Occasional fine grain section. Good quality core.							
81.0	108.15	Quartzite	Medium to coarse grain, green arkosic. No oxidation. Good core. Numerous dark bands with trace pyrite. Increase in PBQZ associated with banding. Pebbles to 1cm diam. occasionally.							
108.15	109.65	Quartzite	Medium to coarse grain. Occasional 1cm quartz pebble and dark stringer.							
109.65	110.16	Quartzite	Medium to coarse grain. As above.			01382	109.65	110.16	0.51m	
110.16	110.72	Quartzite	Medium grain, green. Two PBQZ beds 3 to 5cm wide. Trace pyrite			01383	110.16	110.72	0.56m	
110.72	111.13	PBQZ	20% smokey quartz pebbles to 1cm. Poor interstitial pyrite to 1%.			01384	110.72	111.13	0.41m	
111.13	111.32	Quartzite	One dark band in coarse grain, green arkosic matrix.			01385	111.13	111.32	0.19m	
111.32	111.52	PBQZ	Weak - 20% pebbles to 1cm. White and smokey pebbles. <1% pyrite.			01386	111.32	111.52	0.20m	
111.52	111.77	Quartzite	Coarse grain, green. One PBQZ band - 5cm.			01387	111.52	111.77	0.25m	
111.77	112.02	Quartzite	Coarse grain, green massive quartzite.			01388	111.77	112.02	0.25m	
112.02	112.23	PBQZ	Loosely packed with smokey pebbles to 1cm. 25% content. <1% pyrite.			01389	112.02	112.23	0.21m	
		Strat. HW								
112.23	112.45	Conglomerate	Two bands QPC. Angular pebbles to 2cm. <1% pyrite.			01390	112.23	112.45	0.22m	
112.45	112.56	Quartzite	Medium grain green arkosic.			01391	112.45	112.56	0.11m	
112.56	112.72	Conglomerate	Well packed pebbles to 2cm. Angular, smokey quartz pebbles. 25% pyrite.			01392	112.56	112.72	0.16m	
		Econ. HW	Elongated pebbles.							
112.72	112.97	Conglomerate	Medium packed QPC. Smokey pebbles to 3cm. 5% pyrite.			01393	112.72	112.97	0.25m	

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'e hantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
					Duplicate	01394	112.72	112.97	0.25m		
112.97	113.27	Conglomerate	Well packed QPC with white and smokey pebbles. Quartz/chert to 3cm. Buckshot pyrite to 25%.			01395	112.97	113.27	0.30m		
113.27	113.50	Conglomerate	Loosely packed QPC. 20-30% pebble content. One 7cm band with 5% pyrite. 3cm band of QPC at bottom of section.			01396	113.27	113.50	0.23m		
113.50	113.82	PBQZ	Loosely packed intercalated QPC and quartzite. 3 bands of 5cm wide QPC. Weak fine pyrite to 2%.			01397	113.50	113.82	0.32m		
113.82	114.18	Quartzite	Medium grain, green arkosic quartzite. Occasional pea-sized grey quartz clast. <1% pyrite.			01398	113.82	114.18	0.36m		
114.18	114.36	Conglomerate	Loosely packed QPC with 2cm pebbles of white quartz. 10% content. <1% pyrite.			01399	114.18	114.36	0.18m		
114.36	114.67	Quartzite	Medium to coarse grain, green arkosic. Barren.			01400	114.36	114.67	0.31m		
114.67	117.00	Quartzite	Coarse grain, green arkosic. Occasional pea-sized white quartz clast. Narrow dark banding.								
117.00	122.06	Quartzite	As above.								
122.06	123.36	Quartzite	Medium to coarse grain. Darker green. Occasional white quartz pebble. Darker green gradational to bottom. Unconformity @ 70deg to LCA - sharp contact.								
123.36	124.2	Volcanics	Very fine grain, dark green to black - dense basalt. 50% red hematite staining. Core fairly soft to scratch test.								
124.2	124.2	Fault	Reported by drillers as lost water and fault.								
124.2	124.3	Volcanics	Very fine grain black. Quartz/carbonate vein- brecciated and cut by lower unit.								
124.3	126.0	Volcanics	Very fine grain, black - dense. Minor hematite banding.		Blank	01401					
126.0	132.0	Volcanics	Fine grain dark grey to black. Foliated with carbonate interbanding with basalt. Xenolithic lighter grey banding. Carbonaceous.	EOH 132.0	DL-1a	01402					

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Hole ID / Forage n° PM-08-80	Claim No. / N° de concession minière SSM 3009471	Township/Area / Canton Joubin
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Name of Land Holder / No. de Pelc Mountain	Azimuth 090 °	Dip / Inclinaison -45 °	End of Hole (m) / fin de forage (m) 63.54	Overburden Depth / profondeur des morts- terrains 1.0m
Drilling Company / Campagne de forage M. G. Drilling Inc.	Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 400m

Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mmm/jj) 2008-02-09	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mmm/jj) 2008-02-10	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mmm/jj) 2008-02-10	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, On.
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DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u>
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5137992	Longitude:
Easting / Abscisse: 384645	

Footage/Avancement	Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
						From/De	To/À		
0.0	1.0	Casing							
1.0	13.0	Quartzite							
		Medium grain grey quartzite							
		Medium to coarse grain, green arkosic quartzite. Gritty to PBQZ sections. Dark stringers and pebbly sections. Trace pyrite and smokey grains. Bedding 50deg to LCA. Rusty-brown, oxidized sections, some associated with fractures and some with entire beds. Occasional chloritic/biotite-"blotchy" sections.							
13.0	25.6	Quartzite							
		Medium to coarse grain, green arkosic. Increase in oxidation of entire beds up to 1.5m wide. PBQZ to QPC beds @ 14.85(0.30m), 21.5(0.3m). Fracture @ 23.0(45deg), 23.5(5deg - irregular). Some of core is "blocky"							
25.6	26.0	Quartzite							
		Coarse, gritty, light green quartzite. Bleached looking and oxidized with some orange staining. Occasional white quartz clast. Core broken in lower 0.4m.							
26.0	26.58	Quartzite			01403	26.0	26.58	0.58m	

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From/De	To/À						From/De	To/À			
26.58	26.74	Quartzite	Medium grain. light green - bleached, arkosic.			01404	26.58	26.74	0.16m		
26.74	27.00	Quartzite	Medium to coarse grain. PBQZ first 7cm. <1% pyrite. Good core.			01405	26.74	27.00	0.26m		
27.0	27.33	PBQZ	Smokey groundmass with pea-sized pebbles 10to15% content. <1% pyrite.			01406	27.00	27.33	0.33m		
27.33	27.60	Quartzite	Medium grain. light green arkosic. Occasional dark stringer.			01407	27.33	27.60	0.27m		
27.60	27.87	PBQZ	Loosely packed, pea-sized pebbles. <1% pyrite. Upper 12cm oxidized.		nb.tag change	01457	27.60	27.87	0.27m		
			Slip/fault @ 27.67(55deg) Rusty								
27.87	28.07	QPC	Medium packed, pea-sized pebbles with occasional angular mafic elast. <1%			01408	27.84	28.07	0.20m		
		Strat HW	pyrite. Smokey groundmass. 50% pebble content.								
28/07	28.30	PBQZ	Loosely packed with 20% pebbles to 1cm. Some mafic clasts. <1% pyrite.			01409	28.07	28.30	0.23m		
28.30	28.48	Quartzite	Medium grain, green arkosic. Occasional pea-sized pebble.			01410	28.30	28.48	0.18m		
28.48	28.76	PBQZ	Loosely packed, 20to30% pebble content to 1cm. Mostly pea-sized. <1% pyrite.			01411	28.48	28.76	0.28m		
28.76	28.94	Quartzite	Medium to coarse grain. Occasional quartz pebble to 1cm. Angular.			01412	28.76	28.94	0.18m		
28.94	29.20	Conglomerate	Medium packed. Pebble content to 40%. <1% pyrite. Bedding @ 55deg to LCA			01413	28.94	29.20	0.26m		
		HW Main	Sub-rounded pebbles, and some angular.								
29.20	29.40	Conglomerate	Loosely packed, 20% pebble content to 1cm daim. <1% pyrite.			01414	29.20	29.40	0.20m		
29.40	29.60	Conglomerate	Medium packed with 40% content. Smokey groundmass of quartz grains. Angular pebbles to 2cm. <1% pyrite.			01415	29.40	29.60	0.20m		
29.60	29.82	QPC	Well packed. 60% content. 2cm diam. pebbles, smokey, some angular. <1% pyrite			01416	29.60	29.82	0.22m		
29.82	29.97	Quartzite	Coarse, gritty, green quartzite. <1% pyrite. Fracture @ 29.92(40deg.) oxidized.			01417	29.82	29.97	0.15m		
						Blank					
						Standard D11a					
29.97	30.24	QPC	Well packed with pebbles to 3cm. 30to40% pyrite. Detrital. Mix of smokey and white quartz pebbles.			01420	29.97	30.24	0.27m		
30.24	30.48	QPC	Well packed. Mix of mafic and smokey quartz pebbles to 3cm. 2% pyrite.			01421	30.24	30.48	0.24m		

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'e hantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
					Duplicate	01455	30.24	30.48	0.24m		
30.48	30.67	QPC	Medium packed with 50% content to 2cm. Angular pebbles. Fine pyrite to 10%			01422	30.48	30.67	0.19m		
30.67	30.82	QPC	Loosely packed, light green matrix. Smokey pebbles. Fine pyrite <1%			01423	30.67	30.82	0.15m		
30.82	31.0	QPC	Well packed pebbles to 3cm. Some elongated mafic and chert to 4cm. Fine pyrite			01424	30.82	31.0	0.18m		
31.0	31.3	QPC	Well packed pebbles to 4cm. Quartz and chert. 20% pyrite. Some mafic clasts			01425	31.0	31.3	0.30m		
31.3	31.5	QPC	Loosely packed. Occasional 2cm pebble in smokey quartz grain matrix.			01426	31.30	31.50	0.20m		
		FW Main	Fair number of mafic grains. <1% pyrite overall. Lower contact fractured with oxidation staining. 40deg to LCA.								
31.50	31.95	Quartzite	Medium grain at top. Occasional 2cm white floater quartz pebble. Micro-fractures in middle with dark chlorite/biotite material associated. 3 fractures @ bottom that are oxidized. 40 to 50 deg to LCA. <1% pyrite.			01427	31.50	31.95	0.45m		
31.95	32.50	Quartzite	Medium grain, green arkosic quartzite. Occasional 1cm quartz clast. Chlorite/ biotite mottling. <1% pyrite.			01428	31.95	32.50	0.55m		
32.50	32.90	Quartzite	Coarse grain, green, arkosic. Few white quartz clasts. Dark mottled sections. Fracture @ 32.8(60deg) oxidized. <1% pyrite.			01429	32.50	32.90	0.40m		
32.90	33.01	Conglomerate	Medium packed. Pebbles to 3cm. Mostly white quartz. <1% pyrite. Oxidized. Bedding 45 to 50 deg to LCA			01430	32.90	33.01	0.11m		
33.01	33.08	Quartzite	Coarse grain, green arkosic. Massive. Oxidized at top of section. <1% pyrite.			01431	33.01	33.08	0.07m		
					Blank	01432					
					Std. DL-1a	01433					
33.08	44.4	Quartzite	Medium to coarse grain. Gritty. Much oxidation. Fractured through most of core. Strong high < at 43m. Oxidized.								

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**Drill Log**  
**Journal de forage**

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'e hantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
44.4	46.0	Quartzite	Medium grain, light grey. Few mottled sections of dark material.							
46.0	49.0	Quartzite	Medium to coarse grain, grey quartzite. Orthoclase feldspar abundant. Fractures are oxidized.							
49.0	49.77	Quartzite	Coarse grain, grey quartzite. Occasional 1cm white quartz pebble. Much orange coloured feldspar. Red hematite staining in bands. Bedding @ 50deg to LCA							
49.77	50.43	Mud Seams	Two sections of brown coloured mud. Consolidated but soft. Rusty. Medium grain quartzite between these seams. Follows bedding planes.							
50.43	50.60	Quartzite	Dark grey metasediments - greywacke. Rusty fracture runs length of core. Sharp lower contact @ 50 deg to LCA.							
50.60	53.30	Siltstone	Fine grain, siltstone or palcosol with a mix of red stained banding. Relatively soft material. Very broken up core. (Driller tag @ 52.79) Not radioactive.							
53.30	54.60	Volcanics	No distinct contacts. Dark green to black. Much oxidation. Vuggy. Amygdales - altered plagioclase to albite. (no fizz)							
54.60	58.0	Volcanics	Fine grain, dark grey to black. Chloritic with pale white amygdales. Vuggy and oxidized. Fracture runs length of core at bottom. (drillers tag - 56.6)							
58.0	62.07	Volcanics	Better core quality. Dark grey to black. Quartz/carbonate veinlets. Foliated in part. Sections of light grey iron carbonate material. (Drillers tag at 61.0m)							
62.07	63.54	Volcanics	As above. Rusty fracture @ 62.65m.							
			EOH 63.54 Acid test corrected to -48deg							

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Hole ID / Forage n° PM-08-81		Claim No. / N° de concession minière SSS3009471		Township/Area / Canton JOUBIN	
Name of Land Holder / No. de Pele Mountain Resources		Azimuth 180 °	Dip / Inclinaison -85 °	End of Hole (m) / fin de forage (m) 60m	Overburden Depth / profondeur des morts- terrains 0
Drilling Company / Compagnie de forage M.G. Drilling		Logged by (print) / Inscrit par (écrite en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 415
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-02-09	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-02-10	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-02-11		Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON.	

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5137960	Longitude:
Easting / Abscisse: 384450	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0	0	Casing	Collared on bedrock - 2 foot casing left in hole							
0.0	11.6	Quartzite	Medium grain, massive, green arkosic. Occasional narrow dark stringer or band. Occasional pea-sized quartz clast.							
11.6	30.0	Quartzite	Medium to coarse grain, green arkosic. Increase in dark stringers and quartz clasts. PBQZ sections. Increase in orange/brown staining downhole. Fracture and bedding related. 11.6 to 12.9 - stained. 15.9 to 17.8 - stained. 14.3- two rusty fractures (15deg 16.7 to 17.1 - rusty, blocky ground. 22.7 to 23.1 - rusty fractu @ 5deg to LCA. 27.4 to 29.8 - stained, oxidized. 27.9 - rusty fracture 10-15 deg x3 28.4 to 28.7 - PBQZ, smokey / oxidized							
30.0	34.0	Quartzite	Medium to coarse grain, green arkosic. Occasional quartz clast. Good quality							

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"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"

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From/De	To/À						From/De	To/À		
			core. Dark stringers. Some minor oxidation in beds and fractures. Odd mottled smokey section.							
34.0	34.4	Quartzite	As above. Blocky and mafic mottled sections of biotite/chlorite alteration.			01434	34.0	34.4	0.40m	
34.4	34.95	PBQZ	10-20 % pea-sized pebbles. Smokey. <1% pyrite.			01435	34.4	34.95	0.55m	
34.95	35.37	Quartzite	Medium to coarse grain, green arkosic.. <1% pyrite.			01436	34.95	35.37	0.42m	
35.37	36.12	Quartzite	As above			01437	35.37	36.12	0.75m	
36.12	36.28	PBQZ	30% pebbles to 1cm.Smokey. 1% pyrite.			01438	36.12	36.28	0.16m	
36.28	36.75	PBQZ	10 to 20% pebble content. Smokey grains with dark stringers. <1% pyrite.			01439	36.28	36.75	0.47m	
36.75	37.28	Quartzite	Medium to coarse grain, green arkosic. Smokey sections.			01440	36.75	37.28	0.53m	
37.28	37.64	PBQZ	Occasional 1cm quartz clast in smokey groundmass with dark stringers. <1% pyrite.			01441	37.28	37.64	0.36m	
37.64	37.74	PBQZ	Medium packed. Smokey pebbles to 1cm. <1% pyrite.			01442	37.64	37.74	0.10m	
37.74	37.98	Conglomerate	Well packed pebbles to 2cm. 5% pyrite. Smokey. Occasional chert pebble. Buff coloured pebbles.			01443	37.74	37.98	0.24m	
37.98	38.25	Conglomerate	Medium packed quartz pebbles in yellowish cement. 1% pyrite. Elongated mafic clasts. Smokey quartz pebbles and grains in groundmass.			01444	37.98	38.25	0.27m	
38.25	38.53	Conglomerate	Loosely packed QPC. 15% quartz pebbles to 1cm. Smokey grains in light green matrix/cement. <1% pyrite.			01445	38.25	38.53	0.28m	
38.53	38.69	Conglomerate	Loosely packed, 20% pebbles to 3cm. Angular. 20% pyrite. Smokey grains.			01446	38.53	38.69	0.16m	
38.69	38.94	PBQZ	Loosely packed with smokey grains. Occasional angular quartz and pink feldspar grains. Fine disseminated pyrite.			01447	38.69	38.94	0.25m	
38.94	39.20	Conglomerate	Well packed QPC. Smokey pebbles and grains. Mix of quartz and chert clasts to 3cm. Fair pyrite to 10%. Bedding @ 80 to LCA..			01448	38.94	39.20	0.26m	
						Blank	01449			
						Std. DL-1a	01450			

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From/De	To/À						From/De	To/À			
39.20	39.40	Conglomerate	Well packed QPC with heavy pyrite stringers. 30 % pyrite. Pebbles to 3cm. White, pink quartz and buff chert.			01451	39.20	39.40	0.20m		
39.40	39.62	Conglomerate	Medium packed. White quartz pebble to 3cm. Pink and orange feldspar in matrix. 2 to 5% pyrite. Abrupt FW with fine to medium grain quartzite and rusty bedding fracture.			01452	39.40	39.62	0.22m		
		FW Main			Duplicate	01456	39.40	39.62	0.22m		
39.62	40.3	Quartzite	Fine to medium grain green quartzite. Arkosic. <1% pyrite.			01453	39.62	40.30	0.68m		
40/3	40/8	Quartzite	Medium to coarse grain, green arkosic quartzite.			01454	40.3	40.8	0.50m		
40.8	51.4	Quartzite	Medium grain, green arkosic quartzite. Occasional quartz clast. Occasional oxidized band. 42.5 - tight fracture 25deg to LCA. Dark filling.								
51.4	53.0	Quartzite	Coarse grain, dark grey quartzite. Much pink/orange feldspar grains in groundmass Chloritic alteration of cement. Sharp contact with archean volcanics.								
53.0	54.0	Archean Volcanics	Very fine grain, dark grey to black. Much hematite staining and banding. Chloritic. Soft to scratch. 52.0 to 53.0 - Core broken with one brittle/muddy section. Red staining.								
54.0	60.0	Volcanics	As above. No staining after 55m. Occasional bull quartz section. Quartz/ carb veining. Occasional white amygdale.								
			EOH 60.0 Acid Test corrected to -82deg.								

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Hole ID / Forage n° PM-08-82		Claim No. / N° de concession minière SSM4218565		Township/Area / Canton JOUBIN	
Name of Land Holder / No, de Pc/c Mountain Resources		Azimuth 180 °	Dip / Inclinaison -85 °	End of Hole (m) / fin de forage (m) 254	Overburden Depth / profondeur des morts- terrains 5m
Drilling Company / Compagnie de forage M.G. Drilling		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Elévation du collier 367m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj)	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj)	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj)	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON.		
2008-02-10	2008-02-13	2008-02-14			

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5138333	Longitude:
Easting / Abscisse: 382848	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	5.0	Casing	Mix of grey granite, quartzite, and argillite rubble.							
5.0	23.0	Greywacke	Greywacke mixed with argillite beds. White streaking with tiny clasts of iron carbonate. Argillite is soft, 14.9 to 15.5 - bleached out coarse quartzite bed. 75deg contact. Fine grain argillite @ 22.0 to 23.0. Bull quartz at end of section. Bit of Ramsay Lake conglomerate.							
23.0	25.1	Quartzite	Coarse grey quartzite. Numerous mafic grains in a light grey groundmass.							
25.1	38.0	Quartzite	Medium to coarse grey quartzite. Numerous narrow dark bands in the first 10m. Detrital pyrite with dark bands. Smokey quartz grains. Heavy banding at times. Decrease in banding to bottom. Lighter grey. 25.1 to 32.0 - heavy pyrite bands and quartz grains. (500 to 800 cps on scint.) Bedding 75deg to LCA. 32.0 to 34.6 - weaker banding (400 to 500cps on scint)							

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From/De	To/À						From/De	To/À		
38.0	74.5	Quartzite	Medium to coarse grain, grey/green arkosic quartzite. Occasional white quartz clast to 1cm. Occasional fracture - oxidized. High < @ 5 to 15 deg to LCA. 60.9 to 61.7 - broken core with bull quartz and minor muc seams. Possible faulting. Slip and fracture @ 40 deg to LCA. Chlorite and biotite fragments mixed with mud. Gouged. Occasional dark stringer but minor and well spaced.							
74.5	92.0	Quartzite	Medium to coarse grain light grey with green hue. Increase in pyrite bands. 75.6 to 75.8 - two mafic sills. 8 and 5 cm. Chloritic with carbonate veining. Fine grain, but bedded. Does not appear to be a dyke. Dark green. Fairly hard. 84.3 to 84.5 - bull quartz vein. Occasional 2cm quartz vein. Fair pyrite bands in this section. Slight radioactivity ( 35ocps)							
92.0	103.1	Quartzite	Medium grain, buff to pink quartzite. Fine bands of pyrite. Lower section has more fine grain siltstone bedding. Gradational into green quartzite (Ryan Mbr.) Drillers lost water pressure at 95 m.							
103.1	117.1	Quartzite	Light grey to green, medium to coarse grain. Occasional large 3cm quartz clast. Occasional mafic clast. Faint dark banding.							
117.1	185.0	Quartzite	Medium to coarse, green arkosic quartzite. Numerous narrow dark mineralized bands. Massive good quality core. No oxidation. 137.0 to 137.26 - Mafic sill - 85deg to LCA. Diabase - dark green medium grain.							
185.0	207.9	Quartzite	As above. Occasional white quartz clast.							
207.9	208.0	Lamprophyre	20 deg to LCA. Very soft and crumbly. Carbonate streaks. Clean contacts.							
208.0	218.8	Quartzite	Medium to coarse grain, green arkosic. Increase in dark banding and PBQZ beds Occasional 5 to 10 cm section of well packed QPC. <1% pyrite.							
218.8	220.20	Quartzite	Coarse, darker green arkosic quartzite. PBQZ sections. <1% pyrite. Fracture @ 219.1m (10-15deg - broken core) Lost 0.2m core.							

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From/De	To/À						From/De	To/À			
25.12	26.0	Quartzite	Medium to coarse grain, dirty grey quartzite. Occasional pyritic dark band.			01678	25.12	26.0	0.88m		
		Stinson Mbr.	Smokey quartz grains mixed with detrital pyrite. No pebbles. 580 cps on scint.								
26.0	26.8	Quartzite	As above - Slight increase in dark banding - 800 cps. Bedding @ 75 deg to LCA			01679	26.0	26.8	0.80m		
26.8	27.12	Quartzite	Medium grain, grey to buff quartzite. Barren.			01680	26.80	27.12	0.32m		
27.12	27.92	Quartzite	Medium to coarse grain, grey. Heavy pyritic banding. Dirty quartz grains and fine mafic clasts mixed with detrital pyrite. - 570 to 700 cps			01681	27.12	27.92	0.80m		
27.92	28.30	Quartzite	Dirty grey medium grain quartzite. Faint pyritic dark bands. 650 cps			01682	27.92	28.30	0.38m		
28.30	28.76	Quartzite	Medium grain, grey. Barren.			01683	28.30	28.76	0.46m		
28.76	28.90	Quartzite	Medium grain, grey. Faint dark bands.			01684	28.76	28.90	0.14m		
28.90	30.28	Quartzite	Medium grain to coarse, dirty grey quartzite. Barren. 4cm quartz vein. Rusty fracture @ 29.28 @ 15deg to LCA.			01685	28.90	30.28	0.38m		
30.28	30.62	Quartzite	Dirty grey quartzite. Faint pyritic bands. 650 cps			01686	30.28	30.62	0.34m		
30.62	30.93	Quartzite	Medium grain, barren.			01687	30.62	30.93	0.31m		
30.93	31.41	Quartzite	Medium grain, dirty grey quartzite. Numerous narrow dark pyritic bands 450cps			01688	30.93	31.41	0.48m		
31.41	31.97	Quartzite	As above.			01689	31.41	31.97	0.56m		
31.97	32.43	Quartzite	Medium grain, dirty grey quartzite. Dark pyritic bands. 470cps			01690	31.97	32.43	0.46m		
32.43	32.81	Quartzite	Medium to coarse grain, grey. Barren. Occasional white quartz clast,- pea-sized			01691	32.43	32.81	0.38m		
32.81	33.13	Quartzite	Medium grain, grey quartzite. Few dark bands of pyrite and smokey quartz grains	490cps		01692	32.81	33.13	0.32m		
33.13	34.30	Quartzite	Medium to coarse grain. Occasional pea-sized white quartz clast. Barren.			01693	33.13	34.30	1.17m		
34.30	34.73	Quartzite	Medium grain, dirty grey quartzite. Tiny white quartz clasts/phenocrysts. Few faint dark bands. 450cps			01694	34.30	34.73	0.43m		
34.73	35.0	Quartzite	Medium to coarse grain, grey quartzite. Slight sericitic alteration. Barren.			01695	34.73	35.0	0.27m		
						Blank					
						Std. DI-1a					

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From/De	To/À						From/De	To/À			
220.2	220.65	Quartzite	Medium grain green arkosic. Occasional 2cm quartz clast.			01458	220.20	220.65	0.45m		
220.65	221.20	PBQZ	Drill tag @ 221.0. Bands of PBQZ. <1% pyrite. Smokey pebbles to 1cm.			01459	220.65	221.20	0.55m		
221.20	221.77	Conglomerate	Loosely packed. Smokey pebbles to 1cm. 20% pebble content. Fracture @ 221.3 (15deg to LCA.) 5% pyrite in some sections.			01460	221.20	221.77	0.55m		
221.77	222.45	PBQZ	Loosely packed. Smokey groundmass. <1% pyrite. 10% pebble content.			01461	221.77	222.45	0.68m		
222.45	222.96	Quartzite	Coarse grain smokey, green groundmass. Occasional quartz clast. <1% pyrite			01462	222.45	222.96	0.51m		
222.96	223.10	Conglomerate	Loosely packed. Smokey pebbles in light green sericitic matrix. 1% pyrite.			01463	222.96	223.10	0.14m		
223.10	223.48	Quartzite	Medium to coarse grain, green arkosic. Gritty looking. Smokey quartz grains.			01464	223.10	223.48	0.38m		
223.48	223.87	Quartzite	Coarse grain, green arkosic. Smokey groundmass. Occasional quartz clast to 1cm <1% pyrite. (drillers tag @ 223.6m)			01465	223.48	223.87	0.39m		
223.87	224.23	PBQZ	Medium packed. 30% pebble content. Pea-sized. Occasional 1cm pebble. Smokey <1% pyrite.			01466	223.87	224.23	0.36m		
224.23	224.67	Conglomerate	Loosely packed. 20% QPC. Pebbles to 1cm. <1% pyrite. Dark stringers.			01467	224.23	224.67	0.44m		
						Blank					
						Std. DL-1a					
224.67	225.0	Quartzite	Medium grain, green. Smokey quartz grains. Multiple shapes, typically angular.			01470	224.67	225.00	0.33m		
225.0	225.15	Conglomerate	Well packed QPC. 50% pebble content with pebbles to 1cm. <1% pyrite. Light green cement in smokey granular groundmass.			01471	225.00	225.12	0.12m		
225.15	225.34	Quartzite	Medium grain, green arkosic. Occasional quartz/feldspar, pea sized pebble.			01472	225.15	225.34	0.18m		
225.34	225.53	Conglomerate	Well packed, 50 to 60% pebble content to 1cm. Smokey, <1% pyrite			01473	225.34	225.53	0.19m		
225.53	225.88	Conglomerate	Loosely packed, 15% pebble content to 2cm. Smokey. <1% pyrite.			01474	225.53	225.88	0.35m		
225.88	226.10	Quartzite	Coarse grain, green. Smokey quartz grains and orange feldspar. <1% pyrite.			01475	225.88	226.10	0.12m		
226.10	226.37	Conglomerate	Medium packed. 50% to 3cm. 10 to 15% pyrite. White and smokey pebbles.			01476	226.10	226.37	0.26m		
						Duplicate	01477	226.10	226.37	0.27m	

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From/De	To/À						From/De	To/À		
226.37	226.53	Conglomerate	Loosely packed pebbles to 2cm. 20% content. <1% pyrite.			01478	226.37	226.53	0.16m	
226.53	226.90	Quartzite	Medium to coarse, light green arkosic. Occasional quartz clast.<1% pyrite.			01479	226.53	226.90	0.37m	
229.90	227.0	Conglomerate	Well packed, light grey quartz pebbles to 3cm. 10% pyrite. Light green cement. Core has a bleached look to it. Fracture 15deg to LCA x2.			01480	226.90	227.00	0.10m	
227.0	227.23	Conglomerate	Medium packed QPC. Light grey altered quartz clasts to 3cm. Good interstitial pyrite to 40%. Bleached groundmass.			01481	227.00	227.23	0.23m	
227.23	227.40	Conglomerate	Medium packed pebbles to 3cm 30% content. Less pyrite with only a few light stringers. Bleached matrix. Light green to yellow. Sharp contact @ 70deg with lower quartzite bed. Pyrite lined contact. x-cut by tight fault @ 227.3 to 227.63. Irregular @ 10deg to LCA. Contains chlorite/biotite. Looks to be some minor displacement on this feature. Not open or broken. Extends into FW			01482	227.23	227.40	0.17m	
227.40	228.2	Quartzite	Medium grain, massive light green arkosic. Quartz grains are light grey. Bleached looking groundmass. <1% pyrite.			01483	227.40	228.2	0.80m	
228.3	231.3	Quartzite	Medium to coarse grain light green, bleached. Occasional fine grain sections.							
231.3	235.0	Quartzite	Medium grain, massive light green. Fracture @ 233.0(20deg), 233.55(15deg) 234.5(15deg), 234.8(15deg) Still bleached out.							
235.0	238.0	Quartzite	Medium to coarse, massive, darker green. Smokey grains in matrix. Fracture @ 236.2(black staining - 15deg) Quartz breccia - consolidated @ 237.65 to 237.72. 75deg to LCA							
238.0	238.55	Quartzite	Medium grain, massive, light green. Light grey quartz grains in yellowish cement Trace pyrite.			01484	238.0	238.55	0.55m	
238.55	239.0	Quartzite	Medium to coarse grain, massive. Pea-sized smokey quartz grains. Trace pyrite.			01485	238.55	239.00	0.45m	
239.0	239.4	Conglomerate	Loosley packed QPC. One pebble to 4cm. White to pinkish. Lower 20cm better			01486	239.0	239.4	0.40m	
		Basal Unit	QPC. Light yellow cement. Smokey quartz clast and rounded pebbles.							

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From/De	To/À						From/De	To/À		
			Tiny mafic clasts. Fair pyrite (10%) Scint readings to 5000cps. Sharp lower contact @ 80deg to LCA. Unconformity.							
239.4	242.47	Paleosol	Fine grain, light green to buff, gritty clay like material with faint bedding and flow structures. 60 to 70 deg to LCA. Occasional Quartz vein. Chlorite contamination near bottom. Darker grey to bottom.							
			239.4 to 239.96 - fine gritty soil.			01487	239.40	239.96	0.56m	
242.47	243.6	Mafic dyke	Unconformity Very fine grain dense black looking dyke. Tiny white carbonate clasts and veins 15deg to LCA. The top is cut by the upper bed @ 60deg.							
243.6	254.0	Archean Volcanics	Very dense fine grain dark green to dark grey basalt. Occasional lighter grey mottled sections of iron carbonate material. Sections with shards of quartz in a sericitic matrix (5cm section). Not magnetic.			Blank Stand. DL-1a	01488 01489			
			EOH 254.0m							

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Under section 8 of the Mining Act, this information is used to maintain a public record. / Aux termes de l'article 8 de la Loi sur les mines, ces renseignements serviront à tenir à jour les dossiers publics.

Hole ID / Forage n° PM-08-83	Claim No. / N° de concession minière SSM3009474	Township/Area / Canton JOUBIN
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Name of Land Holder / No. de Pele Mountain	Azimuth 180 °	Dip / Inclinaison -80 °	End of Hole (m) / fin de forage (m) 260	Overburden Depth / profondeur des morts- terrains 14.5m
Drilling Company / Compagnie de forage M.G. Drilling Inc.	Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 358m

Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-02-14	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-02-17	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-02-18	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, On.
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DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5138429	Longitude:
Easting / Abscisse: 382598	

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From/De	To/À						From/De	To/À		
0.0	14.5	Casing	Mix of pink granite and argillite rubble.							
14.5	54.2	Argillite	Interbedded argillite (very fine grain black) when freshly broken to dark green.							
		Greywacke	and fine grain greywacke - dark grey to black. Sharp contact between argillite bed and grey quartzite at bottom. - 80deg to LCA.							
54.2	61.2	Quartzite	Medium to coarse grain, light grey - massive. Trace pyrite.							
61.2	92.5	Quartzite	Coarse grain, grey pegmatitic quartzite.							
			62.8 to 63.0 - Two grey mud seams. 40deg to LCA. Carbonate veinlets. Top seam 85deg to LCA. Grey carbonatous, crumbly. K feldspar alteration on both sides of mud seams. Pegmatitic -granitic looking.							
			63.2 - tight fracture starts. 5deg to LCA. Runs along axis with dark staining on fracture surface. Not open or secondary min. Continues into next section to 80m.							

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From/De	To/À						From/De	To/À		
			Broken in this area.							
			63.15 to 63.35 - Pegmatitic/brecciated with carbonate veining in groundmass.							
72.5	80.0	Quartzite	Coarse, grey feldspathic quartzite. Altered with pink/orange staining. High angle dark lined fracture runs length of core. Core broken at 72.0 to 79.0 m.							
			Core brecciated for most part. Large clasts and shards due to faulting.							
80.0	92.0	Quartzite	Grey pegmatitic/ granite looking section. Ground quite disturbed with micro-fracturing and tight fractures (dark staining)							
			91.45 to 91.55 - Lamprophyre sill with carbonate content and soft.							
92.0	100.7	Quartzite	Fine to medium grain, light grey quartzite. Sharp upper contact @ 85deg.							
			92.07 to 92.15 - Lamprophyre sill with carbonate content, medium soft.							
			Narrow dark stringers - trace pyrite. Slightly radioactive.							
100.7	116.0	Quartzite	Medium grain, grey quartzite. Much micro-fracturing. Dark lining on tight irregular fracturing. Numerous dark mineralized stringers. Quartz vein @ 103.3							
			to 103.4 (25deg to LCA) The overall quartzite has a dark grey granitic look.							
			Probably due to faulting in vicinity. 111.8 to 113.0 - blocky, broken core.							
116.0	119.0	Quartzite	Fine grain, light buff to pinkish quartzite. Fractured as above. Core blocky.							
119.0	121.0	Quartzite	Fine grain altered, pink to reddish with hematite staining. Carbonate veinlets.							
			Core generally broken. The veins are 10deg to LCA.							
			119.25 to 119.30 - Lamprophyre sill with carbonate veinlet.							
121.0	130.8	Dyke - Diabase	Fine to medium grain dark green to black. Numerous carbonate veinlets. Much carbonate material throughout. Slightly magnetic. Lower contact 10 to 15 deg to							
			LCA. Obscured by carbonate veining. Irregular contacts. The upper contact is							
			muddy and chloritic grading into a better defined contact @ 50deg to LCA.							

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From/De	To/À						From/De	To/À		
130.8	134.45	Quartzite	Light grey pegmatitic looking quartzite. Quartz clasts and subrounded pebbles. Black stained micro-fracturing. Bull quartz sections. Trace pyrite and one 3cm pyrite cube. Sharp 85deg contact with green quartzite.							
134.45	135.2	Quartzite Ryan Mbr.	Medium grain light green quartzite. Faint dark banding throughout.							
135.2	137.25	Lamprophyre	Fine grain, dark green to black. Stringers of carbonate and most of core contain carbonate material. Strong acid fizz throughout. Lower contact irregular and cut by fracturing @ 20deg. Dyke contact @ 50deg. Upper contact @ 10deg.							
137.25	150.7	Quartzite	Medium grain, green arkosic. Few dark bands. Occasional high angle fracture. Not open fracturing. Dark staining on break. Bedding @ 85deg to LCA.							
150.7	160.0	Dyke-Diabase	Medium grain with numerous white and dark lathes in chloritic matrix. Trace pyrite and faintly magnetic. Occasional quartz/carbonate veinlet, clast or fragment. Possibly previously logged as lamprophyre. Contacts are not clean. Upper contact broken. Lower irregular @ 60deg. Brecciated.							
160.0	163.35	Quartzite	Medium grain, altered green quartzite. Reddish/orange staining at top contact with dyke. 162.13 to 163.3 - Two mafic sills interbedded with bull quartz. (45cm and 35cm) Heavy pyrite and pyrrhotite. Gritty beds interbedded with clay beds. Contacts @ 80deg to LCA. Sharp.							
163.35	194.2	Quartzite	Medium to coarse grain, light green arkosic. Fairly massive. Occasional white quartz clast. Dark banding in sections.							
194.2	212.5	Quartzite	As above. Numerous narrow dark bands. Bedding 80deg to LCA							
212.5	215.35	Quartzite	Dark green, coarse arkosic. Dark mineralized banding. Light green to bleached look to bottom of section.							

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215.35	223.75	Dyke-Diabase	Upper contact @ 20deg. to LCA. Lower contact @ 50deg. Fine to medium grain, dark green chloritic and much carbonate in groundmass. Tiny white lathes in matrix. Few carbonate veinlets. Not magnetic.							
223.75	266.14	Quartzite	Medium grain, green arkosic. Altered to orange in part. Medium staining. K feldspar alteration. Occasional white quartz clast and dark stringer. Some micro fracturing at bottom.							
226.14	226.40	QPC	Medium packed. Pebble content to 50%. 1cm pebbles. Smokey. 2% pyrite.			01490	226.14	226.40	0.26m	
226.40	226.53	Quartzite	Medium to coarse grain. Occasional quartz clast to 1cm.			01491	226.40	226.53	0.13m	
226.53	226.87	QPC	Medium packed. Smokey pebbles and grains to 1cm. <1% pyrite.			01492	226.53	226.87	0.34m	
226.87	227.00	Quartzite	Medium grain, green arkosic. <1% pyrite.			01493	226.87	227.00	0.13m	
227.0	227.07	QPC	Medium packed. Smokey pebbles. 5% pyrite.			01494	227.00	227.07	0.07m	
227.07	227.27	Quartzite	Medium grain with occasional quartz clast and dark stringer.			01495	227.07	227.27	0.20m	
227.27	229.14	Quartzite	Medium grain with occasional quartz clast and narrow dark stringer.							
229.14	229.65	PBQZ	Few quartz clasts and pebbles to 1cm in medium grain, green arkosic matrix. Couple of QPC bands. <1% pyrite.			01496	229.14	229.65	0.51m	
229.65	229.77	Quartzite	Medium grain, light green to buff. Occasional quartz clast. <1% pyrite			01497	229.65	229.77	0.12m	
229.77	229.87	QPC	Medium packed. Smokey. 2% pyrite.			01498	229.77	229.87	0.10m	
229.87	231.13	Quartzite	Medium to coarse grain, green arkosic. Occasional quartz pebbel to 1cm in PBQZ beds.							
231.13	231.36	PBQZ	Loosely packed. 10% pebble content to 1cm. Smokey, <1% pyrite			01499	231.13	231.36	0.23m	
231.36	231.58	Quartzite	Medium grain, gritty, green quartzite.			01500	231.36	231.58	0.22m	
231.58	231.74	QPC	Medium packed pebbles to 2cm. Some pink pebbles. 5% pyrite			01501	231.58	231.74	0.16m	
231.74	235.55	Quartzite	Medium grain, green arkosic. Occasional quartz clast to 1cm. Minor dark banding with pea-sized pebbles and pyrite. Increase in K-feldspar alteration.							

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235.55	235.87	QPC	Loosely packed with dark banding. 10 to 15% pebble content. Smokey. <1% pyrite.			01502	235.55	235.87	0.32m	
235.87	236.80	Quartzite	Medium grain, green arkosic. 50% altered to K-feldspar. Much orange staining. Occasional quartz clast and dark stringer. Still smokey quartz grains.							
236.8	237.27	Quartzite	Medium grain to coarse with 50/50 feldspar alteration mixed with quartz grains. One dark stringer.			01503	236.8	237.27	0.47m	
237.27	237.36	QPC	Few quartz pebbles to 1cm in coarse green,sericitic matrix.Some orange alteration. 5% pyrite blebs.			01504	237.27	237.36	0.09m	
						Blank				
						Std. DL-1a				
237.36	237.90	Quartzite	Medium grain with occasional pea-sized quartz pebble. Orange matrix. Occasional dark stringer.			01507	237.36	237.90	0.54m	
237.90	238.24	PBQZ	Coarse grain, orange stained matrix. Occasional quartz pebble - pea-sized. Dark stringers.			01508	237.90	238.24	0.34m	
238.24	238.32	QPC	Medium packed, smokey quartz pebbles in a darker matrix. Sericitic cement.			01509	238.24	238.32	0.08m	
		Strat HW Main	<1% pyrite							
238.32	238.51	PBQZ	Coarse grain mix of quartz and orange feldspar and sericitic cement.<1% pyrite			01510	238.32	238.51	0.19m	
238.51	238.70	QPC	Medium packed bobbles to 1cm. Smokey, darker matrix. 2% pyrite. Some mafic grains.			01511	238.51	238.70	0.19m	
238.70	238.80	Quartzite	Medium grain, green. Barren. Less feldspar.			01512	238.70	238.80	0.10m	
238.80	239.37	Quartzite	PBQZ with 30% feldspar grains and occasional quartz clast. Faint fracture with visible displacement of pebbles. Minor.			01513	238.80	239.37	0.57m	
239.37	239.73	Quartzite	Medium grain with 30% feldspar grains. Barren. Occasional white quartz clast. Sericitic yellowish cement. Smokey quartz grains.			01514	239.37	239.73	0.36m	

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From/De	To/À						From/De	To/À			
239.73	239.91	QPC	Loosely packed. 15% pebble content. <1% pyrite. Greenish grey to orange matrix.			01515	239.73	239.91	0.18m		
					Duplicate	01516	239.73	239.91	0.18m		
239.91	240.07	Quartzite	Medium grain mix of quartz and feldspar. Barren.			01517	239.91	240.07	0.16m		
240.07	240.32	QPC	Medium packed. 25% pebble content to 1cm.. Mix of feldspar and smokey quartz			01518	240.07	240.32	0.25m		
		HW Main	Only the matrix grains are altered. <1% pyrite.								
240.32	240.56	QPC	Medium packed. Smokey quartz and orange feldspar pebbles to 1cm. Mostly quartz pebbles and grains in matrix are altered. <1% pyrite.			01519	240.32	240.56	0.24m		
240.56	240.74	QPC	Loosely packed. 10% quartz pebble to 1cm. Odd 2cm altered white quartz . Groundmass altered to orange. <1% pyrite.			01520	240.56	240.74	0.18m		
240.74	241.05	QPC	Medium packed. 40% white quartz pebble. Matrix mix of smokey quartz and orange feldspar. Sericitic cement altered to orange colour. 10% pyrite.			01521	240.74	241.05	0.31m		
					Blank	01522					
					Std. DL-1a						
241.05	241.30	PBQZ	Coarse grain, smokey quartz grains in orange groundmass/cement. <1% pyrite. Lower contact cut by mafic dykelet or large mafic shard. Soft-chloritic. Carbonate veinlet on surface.			01524	241.05	241.30	0.25m		
241.30	241.90	QPC	Loosely packed. 10% white quartz pebble to 1cm. Matrix smokey quartz grains. Cement altered with an orange colour. <1% pyrite. Occasional mafic clast.			01525	241.30	241.90	0.60m		
241.90	242.48	PBQZ	3 PBQZ bands in coarse altered groundmass. <1% pyrite.			01526	241.90	242.48	0.58m		
242.48	242.92	QPC	Medium packed. 25% white quartz pebbles to 3cm. Groundmass mix of smokey quartz and altered cement. 5% pyrite.			01527	242.48	242.92	0.44m		
		FW Main									
242.92	243.24	Quartzite	Medium grain altered quartz ite. <1% pyrite.			01528	242.92	243.24	0.32m		
242.24	243.60	Quartzite	Medium grain, light green to buff. Minor orange alteration. Contact faulted-bull quartz- cubic pyrite-mafic and chloritic. Calcite mixed with mud- bedding			01529	242.24	243.60	0.36m		

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From/De	To/À						From/De	To/À		
			oriented. Micro fracturing in core. Tight joints with no orientation.							
243.60	244.38	Quartzite	Fine grain, light green to grey. Carbonate veinlet runs length of core.			01530	243.60	244.38	0.78m	
244.38	245.0	PBQZ	Sections of PBQZ with pea-sized to 1cm pebbles in grey/green matrix. Minor feldspar grains of orange colour. <1% pyrite. Smokey quartz grains.			01531	244.38	245.00	0.62m	
245.0	246.0	PBQZ	As above.			01532	245.0	246.0	1.00m	
246.0	250.3	Quartzite	Medium grain to fine grain sections of light green to grey quartzite with some pink alteration zones. Micor fracturing continues ot occur. Inflows of mafic, chloritic, and carbonate material @ bottom of section. Contact with underlying dyke @ 250.53m and @ 25deg to LCA. Darker grey and altered to orange colour at contact.							
250.3	253.33	Mafic Dyke	Very fine grain - black.Soft to scratch. Much carbanate material in groundmass. Altered quartz laths to pink. Quartz/carbonate veinlets. Sharp lower conatet cut by pinkish bull quartz @ 70deg to LCA.							
253.33	260.0	Archean Volcanics	Very fine grain dark green chloritic andesitic basalt. Quite dense. Much bull quartz and iron-carbonate streaking. Appears to be schistose. Some minor quartz/ carbonate veining.							
			EOH 260.0m							

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Northern Development  
and Mines

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et des Mines

## Drill Log Journal de forage

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Under section 8 of the Mining Act, this information is used to maintain a public record. / Aux termes de l'article 8 de la Loi sur les mines, ces renseignements serviront à tenir à jour les dossiers publics.

Hole ID / Forage n° PM-08-84	Claim No. / N° de concession minière SSM3009474	Township/Area / Canton JOURBIN
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Name of Land Holder / No. de Pele Mountain Resources	Azimuth 360 °	Dip / Inclinaison -83 °	End of Hole (m) / fin de forage (m) 261	Overburden Depth / profondeur des morts- terrains 2.5m
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Drilling Company / Compagnie de forage M.G. Drilling Inc.	Logged by (print) / Inscrit par (écrite en lettres moulées) Patrick Enright	Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 355m
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Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-02-17	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-02-19	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-02-20	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON.
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DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5138309	Longitude:
Easting / Abscisse: 382291	

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From/De	To/À						From/De	To/À		
0.0	2.5	Casing	Pink granite and argillite rubble.							
2.5	42.42	Argillite	Fine grain, dark grey massive argillite. Medium soft. Very faint bedding planes in some sections. 60 to 70deg to LCA. Sharp contact with quartzite. The lower part of section is gradational into fine grain quartzite.							
42.42	60.65	Quartzite Stinson Mbr.	Fine grain, dark grey massive. Numerous fine pyrite stringers of detrital pyrite. Some heavier sections. 51.6 to 51.8 - 600 cps on scintillometer. Bedding @ 75deg to LCA. Faint green hue to core. Bull quartz vein - 5cm.							
60.65	60.76	Siltstone	Light green, very fine grain, soft. Mixed with occasional white quartz and numerous darker green dyklets.							
60.76	61.40	Quartzite	Mix of grey/green quartzite and fine grain siltstone beds.							
61.40	66.0	Quartzite	Fine to medium grain, grey, 10% dark stringers with disseminated pyrite. Bull							

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From/De	To/À						From/De	To/À		
			quartz vein(3cm). 350 cps on scint.							
66.0	106.7	Quartzite	Medium grain, light grey to light green. Occasional white quartz clast and vein. Occasional dark stringer. Occasional banded fine grain section.							
106.7	118.15	Quartzite	Fine grain, banded light grey. Layering of fine and medium grain quartzite. Light green hue to core. Lower contact marked by PBQZ bed 2cm wide.							
118.15	120.20	PBQZ	Medium packed with mix of mafic and white quartz clasts. Trace pyrite. Smokey quartz grains and gritty sections. Mild radioactivity.							
120.20	123.30	Quartzite	Medium to coarse grain, grey. Occasional white quartz clast and trace pyrite.							
123.30	123.84	Quartzite	Medium grain, grey. Numerous dark mineralized bands with fine detrital pyrite. 300 to 600 cps on scint.			01533	123.30	123.84	0.54m	
123.84	124.30	Quartzite	Medium grain, light grey to green quartzite. Few dark stringers.			01534	123.84	124.30	0.46m	
124.30	125.30	Quartzite	Medium grain, light grey quartzite. Numerous narrow dark mineralized bands.			01535	124.30	125.30	1.00m	
125.30	125.76	Quartzite	Medium grain, grey quartzite. Fine stringers.			01536	125.30	125.76	0.46m	
125.76	125.93	Quartzite	Medium grain, grey with heavy pyrite stringers. (1200 to 1300 cps)			01537	125.76	125.93	0.17m	
125.93	126.36	Quartzite	Medium grain, darker grey. Few dark stringers.			01538	125.93	126.36	0.43m	
126.36	126.59	Quartzite	Medium grain, grey quartzite. Heavy pyrite stringers. (2000 cps)			01539	126.36	126.59	0.23m	
126.59	127.14	Quartzite	Darker grey, medium grain. Dark stringers with disseminated pyrite.			01540	126.59	127.14	0.55m	
127.14	127.27	Quartzite	Medium grain, dark grey quartzite. Heavy pyrite stringers. (1500 cps)			01541	127.14	127.27	0.13m	
127.27	127.55	Quartzite	Medium grain, grey. Few dark stringers.			01542	127.27	127.55	0.28m	
127.55	128.04	Quartzite	Medium grain, grey. Numerous dark stringers with occasional quartz clasts and veinlets to 1cm wide. Lower contact is sharp with PBQZ section. Heavy pyrite			01543	127.55	128.05	0.50m	
			1300 to 1800 cps							
						Blank				
						Std. DL-1a				

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From/De	To/À						From/De	To/À		
128.04	130.46	Quartzite	Medium grain to coarse grey quartzite. Occasional pea-sized white quartz clast.							
130.46	149.72	Quartzite	Medium to coarse, green arkosic quartzite. Bedding 60 to 70 deg to LCA. Few dark stringers of smokey quartz grains and disseminated pyrite.							
		Ryan Mbr.								
149.72	150.41	Siltstone	Very fine grain light green. Sharp 70deg contact with bedding.							
150.41	180.1	Quartzite	Medium to coarse grain, green, arkosic. Fair number of narrow dark stringers and occasional quartz clasts - typical to the lower Matinenda formation.							
180.1	180.17	Lamprophyre	Dark grey to black. 75deg to LCA. Silty cement - barely scratches but contains carbonate material.							
180.17	180.31	Quartzite	Medium grain, green. One 4cm lamprophyre sill.							
180.31	189.30	Quartzite	Medium to coarse, green, arkosic. Fine grain sections. Gritty in part. PBQZ beds up to 5cm. Trace pyrite.							
189.30	189.60	Lamprophyre	65deg to LCA - softer core. Quartz/ carbonate veinlets in a dark grey matrix.							
189.60	213.0	Quartzite	Medium to coarse, green arkosic. Numerous narrow dark stringers and quartz clasts.							
213.0	225.7	Quartzite	Medium to coarse, green arkosic. Dark stringers. PBQZ and QPC beds forming. Floater beds to 10cm. Medium packed with smokey pebbles and groundmass. Pebbles are sub rounded and angular. <1% pyrite.							
225.7	226.12	QPC	Loosely packed. 15% pebbles to 2cm. Smokey quartz in light green sericitic cement. Occasional chert pebble. <1% pyrite.			01546	225.70	226.12	0.42m	
226.12	226.87	PBQZ	Loosely packed. 5% quartz pebbles to 1cm. Occasional dark stringers. <1% pyrite.			01547	226.12	226.87	0.75m	
227.87	228.02	Quartzite	Medium grain, with occasional quartz clast. Occasional dark stringer. <1% pyrite							
228.02	228.18	QPC	Medium packed with smokey quartz pebbles to 1cm. <1% pyrite.			01548	228.02	228.18	0.16m	
228.18	230.60	Quartzite	Coarse grain, green arkosic. PBQZ bands. Few dark stringers. Trace pyrite.							

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From/De	To/À						From/De	To/À			
230.60	230.81	QPC	Medium packed, 30% white and smokey quartz pebbles to 1cm. <1% pyrite.			01549	230.60	230.81	0.21m		
230.81	231.75	Quartzite	Coarse grain, green arkosic. Occasional white and mafic clast to 1cm. <1% pyrite								
231.75	232.25	PBQZ	Loosely packed. Pebbles to 2cm. White quartz- 20% content. Dark stringers <1% pyrite.			01550	231.75	232.25	0.50m		
232.25	233.12	Quartzite	Coarse grain, green arkosic quartzite. Fairly massive. <1% pyrite.								
233.12	233.91	Quartzite	Medium to coarse grain, green arkosic. Occasional quartz clast and dark stringer			01551	233.12	233.91	0.79m		
233.91	234.24	QPC	Loosely packed. 10% pebble content. Smokey pebbles. <1% pyrite			01552	233.91	234.24	0.33m		
		Strat. HW Main									
234.24	234.69	PBQZ	Coarse green arkosic quartzite. Occasional quartz pebble to 2cm. <1% pyrite.			01553	234.24	234.69	0.45m		
234.69	234.93	PBQZ	Loosely packed QPC. Smokey quartz pebbles to 1cm. Occasional cherty pebble 1% pyrite. Fine disseminated.			01554	234.69	234.93	0.24m		
234.93	235.15	QPC	Well packed. Pebbles to 3cm. Smokey quartz and chert. Couple light green shards			01555	234.93	235.15	0.22m		
		HW Main	Detrital pyrite to 5%								
235.15	235.40	QPC	Medium packed. Smokey quartz pebbles to 3cm. Light green sericitic matrix and cement. 2 to 5% pyrite. Pebbles are angular and sub-rounded.		Duplicate	01556	235.15	235.40	0.25m		
235.40	235.60	QPC	Loosely packed pebbles to 2cm. 3 bands of pyrite to 5%. Smokey pebbles and light green coarse groundmass.			01557	235.15	235.40	0.25m		
235.40	235.60	QPC	Loosely packed pebbles to 2cm. 3 bands of pyrite to 5%. Smokey pebbles and light green coarse groundmass.			01558	235.40	235.60	0.20m		
235.60	235.98	QPC	Loosely packed. 10% smokey quartz pebbles to 2cm. Coarse darker green matrix. <1% pyrite.			01559	235.60	235.98	0.38m		
235.98	236.29	PBQZ	Smokey quartz grains and pebbles to 1cm in light green matrix. <1% pyrite.			01560	235.98	236.29	0.31m		
236.29	236.60	QPC	Loosely packed. Smokey pebbles to 2cm. 20% content. Few dark stringers and mafic grains. <1% pyrite.			01561	236.29	236.60	0.31m		
236.60	236.75	QPC	Well packed. Rounded, smokey pebbles to 3cm 2 to 5% pyrite..			01562	236.60	236.75	0.15m		
236.75	236.92	QPC	Loosely packed. 10% pebble content. 2% pyrite. Smokey groundmass			01563	236.75	236.92	0.17m		

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From/De	To/À						From/De	To/À			
236.92	237.05	QPC	Medium packed. Occasional pebble to 4cm. 1% pyrite. Smokey darker green			01564	236.92	237.05	0.13m		
		FW Main	groundmass. Occasional mafic clast.								
237.05	237.82	Quartzite	Coarse grain. massive green arkosic. Smokey angular quartz grains in light green			01565	237.05	237.82	0.77m		
			yellowish cement.								
237.82	243.60	Quartzite	Medium to coarse grain, darker green arkosic quartzite. Occasional white quartz								
			clast.								
243.60	246.66	Quartzite	Fine to medium grain, green arkosic quartzite. Faint narrow dark stringers.								
246.66	247.0	Quartzite	Darker, coarse, green quartzite. Numerous dark bands with pyrite. 75deg.								
247.0	248.8	Quartzite	Fine to medium grain dark grey. Chlorite contamination of groundmass.								
			Numerous narrow dark bands, 75deg to LCA.								
248.8	249.66	Quartzite	Medium grain, dark grey with occasional white quartz clast to 2cm. Chloritic			01566	248.80	249.66	0.86m		
			groundmass with trace pyrite. (450cps)								
249.66	250.13	Quartzite	Medium grain dark grey to black. Barren.			01567	249.66	250.13	0.47m		
250.13	250.50	Quartzite/PBQZ	Medium to coarse grain. Occasional white quartz clast. Smokey grains. Dark grey			01568	250.13	250.50	0.37m		
			to black groundmass. Trace pyrite. ( 300cps)								
250.50	251.07	QPC	Loosely packed QPC. Few white quartz pebbles to 3cm. (400 to 700cps). Dark			01569	250.50	251.07	0.57m		
		Basal Unit	grey to black groundmass. Chloritic contamination. Blebs of pyrite with pebble								
			bands. (2bands) Sharp 60deg unconformity contact. Minor amount of paleosol								
			@ contact. Gradational into volcanics. Gritty @ contact. Not boken								
251.07	251.50	Archean	Very fine grain, dark green dense. Chloritic. Soft. Faint light green streaking.			01570	251.07	251.50	0.43m		
		Volcanics	Mild schistose.								
251.50	254.4	Archean Vol.	Fine grain, dark green. Much quartz/carbonate streaking. Faint light green areas								
			of albite alteration. Fairly dense basalt groundmass								

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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### Drill Log Journal de forage

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From/De	To/À						From/De	To/À		
254.0	254.0	Fault	Drillers report water loss and call it a fault.							
254.0	261.0	Archean Vol.	Very fine grain dark green to black. Densc. Quartz/carbonate streaking in part. White amygdales forming at end of section.		Blank Std. DL-1a	01571 01572				
			EOH 261.0							

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et des Mines

## Drill Log Journal de forage

Page 1 of / de 5

Under section 8 of the *Mining Act*, this information is used to maintain a public record. / Aux termes de l'article 8 de la *Loi sur les mines*, ces renseignements serviront à tenir à jour les dossiers publics.

Hole ID / Forage n° PM-08-85		Claim No. / N° de concession minière SSM3009465		Township/Area / Canton JOUBIN	
Name of Land Holder / No. de Pele Mountain Resources		Azimuth 180 °	Dip / Inclinaison -85 °	End of Hole (m) / fin de forage (m) 236	Overburden Depth / profondeur des morts- terrains 7m
Drilling Company / Compagnie de forage M. G. Drilling Inc.		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 356m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mmm/jj) 2008-02-20	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mmm/jj) 2008-02-21	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mmm/jj) 2008-02-22	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON.		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5138212	Longitude:
Easting / Abscisse: 382095	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	7.0	Casing	Mix of granite rubble							
7.0	24.0	Greywacke	Interbedded greywacke and argillite. Fine grain, siliceous greywacke, light to							
		Argillite	dark grey. Very hard. Argillite bedding 1m wide interspersed along section. Dark							
			green and medium soft. Very fine grain.							
24.0	28.84	Greywacke	Fine grain, dark grey. Massive.							
		Stinson Mbr.								
28.84	38.25	Quartzite	Fine grain grey. Massive.							
38.25	42.80	Quartzite	Fine grain to medium, grey to green. Occasional quartz clast. Occasional very							
			fine grain sections. Occasional quartz vein. Bedding 70deg to LCA							
42.80	51.0	Quartzite	Medium to coarse grain, grey quartzite. 3 sections of bull quartz. Occasional							
			white quartz clast. 43.85 to 43.90 - siltstone bed -light green to buff. 70deg							

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From/De	To/À						From/De	To/À		
51.0	58.6	Quartzite	Medium to coarse grain, light grey. Sections of QPC with 30% pebble content. Pebble to 2cm. Angular. Mainly quartz granular groundmass. Very light disseminated pyrite- flakes.							
58.6	64.2	QPC Stinson Mbr.	Medium packed, 50 % quartz pebbles (white) to 3cm. Occasional mafic clast and silt shard. Matrix predominantly quartz. Occasional minor pyrite flakes. Not radioactive.							
64.2	69.0	Quartzite	Medium to coarse grain, grey quartzite. Occasional 2cm quartz clast. Numerous narrow dark bands. Trace pyrite. Predominantly white quartz groundmass.							
69.0	71.0	PBQZ	As 58.6 to 64.2. Some dark banding with trace pyrite.							
71.0	77.2	Lamprophyre	Fine grain dark green to black. Soft. Carbonate content. Tiny white clasts of quartz/feldspar with some coloured blue-green and minor blue-green staining. Upper contact irregular @ 5 to 10 deg to LCA. Lower contact @ 30deg. Very sharp, clean contacts. No chill zone or alteration. 75.0 to 75.7 - brecciated-porphyrific with feldspar fragments in dark matrix.							
77.2	100.37	Quartzite Stinson Mbr.	Fine grain grey to pink. Numerous narrow dark stringers. Trace pyrite and disseminated pyrite flakes. Tiny mafic clasts that may be biotite disseminated throughout. Core radioactive ( 600 cps) Bedding @ 70 to 75deg to LCA. Groundmass is quartz - feldspar mix. Pinkish hue. 93.3 to 93.8 - fine grain siltstone with greenish brown colour. Few white quartz pebbles @ lower contact.							
100.37	140.6	Quartzite Ryan Mbr.	Medium to coarse grain, green arkosic. Numerous dark bands of smokey quartz grains and trace pyrite. 75 to 80 deg to LCA. Occasional white quartz clast.							
140.6	141.4	Lamprophyre	Fine grain dark green to black. 35deg contacts. Clean.( no chill) Iron carbonate content. Tiny white quartz clasts.							

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Drill Log  
Journal de forage

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
141.4	162.95	Quartzite	Medium to coarse grain, green arkosic. Gritty sections and PBQZ bands. Smokey quartz pebbles to 1cm. Trace pyrite. Bedding @ 75deg to 80deg. Occasional white quartz clast.							
162.95	163.17	PBQZ	Coarse smokey quartzite. Trace pyrite.							
163.17	163.88	Lamprophyre	Dark grey to black. Fairly soft. Carbonate content. Interbedded pinkish quartz. Contacts @ 80deg to LCA.							
163.88	201.45	Quartzite	Medium to coarse grain, green arkosic. Numerous narrow dark bands. Occasional floater PBQZ or QPC bed to 14cm. Occasional quartz clast. Smokey quartz pebbles and grains in groundmass.							
201.45	201.89	PBQZ	Loosely packed. Smokey quartz grains and pea-sized pebbles with 10% content Trace pyrite			01573	201.45	201.89	0.44m	
201.89	202.40	QPC	Medium packed. Smokey grains and pebbles to 1cm. Occasional mafic clast. 5% pyrite at top of section.			01574	201.89	202.40	0.51m	
202.40	202.82	Quartzite	Coarse gritty, green arkosic. Smokey groundmass. Trace pyrite.			01575	202.40	202.82	0.42m	
202.82	203.30	PBQZ	Loosely packed, smokey quartz pebbles to 1cm. <1% pyrite.			01576	202.82	203.30	0.48m	
203.30	203.70	Quartzite	Medium to coarse grain massive green arkosic quartzite. <1% pyrite			01577	203.30	203.70	0.40m	
203.70	205.55	Quartzite	Medium to coarse grain green arkosic. Occasional quartz clast to 2cm. Occasional PBQZ band and dark stringer. <1% pyrite							
205.55	206.0	PBQZ	Coarse grain, green quartzite with 10% pebble content to 1cm. Mix of smokey grains - angular. Yellowish sericitic cement.			01578	205.55	206.0	0.45m	
206.0	206.51	Quartzite	Medium to coarse grain, green arkosic. Occasional 1cm quartz clast.			01579	206.0	206.51	0.51m	
206.51	206.75	QPC	Loosely packed quartz pebbles to 2cm. Rounded and angular. Smokey. <1% pyrite.			01580	206.51	206.75	0.24m	
206.75	207.22	Strat. HW Main Quartzite	pyrite. Medium grain green arkosic. Smokey grains in groundmass. <1% pyrite.			01581	206.75	207.22	0.47m	

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From/De	To/À						From/De	To/À			
207.22	207.60	QPC	Loosely packed pebbles in two 4cm bands. 2cm pebbles. Sub-rounded.			01582	207.22	207.60	0.38m		
		Econ. HW	Occasional mafic clast. <1% pyrite.								
207.60	207.79	QPC	Well packed with 60% pebble content. Pebbles to 2cm. Angular. 5% pyrite. Light green cement.			01583	207.60	207.79	0.19m		
207.79	207.93	QPC	Loosely packed pebbles to 10% content. 1cm diam pebbles.<1% pyrite. Some chert pebbles. Smokey grains in light green cement.			01584	207.79	207.93	0.14m		
207.93	208.30	QPC	Well packed rounded and elongated quartz and chert pebbles to 3cm. Mafic and quartz grains in matrix. 5% pyrite.		Duplicate	01585	207.93	208.30	0.37m		
208.30	208.62	QPC	Medium packed smokey quartz pebbles to 2cm. 30to 40% content. 1% pyrite. Groundmass contains many different size quartz and feldspar grains,			01587	208.30	208.62	0.32m		
208.62	208.92	PBQZ	Loosely packed. Occasional pebble to 1cm. <5% content. One pyrite stringer.			01588	208.62	208.92	0.30m		
						Blank					
						Std. DL-1a					
208.92	209.12	QPC	Well packed smokey pebbles to 2cm. 60% content. 15% pyrite. Occasional mafic and chert clast. Sub-rounded and angular pebbles.			01591	208.92	209.12	0.20m		
209.12	209.22	Quartzite	Coarse grain, smokey grains of quartz. 2% pyrite. Occasional elongated quartz.			01592	209.12	209.22	0.10m		
209.22	209.44	QPC	Medium packed, 50% content. Pebbles to 3cm. 25% pyrite content. Mix of quartz and chert. Angular and sub-rounded pebbles. Buckshot pyrite.			01593	209.22	209.44	0.22m		
209.44	209.66	QPC	Medium packed, 40% content with pebbles to 3cm. 10% pyrite concentrated at bottom of section. Smokey pebbles. Occasional sericitic or silt clast. Light green cement.			01594	209.44	209.66	0.22m		
209.66	209.81	QPC	Loosely packed, 10% content. Pebbles to 2cm. <1% pyrite.			01595	209.66	209.81	0.15m		
		FW Main									
209.81	210.56	Quartzite	Medium to coarse grain, green arkosic. massive quartzite. <1% pyrite			01596	209.81	210.56	0.75m		

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From/De	To/À						From/De	To/À			
210.56	219.75	Quartzite	Medium to coarse grain, green arkosic. Occasional white quartz clast. Massive. Occasional dark band. Smokey quartz grains.								
219.75	222.60	Quartzite	As above but increasing darker green to bottom of section. Chlorite contaminatio Less interstitial cement with increase in quartz and mafic grains. Grains are consistent in size.								
222.60	222.01	Quartzite	As above. Fairly dense. Quartz grains all same size. Occasional larger smokey pebble. <1% pyrite.			01597	222.60	222.91	0.31m		
222.91	223.23	QPC Basal	Loosely packed quartz cobbles to 6cm in dark contaminated with chlorite matrix 5% pyrite as blebs. Upper contact sharp. Lower contact very sharp with volcanics 80deg to LCA. (2500 cps on scint)			01598	222.91	223.23	0.32m		
223.23	223.76	Archean Volcanics	Fine grain dark green with chloritic schistose appearance. Faing light green streaking in a soft groundmass. Not magnetic. No carbonate content.			01599	223.23	223.76	0.53m		
223.76	225.22	Volcanics	Very fine grain, dark green. Occasional section with tiny white quartz lathes aligned to a flow feature. Occasional amygdale.								
225.22	236.0	Volcanics	Very fine grain dark green to black. Occasional bull quartz and carbonate vein. Altered shard or cobble to 7cm with pyrite and pyrrhotite imbedded. Some carbonate content. Amygdales increasing. - carbonate material. Core becomes very dense and hard to bottom.								
			EOH 236m								

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Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Drill Log Journal de forage

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Table with 4 columns: Hole ID / Forage n°, Claim No. / N° de concession minière, Township/Area / Canton, Name of Land Holder / No. de Pctc Mountain Resources, Azimuth, Dip / Inclinaison, End of Hole (m) / fin de forage (m), Overburden Depth / profondeur des morts-terrains, Drilling Company / Compagnie de forage, Logged by (print) / Inscrit par (écrite en lettres moulées), Core Size / Dimensions de la carotte, Collar Elevation / Élévation du collier, Date Hole Started / Date de commencement du forage, Date Completed / Date d'achèvement, Date Logged / Date d'inscription au journal, Location of Core Storage / Endroit où la carotte est stockée.

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE. Includes UTM / MTU and Latitude / Longitude sections with input fields for Datum, Zone, Northing, Easting, and coordinates.

Main log table with columns: Footage/Avancement (From/De, To/À), Rock type / type de roche, Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.), Planar Feature Angle / Angle des caractéristiques planes, Core Specimen Footage / Longueur en pieds des carottes prélevées, Your Sample No. / N° d'échantillon du prospecteur, Sample Footage / Niveau de prélèvement de l'échantillon (en pieds), Sample Length / Longueur de l'échantillon, Assays / Analyses minéralurgiques.

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From/De	To/À						From/De	To/À		
			Faint pink hue to core. Fracture @ 37m - broken core.							
37.3	47.55	Quartzite	Medium to coarse grain, grey. Occasional dark pyritic band . Bull quartz veining one to 7cm. Fractured @ 39.4 - 15deg to LCA. Core broken.							
47.55	63.20	Quartzite	Medium to coarse grain, grey. Occasional bull quartz and quartz clast. Few dark pyritic stringers. Faint radioactivity just above background.							
63.20	72.80	Quartzite	Fine to medium grain, pinkish quartzite. Faint dark stringers 80deg to LCA. 350 to 400cps on scintillometer. One 7cm bull quartz vein.							
72.80	81.30	Quartzite	Interbedded fine grain to medium grain quartzite and brownish green siltstone.							
		Siltstone	350 to 400 cps.							
81.30	85.30	Quartzite	Mostly fine grain, brown/greenish siltstone. Lower 1m is gritty interbedded with quartzite. Graded bedding in sections with larger grit to bottom of bed. One 12cm section @ bottom is PBQZ with 1cm quartz pebbles. Mild radioactivity. 400 cps. Quartz vein or large sub-rounded white pebble at bottom contact.							
85.30	85.3	Fault	Drillers report lost water pressure.							
85.30	91.03	Quartzite/PBQZ	Coarse, grey quartzite with occasional quartz and mafic pebble. Mostly PBQZ.							
		Lower Stinson	85.30 to 85.80 - darker PBQZ with few pyritic stringers. 350 cps.							
91.03	148.57	Quartzite	Medium to coarse grain, green arkosic. Numerous narrow dark bands with trace pyrite.. Bedding @ 80deg to LCA. Banding typically up to 1cm wide with smokey quartz grains and pea-sized pebbles.							
		Ryan Mbr.								
148.57	148.95	Lamprophyre	Dark green to black, fine grain. 80deg to LCA. Iron carbonat content with white phenocrysts. Chloritic. Fairly soft.							
148.95	162.20	Quartzite	Medium to coarse grain, green arkosic. Beds becoming increasingly PBQZ.							
		Ryan Mbr.								

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From/De	To/À						From/De	To/À		
162.20	187.84	Quartzite	Medium to coarse, green arkosic. Numerous narrow dark stringers. PBQZ beds @ 177.1 to 177.25, 177.6 to 177.80, 180.25 to 180.5, 182.3 to 182.37, 183.9 to 184.0, 186.0 to 186.15. Medium packed pebbles to 1cm. <1% pyrite. Smokey quartz grains in groundmass.							
187.84	188.12	Quartzite	Medium grain groundmass with occasional quartz clast and PBQZ section. Smokey. <1% pyrite.			01600	187.84	188.12	0.28m	
188.12	188.45	PBQZ	Coarse, dark bands with quartz and mafic clasts to 1cm. <1% pyrite.			01601	188.12	188.45	0.33m	
188.45	188.92	Quartzite	Medium grain, green arkosic. Occasional dark pyritic stringer and quartz pebble.			01602	188.45	188.92	0.47m	
188.92	189.71	PBQZ	Loosely packed pebbles to 2cm. Smokey groundmass. <1% pyrite.			01603	188.92	189.71	0.79m	
189.71	190.91	Quartzite	Medium to coarse grain, green arkosic. Occasional quartz clast and dark stringer			01604	189.71	190.71	1.00m	
					Blank	01605				
					Std. DL-1a	01606				
190.91	191.20	QPC	Loosely packed with 30% pebble content to 1cm. <1% pyrite. Silt bed @ bottom			01607	190.91	191.20	0.19m	
191.20	191.60	Quartzite	Coarse grain, green arkosic quartzite. Couple of dark bands containing smokey quartz grains.			01608	191.20	191.60	0.40m	
191.60	191.81	PBQZ	15% smokey quartz pebbles to 1cm. <1% pyrite. Light green cement.			01609	191.60	191.80	0.21m	
		HW Main								
191.80	192.12	QPC	Medium packed with smokey pebbles to 1cm. Occasional 3cm pebble. 2% pyrite 50% pebble content. Light green sericitic cement.			01610	191.81	192.12	0.31m	
192.12	192.35	QPC	Medium packed with 30% pebble content to 2cm. 1% pyrite. Silt shards.			01611	192.12	192.35	0.23m	
192.35	192.65	QPC	Loosely packed to 25% content. Pebbles to 2cm. 5% pyrite.			01612	192.35	192.65	0.30m	
					Duplicate	01613	192.35	192.65	0.30m	
192.65	192.89	QPC	Well packed quartz pebbles to 3cm. 30% pyrite. Dark grains in matrix. Some silt shards- elongated.			01614	192.65	192.89	0.24m	

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From/De	To/À						From/De	To/À			
192.89	193.00	QPC	Loosely packed QPC. 25% pyrite. 20% pebble content with pebbles to 2cm			01615	192.89	193.00	0.11m		
193.00	193.10	Quartzite	Coarse grain, gren. Occasional quartz clast. <1% pyrite.			01616	193.0	193.10	0.10m		
193.10	193.25	QPC	Well packed with pebbles to 3cm. Smokey. 5% pyrite.			01617	193.10	193.25	0.15m		
193.25	193.37	PBQZ	Coarse grain, green groundmass. Occasional quartz and chert pebble. <1% pyrite			01618	193.25	193.37	0.12m		
193.37	193.47	QPC	Medium packed pebbles to 1cm. Smokey quartz. 1% pyrite.			01619	193.37	193.47	0.10m		
193.47	193.64	Quartzite	Coarse grain with occasional quartz clast and <1% pyrite. Smokey groundmass			01620	193.47	193.64	0.17m		
193.64	193.88	QPC	Well packed pebbles to 3cm. Occasional chert pebble. 5% pyrite. Mafic grains in groundmass mixed with smokey quartz grains.			01621	193.64	193.88	0.24m		
193.88	194.0	PBQZ	Coarse grain with occasional smokey quartz pebble. Tracc pyrite.			01622	193.88	194.00	0.12m		
						Blank	01623				
						Std. DL-1a	01624				
194.0	194.21	QPC	Medium packed quartz pebbles to 3cm. Occasional chert and mafic clast. 2% pyrite. Angular pebbles and grains in light green cement.			01625	194.0	194.21	0.21m		
194.21	194.60	Quartzite	Coarse grain, green arkosic. Occasional 1cm smokey quartz pebble. Mixed granular groundmass. <1% pyrite.			01626	194.21	194.60	0.39m		
194.60	194.94	Quartzite	Coarse massive green arkosic. <1% pyrite.			01627	194.60	194.94	0.34m		
194.94	207.0	Quartzite	Coarse grain. Few PBQZ sections. <1% pyrite. Smokey quartz grains to pea-sized in groundmass. Becomes medium grain and massive to bottom.								
207.0	208.0	Quartzite	Medium grain, darker green to grey. Minor contamination from chlorite. Occasional grey angular clast.								
208.0	208.4	Quartzite to PBQZ	Dark grey, coarse grain quartzite. Occasional quartz clast. Fine disseminated pyrite.			01628	208.0	208.4	0.40m		
208.4	209.0	PBQZ	Dark grey, smokey quartz grains. Disseminated pyrite. Occasional pyrite stringer Tiny white clasts in groundmass. Minor carbonate content. Sharp lower contact			01629	208.40	209.0	0.60m		

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Drill Log
Journal de forage

Table with columns: Footage/Avancement (From/De, To/À), Rock type / type de roche, Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.), Planar Feature Angle \* / Angle des caractéristiques planes, Core Specimen Footage / Longueur en pieds des carottes prélevées, Your Sample No. / N° d'échantillon du prospecteur, Sample Footage / Niveau de prélèvement de l'échantillon (en pieds) (From/De, To/À), Sample Length / Longueur de l'échantillon, Assays / Analyses minéralurgiques.

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From/De	To/À						From/De	To/À		
209.0	209.34	QPC	Well packed cobble conglomerate. Cobbles and pebbles to 4cm. Fair massive			01630	209.0	209.34	0.34m	
		Basal	pyrite. Dark clasts and fragments in matrix. Chloritic contamination. Couple of large mafic angular fragments. Lower contact - unconformity @ 75deg to LCA							
209.34	209.85	Archean	Light green exterior to core. Darker green interior when broken. Very fine grain			01631	209.34	209.85	0.51m	
		Volcanics	Chloritic. Fairly soft ot scratch. Pyrite streaking.							
209.85	213.0	Archean	VEry fine grain dark green. Soft. Much carbonate content and streaking.							
		Volcanics	Occasional pyrrhotite. Numerous amygdales of carbonate. Banding @ 60deg to LCA.							
213.0	219.0	Archean	Dense basaltic volcanic. Dark green to black. Quartz/carbonate streaking.							
		Volcanics								
			EOH 219.0							

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Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

## Drill Log Journal de forage

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Under section 8 of the Mining Act, this information is used to maintain a public record. / Aux termes de l'article 8 de la Loi sur les mines, ces renseignements serviront à tenir à jour les dossiers publics.

Hole ID / Forage n° PM-08-87		Claim No. / N° de concession minière SSm3009485		Township/Area / Canton JOUBIN	
Name of Land Holder / No, de Pcfc Mountain Resources		Azimuth 180 °	Dip / Inclinaison -85 °	End of Hole (m) / fin de forage (m) 22.5m	Overburden Depth / profondeur des morts- terrains 9.0m
Drilling Company / Compagnie de forage M. G. Drilling Inc		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 363m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mmm/jj) 2008-02-25	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mmm/jj) 2008-02-26	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mmm/jj) 2008-02-28	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake. ON.		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u>
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée:	Longitude:
Easting / Abscisse:	

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						From/De	To/À		
0.0	9.0	Casing							
9.0	16.0	Greywacke							
		fairly soft and very fine grain. Occasional white bull quartz vein 3cm to 8cm.							
		Lower part of section grades into dark grey fine grain quartzite.							
16.0	17.25	Quartzite							
17.25	17.70	Lamprophyre							
		Dyke							
17.70	32.9	Quartzite							
		Sinson Mbr.							
32.9	33.35	Siltstone/ Argillite							
		Medium green colour, very fine grain. Soft/chloritic with bull quartz mix. 75deg contact.							

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From/De	To/À						From/De	To/À		
33.35	34.34	Conglomerate	Oligomictic quartz pebble conglomerate. White quartz pebble to 3cm. Silty green matrix. Barren. Not radioactive.							
34.34	69.0	Quartzite	Medium to coarse PBQZ for the most part. White quartz pebble typically pea-size or 1cm. Occasional 3cm white quartz pebble. 44.28 to 44.34 - Lamprophyre dyke. 25deg to LCA. Much carbonate content. Occasional mafic clast. Blocky from 63 to 65 m. Groundmass typically white/green quartz grains. Trace pyrite.							
69.0	89.5	Quartzite Stinson Mbr.	Lower part of Stinson Mbr. Fine grain pink to buff colour. Multiple narrow dark bands with trace pyrite and dark flakes associated with bedding planes. &5deg to LCA. Occasional interbedded greenish/brown siltstone beds. Scint. reading 400 to 600 cps The lower contact is bull quartz mixed with soft siltstone.							
89.5	92.65	PBQZ	Darker grey, coarse grain to PBQZ sections. Looks a bit like a weak Ramsay Lake Conglomerate. Couple of elongated very opaque white quartz clasts to 2cm. Smokey granular matrix. Trace pyrite. (400 to 500 cps)							
92.65	100.02	Quartzite	Coarse grain light grey to buff. Gritty from 93.5 to 96.0 m. Lighter buff green groundmass. Smokey quartz grains. (400 to 500 cps) Sharp contact with lower Ryan member.							
100.02	149.65	Quartzite Ryan Mbr.	Medium to coarse grain, green, arkosic. Bedding 75deg to Lca. Numerous narrow dark stringers. Occasional white quartz clast. Good quality core. No oxidation. Occasional PBQZ bed to 20cm. Smokey quartz pebbles to pea-sized. Trace pyrite.							
149.65	191.87	Quartzite	Medium to coarse grain, green arkosic. As above but increase in floater PBQZ beds. Larger pebbles and groundmass is coarser. Four narrow mafic sills @ 149.65 (6cm), 154.68(5cm), 154.86(4cm), 169.97(16cm). Bedding @ 75deg. to LCA.							

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From/De	To/À						From/De	To/À		
191.87	196.48	Quartzite	Coarse grain, green arkosic. PBQZ "floaters" reefs @ 192.6(8cm), 193.12(15cm) 193.5(8cm), 194.22(22cm), 194.9(20cm). Smokey pebbles to 1cm. <1% pyrite. Occasional dark stringer.							
196.48	197.08	Quartzite	Coarse grain, green arkosic. 5% quartz pebbles to 1cm. Few dark bands. <1% pyrite.			01632	196.48	197.08	0.60m	
197.08	197.77	Quartzite	Medium to coarse grain, green arkosic. One dark stringer. Good quality core.			01633	197.08	197.77	0.69m	
197.77	197.97	Conglomerate	Loosely packed QPC. 20% pebble content. Pebbles to 1cm. Occasional 2cm Strat. HW Main elongated mafic or chert elast. Couple pyrite stringers of detrital pyrite.			01634	197.77	197.97	0.20m	
197.97	198.16	Quartzite	Medium grain, green arkosic quartzite. Barren.			01635	197.97	198.16	0.19m	
198.16	198.64	QPC	Medium packed pebbles to 40%. 1cm diam. typically. Smokey quartz grains and pebbles. Mafic grains in matrix. Sericitic cement. <1% pyrite.			01636	198.16	198.39	0.23m	
198.39	198.64	QPC	Loosely packed QPC. 15% pebble content to 1cm. Angular quartz and mafic grains in groundmass. <1% pyrite.			01637	198.39	198.64	0.25m	
198.64	198.86	QPC	Medium packed. Sub-rounded and angular to elongated pebbles. Smokey. 2% pyrite.			01638	198.64	198.86	0.22m	
198.86	199.16	QPC	Well packed 50% pebbles to 3cm. Quartz and chert. 25% detrital interstitial pyrite. Mafic grains in matrix. Yellowish cement.			01639	198.86	199.16	0.30m	
						Duplicate	01640	198.86	199.16	0.30m
						Blank	01641			
						Std. DI-1a	01642			
199.16	199.35	QPC	Loosely packed. Smokey quartz and occasional chert to 3cm. 10% pyrite. Smokey grains and sericitic cement in groundmass.			01643	199.16	199.35	0.19m	
199.35	199.56	QPC	Loosely packed 20% pebbles to 1cm. 5% pyrite. Smokey and elongated pebbles.			01644	199.35	199.56	0.21m	
199.56	199.86	QPC	Medium packed 50% pebble content. Pebbles to 3cm. Mix of white and smokey quartz with occasional mafic elast. 5% pyrite.			01645	199.56	199.86	0.30m	

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From/De	To/À						From/De	To/À			
199.86	200.02	QPC	As above with 10% pyrite. Elongated pebbles of mafic and cherty.			01646	199.86	200.02	0.16m		
200.02	200.20	QPC	Loosely packed 15% pebbles to 1cm. Coarse green matrix. <1% pyrite.			01647	200.02	200.20	0.18m		
200.20	200.34	QPC	Well packed. Chert and smokey quartz pebbles to 2cm. 25% detrital pyrite.			01648	200.20	200.34	0.14m		
200.34	200.50	PBQZ	Coarse grain matrix. Occasional quartz clast to 1cm. Smokey grains in green matrix. 1% pyrite.			01649	200.34	200.50	0.16m		
200.50	200.85	QPC	Loosely packed with 15% pebble content to 2cm diam. pebbles. Smokey. Heavy detrital pyrite as bands at top and bottom of section. 10cm coarse green quartzite between. 10to20% pyrite. Mafic grains in matrix with smokey quartz.			01650	200.50	200.85	0.35m		
200.85	200.97	QPC	Medium packed mix of white and smokey quartz with occasional chert clast.			01651	200.85	200.97	0.12m		
		FW Main	Angular and elongated pebbles to 3cm. <1% pyrite. Sharp lower contact 70deg.								
200.97	201.86	Quartzite	Medium grain massive green arkosic quartzite. <1% pyrite.			01652	200.97	201.86	0.89m		
201.86	214.16	Quartzite	Coarse grain, massive quartzite. White quartz grains and pea-sized pebbles in part. Lower 2 to 3 m becomes darker green to grey. Contamination from volcanics. Occasional white quartz clast throughout section. Trace pyrite.								
214.16	214.55	Quartzite	Medium grain, dark green massive. Occasional quartz clast - elongated. Dark smokey groundmass. Trace pyrite.			01653	214.16	214.55	0.39m		
214.55	214.90	Quartzite	Coarse grain to PBQZ. Occasional quartz pebble. Occasional pyrite streak. Dark green groundmass with lighter green cement.			01654	214.55	214.90	0.35m		
214.90	215.26	Conglomerate	Medium packed quartz and chert pebbles to 5cm diam. Dark grey groundmass.			01655	214.90	215.26	0.36m		
		HW Basal	Fair pyrrhotite blebs. Chloritic contamination in matrix. Larger pebbles unaffected.								
215.26	215.48	QPC	Loosely packed quartz, feldspar and chert pebbles to 4cm. Angular. Pyrrhotite 10%. coating pebbles. Chalcopyrite flakes. Soft.			01656	215.26	215.48	0.22m		

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Drill Log
Journal de forage

Table with columns: Footage/Avancement (From/De, To/À), Rock type / type de roche, Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.), Planar Feature Angle ° / Angle des caractéristiques planes, Core Specimen Footage / Longueur en pieds des carottes prélevées, Your Sample No./ N° d'échantillon du prospecteur, Sample Footage / Niveau de prélèvement de l'échantillon (en pieds) (From/De, To/À), Sample Length / Longueur de l'échantillon, Assays / Analyses minéralurgiques. Data rows include QPC, FW Basal, Archean, and Volcanics.

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Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

## Drill Log Journal de forage

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Under section 8 of the *Mining Act*, this information is used to maintain a public record. / Aux termes de l'article 8 de la *Loi sur les mines*, ces renseignements serviront à tenir à jour les dossiers publics.

Hole ID / Forage n° PM - 08 - 89		Claim No. / N° de concession minière SSM4218565		Township/Area / Canton JOUBIN	
Name of Land Holder / No. de Pele Mountain Resources		Azimuth 180 °	Dip / Inclinaison -69 °	End of Hole (m) / fin de forage (m) 309	Overburden Depth / profondeur des morts-terrains 11.5
Drilling Company / Compagnie de forage M.G. Drilling Inc.		Logged by (print) / inscrit par (écrite en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Elévation du collier 360
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-03-27	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-03-30	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-03-31	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, On.		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5138405	Longitude:
Easting / Abscisse: 382800	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No. / N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	11.5	Casing	Pink granite, diabase, quartzite and argillite rubble.							
11.5	28.0	Argillite	Very fine grain, dark grey. Interbedded with medium grey fine grain quartzite.							
		McKim Frm.	The argillite forms 1 to 1.5 m beds. The lower section 22.5 to 28.0 is argillite							
			Good quality core. 18.9m - 10 cm broken core.							
28.0	40.25	Quartzite	Medium grain, dark grey with interbedded narrow bands of argillite and poorly							
		Stinson Mbr.	developed Ramsay Lake Conglomerate. Occasional quartz and granite clast to							
			3cm.							
			32.7 to 33.8 - brecciated quartz zone.							
			38.04 to 38.13 - felsic dyke, carbonate content, medium grain with disseminated							
			pyrite and white phenocrysts mixed with mafic grains. Chlorite/biotite.							
			39.5 to 39.55 - weak pebble band that is discontinuous.							

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From/De	To/À						From/De	To/À		
			41.05 to 41.25 - Another coarse grain felsic dyke or breccia. 70deg to LCA with sharp contacts. Appears to have argillite shards and disseminated pyrite. Minor feldspar alteration. Some calcitic veining.							
40.25	42.26	Quartzite	Coarse grain, medium to dark grey. "Dirty quartzite" Possibly poorly developed greywacke. Light and mafic clasts. Disseminated pyrite.							
42.26	42.66	Quartzite	Coarse grain greywacke quartzite. Light to medium grey. Disseminated pyrite.			01801	42.26	42.66	0.40m	
42.66	43.28	Quartzite	Medium grain, light grey. Disseminated pyrite forming narrow bands. 500cps			01802	42.66	43.28	0.62m	
43.28	43.64	Quartzite	Medium grain, light grey. Numerous pyritic bands - detrital. 600 cps			01803	43.28	43.64	0.36m	
43.64	44.07	Quartzite	Medium grain, light grey. As above. 600 to 700 cps			01804	43.64	44.07	0.43m	
44.07	44.59	Quartzite	As above. Increase in stringers.			01805	44.07	44.59	0.52m	
44.59	45.22	Quartzite	Medium grain, light grey. Fewer pyritic bands.			01806	44.59	45.22	0.73m	
45.22	46.02	Quartzite	Medium grain as above few bands. Almost barren.			01807	45.22	46.02	0.80m	
46.02	46.67	Quartzite	Medium grain with increase in banding. 450 to 550 cps			01808	46.02	46.67	0.65m	
46.67	47.04	Quartzite	As above.			01809	46.67	47.04	0.37m	
47.04	47.57	Quartzite	As above. Fair pyrite			01810	47.04	47.57	0.53m	
47.57	48.00	Quartzite	As above. Numerous stringers.			01811	47.57	48.00	0.43m	
48.00	48.56	Quartzite	As above. 500 to 600 cps			01812	48.00	48.56	0.56m	
48.56	48.90	Quartzite	As above. Heavier banding. 500 to 600 cps.			01813	48.56	48.90	0.34m	
48.90	49.30	Quartzite	Medium grain with fewer dark bands.			01814	48.90	49.30	0.40m	
49.30	49.70	Quartzite	Medium grain with fair banding. 500 to 600 cps.			01815	49.30	49.70	0.40m	
49.70	49.82	Quartzite	Medium grain, light grey to white. Barren.			01816	49.70	49.82	0.12m	
49.82	57.80	Quartzite	Medium grain, light grey. Occasional narrow dark pyritic band. Occasional buff brown grit bed and discontinuous section of the same.							
57.80	67.50	Quartzite	Medium grain, light grey. Occasional 2cm quartz pebble. Good quality core.							

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From/De	To/À						From/De	To/À		
67.50	88.67	Quartzite	Medium to coarse grain, massive. Grey. Occasional pea-sized pebbles. Quartz pebbles to 1cm. Angular. Rare pyritic band, detrital. Good quality core.							
88.67	89.15	Mafic Dyke Fault gouge	Fine to medium grain, black. Muddy in part. Both contacts have quartz/carbonate veining. 35 to 40 deg to LCA. Carbonate in groundmass. Soft. Mudseam.							
89.15	100.2	Quartzite	Medium to coarse grain, grey. Becomes coarse @ 99m. Faint pyrite as bands and disseminated. Core quite blocky. Couple of high angle fractures running length of core. Broken. Not oxidized.							
100.2	106.4	Quartzite	Fine to medium grain, grey. Altered around lamprophyre sills and dyke. Irregular micro-fracturing with K-feldspar alteration. Dark staining in fracture 101.8 to 102.8 - Lamprophyre dyke - 20deg to LCA. Dark green, medium soft carbonate in matrix, medium grain. Few mafic shards/clasts. Feldspar clasts. Also biotite/hornblende clasts. Not magnetic. Disseminated pyrite. 103.0 to 103.4 - Lamprophyre dyke - As above with sharp lower contact. The zone is consolidated breccia. Possibly a fault. 103.4 to 106.4 - Medium to coarse grain, grey. Minor pyritic bands. High angle fracture near bottom of section.							
106.4	111.2	Quartzite	Fine grain, grey. Increase in pyritic banding but faint. Typically 80 to 85 deg to LCA. Weak radioactivity.							
111.2	118.0	Quartzite	Fine grain, pink, altered quartzite. Laminated appearance of finely disseminated detrital pyrite as beds - very narrow. 6cm Lamprophyre sill @ 111.25 117.5 to 117.8 - siltstone bed - poor contacts with 2cm brecciated bed in middle							
118.0	119.2	PBQZ	Gritty section of grey quartzite. Occasional quartz clast. Lower 0.6m is QPC. White quartz pebbles to 1cm. Barren.							

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119.2	126.43	Quartzite	Coarse grain, gritty, grey quartzite. Occasional quartz clast. Good core. Very faint disseminated pyrite. Very faint sericitc alteration. Couple of pyrite bands. K-feldspar alteration at bottom of section.							
126.43	128.67	Quartzite	Coarse grain. Increase in sericitic alteration with pea-sized pebbles to 10%							
128.67	131.66	Quartzite	Coarse grain, grey. Occasional white quartz clast and mafic clast to 2cm. <1% pyrite.							
131.66	145.9	Quartzite	Medium to coarse grain, green arkosic. Faint narrow dark banding. Trace pyrite.							
		Ryan Mbr.	Smokey quartz grains with banding. Occasional pea-sized quartz clast. Bedding @ 80deg to LCA.							
145.9	146.17	Lamprophyre	Medium grain dark green to buff. Much carbonate in groundmass. Sill @ 80deg to LCA. Feldspar alteration of quartzite before sill.							
146.17	171.0	Quartzite	Medium grain, green arkosic. Occasional fine grain section. Few dark bands.							
		Vuggy	155.5 to 158.5 - blocky ground. Few high angle fractures with quartz veining and vuggy sections. Narrow fractures. Ground in blocky. No oxidation.							
171.0	195.0	Quartzite	Medium grain, green arkosic. Occasional quartz clast and few narrow dark bands							
195.0	201.0	Quartzite	As above. Core broken 195 to 195.2, 199.25 to 200.0 - chippy.							
201.0	221.05	Quartzite	Medium to coarse grain, green. Increase in dark banding. PBQZ and occasional quartz clast. <1% pyrite.							
221.05	229.5	Quartzite	Medium to coarse grain, green. Some narrow dark stringers. PBQZ @ 223.35(10 cm). 223.80(25cm). 228.36(22cm) 228.71(25cm)							
229.5	235.82	Quartzite	Medium to coarse grain darker green. Occasional 1cm quartz pebble. Floater beds increasing.							
			231.67to232.33 - PBQZ			01817	231.67	232.33	0.66m	
			232.3 3to232.90 - PBQZ <1% pyrite			01818	232.33	232.90	0.57m	

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			232.90 to 233.23 - Quartzite, coarse grain			01819	232.90	233.23	0.33m		
			233.23 to 233.76 - PBQZ			01820	233.23	233.76	0.53m		
			233.76 to 233.86 - QPC, medium packed, smokey, <1% pyrite			01821	233.76	233.86	0.10m		
			233.86 to 233.94 - Quartzite, coarse grain.			01822	233.86	233.94	0.08m		
			233.94 to 234.09 - QPC, well packed, 2% pyrite.			01823	233.94	234.09	0.05m		
			234.09 to 234.19 - Quartzite			01824	234.09	234.19	0.10m		
			234.19 to 234.30 - QPC, well packed <1% pyrite			01825	234.19	234.30	0.11m		
			234.30 to 234.61 - Quartzite			01826	234.30	234.61	0.31m		
			234.61 to 234.68 - QPC, 5% pyrite			01827	234.61	234.68	0.07m		
			234.68 to 235.17 - Quartzite, light green			01828	234.68	235.17	0.49m		
			235.17 to 235.82 - Quartzite, light green			01829	235.17	235.82	0.65m		
235.82	236.30	Quartzite	Coarse grain, green with occasional quartz clast. <1% pyrite.			01830	235.82	236.30	0.48m		
236.30	236.76	PBQZ	Medium packed with pebbles to 1cm. Medium grain groundmass			01831	236.30	236.76	0.46m		
						Blank					
						Std. DI-1a					
236.76	236.85	QPC	Medium packed, smokey. Quartz pebbles to 1cm. <1% pyrite			01834	236.76	236.85	0.09m		
236.85	237.00	Quartzite	Medium to coarse grain, green. Occasional quartz clast. <1% pyrite			01835	236.85	237.00	0.15m		
237.00	237.21	Quartzite	As above. One large 2cm quartz pebble			01836	237.00	237.21	0.21m		
237.21	237.35	Quartzite	As above, <1% pyrite.			01837	237.21	237.35	0.14m		
237.35	237.48	PBQZ	Loosely packed. Occasional dark band. <1% pyrite.			01838	237.35	237.48	0.13m		
237.48	237.58	Quartzite	Medium grain, green, barren			01839	237.48	237.58	0.10m		
237.58	237.68	Quartzite	Medium grain. <1% pyrite. Occasional quartz clast			01840	237.58	237.68	0.10m		
237.68	237.81	Quartzite	As above			01841	237.68	237.81	0.13m		
237.81	237.96	Quartzite	As above			01842	237.81	237.96	0.15m		

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237.96	238.16	QPC	Medium packed. Pebbles to 2cm. Quartz/chert/mafic. 1 to 2% pyrite.			01843	237.96	238.16	0.20m	
		HW Main				Duplicate	01844	237.96	238.16	0.20m
238.16	238.33	PBQZ	Loosely packed, pea-sized pebbles. Smokey, <1% pyrite.			01845	238.16	238.33	0.17m	
238.33	238.57	PBQZ	Smokey, loosely packed. <1% pyrite. Sericitic. siltstone cement.			01846	238.33	238.57	0.24m	
238.57	238.69	Quartzite	Medium grain. green. <1% pyrite.			01847	238.57	238.69	0.12m	
238.69	238.93	QPC	Medium packed pebbles to 2cm. Quartz.chert/mafic. 20% pyrite			01848	238.69	238.93	0.24m	
238.93	239.16	QPC	Loosely packed. Couple white quartz pebbles to 2cm. <1% pyrite			01849	238.93	239.16	0.23m	
239.16	239.35	QPC	Well packed mix of chert and quartz pebbles to 2cm. Heavy pyrite - detrital and buckshot to 30%			01850	239.16	239.35	0.19m	
239.35	239.54	QPC	Well packed smokey quartz pebbles that are layered with dark groundmass. 40 to 50% pyrite mixed with dark grains in matrix. Pebbles to 2cm. 9000 eps - very high grade section.			01851	239.35	239.54	0.19m	
239.54	239.72	QPC	Well packed quartz pebbles to 2cm. 5% pyrite. Occasional elongated mafic clast			01852	239.54	239.72	0.18m	
239.72	239.90	QPC	Medium packed. Angular pebbles to 2cm. Chert/quartz. Detrital and buckshot pyrite to 10%. Interstitial pyrrhotite. Not too often this occurs in this reef.			01853	239.72	239.90	0.18m	
239.90	240.0	QPC	Medium packed with 2% pyrite and pyrrhotite. Light green cement. Sharp lower contact			01854	239.90	240.0	0.10m	
240.0	240.32	Quartzite	Medium grain. green. Gritty with light green cement. Barren.			01855	240.0	240.32	0.32m	
240.32	240.76	Quartzite	As above with occasional fine grain bedding.			01856	240.32	240.76	0.44m	
						Blank	01857			
						Std. DL-1a	01858			
240.76	248.40	Quartzite	Medium to coarse grain, gritty. Occasional fine grain section. Broken and blocky @ 241.1 to 241.8m. High angle fracture 5deg to LCA. 245 to 246 - fracture @ 5deg with dark staining. Massive fine grain to bottom of section. Bleached look							

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**Drill Log**  
**Journal de forage**

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From/De	To/À						From/De	To/À			
248.40	249.07	Quartzite	Fine grain, dark green. Barren			01859	248.40	249.07	0.67m		
249.07	249.14	QPC	Few smokey quartz pebbles to 2cm in a light green sericitic matrix. No pyrite.			01860	249.07	249.14	0.07m		
		Basal Unit									
249.14	249.50	Quartzite	Very fine grain, light green. Siltstone/ paleosol - possibly phylitic.			01861	249.14	249.50	0.36m		
249.50	250.0	Bull Quartz	White with occasional chloritic/volcanic shard. As a sill.								
250.0	250.3	Quartzite/Soil	Very Fine grain, light green on exterior. Darker groundmass. Occasional quartz vein. Possibly paleosol or regolith			01862	250.0	250.3	0.30m		
250.3	250.67	Breccia Dyke	Unconformable brecciated dyke with quartzite/quartz and volcanic clasts and shards. Contacts @ 30 to 60deg. Multishades of green, white and grey.			01863	250.32	250.67	0.37m		
250.67	254.60	Volcanics	Fine grain, light green with albite alteration as layering. Very dense.								
		Huronian	Chloritic. Medium soft with no carbonate or magnetite.								
254.60	269.5	Volcanics	Fine grain, dark grey to black. Dense looking andesite or basalt. Faint flow features. One 11cm bull quartz vein with basement rock shards. Not magnetic.								
		Archean	Very tough No carbonate material.								
269.5	275.8	Volcanics	Massive albite schist sill like feature. 85deg upper contact - sharp. Lower contact @ 70deg. Seems to be altered but looks more like a very coarse tuffaceous altered sill. Light grey to blueish-green colour. Cement is darker.								
		Altered									
275.8	284.0	Volcanics	Fine grain, dense black basalt. Occasional quartz stringer. Much carbonate material in groundmass. Not magnetic. Faint flow features and amygdales.								
		Archean	These are lighter grey. 280.8 to 281.3 - chippy								
284.0	309.0	Volcanics	Fine grain dark grey to black. Dense andesite or basalt. Some quartz shards and flow features. Lighter coarser grain sections - andesite. Very magnetic.								
			EOH 309.0m								

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## Drill Log Journal de forage

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Hole ID / Forage n° PM -08 -90		Claim No. / N° de concession minière SSM 3009474		Township/Area / Canton JOUBIN	
Name of Land Holder / No, de Pele Mountain Resources		Azimuth 180 °	Dip / Inclinaison -60 °	End of Hole (m) / fin de forage (m) 374	Overburden Depth / profondeur des morts- terrains BEDROCK
Drilling Company / Compagnie de forage M.G. Drilling Inc.		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Elévation du collier 345m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-04-02	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-04-05	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-04-07	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON.		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5138375	Longitude:
Easting / Abscisse: 380845	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	19.0	Casing 2.0m	Badly broken, blocky mix of argillite and medium to dark grey quartzite. Fine to							
		Argillite	very fine grain. No sign of granite boulders. Collared on bedrock. Fractured							
		McKim Fmt.	ground 75deg to LCA. Vicinity of Canyon Lake Fault Zone.							
19.0	37.27	Argillite	Mix of bedded argillite and grey quartzite. Fine grain. Predominantly argillite.							
			Soft and barren.							
37.27	51.0	Grey Quartzite	Fine grain dark grey. Barren. Occasional interbedded argillite.							
51.0	90.8	Argillite	Interbedded grey quartzite and argillite. Drillers lost water pressure @ 55m. No							
		Quartzite	evidence of fracturing in this location. Good quality core in general.							
			63.9 to 64.35 - Bull quartz with irregular contacts.							
			66.0 to 66.5 - Bull quartz mixed with argillite							
			Argillite and quartzite continue to bottom of section - good quality core.							

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From/De	To/À						From/De	To/À		
90.8	91.12	Argillite	Fine grain, dark green argillite with white quartz/carbonate stringers. Pyrite blebs and stringer. Few shards of argillite stretched and angular. Stressed bed.							
91.12	93.0	Argillite	Fine grain dark green argillite grading to greywacke. Few quartz clasts.							
93.0	102.8	Ramsay Lake Conglomerate	Loosely packed and poorly developed. Few granite cobbles to 6cm. Numerous rounded quartz pebbles and mafic shards - elongated. Disseminated pyrite. Not magnetic or radioactive. Dark green to black groundmass. Tough rock.							
102.8	106.07	Greywacke	Fine grain, dark grey groundmass. Pea-sized quartz clasts, coarse grain in part. Some sections are lighter grey. Grades back into argillite.							
106.07	110.40	Argillite	Very fine grain dark green to black. Soft.							
110.40	112.90	Quartzite	Dark grey, fine grain. Occasional light grey carbonate section.							
112.90	135.0	Argillite Quartzite	Very fine grain, layered argillite and dark grey quartzite. Primarily grey quartzite.							
			132.0 to 134.24 - Broken, chippy core. Argillite with 4cm brecciated quartz vein 45deg to LCA. ~ 0.40m lost core.							
135.0	139.6	Quartzite Stinson Mbr.	Very fine grain laminated grey quartzite. Light and dark grey banding. Very faint disseminated pyrite.							
139.6	151.0	Quartzite	Very fine grain medium grey quartzite. Few bands of fine grain buff quartzite. Barren. Very minor sericitic alteration.							
151.0	156.72	Quartzite	Fine to medium grain, grey quartzite. Occasional very faint pyritic band. Bedding @ 75deg to LCA.							
156.72	176.7	Quartzite/QPC	Coarse groundmass of quartz grains with 20% quartz pebble content of pea-sized to 0.5cm pebbles 80 to 90% white quartz. Faint sericitic alteration. Grey to white. Barren with occasional pyrite bleb. Not radioactive.							

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From/De	To/À						From/De	To/À		
176.7	192.85	Quartzite	Fine to medium grain, grey. Weak disseminated pyrite. Very fine dark banding 188.0 to 189 - high angle drag fault , 1cm displacement. Minor pyritic dark banding.							
192.85	208.2	Quartzite/QPC	As 156.72 but with less pebble content. Barren.							
208.2	215.6	Quartzite Ryan Mbr.	Medium to coarse grain green arkosic. Sharp upper contact 70 to 80deg. 213.35 to 214.0 - grey altered quartzite. Micro-fracturing - minor. 214.0 - fracture with dark staining 20deg to LCA.							
215.6	230.37	Quartzite	Medium grain with some fine grain sections of green arkosic quartzite. Few dark mineralized bands @ 75deg to LCA.							
230.37	231.77	Quartzite Fault Breccia	Medium grain slightly darker green. 230.76 to 231.0 - Mafic dyke/fault breccia. Broken, crumbly and soft. Mud-like. No carbonate content. Not magnetic. Bottom contact not visible. Upper contact @45deg to LCA. Sharp. No secondary min. Minor feldspar alteration with pea sized pebbles and clasts.							
231.77	271.06	Quartzite	Medium to coarse grain, green arkosic. Increase in dark banding. Occasional white quartz clast.							
271.06	275.30	Quartzite	Medium grain, green, arkosic. Occasional smokey dark band. <1% pyrite. 272.9 - interesting 3cm wide quartz breccia dyke @ 40deg to LCA. Smokey clasts and shards of light grey sericite and siltstone.							
275.30	279.4	Quartzite	Medium grain, light green arkosic. 275.62 to 275.69 - Lamprophyre sill 65deg to LCA. Gritty looking. Carbonate component in groundmass. Dark grey to buff colour. Medium grain. Sharp contacts 276.2 to 276.5 - Three narrow lamprophyre sills. 75deg.. Occasional K-feldspar alteration as stringers or vein-like.							

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279.4	279.8	Quartzite	Brownish lamprophyre dyke @ 45deg to LCA 6cm wide - Carbonate in dyke. Darker grey coarse altered quartzite around dyke. Some k-feldspar alteration.							
279.8	281.25	Quartzite	Medium grain, light green to grey. Occasional quartz clast and dark stringer. Minor feldspar alteration.							
291.25	282.44	Quartzite	Coarse, gritty. 20 % pea-sized grains or pebbles. <1% pyrite. Medium green.							
282.44	285.20	Quartzite	Medium grain, light green arkosic. Occasional white quartz clast.							
285.20	289.84	Quartzite	Medium grain, grey - altered quartzite. Occasional quartz clast. Occasional micro- fracture with dark staining. Gritt to bottom with minor sericitic alteration.							
289.84	291.07	QPC/Breccia	Unsorted QPC looking more like a brecciated quartzite with large angular clasts. Assorted sizes of angular shards. Smokey groundmass. Very minor pyrite. Dark micro-fracturing with no orientation. Weak radioactivity.							
291.07	293.8	Quartzite	Medium grain, massive medium green. Occasional pea-sized quartz clast. Couple sections of altered banding and dark stringers as micro-fractures. No orientation to these features. Bedding has been lost.							
293.8	295.0	Quartzite	Fine grain, light grey. Numerous chloritic/biotite veins with poor orientation. Barren. Altered appearance.							
295.0	295.54	Quartzite	Fine grain, grey. Few x-cutting dark stringers.			01864	295.0	295.54	0.54m	
295.54	295.90	PBQZ	Couple 6cm sections with pyrite stringers - 2% pyrite and few pebbles to 1cm.			01865	295.54	295.90	0.36m	
295.90	296.00	QPC	Dark brecciated QPC. Pebbles angular to 1cm. 1% pyrite			01866	295.90	296.0	0.10m	
296.0	296.18	QPC	Dark grey with no sericitic alteration of groundmass. 5% pyrite. 1cm quartz vein cuts across LCA. Pebbles stretched and smokey.			01867	296.0	296.18	0.18m	
296.18	296.27	Quartzite	Medium grain, green			01868	296.18	296.27	0.09m	
296.27	296.67	PBQZ	Grey with very fine disseminated pyrite. Tiny white clasts in groundmass.			01869	296.27	296.67	0.40m	
296.67	296.92	PBQZ	As above			01870	296.67	296.92	0.25m	

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From/De	To/À						From/De	To/À			
296.92	297.16	PBQZ	As above with one massive pyrite stringer.			01871	296.92	297.16	0.24m		
297.16	297.32	Quartzite	Coarse grain, green arkosic.			01872	297.16	297.32	0.16m		
297.32	297.41	PBQZ	Grey., coarse with angular clasts in smokey groundmass. Few pyrite streaks.			01873	297.32	297.41	0.09m		
297.41	297.74	Quartzite	Coarse grain, gritty, green. Occasional quartz clast and elongated pebble to 1cm			01874	297.41	297.74	0.33m		
297.74	297.90	QPC	Loosely packed, grey with few angular quartz clasts to 2cm. 1% pyrite			01875	297.74	297.90	0.16m		
297.90	298.10	Quartzite	Medium to fine grain, green. <1% pyrite			01876	297.90	298.10	0.20m		
298.10	298.40	QPC	Loosely packed grey, smokey, angular pebbles with 5% detrital pyrite.			01877	298.10	298.40	0.30m		
298.40	298.60	QPC	Loosely packed with large brecciated clasts, grey. <1% pyrite			01878	298.40	298.60	0.20m		
298.60	299.13	Quartzite	Coarse grain, green. Occasional quartz clast to 1cm. <1% pyrite			01879	298.60	299.13	0.53m		
299.13	299.45	QPC	Loosely packed. Few angular pebbles to 3cm. Mostly PBQZ groundmass. <1% pyrite			01880	299.13	299.45	0.32m		
299.45	299.64	Quartzite	Coarse grain, green, gritty. Some K-feldspar alteration. 1% pyrite.			01881	299.45	299.64	0.19m		
299.64	299.90	PBQZ	Darker green groundmass. Few pea-sized pebbles. <1% pyrite.			01882	299.64	299.90	0.26m		
299.90	300.11	QPC	Loosely packed. Dark matrix with some feldspar alteration of grains. <1% pyrite			01883	299.90	300.11	0.21m		
300.11	300.40	Quartzite	Coarse grain, green. <1% pyrite.			01884	300.11	300.40	0.39m		
300.40	302.2	Quartzite	Coarse, massive green arkosic. Gritty. Barren. Increasing feldspar alteration of groundmass. Sharp lower contact.								
302.2	304.0	Fault Breccia	Altered quartzite and QPC. Chlorite and feldspar alteration in groundmass. Angular fragments to 4cm. Lower contact sharp at 25deg. Appears to be a fault with displacement. Very weak radioactivity. Dark grey groundmass for most part								
304.0	305.65	Quartzite	Medium to coarse grain, darker green arkosic. 30% feldspar alteration. Occasional dark stringer not oriented to bedding.								
305.65	307.3	Fault Breccia	Medium to coarse grain groundmass. Dark with chloritic and feldspar alteration. Quartz breccia. Some pea-sized white quartz. Weak radioactivity.								

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From/De	To/À						From/De	To/À		
307.3	317.80	Quartzite	Medium to coarse grain, light green. Fairly massive arkose. Occasional altered floater bed and gritt section a few cm wide. Occasional quartz clast.							
317.80	317.93	Quartzite	Medium grain, green. <1% pyrite.			01885	317.80	317.93	0.13m	
317.93	318.38	PBQZ	Darker green with occasional quartz clast. <1% pyrite.			01886	317.93	318.38	0.45m	
318.38	318.68	QPC	Dark matrix with feldspar alteration. Smokey groundmass. Minor pyrite.			01887	318.38	318.68	0.30m	
318.68	318.87	Quartzite	Massive, coarse grain, green.			01888	318.68	318.87	0.19m	
318.87	319.06	QPC	Loosely packed, white quartz pebbles - pea-sized. Dark matrix.			01889	318.87	319.06	0.19m	
319.06	319.30	QPC	Better packed with dark matrix. <1% pyrite. Some darker banding and feldspar alteration. 70deg to LCA.			01890	319.06	319.30	0.24m	
319.30	319.55	Quartzite	Medium grain, with occasional white quartz clast.			01891	319.30	319.55	0.25m	
						Blank				
						Std.				
319.55	321.6	Quartzite	Medium to coarse grain green arkosic. Few PBQZ sections with feldspar alteration. Occasional pebble to 1cm.							
321.6	360.4	Diabase	Medium grain dark green. Typical diabase texture with white/grey clasts. Very hard and magnetic. No carbonate content. Few bull quartz sections. 341.0 to 342.2 - broken 329.4 to 329.6 - lamprophyre dyke @ 20 deg to LCA - carbonate and soft. Upper contact @ 25deg - lower contact @ 45deg							
360.4	374.0	Huronian Volcanics	Very fine grain, dark green. Soft - chloritic. Quartz/carbonate streaking. Some foliation and amygdales. EOH							

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## Drill Log Journal de forage

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Hole ID / Forage n° PM-08-91 (LR-01)	Claim No. / N° de concession minière SSM1192671	Township/Area / Canton JOUBIN
Name of Land Holder / No. de Pele Mountain Resources	Azimuth 180 °	Dip / Inclinaison -60 °
Drilling Company / Compagnie de forage M.G. Drilling Inc.	Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright	End of Hole (m) / fin de forage (m) 110m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-05-12	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-05-14	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-05-14
		Overburden Depth / profondeur des morts- terrains 9.5m
		Core Size / Dimensions de la carotte BQ Thinwall
		Collar Elevation / Élévation du collier
		Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, On

### DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE

#### UTM / MTU

Datum:  NAD 27  NAD 83  
Zone:  15  16  17  18  
Northing / Ordonnée: 5137510  
Easting / Abscisse: 383700

#### Latitude / Longitude

degrees/minutes/seconds or decimal values  
degrés/minutes/secondes ou valeurs décimales  
Datum:  NAD 27  NAD 83  
Latitude:  
Longitude:

Footage/Avancement From/De	To/À	Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
							From/De	To/À		
0.0	10.0	Casing	Pink and white granite rubble with 5 cobble pieces 5 to 10 cm wide. Bedrock at 9.5m. Casing inserted 0.5 m into bedrock.							
			9.5 to 9.7 - Fracture 15 to 20deg to LCA. Bleached with minor vugs. Felsic metavolcanics with numerous tiny carbonate veinlets. No orientation. Light green very fine grain groundmass. Very hard. Rusty fracture @ 9.91m - 40deg to LCA.							
10.0	35.33	Metavolcanics	Very fine grain, light green felsic to intermediate metavolcanics and tuffs. Occasional pyroclastic, angular shard or fragment. Numerous carbonate veinlets some forming laminated appearance. Also in groundmass. 60 to 70 deg to LCA. Few carbonate veins at high angles some to 1cm wide. Occasional flow top breccia. Fault/fracture @ 32.65m - 30deg to LCA. Carbonate veinlets cut by small tight fault The shards could also be flow fragments.							

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

"Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)"

"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"





**Drill Log**  
**Journal de forage**

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
			31.67 to 32.65 - Darker flow bed, fine to medium grain wacke							
			32.65 to 35.33 - Finely layered and foliated .							
			11.9 to 12.04 - Bull quartz vein; 12.4 to 12.8 - Bull quartz vein.							
35.33	36.27	Mafic Flow -sill	Fine grain, darker grey metavolcanics. Dull white phenocrysts to 3mm. Appear to be plagioclase. Softer, sub-rounded. Top bottom contact with host rock at 65deg to LCA. Narrow brecciated tuff beds bordering. Pyrrhotite blebs to 4mm - <1% No carbonate. Feldspar porphyry.							
36.27	37.64	Felsic Tuff	Medium grain, brecciated tuff grading to finer grain to bottom.							
37.64	37.74	Bull quartz								
37.74	50.93	Felsic Vocanics	Very fine grain light green to grey. Hard. Much carbonate veining. Increase in foliation with no orientation.. Oecasional pyroclastic (?) shard. Lower contact sharp with mafic flows and carbonate veining. Minor shearing on fracture planes Pyrrhotite blebs on surface of some shear planes. 60deg to LCA.							
50.93	81.1	Metavolcanics	Very fine grain banded tuffs and mafic flows. Darker green for most part. Numerous carbonate veinlets. Some minor foliation. Buff coloured layering local, with cherty fragments. No mineralization.							
81.1	90.56	Tholeiitic Basalt	Medium grain, dark green with brecciated quartz veining. Occasional pyrite blcb associated with quartz. Bull quartz @ 83.3, 87.4, 90.56.							
90.56	110.0	Metavolcanics	Very fine grain, dark green. Numerous quartz/carbonate veinlets. Minor pyrite, chalcopryite @104m associated with altered carbonate veinlets with a lime green hue. Minor fault breccia @ 106.5m with minor (mm) displacement. Increase in carbonate , including groundmass. Also increase in layering.							
			EOH 110							

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

"Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)"

"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"



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**Drill Log**  
**Journal de forage**

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Hole ID / Forage n° PM-08-92 (GS-17)	Claim No. / N° de concession minière SSM1192671	Township/Area / Canton JOUBIN
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Name of Land Holder / No. de Pele Mountain Resources	Azimuth - °	Dip / Inclinaison -90 °	End of Hole (m) / fin de forage (m) 55m	Overburden Depth / profondeur des morts- terrains 1.0m
Drilling Company / Compagnie de forage M.G. Drilling Inc.	Logged by (print) / Inscrit par (écrite en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 347m

Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-05-14	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-05-14	Date Logged (yyyy/mm/dd) / Date d'inscription au Journal (aaaa/mm/jj) 2008-05-15	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, On.
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DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5137109	Longitude:
Easting / Abscisse: 384033	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pièdes des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pièdes)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	1.0	Casing	Pink granite rubble with one 8cm diabase cobble or boulder.							
1.0	30.75	Metavolcanics	Bedded and banded tuff and tuff breccia. 25 to 30deg to LCA. Very fine grain,							
		Intermediate	light green, banded - dark and light. Much carbonate in groundmass. More fragmented flows/beds in some sections. Brecciated look. Occasional quartz vein							
			Occasional cherty bed with a buff to green colour. Very hard.							
30.75	46.20	Metavolcanics	Intermediate to felsic metavolcanics. Medium to coarse grain in part. Probably							
		Intermediate	Tholeiitic basalt or elastic greywacke. Chert layering mixed with siltstone - very hard. Buff / green. Breccia looking sections from 36 to 37m. Minor quartz/ carbonate veinlets. Some very fine grain sections as chert or mudstone. These would be Archean metasedimentary. Occasional tight fracture with abut of							

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

"Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)"  
"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"



Ontario

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
			displacement. Some sections could be andesite tuffs with schistose appearance and green streaking.							
46.20	55.0	Metavolcanics	As above. Banded flows of fine grain interbedded mafic and cherty rock.							
			EOH 55m							

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

"Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)"  
"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"



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## Drill Log Journal de forage

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Hole ID / Forage n° PM-08-93 (GS-13)		Claim No. / N° de concession minière SSM1192671		Township/Area / Canton JOUBIN	
Name of Land Holder / No, de Pc/c Mountain Resources		Azimuth - °	Dip / Inclinaison -90 °	End of Hole (m) / fin de forage (m) 46m	Overburden Depth / profondeur des morts- terrains 2.5m
Drilling Company / Compagnie de forage M.G. Drilling		Logged by (print) / Inscrit par (écrite en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 368m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-05-16	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-05-16	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-05-16	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON.		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée:	Longitude:
Easting / Abscisse:	

Footage/Avancement	Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pièds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pièds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
						From/De	To/À		
0.0	2.5	Casing							
2.5	4.0	Metavolcanics							
		Layered. Partially sheared and broken from 3.4 to 4.0m. Fracturing @ 35deg to 50 deg to LCA. Bit of pink feldspar alteration.							
4.0	7.3	Metasediments							
		to Metavolcanic							
7.3	46.0	Metavolcanics							
		Very fine grain. Silicified andesite. Bedded with cherty looking flows and clast							
		Clastic bedded wacke and siltstone section. 42.1 to 43.1 - darker green							
		brecciated tuff with interlayered wacke. Sericitic alteration. No carbonate.							
		EOH 46m							

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

"Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)"

"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"



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## Drill Log Journal de forage

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Hole ID / Forage n° PM-08-94 (GS-10)	Claim No. / N° de concession minière SSM1192671	Township/Area / Canton JOUBIN
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Name of Land Holder / No. de Pclic Mountain Resources	Azimuth _ °	Dip / Inclinaison -90 °	End of Hole (m) / fin de forage (m) 52m	Overburden Depth / profondeur des morts- terrains 2.0m
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Drilling Company / Compagnie de forage M.G. Drilling Inc.	Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright	Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 358m
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Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-05-16	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-05-16	Date Logged (yyyy/mm/dd) / Date d'inscription au Journal (aaaa/mm/jj) 2008-05-17	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, On.
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DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée:	Longitude:
Easting / Abscisse:	

Footage/Avancement	Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No. / N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
						From/De	To/À		
0.0	2.0	Casing	Granite rubble and gravel.						
2.0	52.0	Intermediate	Light green to medium grey, Fine grain flows, Lappilli tuffs and tuff breccia.						
		Metavolcanics	Fair amount of carbonate in groundmass and as stringers. Layering is roughly						
		Archean	30 to 40 deg to LCA.						
			17.53 to 17.60 - Chippy, muddy section 35deg to LCA						
			10.4 to 11.0 - Quartz vein.						
			21.0 to 24 - Quartz veining						
			21.0 to 35.2 - Flow top breccia. White plagioclase clasts and stringers. Some carbonate.						
			36.5 to 52.0 - Tuff breccia and lythic tuff. Some interbedded andesite with a more massive look. Porphyritic looking in part with 1mm black phenocrysts.						

\*For features such as foliation, bedding, schistosy, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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**Drill Log  
Journal de forage**

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon ( <i>en pieds</i> )		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
			Mafic fragments within flows banding and tuff layering.							
			EOH 52m							

\*For features such as foliation, bedding, schistosly, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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**Journal de forage**

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Hole ID / Forage n° PM-08-95 (GS-06)		Claim No. / N° de concession minière SSM1192671		Township/Area / Canton JOUBIN	
Name of Land Holder / No. de Pelc Mountain Resources		Azimuth - °	Dip / Inclinaison -90 °	End of Hole (m) / fin de forage (m) 82m	Overburden Depth / profondeur des morts- terrains 26.5m
Drilling Company / Compagnie de forage M.G. Drilling Inc.		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 368m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mmm/jj)	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mmm/jj)	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mmm/jj)	Location of Core Storage / Endroit où la carotte est stockée ElliotLakc. On.		
2008-05-17	2008-05-17	2008-05-18			

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u>
Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée:	Longitude:
Easting / Abscisse:	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'e hantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	26.5	Casing	Granite rubble, gravel and some granite boulders.							
26.5	33.45	Metavolcanics	Massive basalt - Tholeiitic, to andesite. Chlorite schist in part or just mildly sheared. Fine grain medium green. Occasional quartz veinlet.							
33.45	44.64	Metavolcanic Intermediate	Fine grain, buff to grey flows and tuff breccia. Very hard cherty section.							
44.64	48.50	Metavolcanics	Andesite with grey medium grain porphyritic appearance. Quartz veining and much carbonate in groundmass.							
48.50	82.0	Metavolcanics	Flows - Andesite interlayered with tuff breccia. Quartz veining and carbonate stringers. Some porphyritic sections. Minor disseminated pyrite. Occasional pyrite stringer @ 70 and 76 m. EOH 82m							

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

"Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)"  
"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"



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Hole ID / Forage n° PM-08-96 (GS-08)		Claim No. / N° de concession minière SSM4215305		Township/Area / Canton JOUBIN	
Name of Land Holder / No. de Pc/c Mountain Resources		Azimuth - °	Dip / Inclinaison -90 °	End of Hole (m) / fin de forage (m) 52m	Overburden Depth / profondeur des morts- terralins 1.0m
Drilling Company / Compagnie de forage M.G. Drilling Inc.		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 353m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-05-18	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-05-18	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-05-19	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, On.		

### DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE

UTM / MTU

Datum:  NAD 27  NAD 83  
Zone:  15  16  17  18  
Northing / Ordonnée:  
Easting / Abscisse:

Latitude / Longitude

degrees/minutes/seconds or decimal values  
degrés/minutes/secondes ou valeurs décimales

Datum:  NAD 27  NAD 83  
Latitude:  
Longitude:

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	1.0m	Casing	Granite and quartzite rubble and some mafic cobbles to 12cm.							
1.0	52.0	Metavolcanics	Very fine grain massive tholeiitic basalt with occasional andesite flow. Medium to dark green.							
		Mafic	1.0 to 1.5 - irregular contact - Quartz vein breccia with fine grain basalt			01904	1.0	1.5	0.50 m	
			1.5 to 2.1 - fine grain basalt mixed with quartz			01905	1.5	2.1	0.60 m	
			2.1 to 2.37 - Quartz breccia - 80 % bull quartz			01906	2.1	2.37	0.27 m	
			2.37 to 2.97 - As above			01907	2.37	2.97	0.60 m	
			2.97 to 3.57 - Massive basalt			01908	2.97	3.57	0.60 m	
			14.66 to 14.83 - basalt			01909	14.66	14.83	0.17 m	
			14.83 to 15.65 - Quartz breccia with green mafic shards			01910	14.83	15.65	0.82 m	
			15.65 to 16.0 - Quartz breccia			01911	15.65	16.0	0.35 m	

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

\*Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)

\*Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)





**Drill Log**  
**Journal de forage**

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
			16.0 to 17.0 - Quartz breccia			01912	16.0	17.0	1.00 m		
			17.0 to 18.04 - Quartz breccia			01913	17.0	18.04	1.04 m		
			18.04 to 18.5 - Basalt			01914	18.04	18.50	0.46 m		
			19.4 to 19.82 - Quartz breccia and veining			01915	19.4	19.82	0.42 m		
			19.82 to 20.3 - Bull quartz			01916	19.82	20.3	0.48 m		
			20.3 to 21.14 - Quartz breccia			01917	20.3	21.14	0.84 m		
			21.14 to 21.85 - Basalt with quartz veinlets			01918	21.14	21.85	0.71 m		
			21.85 to 22.5 - Bull quartz			01919	21.85	22.5	0.65 m		
			23.3 to 23.75 - Broken quartz breccia - light green to grey with minor pyrite.			01920	23.3	23.75	0.45 m		
			Sharp contact with basalt.								
			23.75 to 25.0 - Broken quartz breccia			01921	23.75	25.0	1.25 m		
			25.0 to 25.84 - Quartz breccia - 50% mafic shards within			01922	25.0	25.84	0.84 m		
			25.84 to 26.9 - Quartz breccia - 20% mafic material. Disseminate pyrite			01923	25.84	26.9	1.06 m		
			26.9 to 27.5 - Quartz breccia. Crushed contact.			01924	26.9	27.5	0.60 m		
			27.5 to 28.3 - Light green to buff, fine grain mudstone with carbonate veilers.			01925	27.5	28.3	0.80 m		
			Altered contact to lime green. No visible min.								
						Blank					
			11.0 to 12.0 - flow top breccia and lapilli tuff.			Std. DL-1a	01932				
			13.9 to 17.8 - Bull quartzvein breccia 20deg to LCA. Greenstone mixed in groundmass with minor pyrite.								
			19.5 to 22.3 - Quartz stock work and bull quartz veining with greenstone.								
			24.8 to 27.1 - Broken intermediate metavolcanics and quartz vein breccia, altered on flanks. Minor pyrite.								

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

"Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)"

"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"





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## Drill Log Journal de forage

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Hole ID / Forage n° PM-08-97 (GS-04)	Claim No. / N° de concession minière SSM1192671	Township/Area / Canton JOUBIN
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Name of Land Holder / No, de Pele Mountain Resources	Azimuth - °	Dip / Inclinaison -90 °	End of Hole (m) / fin de forage (m) 52m	Overburden Depth / profondeur des morts- terrains 0.5m
Drilling Company / Compagnie de forage M.G.Drilling Inc.	Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 365m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-05-18	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-05-19	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-05-20	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake. On.	

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE		
UTM / MTU	Latitude / Longitude	
	degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales	
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83	
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:	
Northing / Ordonnée:	Longitude:	
Easting / Abscisse:		

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'e hantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	0.5	Casing	Gravel							
0.5	52.0	Metavolcanics	Layered tuff breccia and wacke with some lapilli tuff sections. Light green to light grey. Fine grain. Much of the core is finely layered. Minor tiny amygdule. Possibly silicified andesite - porphyritic with quartz or plagioclase clasts. Foliated and swirly look. Quartz/carbonate veinlets. Some carbonate in ground-mass.							
			37.0 to 52 - Few narrow mafic flows that are soft and chloritic.							
			37.8 to 38.05 - mafic flows with minor pyrite stringers.							
			Flow planes are 30 to 40 deg to LCA.							
			This area could be Thessalon volcanics							
			EOH 52m							

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"



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Hole ID / Forage n° PM-08-98 (LR-03)		Claim No. / N° de concession minière SSM1192671		Township/Area / Canton JOUBIN	
Name of Land Holder / No. de Pele Mountain Resources		Azimuth 180 °	Dip / Inclinaison -60 °	End of Hole (m) / fin de forage (m) 151m	Overburden Depth / profondeur des morts- terrains 1.0m
Drilling Company / Compagnie de forage M.G. Drilling Inc.		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 365
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-05-19	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-05-20	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-05-24	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, On.		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée:	Longitude:
Easting / Abscisse:	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
							From/De	To/À		
0.0	1.0	Casing	7 cm quartzite cobbles, 2cm granite rubble and 8 cm gravel.							
1.0	34.68	Metavolcanics	Fine to medium grain, light grey to intermediate. Banded tuff and massive tuff beds with occasional fragmented bull quartz vein. Quartz oriented with layering. Numerous carbonate veinlets some x-cutting the normal planes. Some sections are softer to scratch. Medium green colour in some sections - possible chloritic The first 4m of core is mildly sheared and foliated in part. This is indicative of Huronian volcanics (Thessalon formation).							
34.68	34.72	Mud slip	70deg to LCA. Very fine grain black groundmass. Fine disseminated pyrite. Sheared and chippy with some soft component. Some carbonate.							
34.72	48.0	Metavolcanics	Very fine grain medium grey to light green. Much fine banding with some minor foliation. Interbedded carbonate veining. Flow features 60 to 70 deg to LCA.							

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"

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Journal de forage

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
48.0	53.9	Mafic Intrusive	Fine grain dark matrix with plagioclase phenocrysts to 1mm. Diabase texture. Few quartz/carbonate veinlets. Not magnetic. Does not appear to have any mineralization. Irregular contacts @ 60 to 70deg to LCA.							
53.9	59.0	Metavolcanics								
59.0	60.4	Metavolcanics	Light green to grey. Fine grain. Layered and banded. Interbedded tuff. Minor pyrite stringers in some layers. <1%. Occasional carbonate veinlet.			02018	59.0	60.4	1.40 m	
60.4	60.6	Metavolcanics	Very fine layered pyrite and dark volcanics. ~ 60 to 70% pyrite stringers. Minor pyrrhotite and chalcopyrite. <1%. Scattered 1mm plagioclase phenocrysts.			02019	60.4	60.6	0.20 m	
60.6	61.78	Metavolcanics	Light grey to green, layered tuffs and tuff breccia. Few pyrite stringers.			02020	60.6	61.78	1.18 m	
61.78	63.25	Metavolcanics	As above			02021	61.78	63.65	1.87 m	
63.25	64.55	Metavolcanics	As above			02022	63.65	64.55	0.90 m	
64.55	65.34	Metavolcanics	Mafic fine grain flow. Banded in part with sharp contacts @ 70deg to LCA. Some minor foliation and pyrite streaking.			02023	64.55	65.34	0.80 m	
65.34	71.1	Metavolcanics	Medium to dark grey/green, fairly massive in appearance. Fine grain. Few carbonate stringers.							
71.1	72.4	Metavolcanics	Fine banded, light green to grey with carbonate veinlets. Some massive pyrrhotite blebs. Banded tuff in part.			02024	71.1	72.4	1.30 m	
72.4	82.2	Metavolcanics	Layered tuff with quartz/carbonate veining. Fine grain with some pyrite streaks.							
82.4	87.0	Mafic Meta- Volcanics	Fine grain darker green to black. Less banding. Few more brecciated quartz veins 86.4 - Carbonate veinlet, very soft with epidote alteration - lime green colour. Tholeiitic 20deg to LCA.							
		Basalt	Much carbonate in groundmass - scratches producing white powder, soapy feel.							
87.0	90.8	Metavolcanics	As above.							

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Journal de forage

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ~ / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
90.8	91.2	Mafic Intrusive	Soft, very carbonated, with coarse mafic phenocrysts. Brownish tinge. Talcy feel. White powder when scratched. Odd "geometric" contacts. No min.			02025	90.8	91.2	0.40 m	
91.2	101.6	Mafic Meta- volcanics	Fine grain mafic. Minor layering with some flow top breccia. Shards of host rock and lighter material including quartz. Fairly massive appearance.							
101.6	107.8	Intermediate Metavolcanics Tholeiitic Basalt	Light to medium green to grey. Occasional quartz/carbonate veinlet. Some altered to lime green colour. Some very granular massive sections with light grey to lime green colour. Little carbonate. Occasional blochy amygdale or bloch of greenish feldspar. Overall probably an andesite.							
107.8	108.4	Metavolcanics	Medium grain with lime green clasts and carbonate.			01926	107.8	108.4	0.60 m	
108.4	108.6	Quartz Breccia	Bull quartz with some massive pyrite as blebs in vuggs. Minor pyrrhotite.			01927	108.4	108.6	0.20 m	
108.6	109.0	Metavolcanics	Medium grain with lime green blotches and amygdales. Tholeiitic basalt.			01928	108.6	109.0	0.40 m	
109.0	116.3	Metavolcanics	As 101.6 to 107.8							
116.3	116.5	Bull quartz	Massive							
116.5	134.24	Metavolcanics	As 101.6 to 107.8							
134.24	151.0	Mafic Meta- vcanics	Fine grain, dark green to black - fairly massive looking. Some flow banding and some brecciated quartz veining.							
			EOH 151m			Blank Std. DL-1a	01933 01944			

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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## Drill Log Journal de forage

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Hole ID / Forage n°	Claim No. / N° de concession minière	Township/Area / Canton
PM-08-99	SSM3009474	JOUBIN

Name of Land Holder / No, de Pele Mountain Resources	Azimuth 180 °	Dip / Inclinaison -85 °	End of Hole (m) / fin de forage (m) 225	Overburden Depth / profondeur des morts- terrains 10m
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Drilling Company / Compagnie de forage M. G. Drilling Inc.	Logged by (print) / Inscrit par (écrite en lettres moulées) Patrick Enright	Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 352m
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Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mmm/jj)	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mmm/jj)	Date Logged (yyyy/mm/dd) / Date d'inscription au Journal (aaaa/mmm/jj)	Location of Core Storage / Endroit où la carotte est stockée
2008-03-10	2008-03-13	2008-03-13	Elliot Lake. ON.

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5138548	Longitude:
Easting / Abscisse: 3823351	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'e hantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	10.0	Casing	Mix of pink granite, grey quartzite, argillite and diabase rubble.							
10.0	100.75	Argillite	Very fine grain, dark grey to black. Fine dark bedding planes and layering in							
		Greywacke	part. 75 to 80deg to LCA. Odd calcite clast. Good quality core especially at top							
		McKim Frm.	Occasional fine grain greywacke section near bottom with white clasts.							
			"Chippy" ground from 75m to 77m. Occasional bull quartz. Core typically medium soft especially in the argillite.							
100.75	101.33	Ramsay Lake	Poorly developed RLC interbedded with greywacke. Pea-sized white clasts and							
		Conglomerate.	occasional grey granite pebble to 2cm.							
101.31	101.93	Argillite	Very fine grain dark grey to black. Couple PBQZ beds 2 to 3cm wide.							
101.93	103.85	Quartzite	Medium grain, massive grey quartzite. Disseminated pyrite <1%. Occasional							
		Stinson	pea-sized quartz clast.							

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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Développement du Nord  
et des Mines

## Drill Log Journal de forage

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
103.85	104.77	Quartzite	Medium to coarse grain, medium grey quartzite. Numerous dark pyritic bands with minor disseminated pyrite layed down in narrow beds with smokey quartz grains. Occasional brownish staining, in groundmass separate from the dark banding. Scint. reads 500 to 600 cps.			01661	103.85	104.77	0.92m		
104.77	105.16	Quartzite	As above but the quartzite is slightly lighter grey.			01662	104.77	105.16	0.39m		
105.16	106.42	Quartzite	Light grey coarse grain. Very minor dark banding. Occasional brownish stained sections.								
106.42	107.07	Quartzite	As 103.85 to 104.77			01663	106.42	107.07	0.65m		
107.07	107.57	Quartzite	Coarse grain, grey. Numerous narrow pyritic dark bands. <1% pyrite overall.			01664	107.04	107.57	0.50m		
107.57	109.38	Quartzite	Coarse grain, light grey. Disseminated pyrite with minor dark banding.								
109.38	109.78	Quartzite	As 107.57 to 109.38			01665	109.38	109.78	0.40m		
109.78	110.32	Quartzite	Coarse grain, light grey quartzite. Dark pyritic banding. Occasional brownish gritty section.			01666	109.78	110.32	0.54m		
110.32	110.97	Quartzite	As above with heavier pyritic banding.			01667	110.32	110.97	0.65m		
110.97	111.50	Quartzite	As above . Slight increase in pyritic banding.			01668	110.97	111.50	0.53m		
111.50	112.0	Quartzite	Coarse grey quartzite with pyritic dark banding.			01669	111.50	112.00	0.50m		
112.0	112.56	Quartzite	Dirty grey quartzite. Heavy pyritic banding.			01670	112.0	112.56	0.56m		
112.56	113.20	Quartzite	Grey quartzite . Coarse grain with less pyritic dark banding.			01671	112.56	113.20	0.64m		
113.2	113.88	Quartzite	As 112.56 to 113.20			01672	113.20	113.88	0.68m		
113.88	114.70	Quartzite	As above with less pyritic banding.			01673	113.88	114.70	0.82m		
114.70	115.00	Quartzite	As above			01674	114.30	115.0	0.30m		
115.0	115.57	Quartzite	As above - weak pyritic banding.			01675	115.00	115.57	0.57m		
						Blank	01676				
						Std. DI-1a	01677				

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115.57	116.20	Quartzite	As above with gradational decrease in pyritic dark banding.							
116.20	118.0	Quartzite	Coarse grain, light grey. Occasional gritty brownish stained section.							
118.0	125.13	Quartzite	Medium to coarse, light grey. Occasional dark band and pea-sized quartz pebble.							
125.13	126.0	PBQZ	Coarse, grey PBQZ to QPC. Occasional 1cm white quartz pebble. Trace pyrite.							
			Clean contact with mafic sill.							
126.0	126.9	Lamprophyre	Medium grain, dark green mafic sill. Scratches white. Much calcite in matrix.							
			Magnetic with pyrrhotite. Tiny mica-like flakes.							
126.9	133.7	PBQZ- QPC	Light grey to white coarse grain. 10 to 20 % pebble content with some pebbles to 4cm. Barren. Unusual, very white looking QPC in the middle Stinson member.							
133.7	166.0	Quartzite	Light grey, coarse grain. Occasional white quartz clast. Couple of high < fract. @ 155, 156m - 10deg to LCA. Broken ground.							
166.0	179.80	Quartzite	Medium to coarse grain, light grey and grading into darker grey to bottom. More massive looking to bottom.							
179.80	209.08	Quartzite	Fine to medium grain, grey quartzite. Sections of laminated quartzite and							
		Lower Stinson	siltstone beds @ 80deg to LCA.							
			198.6 - 20deg to LCA - fracture, tight, partial bull quartz, broken below.							
			195 to 197.3 - fine grain buff siltstone.							
			Massive grey quartzite to bottom with occasional mafic clast.							
209.08	221.90	Quartzite	Medium to coarse grain, green arkosic. Occasional pea-sized white quartz clast.							
		Ryan Member	Occasional mineralized dark band.							
			211.4 to 211.6 - Lamprophyre sill.							
			218.2 to 218.36 - Lamprophyre sill, much calcite in matrix. Soft to scratch. Tin mafic clasts - angular.							
221.90	265.0	Quartzite	Typical green, medium to coarse grain arkosic quartzite. Occasional white quartz							

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From/De	To/À						From/De	To/À		
			clast. Numerous narrow dark bands with smokey quartz grains and trace pyrite.							
			228.8 to 229.0 - Lamprophyre sill, dark green to black. Medium grain, carbonate							
			240.1 - 2cm mafic sill							
			250.0 to 254.0 - coarse PBQZ section.							
265.0	279.15	Quartzite	Slightly darker green arkosic quartzite. Increase in PBQZ and gritt sections. Flaoter beds and dark banding - 2-3cm. Larger pebbles to 1cm.							
			268.8 to 270.0 - Coarse PBQZ section (300 - 400cps)							
279.15	281.17	Quartzite	Coarse grain, darker green to grey arkosic quartzite. Gritt sections and couple fine grain beds. Noticeable darker appearance. Trace pyrite. Few cherty, pea- sized clasts. Sericitic alteration in groundmass. Bedding @ 85deg to LCA.							
281.17	281.57	Quartzite	Coarse, gritty grey quartzite to greywacke. Barren.							
281.57	282.34	Quartzite	Medium grain, dark grey. Smokey quartz grains. Minor chloritic contamination in groundmass cement. Couple of 1 to 2cm bull quartz veins.							
282.34	285.0	Huronian Volcanics	Very fine grain, dark green to black. Unconformable contact @ 55deg to LCA. Clean - sharp contact. Very dense basalt with two quartz/ carbonate veins to 5cm. (55deg). Soft to scratch - chloritic.							
285.0	287.4	Volcanics	Fine grain dark green to black. Occasional quartz/carbonate vein. The core is broken and blocky. Not magnetic. No carbonate in groundmass.							
287.4	289.2	Vocanics	As above but not broken. Dense basalt.							
289.2	325.0	Volcanics	Fine grain, dark green to black.. Deformation increasing. Weakly schistose with albite alteration. Carbonate in most of groundmass. 289.4 to 307.0. Magnetic from 290.8 to 325.0. 292.35 to 293.0 - bull quartz. Looking like meta- sediments to bottom with grain showing. Medium soft - chloritic. (white residue) EOH 325.0m							

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Drill Log / Journal de forage

Under section 8 of the Mining Act, this information is used to maintain a public record. / Aux termes de l'article 8 de la Loi sur les mines, ces renseignements serviront à tenir à jour les dossiers publics.

Table with 3 columns: Hole ID / Forage n°, Claim No. / N° de concession minière, Township/Area / Canton

Table with 5 columns: Name of Land Holder / No. de Percé Mountain Resources, Azimuth, Dip / Inclinaison, End of Hole (m) / fin de forage (m), Overburden Depth / profondeur des morts-terrains

Table with 4 columns: Drilling Company / Compagnie de forage, Logged by / Inscrit par, Core Size / Dimensions de la carotte, Collar Elevation / Élévation du collier

Table with 4 columns: Date Hole Started / Date de commencement du forage, Date Completed / Date d'achèvement, Date Logged / Date d'inscription au journal, Location of Core Storage / Endroit où la carotte est stockée

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE. Includes UTM/MTU and Latitude/Longitude sections with checkboxes for datum and zone.

Main log table with columns: Footage/Avancement, Rock type / type de roche, Description, Planar Feature Angle, Core Specimen Footage, Your Sample No., Sample Footage / Niveau de prélèvement de l'échantillon, Sample Length / Longueur de l'échantillon, Assays / Analyses minéralurgiques.

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From/De	To/À						From/De	To/À		
0.0	6.5	Casing	Mix of pink granite, greywacke, grey quartzite, argillite and bull quartz rubble							
6.5	7.4	Argillite	Argillite, greywacke mix. Fractured and broken core. Some oxidation with high angle fracturing. - 20deg to LCA.							
7.4	94.28	Argillite McKim Frm.	Interbedded argillite and fine to medium grain greywacke quartzite. Layered and bedded. The argillite is soft. Quartzite is very hard. 26.74 to 26.96 - Lamprophyre sill. Much carbonate(calcite) material in matrix. Fine grain dark grey to black. Soft 71.0 to 77.0 - blocky core. 71.6 to 71.8 - broken with bull quartz mix with argillite and grey quartzite. 85.76 to 86.0 - Bull quartz. 86.0 to 94.28 - tough grey very fine grain quartzite.							
94.28	95.1	PBQZ Ramsay Lake	Poorly developed conglomerate of coarse granitic looking very dark grey greywacke. Occasional granite pebble/clast to 2cm.							
95.1	99.8	Quartzite	Coarse dark grey granitic looking quartzite or greywacke. Very hard. No distinct pebbles. Light grey to white groundmass and very consolidated - little cement and no distinct grains.							
99.8	100.1	Quartzite	Coarse grain, dark grey. Barren.							
100.1	106.0	Argillite	Very fine grain, dark green to dark grey. Soft. Unconformable contact with quartzite. 70deg to LCA. Argillite grades into quartzite at bottom and finishes with a 1cm gritt bed.							
106.0	118.0	Quartzite Stinson Mbr.	Coarse grain, light grey to white quartzite. Occasional white quartz clast to 1cm Numerous pyritic, dark bands. Pyrite appears to be detrital and disseminated. <1%. Dark appearance from smokey quartz grains. No dark minerals present. 107.65 to 112.6 - Best pyritic banding. ~ 4.95m - minor pyrite. 400 to 700 cps Good quality core. Feldspathic grey quartzite.							

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From/De	To/À						From/De	To/À		
			107.65 to 108.06 - Quartzite - Medium grain, light grey. Faint dark banding			01698	107.65	108.06	0.41m	
			108.06 to 108.51 - Quartzite - As above. Heavier pyritic banding. <1% pyrite			01699	108.06	108.51	0.45m	
			108.51 to 109.08 - Medium to coarse, grey. Faint dark banding.			01700	108.51	109.08	0.57m	
			109.08 to 109.78 - Medium grain, light grey. Few dark bands.			01701	109.08	109.78	0.70m	
			109.78 to 110.16 - As 109.08 to 109.78			01702	109.78	110.16	0.38m	
			110.16 to 110.33 - Medium grain. Best pyritic banding 600 to 700 cps			01703	110.16	110.33	0.17m	
			110.33 to 111.0 - Quartzite - Medium grain. Few pea-sized pebbles and few dark bands. <1% pyrite.			01704	110.33	111.0	0.67m	
			111.0 to 111.58 - Quartzite - Few dark bands <1% pyrite. 400 to 500 cps			01705	111.0	111.58	0.58m	
			111.58 to 112.28 - Quartzite - Medium grain with few quartz clasts. Weak bands			01706	111.58	112.28	0.70m	
			112.28 to 112.28 - Quartzite - As above.			01707	112.28	112.64	0.36m	
118.0	119.0	Lamprophyre	Medium grain with disseminated pyrite/chalcopyrite/pyrrhotite. Much calcite in groundmass. Soft. Conforms to bedding planes.							
119.0	153.5	Quartzite	Coarse grain to PBQZ. Light grey to white. Minor sericitic alteration. Very minor faint bedding planes. Occasional white quartz clast and pebble. Some sections of weak QPC. Barren.							
153.5	173.4	Quartzite	Medium to coarse grain, grey. Occasional 1cm white quartz pebble. Faint dark banding with minor disseminated pyrite. Bedding 75 to 80deg to LCA.							
173.0	181.03	Quartzite	Medium grain, grey quartzite. Begin to see fine layering of siltstone and quartzite. Buff sections. Pyrite disseminated in the banding. Faint radioactivit							
181.03	194.0	Quartzite	Fine to medium grain, layered buff coloured siltstone and light pink quartzite. Occasional tiny white quartz clast. One 6cm bull quartz vein. Bedding 85 deg to LCA.							

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194.0	205.17	Quartzite	Coarse grain, grey quartzite. 195.46 to 196.62 - QPC. Loosely packed. White quartz pebbles to 10%. White quartz grains in groundmass. 196.62 to 205.19 - Grey quartzite, banded. Narrow dark bands with detrital pyrite. Occasional quartz clast. Lower contact is sharp @ 85deg to LCA. Faint radioactivity.							
205.17	232.16	Quartzite Ryan Mbr.	Typical medium to coarse grain, green arkosic quartzite. Numerous narrow dark bands of smokey quartz grains and faint disseminated pyrite. Occasional quartz clast. 214.13 to 214.7 - Siltstone bed with brecciated quartz at the lower contact. Few finer grain sections with trace pyrite.							
232.16	253.62	Quartzite	Medium to coarse grain, gritty green arkosic quartzite. Mostly gritt beds and a few poorly sorted PBQZ beds. 234.48 to 234.7 - Lamprophyre sill 242.36 to 242.43 - As above 252.66 to 252.90 - As above 253.12 to 253.17 - As above Couple bull quartz veins - 5 to 6cm wide.							
253.62	262.54	Quartzite	Medium to coarse grain green arkosic quartzite. 257.6 to 262.54 - PBQZ with occasional smokey quartz pebble to 1cm. <1% pyrite. Few dark bands. Bedding @ 85deg to LCA.							
262.54	265.60	Lamprophyre Dyke	Fine to medium grain dark green to black. Tiny white calcite clasts. Soft. 10 to 15deg to LCA.							

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265.60	273.70	Quartzite	Medium grain, green arkosic quartzite. Occasional fine grain section. Occasional quartz pebble to 1cm. Few dark bands.							
273.70	296.0	Quartzite	Medium to coarse grain, green arkosic. Increase in floater beds. Occasional white quartz clast to 1cm							
			279.1 to 280 - PBQZ - 10% pebble content. <1% pyrite							
			285.3 to 285.5 - PBQZ. <1% pyrite							
			292.1 to 292.4 - PBQZ <1% pyrite							
			293.24 to 295.0 - PBQZ beds 10 to 20 cm							
296.0	296.47	Quartzite	Medium to coarse grain, green arkosic. Occasional smokey quartz pebble to 1cm							
			Smokey quartz grains in matrix. <1% pyrite.							
296.47	296.92	Quartzite	Coarse, green arkosic. <1% pyrite.			01708	296.47	296.92	0.45m	
296.92	297.31	PBQZ	Three 6cm QPC beds with 2% pyrite.			01709	296.92	297.31	0.39m	
297.31	297.66	Quartzite	Medium grain, light green. Couple of dark pyritic bands.			01710	297.31	297.66	0.35m	
297.66	297.95	PBQZ	Coarse grain, green arkosic quartzite. One 2cm PBQZ bed. <1% pyrite.			01711	297.66	297.95	0.29m	
297.95	296.37	Quartzite	Medium to coarse grain, green arkosic. Barren.			01712	297.95	298.37	0.42m	
						Blank				
						Std. DL-1a				
298.37	298.59	QPC	Loosely packed with 15% quartz pebbles to 0.5cm. <1% pyrite.			01715	298.37	298.59	0.22m	
298.59	298.86	Quartzite	Medium to coarse grain. Few weak narrow smokey bands of quartz grains.			01716	298.59	298.86	0.27m	
298.86	299.04	PBQZ	Few 1cm quartz pebbles and some detrital pyrite. <1%. Good quality core.			01717	298.86	299.04	0.18m	
299.04	299.20	QPC	Loosely packed. 20% pebbles to 1cm. Elongated shards - buff colour. Smokey			01718	299.04	299.20	0.16m	
		HW Main	quartz grains in groundmass. <1% pyrite.							
299.20	299.28	Quartzite	Medium grain, green. <1% pyrite.			01719	299.20	299.28	0.08m	
299.28	299.35	QPC	Well packed pebbles to 1cm. 5% pyrite.			01720	299.28	299.35	0.07m	

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pièds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pièds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
299.35	299.43	Quartzite	Medium grain, green. <1% pyrite.			01721	299.35	299.43	0.08m	
299.43	299.53	QPC	Medium packed smokey quartz pebbles to 1cm. Light green sericitic cement. <1% Pyrite.			01722	299.43	299.53	0.10m	
299.53	299.63	QPC	Loosely packed. Light green cement. <1% pyrite.			01723	299.53	299.63	0.10m	
299.63	299.83	QPC	Medium packed pebbles to 2cm. Elongated chert and smokey quartz. Light green cement. <1% pyrite.			01724	299.63	299.83	0.20m	
299.83	299.99	QPC	Well packed. Fine disseminated pyrite to 5%. Pebbles to 1.5cm. White and smokey quartz pebbles. Light green cement.			01725	299.83	299.99	0.16m	
299.99	300.27	QPC	Medium packed. 40% pebble content. Pebbles 2 to 3cm. Occasional mafic and chert clasts. 1% pyrite. Light green cement.		Duplicate	01727	299.99	300.27	0.28m	
300.27	300.45	QPC	Medium packed. Couple white quartz, elongated pebbles to 5cm. Occasional chert pebble. Light cement. <1% pyrite.			01728	300.27	300.45	0.18m	
300.45	300.60	QPC	Loosely packed. Pebbles to 2cm. 1% pyrite. Smokey grains. Light cement.			01729	300.45	300.60	0.15m	
300.60	300.90	QPC	Loosely packed. One white quartz pebble to 3cm. Some pebbles elongated. <1% pyrite. Couple of pyritic bands. Cement darker green.			01730	300.60	300.90	0.30m	
300.90	301.05	PBQZ	Coarse grain, green arkosic. Occasional 1cm quartz pebble. <1% pyrite.			01731	300.90	301.05	0.15m	
301.05	301.40	PBQZ	Couple QPC bands top and bottom of section. 6-8cm wide. Smokey pebbles. 2% pyrite.			01732	301.05	301.40	0.35m	
301.40	301.53	Quartzite	Coarse grain with occasional quartz pebble. <1% pyrite.			01733	301.40	301.53	0.13m	
301.53	301.77	QPC	Medium packed smokey quartz pebbles to 2cm. Heavy pyrite detrital and buckshot. to 30%.			01734	301.53	301.77	0.24m	
301.77	301.96	PBQZ	Coarse darker green PBQZ. 10% quartz pebbles to 1cm. 5% pyrite.			01735	301.77	301.96	0.19m	
301.96	302.10	QPC	Few 1-3cm quartz pebbles in whti elongated buff-chert shards and 30 to 40 detrital pyrite. Drillers tag @ 302			01736	301.96	302.10	0.14m	

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From/De	To/À						From/De	To/À			
302.10	302.38	QPC	Loosely packed pebbles to 3cm. Mafic/chert and white quartz in smokey quartz			01737	302.10	302.38	0.28m		
		FW Main	grains. <1% pyrite. Few pyritic bands at bottom. Sharp FW contact @ 85deg to								
			LCA								
302.38	302.72	Quartzite	Medium grain. Barren. Light green quartzite. Fine layering with gritty sections.			01738	302.38	302.72	0.34m		
302.72	303.53	Quartzite	Medium grain massive and barren green quartzite.			01739	302.72	303.53	0.81m		
303.53	311.0	Quartzite	Medium grain to fine grain @ bottom. Green - barren. Couple of dark bands.								
			Occasional quartz clast rare. Good core. Slightly darker to bottom.								
311.0	312.75	Quartzite	Medium grain massive barren darker green quartzite.								
312.75	312.75	Lost H2O	Driller report - lost water pressure. Good quality core.								
312.75	313.70	Metasediments	Fine to medium grain dark green massive quartzite or greywacke. Hard. Chloritic								
313.70	314.63	Volcanics	Very fine grain dark green to black. Soft- chloritic. Couple of lighter green								
		Archean	flows or shards. Minor albite alteration. Feldspathic alteration in part with								
		Fault	orange coloured fine grain clasts. K-feldspar.								
			Vuggy section with calcite. and quartz crystals. 314.2 to 314.30 - fault breccia								
314.63	323.0	Volcanics	Very fine grain dark green to black. Couple sections of albite/ feldspar								
		Archean	alteration. Soft with white residue. Increase in quartz/carbonate veining. Faint								
			amygdales and calcite clasts.			Blank					
						Std. DL-1a					
			EOH 323m								

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Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

## Drill Log Journal de forage

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Under section 8 of the Mining Act, this information is used to maintain a public record. / Aux termes de l'article 8 de la Loi sur les mines, ces renseignements serviront à tenir à jour les dossiers publics.

Hole ID / Forage n° PM-08-101		Claim No. / N° de concession minière SSM3009474		Township/Area / Canton JOUBIN	
Name of Land Holder / No, de Pele Mountain Resources		Azimuth 225 °	Dip / Inclinaison -85 °	End of Hole (m) / fin de forage (m) 332	Overburden Depth / profondeur des morts- terrains 2.5m
Drilling Company / Compagnie de forage M.G. Drilling Inc.		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 355m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-03-17	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-03-20	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-03-20	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, On.		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>  Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83 Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18 Northing / Ordonnée: 5138541 Easting / Abscisse: 382081	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83 Latitude: Longitude:

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	2.5	Casing	Mix of diabase, grey granite core and rubble, some with carbonate and magnetic.							
2.5	12.0	Argillite	Dark grey, siliceous, fine grain. Mix of quartzite and argillite beds. Quartzite							
		McKim Frm.	very hard and the argillite is soft. Good quality core.							
12.0	14.0	Argillite	Very fine grain, dark grey to black. "chippy" and broken for the most part.							
14.0	47.82	Argillite	Very fine grain, dark grey to black argillite interbedded with fine grain dark grey quartzite or greywacke. Fairly massive.							
47.82	48.20	Lamprophyre	Medium grain, soft sill. Carbonate in groundmass.							
48.20	93.0	Argillite	Very fine grain, interbedded argillite and dark grey siliceous quartzite.							
			Occasional quartz vein. Mostly massive.							
93.0	99.0	Argillite	Fine grain interbedded. Dark grey argillite is foliated in part with siliceous dark grey quartzite/greywacke.							

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From/De	To/À						From/De	To/À			
			92.18 - 12cm brownish, medium grain lamprophyre sill. Carbonate and biotite - hornblende clasts. Schistose looking. 0.50m bull quartz vein 50deg to LCA.								
99.0	105.26	Argillite	Minor argillite bedding in medium grain greywacke. 99.0 to 105.5 - very fine grain dark grey. Occasional granite cobble to 4cm. 25cm section of carbonate, brownish grit. 4cm mafic sill expands to 25cm downdip.								
105.26	109.55	Greywacke	Medium grain with occasional quartz clast rimed with pyrite. Faint white carbonate areas, some looking like large cobbles while others are layered and slightly foliated.								
109.55	118.04	Quartzite	Fine grain dark grey quartzite. Occasional argillite bed. Occasional very fine grain marble looking section to bottom. Altered quartzite.								
118.04	119.04	Lamprophyre	Medium grain dark grey sill. Mafic (hornblende/biotite) clasts in groundmass. Faint blue tinge to some of the grains. Much carbonate. Soft. Not magnetic. 75 to 80 deg to LCA.								
119.04	119.48	Greywacke	Medium to coarse grain. 5cm coarse section at bottom - dark grey.								
119.48	122.0	Siltstone	Very fine grain, light to medium green. Fairly soft with white residue. Massive. 80deg to LCA.								
122.0	130.0	Quartzite	Coarse grain with occasional pea-sized quartz pebbles. Occasional pyritic dark band - narrow, ie. stringer like. Occasional bull quartz vein. 7 or 8 pyritic bands 1 to 2cm wide. Some minor sericitic alteration. (400 to 450 cps.)								
130.0	138.8	Quartzite	Medium to coarse grain barren. Light grey with minor sericitic alteration.								
138.8	147.0	Quartzite	Coarse grain to PBQZ. Occasional QPC section of white quartz pebbles to 3cm. White to light grey groundmass of quartz grains. Occasional smokey pebble. Barren.								

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From/De	To/À						From/De	To/À		
147.0	193.24	Quartzite	Medium grain, light grey to white with minor sericitic alteration. Occasional PBQZ section with 1cm pebbles of quartz. Occasional mafic clast or shard. Occasional minor dark banding. Narrow with trace pyrite. Note: Drillers tags were mixed up @ 189m. They had two 192 tags and one of them was at 189m. From here on we have added 3m to the hole.							
193.24	200.48	Quartzite	Fine grain, laminated siltstone and quartzite. Pinkish hue to buff. Fine, dark very closely spaced banding with trace disseminated pyrite. Sharp lower contact 80deg to LCA.							
200.48	211.83	Quartzite	Medium to coarse grain, white to grey quartzite. Minor sericitic alteration. Occasional 3cm quartz clast or pebble - rounded. Also elongated, gritty clasts to 6cm. 205.57 to 205.85 - PBQZ to QPC with 10% quartz pebbles in coarse smokey barren matrix. 207.7 to 208.5 - QPC. White quartz pebbles to 5cm. Angular and rounded. Barren Green sericitic matrix. Lower part is a coarse white to grey quartzite with occasional mafic clast.							
211.83	228.0	Quartzite Ryan Mbr.	Medium to coarse grain, green arkosic quartzite. Contact @ 75 to 80deg to LCA. Sharp contact with dark lining. Numerous narrow dark bands. Very faint disseminated pyrite. Note that the banding is made up of smokey quartz grains and does not have any sericitic alteration associated with these bands.							
228.0	228.48	Siltstone	Very fine grain light green. Soft. Couple of quartz veins 1 to 4cm wide. One vein is vuggy.							
228.48	238.40	Quartzite	Medium to coarse grain, green arkosic quartzite. Few dark bands with pyrite.							

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From/De	To/À						From/De	To/À			
238.40	239.84	Mafic Dyke	Medium grain black with tiny white clasts. Much carbonate in groundmass. Med soft with grey residue. 17deg to LCA.								
239.84	262.85	Quartzite	Medium grain, green arkosic. Few dark bands. Bedding 80deg to LCA. 261.63 to 261.90 - PBQZ bed. Pea-sized smokey pebbles. <1% pyrite. Fracture @ 15 deg to LCA.								
262.85	267.0	Quartzite	Medium grain, green arkosic quartzite. 7 lamprophyre sills 2 to 17cm wide.								
267.0	283.0	Quartzite	Medium to coarse grain, green arkosic quartzite. Increase in dark banding and PBQZ. <1% pyrite.								
283.0	291.38	Quartzite	Medium grain, fairly massive green arkosic. Less banding, and floater beds. Occasional quartz clast.								
291.38	296.85	Quartzite	Medium grain, green arkosic. Occasional quartz clast.								
		Major Fault	291.38 - strong fracture @ 18deg to LCA. Not oxidized but with dark lining. Micro-fracturing and slightly brecciated below fracture. Core blocky. 292.2 - fracture 20deg to LCA - seems to be displacement along fracture. Bands of fault breccia and pebbles ~10deg along fracture. ~7cm below first fracture. 292.4 to 296.85 - Highly altered zone with fault breccia and pegmatitic looking core. Micro-fracturing with small vugs. Irregular orientation. Chloritic alteration at start of section. Finishes with much k-feldspar alteration. Minor cubic pyrite in some fractures.								
296.85	297.65	Quartzite	Medium grain, green arkosic. Occasional quartz clast.								
297.65	297.80	Quartzite	As above.			01742	297.65	297.80	0.15m		
297.80	298.10	QPC	Loosely packed. 15% pebble content to 1cm. <1% pyrite.			01743	297.80	298.10	0.30m		
298.10	298.97	Quartzite	Medium grain to coarse. Darker green. <1% pyrite			01744	298.10	298.97	0.87m		
298.97	299.18	QPC	Loosely packed pea-sized pebbles. Darker matrix. >1% pyrite			01745	298.97	299.18	0.21m		

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From/De	To/À						From/De	To/À			
299.18	299.45	Quartzite	Medium brain - barren - darker green groundmass.			01746	299.18	299.45	0.27m		
299.45	299.63	QPC	Loosely packed pebbles to 1cm. <1% pyrite.			01747	299.45	299.63	0.18m		
299.63	299.80	PBQZ	Smokey and dark green groundmass. <1% pyrite. Tight fracture - 25deg to LCA			01748	299.63	299.80	0.17m		
299.80	300.02	QPC	Medium packed pebbles to 1cm. 40% chert and white quartz. Fine pyrite to 20%			01749	299.80	300.02	0.22m		
300.02	300.26	QPC	As above.			01750	300.02	300.26	0.24m		
300.26	300.84	Quartzite	Medium to coarse grain, green arkosic quartzite. <1% pyrite.			01751	300.26	300.84	0.58m		
300.84	301.12	PBQZ	Loosely packed QPC. 20% pebbles some to 1cm. <1% pyrite. Smokey matrix			01752	300.84	301.12	0.28m		
301.12	301.43	Quartzite	Medium grain, green. <1% pyrite.			01753	301.12	301.43	0.31m		
301.43	303.83	Quartzite	Medium grain, green arkosic. <1% pyrite. Occasional pea-sized quartz clast								
		Mafic Dyke	302.5 to 303.0 - Mafic dyke, soft, black. Carbonate in groundmass. 60deg to LCA								
303.83	304.15	PBQZ	Couple 4 to 10 cm bands of QPC. 5% pyrite. Loosely packed pebbles to 1cm			01754	303.83	304.15	0.32m		
304.15	304.56	Quartzite	Medium grain, green massive. <1% pyrite.			01755	304.15	304.56	0.41m		
304.56	304.90	QPC	Loosely packed pebbles to 1cm. 20% pebble content. 1% pyrite.			01756	304.56	304.90	0.34m		
304.90	305.02	Quartzite	Coarse grain, green. Occasional smokey pebble. <1% pyrite.			01757	304.90	305.02	0.12m		
305.02	305.26	PBQZ	Coarse grain with few quartz pebbles. Smokey. <1% pyrite.			01758	305.02	305.26	0.24m		
305.26	305.75	PBQZ	Loosely packed pebbles to 20% content. 1cm smokey pebbles. <1% pyrite			01759	305.26	305.75	0.49m		
						Blank					
						Std. DL-1a					
305.75	306.06	QPC	Loosely packed. 20% pebble content to 1cm. Smokey quartz and <1% pyrite.			01762	305.75	306.06	0.31m		
306.06	306.55	Quartzite	Medium to coarse grain, green. Occasional quartz clast. <1% pyrite.			01763	306.06	306.55	0.49m		
306.55	307.0	QPC	Loosely packed pebbles to 1cm. 2% detrital pyrite.			01764	306.55	307.0	0.45m		
307.0	307.37	Quartzite	Coarse grain, light green. Occasional quartz pebble.			01765	307.0	307.37	0.37m		
307.37	308.0	PBQZ	Loosely packed with occasional white quartz pebble and chert. <1% pyrite.			01766	307.37	308.0	0.63m		
308.0	308.45	Quartzite	Coarse grain with occasional quartz pebble. Darker green matrix. <1% pyrite.			01767	308.0	308.45	0.45m		

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**Journal de forage**

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'e hantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
308.45	308.70	Quartzite	Medium grain with occasional white quartz clast to 1.5cm. <1% pyrite. Good core			01768	308.45	308.70	0.25m		
308.70	308.81	PBQZ	Loosely packed. 10% smokey quartz pebbles to 1cm. <1% pyrite. Good core.			01769	308.70	308.81	0.11m		
308.81	308.98	Quartzite	Medium grain and medium green. <1% pyrite.			01770	308.81	308.98	0.17m		
308.98	308.15	QPC	Loosley packed. 25% pebble content to 1cm. 5% pyrite.			01771	308.98	309.15	0.17m		
		HW Main									
309.15	309.25	QPC	Medium packed. 5% pyrite.			01772	309.15	309.25	0.10m		
309.25	309.35	Quartzite	Medium grain. <1% pyrite. Green and arkosic.			01773	309.25	309.35	0.10m		
309.35	309.46	PBQZ	Loosley packed pea-sized pebbles. <1% pyrite.			01774	309.35	309.46	0.11m		
309.46	309.62	PBQZ	As above			01775	309.46	309.62	0.16m		
309.62	309.76	QPC	Loosley packed. 25% pebble content to 2cm. <1% pyrite.			01776	309.62	309.76	0.14m		
						Blank Std. DL-1a	01777 01778				
309.76	309.90	QPC	Medium packed pebbles to 2cm. Angular with one to 3cm. Disseminated and detrital pyrite to 2%. Pyrite/chalcopyrite and pyrrhotite stringers. Appears to be a tight fracture controlling the pyrrhotite. 5deg to LCA			01779	309.76	309.90	0.14m		
309.90	310.1	QPC	Medium packed pebbles to 2cm. Smokey pebble. 5% detrital pyrite. Some pyrrhotite. Splotches of bright yellow pyrite.			01780 Duplicate	309.90 309.90	310.10 310.10	0.20m 0.20m		
310.1	310.28	QPC	Well packed. 50% pebble content. Pebbles to 2cm. Pyrrhotite stringers.			01782	310.1	310.28	0.18m		
310.28	310.58	QPC	Medium packed pebbles to 3cm. White quartz - angular and some broken pebbles. Heavy pyrite as detrital - some dull yellow, some bright yellow as stringers. Occasional pyrrhotite bleb. 30% pyrite overall.			01783	310.28	310.58	0.30m		
310.58	310.76	PBQZ	Coarse grain with few pea-sized pebbles. <1% pyrite.			01784	310.58	310.76	0.18m		
310.76	310.91	PBQZ	Few elongated pebbles. 20% detrital pyrite as narrow beds.			01785	310.76	310.91	0.15m		
310.91	311.16	QPC	Well packed pebbles to 3cm. White quartz and elongated. 5% pyrite.			01786	310.91	311.16	0.25m		

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"



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Journal de forage

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
311.16	311.32	QPC	Medium packed quartz and chert pebbles and shards. Some angular pebbles.			01787	311.16	311.32	0.16m		
311.32	311.55	QPC	Well packed pebbles to 3cm. White quartz and occasional chert pebble. Some mafic clasts. Dark smokey groundmass. Detrital pyrite to 5%.			01788	311.32	311.55	0.23m		
311.55	311.70	QPC	Loosely packed pebbles to 2cm. 2% pyrite. Light green cement. Angular pebbles and clasts of white quartz and occasional mafic pebble.			01789	311.55	311.70	0.15m		
311.70	311.80	Quartzite	Medium grain, green. <1% pyrite.			01790	311.70	311.80	0.10m		
311.80	312.0	QPC	Medium packed QPC. Pebbles to 3cm. Smokey quartz/chert and mafic pebbles. 10% pyrite.			01791	311.80	312.0	0.10m		
312.0	312.2	QPC	Medium packed with pebbles to 3cm. 10% pyrite @ bottom. Minor pyrrhotite.			01792	312.0	312.2	0.20m		
		FW Main									
312.2	313.1	Quartzite	Medium grain, darker green FW quartzite. Smokey quartz grains. Occasional pea-sized pebble. Barren.			01793	312.20	313.1	0.90m		
313.1	315.07	Quartzite	Coarse grain, green arkosic quartzite to PBQZ. <1% pyrite. Pea-sized pebbles.								
315.07	322.3	Quartzite	Fine to medium grain, green arkosic. Occasional dark stringer and micro-fracture with dark staining.								
322.3	323.0	Quartzite	Fine grain, grey massive quartzite. Very fine disseminated pyrite.								
323.0	323.28	Quartzite	As above.			01794	323.0	323.28	0.28m		
323.28	323.67	Quartzite	Fine grain dark grey to black. Chlorite contamination. Fine pyrite stringers or finely disseminated as bedding features 75 to 80 deg to LCA.			01795	323.28	323.67	0.39m		
323.67	323.80	Quartzite	Very fine grain, dark green to black with heavy pyrite and pyrrhotite. Detrital pyrite. Magnetic. Very strong radioactivity. 1500 to 1800 cps.			01796	323.67	323.80	0.13m		
323.80	324.20	Quartzite	Fine grain, dark green to black. Weak pyrite as blebs. Chlorite contamination.			01797	323.80	324.20	0.40m		
		Metasediments	Can be scratched. Mild sericitic alteration - possibly albite in matrix.								

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'e hantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
324.20	324.88	Metasediments	Very fine grain, dark green to black - schistose and foliated in part.			01798	324.20	324.88	0.68m		
		Huronian	Deformation. Much pyrite streaking and few stringers. Some pyrrhotite. No								
		Volcanics	distinct unconformity.								
324.88	326.26	Volcanics	Very fine grain dark green to black. 5 bull quartz sections with minor k-								
		Huronian	feldspar alteration. Not magnetic. Scratches easily with with residuc. No carbonate.								
326.26	335.0	Volcanics	Interbedded metasediments of fine to medium grain lighter grey flows. Carbonate								
		Huronian	in groundmass. Partly siliceous and schistose sections of albite alteration. Some dense basalt flows.								
			The entire section is highly magnetic. No visible pyrrhotite. Occasional quartz/ carbonate streaking.			Blank					
						Std. DL-1a	01799				
							01800				
			EOH 335.0m								

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Hole ID / Forage n° PM-08-102 (LR-02)		Claim No. / N° de concession minière SSM4215305		Township/Area / Canton JOUBIN	
Name of Land Holder / No, de Pele Mountain Resources		Azimuth 180 °	Dip / Inclinaison -60 °	End of Hole (m) / fin de forage (m) 101m	Overburden Depth / profondeur des morts- terrains 3.5m
Drilling Company / Compagnie de forage M.G. Drilling Inc.		Logged by (print) / Inscrit par (écriture en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 357m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/ff) 2008-05-21	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/ff) 2008-05-21	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/ff) 2008-05-25	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake. On.		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
UTM / MTU	Latitude / Longitude degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée:	Longitude:
Easting / Abscisse:	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	3.5	Casing	Mix of cobbles and rubble - granite, mafic and quartzite.							
3.5	10.1	Metavolcanics	Very fine grain, dark grey to black. Massive with occasional quartz vein.							
10.1	49.46	Tholeiitic Meta basalt	Medium to coarse grain, lighter green to lime green with alteration around some carbonate veinlets. Carbonate in groundmass. Blochy lime green amygdules. Coarser to bottom of section looking like andesite or gabbroic.							
49.46	91.7	Metavolcanics	Fine grain dark grey to black. Basalt. Numerous quartz/carbonate brecciated veinlets and veins. Flow top breccia typically 5 to 10 cm in width. Some minor sericitic alteration. Very minor pyrite blebs associated with quartz veining. Occasional narrow felsic flow - medium grain with a buff colour.							
91.7	101.0	Metavolcanics	Andesite or diabase intrusive. Massive, medium grain with occasional quartz/ carbonate veinlet.							
				EOH 101m						

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"



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Hole ID / Forage n° PM-08-103 (HL-02)		Claim No. / N° de concession minière SSM1192671		Township/Area / Canton JOUBIN	
Name of Land Holder / No, de Pclc Mountain Resources		Azimuth °	Dip / Inclinaison -90 °	End of Hole (m) / fin de forage (m) 52m	Overburden Depth / profondeur des morts- terrains 1.8m
Drilling Company / Compagnie de forage M.G. Drilling Inc.		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-06-01	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-06-01	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-06-03		Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON	

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u>
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5137514	Longitude:
Easting / Abscisse: 382253	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	0.7	Overburden	Granite rubble and gravel.							
0.7	1.8	Casing	20cm mafic boulder followed by gravel.							
1.8	26.1	Metavolcanics	Fine grain, dark grey to black. Flow structure or fabric 40 to 50deg to LCA.							
		Huronian	Calcite/carbonate amygdules present. Interlayered tholeiitic basalt of light and dark groundmass. Much carbonate in groundmass. Bull quartz 20.5 to 20.85.							
			Quartz/albite/carbonate veining.							
26.1	52.0	Metavolcanics	Fine grain to medium grain, black tholeiitic basalt and andesite. Much carbonate							
			Very magnetic to bottom of hole - magnetite. Three 6cm bull quartz veins. No min.							
			EOH 52m							

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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Hole ID / Forage n° PM-08-104 HL-04		Claim No. / N° de concession minière SSM3009465		Township/Area / Canton JOUBIN	
Name of Land Holder / No. de Pele Mountain Resources		Azimuth °	Dip / Inclinaison -90 °	End of Hole (m) / fin de forage (m) 52	Overburden Depth / profondeur des morts- terrains 1.0
Drilling Company / Compagnie de forage M.G.Drilling Inc.		Logged by (print) / inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Elévation du collier
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-06-02	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-06-02	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-06-03	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON.		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
UTM / MTU	Latitude / Longitude degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée:	Longitude:
Easting / Abscisse:	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	1.0	Casing	Mafic-intermediate boulder, rubble and gravel.							
1.0	27.5	Diabase	Medium grain, light green gabbroic texture. Some larger 2cm lighter green blotches. Massive with little chill zoning. Gradational contact at bottom. High angle fracture 20.0 to 30.0m @ 10deg to LCA. - rusty. Mineralization is disseminated and becomes more massive as stringers @ 8.7 to 16m. <1% overall Pyrite, pyrrhotite and some chalcopyrite - soft. 8.67 to 9.16 - 5% pyrite, 2% pyrrhotite 9.16 to 9.87 - 2% pyrite, 2% pyrrhotite 9.87 to 10.60 - 2% pyrite, 2% pyrrhotite 10.60 to 11.40 - 2-5% pyrite, 2-5% pyrrhotite 11.40 to 12.08 - 2% pyrite, 1% pyrrhotite							
						02078	8.67	9.16	0.49m	
						02079	9.16	9.87	0.71m	
						02080	9.87	10.60	0.73m	
						02081	10.60	11.40	0.80m	
						02082	11.40	12.08	0.68m	

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**Drill Log**  
**Journal de forage**

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pièds des carottes prélevées	Your Sample No./ N° d'e hantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pièds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
			12.08 to 12.86 - 1% pyrite, 1% pyrrhotite			02083	12.08	12.86	0.78m	
			12.86 to 13.30 - <1% pyrite, 1% pyrrhotite			02084	12.86	13.30	0.44m	
			13.30 to 13.98 - < 1% min			02085	13.30	13.98	0.68m	
			13.98 to 14.78 - 1% pyrite, 1% pyrrhotite			02086	13.98	14.78	0.80m	
			14.78 to 16.00 - 1% pyrrhotite			02087	14.78	16.00	1.22m	
						Blank				
						Std DL-1a				
27.5	52.0	Metavolcanics	Intermediate to felsic tuffs and tuff breccia. Crystal tuff to chert. Chert sections. Banded. 50 to 60deg to LCA. Some foliation. No carbonate. Very fine grain, light grey.							
			EOH 52m							

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**Journal de forage**

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Hole ID / Forage n° PM-08-105 FOA		Claim No. / N° de concession minière SSM3009485		Township/Area / Canton JOUBIN	
Name of Land Holder / No, de Pele Mountain Resources		Azimuth -180 °	Dip / Inclinaison -45 °	End of Hole (m) / fin de forage (m) 49.0	Overburden Depth / profondeur des morts- terrains 2.5m
Drilling Company / Compagnie de forage M.G. Drilling		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Elévation du collier
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-06-02	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-06-03	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-06-04	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON>		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée:	Longitude:
Easting / Abscisse:	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	2.5	Casing	Granite and quartzite rubble.							
2.5	12.67	Quartzite	Medium to coarse grain, green arkosic. Much of the section has a typical mottled							
		Ryan Mbr.	biotite/chlorite look. Orange staining in 40 to 50% of core. K-feldspar alteration. Some fracture related, some with grit beds. 6.6 and 6.8m - fractures @ 35deg to LCA.							
12.67	20.64	Quartzite	Coarse grain, green, arkosic. Gritt, PBQZ and mottled biotite/chlorite sections. Also some orange staining from K-feldspar in sections. Fractures are also rusty. 18m - 10deg to LCA, 20cm broken core at this point.							
20.64	21.32	PBQZ	Coarse grain with 30 to 40% pea-sized pebbles. 70% K-feldspar alteration of groundmass. <1% pyrite.			01935	20.64	21.32	0.68m	
21.32	22.11	Quartzite	Coarse grain, green, arkosic. Light green bleached groundmass. 50% K-feld.			01936	21.32	22.11	0.79m	

\*For features such as foliation, bedding, schistosy, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

"Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)"  
"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
			<1% pyrite. 5% quartz clast.							
22.11	22.30	Quartzite	Coarse grain, light green, bleached, altered, K-feldspar alteration. 10 to 20 % quartz clasts. <1% pyrite.			01937	22.11	22.30	0.19m	
22.30	22.55	Conglomerate Strat. HWMCB	Medium packed QPC. Green sericitic matrix. Smokey quartz pebbles. <1% pyrite Not leached.			01938	22.30	22.55	0.25m	
22.55	23.00	PBQZ	Loosley packed pebbles to 2cm. Light green groundmass. <1% pyrite.			01939	22.55	23.00	0.45m	
23.00	23.37	QPC HWMCB	Well packed pebbles to 2cm. Light green matrix. 50% orange staining - K-feld. Leached. - pyrite oxidized - <1% pyrite.			01940	23.00	23.37	0.37m	
23.37	23.72	QPC	Medium packed, bleached groundmass and orange staining. <1% pyrite. Quartz clasts are typically white or smokey.			01941	23.37	23.72	0.35m	
23.72	24.00	QPC	Well packed. <1% pyrite. K-feldspar alteration in groundmass. White quartz pebbles to 2cm.			01942	23.72	24.00	0.28m	
24.00	24.30	QPC	Well packed, smokey pebbles to 2cm. <1% pyrite. Fine disseminated pyrite. Occasional mafic clast.			01943	24.00	24.30	0.30m	
24.30	24.56	QPC	Bleached and stained - oxidized groundmass. <1% pyrite.			01944	24.30	24.56	0.26m	
24.56	24.82	QPC	Medium packed pebbles to 1cm. Polymictic. Fine pyrite to 5%. Smokey pebbles. Light green sericitic matrix.		Duplicate	01945 01946	24.56 24.56	24.82 24.82	0.26m 0.26m	
24.82	25.10	QPC FWMCB	Well packed pebbles to 3cm. Fine pyrite to 5%. Smokey quartz clasts. Bottom 10cm of section bleached and oxidized. Crushed core at FW contact.			01947	24.82	25.10	0.28m	
25.10	25.66	Quartzite	Coarse grain, light green. Bleached and some minor staining or alteration.			01948	25.10	25.66	0.56m	
25.66	26.23	Quartzite	FW quartzite. Medium to coarse grain, green. %0% k-feldspar grains in matrix. Oxidation in most fractures. Occasional pea-sized quartz clast.			01949	25.66	26.23	0.57m	
26.23	38.90	Quartzite	As above. FW quartzite.							
38.90	39.52	Quartzite	Fine to medium grain. 20% oxidized. K-feldspar alteration of groundmass.			01950	38.90	39.52	0.62m	

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Drill Log Journal de forage

Table with columns: Footage/Avancement (From/De, To/À), Rock type / type de roche, Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.), Planar Feature Angle \* / Angle des caractéristiques planes, Core Specimen Footage / Longueur en pieds des carottes prélevées, Your Sample No. / N° d'échantillon du prospecteur, Sample Footage / Niveau de prélèvement de l'échantillon (en pieds) (From/De, To/À), Sample Length / Longueur de l'échantillon, Assays / Analyses minéralurgiques

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**Drill Log**  
**Journal de forage**

Under section 8 of the Mining Act, this information is used to maintain a public record. / Aux termes de l'article 8 de la Loi sur les mines, ces renseignements serviront à tenir à jour les dossiers publics.

Hole ID / Forage n° PM-08-106 FOB		Claim No. / N° de concession minière SSm3009485		Township/Area / Canton JOUBIN	
Name of Land Holder / No, de Pele Mountain Resources		Azimuth -180 °	Dip / Inclinaison -65 °	End of Hole (m) / fin de forage (m) 48m	Overburden Depth / profondeur des morts- terrains 2.5m
Drilling Company / Compagnie de forage M.G. Drilling Inc.		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2008-06-03	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2008-06-04	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2008-06-05	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON.		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	2.5	Casing	Granite boulder and quartzite boulder with mixed gravel.							
2.5	10.86	Quartzite	Medium to coarse grain, green, arkosic. Occasional quartz clast and occasional mottled chlorite/biotite section. Orange stained K-feldspar alteration in much of core. Minor fracturing. Oxidation present with rust in fractures.							
10.86	18.70	Quartzite	Medium to coarse grain, green. 50% orange staining and oxidation. Bedding 75 to 80deg to LCA. Occasional quartz clast. Occasional PBQZ section. 10 to 20 cm wide. Some grit sections of coarser quartzite. Pebbles are pea-sized. <1% pyritic.							
18.70	19.23	Quartzite	Coarse grain, green arkosic. Some orange staining but weakening. Fractures are still rusty.							
19.23	19.40	Quartzite	Medium grain, light green. Barren.			01955	19.23	19.40	0.17m	

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**Drill Log**  
**Journal de forage**

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'e hantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
19.40	20.04	PBQZ	Loosely packed QPC. Pebbles to 2cm. Occasional smokey pebble. <1% pyrite. 80% of core altered or oxidized.			01956	19.40	20.04	0.64m		
20.04	20.22	Quartzite	Coarse grain, gritty arkosic. 50% K-feldspar grains in groundmass.			01957	20.04	20.22	0.18m		
20.22	20.80	PBQZ	Loosely packed, pea-sized pebbles in coarse matrix of 50% K-feldspar grains. Smolkey quartz pebbles. <1% pyrite.			01958	20.22	20.80	0.58m		
20.80	21.0	Quartzite	Medium to coarse grain. Occasional quartz clast. Orange staining.			01959	20.80	21.00	0.20m		
21.0	21.3	Quartzite	Medium grain, arkosic. Mild brownish/orange staining.			01960	21.00	21.30	0.30m		
21.3	21.4	QPC	Loosely packed quartz pebble conglomerate. Smokey pebbles. Sericitic cement. 2% pyrite.			01961	21.30	21.40	0.10m		
21.4	21.6	Quartzite	Coarse grain to PBQZ. Light green matrix with <1% pyrite.			01962	21.40	21.66	0.20m		
21.6	21.8	Quartzite	Coarse, gritty, arkosic. Orange staining prominent.			01963	21.60	21.80	0.20m		
21.8	22.0	QPC	Loosely packed. Orange staining in groundmass. K-feldspar alteration. Fracture			01964	21.80	22.00	0.20m		
		HW MCB	15deg to LCA - oxidized.								
22.0	22.14	QPC	Medium packed with 30% pebble content to 1cm. Smokey pebbles. Light green sericitic cement. <1% pyrite. Minor k-feldspar.			01965	22.00	22.14	0.14m		
22.14	22.23	Quartzite	Coarse grain, green with 50/50 feldspar/quartz grains.			01966	22.14	22.23	0.09m		
22.23	22.45	QPC	Loosely packed 20% pebble content to 2cm. White quartz pebbles with occasional darker pebble. <1% pyrite.			01967	22.23	22.45	0.22m		
22.45	22.60	QPC	Loosely packed. 20% smokey quartz pebbles to 1cm. <1% pyrite.			01968	22.45	22.60	0.15m		
22.60	22.77	PBQZ	Loosely packed. Few smokey pebbles to 1cm. <1% pyrite. Light green matrix			01969	22.60	22.77	0.17m		
						Blank					
						Standard					
						DL-1a					
22.77	22.92	QPC	Medium packed pebbles to 2cm. 1 to 2% pyrite - fine. Sericitic matrix			01972	22.77	22.92	0.15m		

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'e hantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
22.92	23.10	QPC	Loosely packed pea-sized smokey pebbles. <1% pyrite.			01973	22.92	23.10	0.18m		
23.10	23.30	QPC	Medium packed 40% content. Pebbles elongated and angular. Mix of quartz, chert and mafic clasts. 2% fine pyrite. Minor oxidation on fracture planes 25deg to LCA.			01974	23.10	23.30	0.20m		
23.30	23.43	Quartzite	Coarse green arkosic quartzite.			01975	23.30	23.43	0.13m		
23.43	23.65	QPC	Medium packed. 40% pebbles to 2cm. Mix of smokey and mafic clasts. Some elongated clasts. <1% pyrite.			01976	23.43	23.65	0.22m		
23.65	23.87	QPC	Well packed pebbles to 50%. 3cm diam. Smokey. Light green matrix. Odd pyrite band. <1% overall.		Duplicate	01977	23.65	23.87	0.22m		
23.87	24.0	QPC	Well packed 60% content to 2cm. 5% pyrite. Light cement - some chert pebbles			01979	23.87	24.00	0.13m		
24.0	24.20	PBQZ	Loosely packed 15% smokey quartz pebbles. <1% pyrite.			01980	24.00	24.20	0.20m		
24.20	24.36	PBQZ	As above			01981	24.20	24.36	0.16m		
24.36	24.52	QPC	Loosely packed pebbles to 2cm. Oxidized, broken at contact with FW quartzite.			01982	24.36	24.52	0.16m		
		FW MCB	K-feldspar alteration. Distinct orange colour. <1% pyrite.								
24.52	25.07	Quartzite	Medium grain. Light green matrix. Barren - massive. Leached and bleached out arkosic quartzite.			01983	24.52	25.07	0.55m		
25.07	36.84	Quartzite	Medium to coarse grain, massive. Green. First 4 to 5 m bleached. Some minor orange staining. Occasional quartz clast at bottom.								
36.84	37.70	Quartzite	Coarse grain, darker green PBQZ. Occasional 1cm white quartz pebble. Minor k-feldspar grains in matrix.								
37.70	38.03	Quartzite	Darker green, bedded quartzite. Medium to coarse grain.			01984	37.70	38.03	0.33m		
38.03	38.44	Quartzite	As above. 50% oxidized in bedding fractures, joints and in matrix. Occasional 1cm quartz clast.			01985	38.03	38.44	0.41m		
38.44	38.70	Conglomerate	Medium packed QPC. Pebbles to 3cm. 30% pyrite. K-feldspar grains in matrix			01986	38.44	38.70	0.26m		

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**Drill Log**  
**Journal de forage**

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
38.70	38.96	PBQZ	Few white quartz pebbles to 1cm. Coarse arkosic groundmass. <1% pyrite. 50 % k-feldspar. Darker grey appearance.			01987	38.70	38.96	0.26m		
38.96	39.07	QPC	Medium packed pebbles to 2cm. Chert and quartz pebbles some elongated. 20% pyrite			01988	38.96	39.07	0.11m		
39.07	39.92	Quartzite	Medium grain, dark grey. Chlorite contamination from basement. Occasional white quartz clast. <1% pyrite.			01989	39.07	39.92	0.85m		
39.92	40.50	Metavolcanic Thrust Faulted	Fault gouge - brecciated. Mud included. Broken core with red hematite staining throughout. Lower 22cm is sheared with layered hematite stained volcanics. Very fine grain.			01990	39.92	40.50	0.58m		
40.50	44.0	Metavolcanic	Very fine grain dark green to black. Chloritic groundmass. Red staining prominent as streaks. Quartz veining. No min. Partially schistose. Becomes magnetic down the hole. 42.9 to 43.03 - brecciated with quartz and chloritic fragments.								
44.0	48.0	Metavolcanics	Very fine grain dark green to black. Magnetic. Minor red staining. Dense and still very chloritic. Occasional quartz veinlet. Not carbonate.			Blank Std. DL-1a	02090 02091				
			EOH 48m								

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# **APPENDIX “B”**

## **Drill Hole Logs**

**PM 07-58 to PM 07-72**  
**PM 08-73 to PM 08-106**

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Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Drill Log Journal de forage

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Table with 4 columns: Hole ID / Forage n°, Claim No. / N° de concession minière, Township/Area / Canton, Name of Land Holder / No. de Pele Mountain Resources, etc.

Table with 2 main sections: DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE, and Datum/Zone/Northing/Easting information.

Main data table with columns: Footage/Avancement, Rock type / type de roche, Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.), Planar Feature Angle, Core Specimen Footage, Your Sample No., Sample Footage / Niveau de prélèvement de l'échantillon, Sample Length / Longueur de l'échantillon, Assays / Analyses minéralurgiques.

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Drill Log  
Journal de forage

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
63.8	78.16	Quartzite	Dark grey, fine grain argillaceous quartzite. Occasional quartz stringer. Weak bedding 60 to 70 deg to LCA. Minor disseminated pyrite.							
78.16	81.18	Argillite	Dark grey to green, very fine grain. 78.35 to 78.42 - sheared, flacky section 40deg to LCA.							
81.18	92.0	Argillite	Dark grey to dark green, very fine grain. Grades into lighter coloured quartzite Minor fracturing. Slightly foliated and serpentized in part. Moderately soft to scratch test.							
92.0	110.0	Quartzite Matinenda Frm	Light grey to white, fine grain quartzite. Stinson Member. Slight pink colour. Massive							
110.0	118.58	Quartzite	Light grey to white, medium grain quartzite. Massive. Noticeable absence of oxidation and staining.							
118.58	122.0	Quartzite	Medium grain, medium grey quartzite. Minor dark banding and pea-sized grains in groundmass.							
122.0	132.4	Quartzite	Medium grain, grey quartzite. Massive. 126.0 - fracture 35deg to LCA, coarse section with a few minor vugs. Green quartzite section at bottom .							
137.4	144.0	Quartzite	Light green to grey, medium grain massive quartzite. 137.5 to 138.0 - fine grain green quartzite. Minor mottled chlorite/biotite.							

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
			137.0 to 137.5 - broken lamprophyre dyke							
			139.7 to 139.9 - darker grey, coarse grain quartzite							
			141.2 to 142.0 - darker grey, quartzite.							
			Bedding planes 60 to 70 deg to LCA.							
144.0	150.8	Quartzite	Fine to medium grain, pink quartzite. Occasional quartz clast and narrow dark stringers. Core broken in sections locally.							
150.8	151.8	Quartzite	Light grey to green quartzite. Numerous narrow dark bands containing pyrite Bedding 70deg to LCA Medium grain.							
151.8	154.0	Quartzite	Fine grain, light grey to green quartzite. Broken core with black staining on fracture surfaces.							
154.0	164.13	Quartzite	Light grey to white medium to coarse grain quartzite. Numerous bull quartz veins to 3cm wide, 50deg to LCA. Occasional pyrite stringer. Occasional quartz clast and smokey quartz grains associated with pyrite stringers.							
164.13	169.4	Quartzite	As 154.0 to 164.13. Numerous dark stringers with associated pyrite. Also numerous quartz veins 50deg to LCA, cross-cutting dark banding that is oriented @ 60deg to LCA.							
169.4	195.4	Quartzite Stinson Mbr.	Light grey to white, medium to coarse grain quartzite. No bedding planes and pyrite stringers as above. Occasional angular mafic clast. Occasional quartz							

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From/De	To/À						From/De	To/À		
			/pebble to 3cm.							
			177.2 to 177.8 - Occasional pyrite stringer 80deg to LCA.							
			186.8to187.5 - Occasional pyrite stringer							
			185.5 to 195.4 - Medium to fine grain quartzite. Slight pink colour.							
			Sharp contact with lower Ryan member.							
195.4	227.0	Quartzite	Medium to coarse grain, light green arkosic quartzite. Boardering on grit.							
		Ryan Mbr.	Massive. Numerous narrow dark stringers with pyrite. Bedding 75 to 80deg to LCA. Occasional small(pea-sized) white quartz clast. Occasional fine grain section. No oxidation present in this hole.							
227.0	232.0	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional fine grain bed and narrow dark stringers 75deg to LCA. Occasional quartz veinlet 25deg to LCA. 229.8 to 230.4 - Fracture 5 to 10deg to LCA. No secondary min. Occasional quartz clast to 1cm.							
232.0	232.65	Quartzite	Fine grain, green arkosic quartzite. Slightly altered to light grey colour. 232.23 to 232.53 - Broken core, minor breccia - light colour siltstone matrix. - minor quartz clasts - no secondary min. - possible fault							
232.65	259.3	Quartzite	Medium grain, green arkosic quartzite. Numerous narrow dark bands with pyrite. 75deg to LCA. Occasional quartz clast. Occasional fine grain section. 75deg.							

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From/De	To/À						From/De	To/À		
259.3	269.9	Quartzite	Medium to coarse grain, green arkosic quartzite. Numerous narrow dark bands. 259.3 to 259.53 - Floater bed - PBQZ <1% pyrite, smokey quartz grains. 261.8 to 262.1 - PBQZ, smokey pebbles <1% pyrite 266.23 to 266.32 - PBQZ, Medium packed pea-sized quartz pebbles. <1% pyrite 269.15 to 269.3 - PBQZ, loosely packed <1% pyrite							
269.9	274.2	Quartzite	Medium to coarse grain, green arkosic quartzite. Grit in part. Dark narrow bands Occasional pyrite stringer. Occasional quartz clast. No staining in this hole. Narrow floater beds @: 70.05 to 70.15, 71.25 to 71.35, 72.75 to 72.85, 73.46 to 73.58. Poorly sorted and packed PBQZ with pea-sized pebbles and grains. Partially smokey and trace pyrite.							
274.2	275.93	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional dark mineralized band. <1% pyrite. Occasional quartz clast. Bedding 75-80deg to LCA.							
275.93	276.68	PBQZ	Loosely packed quartz pebble conglomerate with ~ 10% smokey pebbles. Pebbles to 1cm diam. <1% pyrite			00901	275.93	276.68	0.75m	
276.68	277.06	Conglomerate HW	Medium packed QPC. Smokey pebbles to 1cm. Occasional mafic elongated clast. 2% pyrite.			00902	276.68	277.06	0.38m	
277.06	277.26	Conglomerate	Well packed QPC. Pebbles to 2cm. Smokey quartz, 5% pyrite. Some buckshot pyrite imbedded in larger pebbles. 60% pebble content.			00903	277.06	277.26	0.20m	

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From/De	To/À						From/De	To/À		
277.06	277.46	Conglomerate	Loosely packed QPC. 30% pebble content. <1% pyrite. Mix of smokey quartz, orthoclase and mafic pebbles in a quartz granular groundmass.			00904	277.26	277.46	0.20m	
277.46	277.70	PBQZ	Loosely packed PBQZ. 10% pebble content as smokey quartz pea-sized grains. Occasional pebble to 2cm. <1% pyrite.			00905	277.46	277.70	0.24m	
277.70	278.0	Conglomerate	Medium packed QPC. 40 to 50 % pebble content. Mix of smokey and white quartz pebbles to 2cm diam. 5% pyrite. Sericitic matrix (yellowish-green)			00906	277.70	278.0	0.30m	
278.0	278.2	Conglomerate	Well packed QPOC. 60 % smokey quartz pebbles. 5% pyrite. Elongated sericitic clasts.			00907	278.0	278.2	0.20m	
278.2	278.38	Quartzite	Medium grain, green arkosic quartzite. <1% pyrite. Occasional quartz clast.			00908	278.20	278.38	0.18m	
278.38	278.76	Conglomerate	Well packed QPC. Pebble content 60to70%. Smokey quartz pebbles to 3cm. 50 to 60% buckshot pyrite.			00909	278.38	278.76	0.38m	
278.76	278.92	PBQZ FW Main	Loosely packed PBQZ with 3cm white quartz pebbles. <1% pyrite. Green sericitic matrix mixed with smokey quartz grains.			00910	278.76	278.92	0.16m	
278.92	279.80	Quartzite	Medium grain, green arkosic quartzite. Occasional quartz clast and fine grain beds to 5cm wide. <1% pyrite.			00911	278.92	279.80	0.88m	
279.80	288.55	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional pea-sized quartz clast. Minor bedding planes @ 75deg to LCA.							

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From/De	To/À						From/De	To/À			
288.55	289.70	Quartzite	Coarse grain, massive green quartzite. Smokey groundmass. Occasional quartz clast. Groundmass becomes darker to bottom of section. Trace pyrite.			00912	288.55	289.70	1.15m		
289.7	289.88	Conglomerate Basal	4cm white quartz pebbles in chloritic, medium grain groundmas. 5% pyrite. Sharp - unconformable contact with underlying volcanics.			00913	289.70	289.88	0.18m		
289.88	290.87	Archean Volcanics	Dark green to black fine grain mafic volcanics. Occasional pyrite streak.			00914	289.88	290.87	0.99m		
290.87	291.30	Archean Volcanics	Fine grain dark green to black volcanics. Section of white quartz and grey chert pebbles and clasts to 3cm. Pyrite coats the pebbles and occasional pyrite stringer. Core slightly broken in sections.			00915	290.87	291.30	0.43m		
291.30	292.00	Archean Volcanics	Fine grain, dark green to black volcanics. Upper contact unconformable. Large white quartz pebbles mixed with massive pyrite in mafic matrix. Core broken. Lower section appears bleached out. White quartz matrix with minor shearing and foliation.			00916	291.30	292.00	0.70m		
292.00	298.00	Archean Volcanics	Fine grain dark green to black mafic volcanics. Pyrite streaking and occasional quartz carbonate veinlet.								
						Blank					
			EOH 298.0m			Standard					
			Acid test corrected to -84deg.			UtS-4 Tailing					

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Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Drill Log Journal de forage

Under section 8 of the Mining Act, this information is used to maintain a public record. / Aux termes de l'article 8 de la Loi sur les mines, ces renseignements serviront à tenir à jour les dossiers publics.

Table with 4 columns: Hole ID / Forage n°, Claim No. / N° de concession minière, Township/Area / Canton, Name of Land Holder / No. de Pele Mountain Resources, Azimuth, Dip / Inclinaison, End of Hole (m) / fin de forage (m), Overburden Depth / profondeur des morts-terrains, Drilling Company / Compagnie de forage, Logged by (print) / Inscrit par (écrite en lettres moulées), Core Size / Dimensions de la carotte, Collar Elevation / Élévation du collier, Date Hole Started / Date de commencement du forage, Date Completed / Date d'achèvement, Date Logged / Date d'inscription au journal, Location of Core Storage / Endroit où la carotte est stockée.

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE. Includes UTM / MTU and Latitude / Longitude sections with datum and zone selection options.

Main data table with columns: Footage/Avancement (From/De, To/À), Rock type / type de roche, Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.), Planar Feature Angle \* / Angle des caractéristiques planes, Core Specimen Footage / Longueur en pieds des carottes prélevées, Your Sample No./ N° d'échantillon du prospecteur, Sample Footage / Niveau de prélèvement de l'échantillon (en pieds) (From/De, To/À), Sample Length / Longueur de l'échantillon, Assays / Analyses minéralurgiques.

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From/De	To/À						From/De	To/À		
			65deg to LCA. Massive.							
57.6	58.6	Quartzite	Very fine grain, light buff to light green siltstone/quartzite. Core broken and chippy. contact sharp with overlying bed. Minor mud associated with contact.							
		Broken core	58.0 - mud/breccia 4cm wide @ 70deg to LCA. No secondary min.							
58.6	64.35	Quartzite	Fine grain, pink quartzite. Occasional quartz clast. Minor grit sections.							
		Broken core	61.0 - fracture, 30deg to LCA							
			63.0 - fracture, 30deg to LCA							
			Core broken @ 61.4 to 61.6							
64.35	70.6	Quartzite	Fine to medium grain pink quartzite.							
			67.25 to 67.5 - siltstone - fine grain, yellowish.							
			Core slightly broken. Minor dark banding @ 70 deg to LCA.							
70.6	72.4	Quartzite	Medium grain, grey quartzite. Massive. Narrow dark banding with trace pyrite.							
72.4	72.64	Conglomerate	Loosely packed QPC. Pebble content 40%. Pebbles to 2cm. White quartz mixed with smokey and mafic pebbles. Trace pyrite. Gradational upper contact. 65 deg on lower contact. Weak count on scintillometer. Floater reef ( unusual this far up in the sequence)							
72.64	77.15	Quartzite	Grey to pink altered quartzite. Fine to medium grain. Occasional pea-sized quartz clast. 78.0 to 78.15 - siltstone bed, yellowish brown.							

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From/De	To/À						From/De	To/À		
78.15	99.15	Quartzite	Medium grain, massive grey quartzite. Occasional narrow dark band with trace pyrite. 91.5 to 92.0 - Broken, stained quartzite. 4cm floater QPC bed. Trace pyrite.							
99.15	106.1	Quartzite Ryan Mbr.	Medium grain, green arkosic quartzite. Sharp upper contact. Occasional narrow dark banding. Pea-sized quartz grains throughout. Bedding @70deg to LCA. Trace pyrite. Floater pyrite stringers and pebbles @ 104.5 to 104.7							
106.1	145.0	Quartzite	Medium grain, green arkosic quartzite. Massive. Numerous narrow dark bands with trace pyrite. Essentially these bands are smokey quartz grains. Occasional quartz clast. Bedding 70 to 75deg to LCA. Intercalated fine grain bedding. 135.2 to 135.5 - fracture 15deg to LCA. Stained reddish/brown. Very minor 2cm wide floater reefs appearing. Smokey groundmass with pyrite.							
145.0	155.5	Quartzite	Medium grain, green arkosic quartzite. Occasional quartz clast and dark stringer with trace pyrite. 150.2 to 153.7 - numerous high angle fractures @ 15deg to LCA. No staining Weak bedding planes @ 75deg to LCA.							
155.5	155.7	PBQZ	Loosely packed PBQZ with ~2% pyrite. Occasional quartz clast to 2cm. 50% orthoclase grains in groundmass. Bedding 75deg to LCA.							
155.7	156.87	Quartzite	Medium grain, green arkosic quartzite. Gritty sections. Massive. Occasional							

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From/De	To/À						From/De	To/À		
			quartz clast and dark stringers. Trace pyrite.							
156.87	182.2	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional quartz clast.							
		PBQZ	Numerous narrow dark bands with trace pyrite. Numerous floater beds a few cm wide.							
			156.82 to 157.15 - quartzite with a few pyrite stringers. Occasional quartz clast							
			164.12 to 164.3 - PBQZ <1% pyrite (2x background on scint.)							
			166.94 to 167.05 - PBQZ, narrow, well packed <1% pyrite							
			170.15 to 170.55 - PBQZ, loosely packed <1% pyrite							
			170.80 to 171.27 - PBQZ, pyrite stringers.							
			173.2 to 173.45 - PBQZ, smokey groundmass, <1% pyrite							
			174.45 to 174.5 - PBQZ							
			175.0 to 175.45 - PBQZ, pebbles to 1cm, pyrite stringer, 2x background on scint.							
			175.8 to 175.9 - PBQZ, weak							
			177.26 to 177.35 - PBQZ							
			177.90 to 178.1 - PBQZ, pea-sized grains, smokey pebbles to 1cm, <1% pyrite							
			178.45 to 179.0 - PBQZ, Quartzite, loosely sorted with gritty sections.							
			179.97 to 180.13 - PBQZ, <1% pyrite							
			180.87 to 180.97 - PBQZ, dark stringers, <1% pyrite.							
			181.46 to 181.84 - PBQZ, loosely packed pea-sized quartz clasts, <1% pyrite							
182.14	183.95	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional quartz clast and pea sized pebble to 1cm. Minor PBQZ bedding.							
			182.6 to 182.8 - PBQZ, Trace pyrite, dark banding 75deg to LCA							

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pièdes des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pièdes)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
183.95	184.35	Quartzite	Medium grain, green arkosic quartzite. Occasional quartz clast and dark stringer <1%pyrite			00919	183.95	184.35	0.40m	
184.35	185.0	Quartzite	Medium grain, green arkosic quartzite. 5to10% pebble content with 1cm diam . pebbles.Occasional mafic clast and pyrite stringer. 7cm conglomerate bed @ lower contact. Well packed. 10to20% pyrite with bed.			00920	184.35	185.0	0.65m	
185.0	185.52	PBQZ	Medium grain, greener arkosic quartzite. Occasional 1cm white quartz pebble and occasional pyrite stringer. Lower part of bed displays better sorted and packing			00921	185.0	185.52	0.52m	
185.52	185.96	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional quartz clast. Minor pyrite stringers.			00922	185.52	185.96	0.44m	
185.96	186.28	Conglomerate HW Main	Medium packed QPC. Mix of white and smokey quartz pebbles. to 1.5cm Occasional cherty pebble. 50% pebble content. 5% pyrite		Duplicate	00923 00924	185.96 185.96	186.28 186.28	0.32m 0.32m	
186.28	186.61	Conglomerate	Medium packed QPC. 30% pebble content. Pebbles to 2cm. Smokey. <1% pyrite			00925	186.28	186.61	0.33m	
186.61	186.78	Conglomerate	Well packed mix of quartz/chert and mafic pebbles to 3cm. Sericitic matrix. 5% pyrite			00926	186.61	186.78	0.17m	
186.78	187.07	Conglomerate	Well packed QPC. Mix of quartz/chert and mafic pebbles to 3cm. 10% pyrite. 60% pebble content			00927	186.78	187.07	0.29m	
187.07	187.48	Conglomerate	Well packed QPC. 60to70% pebble content. 20to30% pyrite. Some pyrite stringer Some larger pebbles are elongated.			00928	187.07	187.48	0.41m	

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
187.48	187.83	Conglomerate	Medium packed QPC. 40% pebble content. Pebbles to 2cm. Quartz/chert mix. 2% pyrite. 9cm coarse quartzite bed intercalated @ bottom of section.			00929	187.48	187.83	0.35m		
187.83	188.27	Conglomerate FW Main	Medium packed QPC. 50% pebbles content. Pebbles to 2cm. Smokey. 5to10% pyrite. Sharp lower contact.			00930	187.83	188.27	0.44m		
188.27	189.3	Quartzite	Medium grain massive green , arkosic quartzite. Trace pyrite.			00931	188.27	189.3	1.03m		
189.3	192.33	Quartzite	Medium to coarse grain, green arkosic quartzite. Gritt and intercalated fine grain sections. Bedding 75deg to LCA.								
192.33	193.4	Quartzite	Medium grain, light buff arkosic quartzite. Occasional quartz clast. 50% orange orthoclase grains in groundmass.								
193.4	196.00	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional quartz clast. Some intercalate fine grain sections. Trace pyrite.								
196.00	197.23	Quartzite	Fine to medium grain, light green to buff quartzite. Trace pyrite.								
197.23	197.42	Quartzite to Greywacke	Medium grain, dark green massive greywacke. Tiny white phenocrysts. Dark smokey quartz grains. Trace pyrite. Weakly radioactive.			00932	197.23	197.42	0.19m		
197.42	198.76	Greywacke Quartzite	Medium grain dark green massive greywacke to quartzite. Chlorite contamination Trace pyrite.			00933	197.42	198.76	1.34m		

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Hole ID / Forage n° PM-07-60		Claim No. / N° de concession minière SSM3009475		Township/Area / Canton JOUBIN	
Name of Land Holder / No. de Pele Mountain Resources		Azimuth 180 °	Dip / Inclinaison -85 °	End of Hole (m) / fin de forage (m) 134m	Overburden Depth / profondeur des morts- terrains 27.0m
Drilling Company / Compagnie de forage M.G. Drilling		Logged by (print) / Inscrit par (écrite en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 378m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2007-11-07	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2007-11-07	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2007-11-07	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, On.		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5138295	Longitude:
Easting / Abscisse: 384325	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	27.0	Casing	Mix of granite, diabase and quartzite boulders and rubble. Non magnetic.							
27.0	48.0	Quartzite	Medium to coarse grain, arkosic quartzite. Numerous narrow dark bands and stringers with trace pyrite. Smokey quartz grains associated with these bands.							
		Matinenda	Occasional quartz clast and pea-sized pebble. No evidence of oxidation in any joints or fractures. Intercalated fine grain bedding throughout. Bedding @ 70deg							
48.0	76.0	Quartzite	Medium to coarse grain arkosic quartzite. As above.							
			Fracturing @: 57.6(15deg), 59.5(20deg), 62.4(25deg), 63.8(25deg), 64.0(10deg)							
			70.0(15deg). Intercalated grit and fine grain bedding @ 70deg to LCA. Slight increase in PBQZ sections. Trace pyrite.							

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From/De	To/À						From/De	To/À		
76.0	88.36	Quartzite	Medium to coarse grain, green arkosic quartzite. Increase in dark mineralized banding. Smokey quartz grains associated . 76.0 to 76.25 - fractured core with brown staining. 25deg to LCA. 78.2 to 78.7 - fractured and altered core. Orange feldspar component. Reddish staining. Does not appear to be a fault. Bedding 70deg to LCA.							
88.36	105.3	Quartzite	Medium grain, green arkosic quartzite. PBQZ and QPC beds forming. 88.36 to 88.5 - smokey band with a few quartz pebbles. Trace pyrite. 91.2 to 91.3 - PBQZ bed. Trace pyrite. 93.13 to 93.24 - Dark band with white quartz pebbles. Trace pyrite. 94.0 to 94.23 - QPC. Loosely packed with <1% pyrite. 96.90 to 97.13 - PBQZ, smokey pebbles with trace pyrite. 98.3 to 98.5 - PBQZ. Occasional quartz clast and trace pyrite. 99.93 to 100.05 - PBQZ/QPC, smokey quartz pebble with trace pyrite. 101.14 to 101.24 - PBQZ, pyrite stringers.							
105.3	108.53	Quartzite	Medium to coarse grain, green arkosic quartzite. Massive. Occasional narrow dark banding with trace pyrite. Occasional quartz clast.							
108.53	109.22	Quartzite	Medium grain, green arkosic quartzite. Increase in dark banding. Occasional 1cm quartz pebble. <1% pyrite.			00937	108.53	109.22	0.69m	
109.22	109.64	PBQZ	Loosely packed PBQZ to QPC. 1cm white quartz pebbles. Occasional pyrite stringer. Bedding 75deg to LCA. Sharp contact.			00938	109.22	109.64	0.42m	

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Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

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Hole ID / Forage n° PM-07-61		Claim No. / N° de concession minière SSM3009471		Township/Area / Canton JOUBIN	
Name of Land Holder / No. de Pele Mountain Resources		Azimuth 360 °	Dip / Inclinaison -75 °	End of Hole (m) / fin de forage (m) 125m	Overburden Depth / profondeur des morts- terrains 0.5m
Drilling Company / Compagnie de forage M.G. Drilling		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 377m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/ff)	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/ff)	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/ff)	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON.		
2007-11-07	2007-11-08	2007-11-08			

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u>
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5138200	Longitude:
Easting / Abscisse: 384450	

Footage/Avancement	Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
						From/De	To/À		
0.0	0.5m	Casing	Mix of granite, greenstone and quartzite fragments. (rubble)						
0.5	32.0	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional narrow dark band						
		Matinenda Fmt.	with trace pyrite - 55 to 60deg to LCA. Intercalated fine grain bedding. Occasional quartz clast. Trace pyrite. Oxidized bedding @ 2.25m (fracture - 55 deg), 3.2 (20deg fracture), 4.0, 4.4, 4.8 - 5cm orange staining/gritt sections. 7.1, 10.5, 12.8, 14.4, 18.4 - 7cm to 30 cm sections of oxidization. Bedding bedding related.						
32.0	54.6	Quartzite	Medium to coarse grain, green arkosic quartzite. Numerous narrow dark bands 55 to 60deg to LCA. Intercalated fine grain sections. Occasional quartz clast -						

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From/De	To/À						From/De	To/À		
			smokey quartz. Occasional light green to grey section.							
			32.5 - fracture, rusty, 15deg to LCA							
			43.2 to 43.4 - chippy quartzite, medium grain							
			43.5, 49.0, 52.5. - fracturing with rust, 15, 40 deg to LCA							
54.6	60.0	Quartzite	Medium to coarse grain, buff to orange arkosic quartzite. Occasional PBQZ bed. Pea-sized quartz pebbles associated. Some alteration of grains in groundmas to orthoclase. Ground slightly more fractured. Rust on joints and fractures.							
60.0	62.0	Quartzite	60 to 60.9 - Medium grain buff to orange quartzite. Occasional 1cm white quartz pebble. Also some mafic clasts. Occasional pyrite stringer and black streaking. Becoming brecciated to bottom. Minor deformation.							
		Mafic Intrusive	60.9 to 61.36 - Mafic intrusive, very soft and dark grey. Disseminated pyrite. Mica flakes mixed with quartz and feldspar grains. Quartz/carbonate streaking. Chloritic. 50deg contact.							
			61.36 to 62.0 - Highly chloritic, altered brecciated quartzite. Black. Silvery sheen on fracture surfaces. Core is broken up.							
62.0	64.9	Quartzite	Medium to coarse grain, buff to green arkosic quartzite. 54.0 - fracture 10 to 20 deg to LCA. - broken. Occasional quartz clast to 1cm. High orange feldspar content.							
64.9	71.0	Quartzite	Medium to coarse grain, green arkosic quartzite. Less feldspar component. Occasional quartz/feldspar pebble and narrow dark band, bedding 55deg to LC A							

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From/De	To/À						From/De	To/À		
			Trace pyrite. One 2cm quartz vein crossing the bedding planes @30deg to LCA.							
			Fine grain sections a few cm's wide.							
71.0	75.6	Quartzite	Medium to coarse grain quartzite. Much orange feldspar grains. Occasional white quartz pebble to 1cm.							
			71.5 - 5cm bull quartz. Dark streaking mixed in. Trace pyrite.							
			73.0 to 73.05 - Black mud slip 75deg to LCA							
			73.66 - mud slip, tight. 35deg to LCA							
			Core generally broken up.							
75.6	81.27	Quartzite	Medium to coarse grain, green to light green/grey arkosic quartzite. Minor dark banding and quartz clast - pea-size. Fairly massive.							
81.27	82.0	Mafic Intrusive	Soft chloritic dyke. Lamprophyre. Fine grain, dark green to black. Quartz/carb. veining. Sharp contact with little alteration, 10deg to LCA.							
82.0	85.64	Quartzite	Medium grain, green arkosic quartzite. Intercalated fine grain sections.							
			82.0 to 82.67 - PBQZ section with pea-sized quartz pebbles and minor pyrite.							
			Dark banding.							
			82.9 to 83.0 - PBQZ with pea-sized mix of quartz/mafic pebbles, <1% pyrite							
			85.3 to 85.4 - PBQZ with pea-sized smokey quartz pebbles. Occasional pebble to 1cm. Trace pyrite.							
85.64	86.1	Diabase	Fine grain dark green to black intrusive. Possibly finer grain diabase. Still							

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
			soft rock. Sharp contacts. No contact alteration. 15deg to LCA.							
			0.5cm quartz lining.							
86.1	97.36	Quartzite	Medium to coarse grain, green to buff arkosic quartzite. Massive. Minor dark banding with associated trace pyrite and white quartz clast to 1cm. Bedding 60 deg to LCA.							
97.36	99.65	Quartzite Mafic Intrusive	Medium to coarse grain, green arkosic quartzite. Occasional white quartz clast and narrow dark stringer or band. Floater PBQZ bed @ 97.75m(0.20) 10% pebble to 1cm and dark stringers. Trace pyrite. Finer quartzite to bottom - grey. Note: Very fine grain black intrusive @ 97.87 to 99.1 - cuts quartzite cleanly @ 10deg to LCA. Relatively soft to scratch. Appears to be quartz/feldspar with tiny mica flakes throughout. 99.36 - similar to above - 5 to 10deg to LCA.							
99.65	100.5	Quartzite Mafic Intrusive	Medium grain, green arkosic quartzite. QPC section at 99.65 to 99.82 - medium packed (40% pebbles) to 1cm with <1% pyrite. Mafic dyke runs to 100.0m then pinches out to quartz/carbonate vein. Occasional narrow dark band with pyrite and smokey quartz grains.			00952	99.65	100.5	0.85m	
100.5	101.0	PBQZ	Loosely packed PBQZ with few 1cm smokey quartz pebbles. Occasional pyrite stringer.			00953	100.5	101.0	0.5m	
101.0	101.46	PBQZ	Loosely packed PBQZ. <1% pyrite. 10% pebble content to 1cm diam. Some			00954	101.0	101.46	0.46m	

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From/De	To/À						From/De	To/À			
			pebbles are elongated.		Duplicate	00955	101.0	101.46	0.46m		
101.46	101.95	Conglomerate	Well packed QPC. Mix of white and smokey quartz pebbles to 2cm. Occasional feldspar or cherry pebble. 5% pyrite. Matrix cement typically yellowish sericitic material.			00956	101.46	101.95	0.49m		
		HW Main									
101.95	102.30	Conglomerate	Loosely packed QPC. 25% pebble content with <1% pyrite. Sericitic fragments mixed with quartz and feldspar pebbles. Some pebbles orange colour.			00957	101.95	102.30	0.35m		
102.30	102.78	Conglomerate	Medium packed QPC. 50% pebble content. Pebbles to 2cm Occasional mafic angular clast. Orange feldspar pebbles. Black streaking in micro fractures. 2% pyrite. Possible stress on conglomerate from dyke swarms in the area.			00958	102.30	102.78	0.48m		
102.78	103.1	Conglomerate	Medium packed QPC. 10% pyrite. 40% pebble content. Pebbles to 2cm. Detrital pyrite. Micro fracturing with black staining throughout section.			00959	102.78	103.1	0.32m		
103.1	103.5	Conglomerate	Loosely packed QPC. 20% pebble content. Pebbles to 2cm. 2to5% pyrite. Note: 4cm wide, black intrusive cuts section @15deg to LCA. Fairly soft.			00960	103.1	103.5	0.40m		
103.5	103.77	Conglomerate	Medium packed QPC. 50% pebble content. <1% pyrite. Black staining around pebbles and in matrix. Some micro fractures also dark.			00961	103.5	103.77	0.27m		
103.77	104.0	Conglomerate	Well packed QPC. 75% pebble content. Pebbles smokey quartz and chert. Detrital pyrite to 5%. Black grains in matrix and minor reddish alteration of grains.			00962	103.77	104.0	0.23m		

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
104.0	104.33	Conglomerate FW Main	Well packed QPC. Pebbles mostly chert. White to light grey. Matrix ~25% mafic component, replacing any pyrite. <1% pyrite. Lower contact @ 45 deg to LCA			00963	104.0	104.33	0.33m	
104.33	104.93	Quartzite Mafic Intrusive	Medium grain, massive green arkosic quartzite. Cut by mafic dyke - very soft, possibly serpentized and chloritic. 104.6 - fracture cuts dyke off - 75deg to LCA. Quartz/carbonate coating on fracture. <1% pyrite.			00964	104.33	104.93	0.60m	
104.93	105.93	Quartzite	Massive medium grain, green arkosic quartzite. Occasional feldspar grain in matrix. Minor black stained micro fracturing. Trace pyrite.			00965	104.93	105.93	1.0m	
105.93	107.30	Quartzite	Medium grain green arkosic quartzite. Few micro fractures stained red and black. Nor orientation on these fractures. Few felsic veinlets of sericitic material. Speckled with tiny black flecs.							
107.30	107.90	Mafic Intrusive	8cm wide mafic dyke 20 deg to LCA. Lower contact irregular with narrow chill zone. Dyke soft to scratch test.							
107.90	110.14	Quartzite	Medium grain, massive green to buff arkosic quartzite. Occasional quartz clast. Occasional dark stringer 75deg to LCA. Trace pyrite.							
110.14	111.90	Quartzite	Medium grain, buff quartzite. Occasional dark stringer with trace pyrite. 60deg to LCA. 110.43 to 110.47 - mafic intrusive, soft, 65deg to LCA. Opposite to bedding.							

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From/De	To/À						From/De	To/À		
111.90	115.20	Quartzite	Medium grain dark green to black quartzite or possibly greywacke. Altered with visible orange staining - feldspar. Chlorite alteration of matrix or clay component. Moderately soft groundmass to scratch. Core broken up.							
115.20	119.0	Volcanics	Very fine grain dark green to black volcanics - tuffaceous. Hematite staining on cleavage planes. Finely banded. Core broken up.							
119.0	125.0	Volcanics	Very fine grain black volcanics. - basalt lava. Minor quartz / carbonate veining and foliation.							
					Blank	00966				
					Standard	00967				
			EOH 125.0m		UTS-4					

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## Drill Log Journal de forage

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Under section 8 of the *Mining Act*, this information is used to maintain a public record. / Aux termes de l'article 8 de la *Loi sur les mines*, ces renseignements serviront à tenir à jour les dossiers publics.

Hole ID / Forage n° PM-07-62		Claim No. / N° de concession minière SSM3009471		Township/Area / Canton JOUBIN	
Name of Land Holder / No, de Pele Mountain Resources		Azimuth 360 °	Dip / Inclinaison -55 °	End of Hole (m) / fin de forage (m) 90m	Overburden Depth / profondeur des morts- terrains 0.0
Drilling Company / Compagnie de forage M.G. Drilling Inc.		Logged by (print) / Inscrit par (écriture en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 405m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2007-11-09	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2007-11-10	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2007-11-10		Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON.	

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE		
UTM / MTU	Latitude / Longitude	
	degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales	
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83	
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:	
Northing / Ordonnée: 5138065	Longitude:	
Easting / Abscisse: 384600		

Footage/Avancement	Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
						From/De	To/À		
0.0	0.0	Casing	Collared on bedrock - quartzite						
0.0	8.80	Quartzite	Medium to coarse grain, green arkosic quartzite. Bedding @ 40deg to LCA.						
		Matinenda	0.0 to 0.45 - stained reddish/orange						
			1.8 to 2.2 - as above ; 3.1 to 3.7 - as above with fracture @ 3.5m (20deg to LCA						
			4.5 to 7.8 - as above, core broken up. Fracture @ 7.3, 7.6m - rusty, 1.5 to 20						
			deg to LCA. Occasional narrow dark stringer with smokey quartz grains and trace						
			pyrite.						
8.8	17.9	Quartzite	Medium to coarse grain, green arkosic quartzite. Numerous narrow dark stringers						
			50deg to LCA. Occasional quartz clast. Occasional pinkish quartz vein few cm						

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From/De	To/À						From/De	To/À		
			wide. Rust on fractures @ 11.6, 12.25, 17.3 (30deg), 15.0(60deg). Core broken in some sections. Some oxidized areas and slight alteration approaching dyke.							
17.9	50.5	Diabase	Nippising diabase. Fine grain at contacts with increasing texture to centre of dyke. Contacts @ 60 deg to LCA. Non-magnetic.							
50.5	65.0	Quartzite	Dark grey, altered quartzite. Possibly greywacke. Some fine grain sections with chlorite contamination and orange alteration. Occasional quartz/ feldspar clast. Occasional quartz vein. Typically medium grain with porphyritic sections. Groundmass is finer grain and dark.							
65.0	70.55	Quartzite	Medium to coarse grain, grey quartzite. Matix essentially contaminated or altered. PBQZ sections @ 65.3 to 65.6, 66.2 to 67.0, 67.7 to 68.0, 68.7 to 69.1 Trace pyrite with pebbles. Pea-sized quartz pebbles with occasional 1cm pebble Some sections well packed with pebbles and smokey grains of quartz. Slightly radioactive. (2times background) 69.0 to 70.55 - light grey quartzite, slightly bleached. Rust on fractures.							
70.55	71.48	Quartzite	Medium to coarse grain, grey quartzite. Slight pink colour in groundmass. Occasional 1cm quartz pebble.			00968	70.55	71.48	0.93m	
71.48	72.2	PBQZ	Loosely packed, PBQZ. 20% pebble content. Pebbles to 1cm. Mix of white quartz and feldspar in groundmass. Orange grains. Occasional pyrite stringer. Dark groundmass.			00969	71.48	72.20	0.72m	

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
72.2	72.96	PBQZ	Coarse grain PBQZ. 50% orthoclase feldspar. <1% pyrite. Dark groundmass. Possible chlorite contamination.			00970	72.2	72.96	0.76m		
72.96	73.30	PBQZ	Loosely packed QPC to PBQZ. Dark groundmass with white quartz pebbles to 1cm. Orange feldspar grains. <1% pyrite.			00971	72.96	73.30	0.34m		
73.30	73.88	Conglomerate HW Main	Loosely packed QPC with white quartz pebbles in dark groundmass. Some smokey pebbles. 2% pyrite.			00972	73.30	73.88	0.58m		
73.88	74.64	Conglomerate	Medium packed QPC. 50% pebble content. Mix of white quartz/orange chert and mafic pebbles to 1cm. Dark groundmass. 5% pyrite. Appears to be contaminated			00973	73.88	74.64	0.76m		
74.64	75.0	Conglomerate	Loosely packed QPC. 30% pebble content. Pebbles to 2cm. Smokey/white quartz in a dark, fine grain matrix. 5% pyrite.			00974	76.64	75.00	0.36m		
75.0	75.45	Conglomerate	Medium packed QPC. 50% pebble content. Pebbles to 2cm. Mix of white quartz and chert. Some pebbles elongated. Small quartz vein. 10% pyrite.			00975	75.0	75.45	0.45m		
						Duplicate 00976	75.0	75.45	0.45m		
75.45	75.65	Conglomerate	Medium packed QPC. 50% pebble content. Pebbles to 3cm. White quartz pebbles in a predominantly dark matrix. <1% pyrite.			00977	75.45	75.65	0.20m		
75.65	76.07	Conglomerate	Medium packed QPC. 60% pebble content. Pebbles to 3cm. White quartz and grey chert.. Smokey groundmass with dark cement. 25% pyrite. High scint count.			00978	75.65	76.07	0.42m		

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
76.07	76.45	Conglomerate	Well packed QPC. 70% pebble content. Pebbles to 3cm. Angular quartz/mafic and chert pebbles. 25% pyrite.			00979	76.07	76.45	0.38m		
76.45	76.90	Conglomerate	Well packed QPC. 60 % pebble content. Pebbles to 2cm. 30% pyrite. Dark groundmass.			00980	76.45	76.90	0.45m		
76.90	77.27	Conglomerate FW Main	Well packed QPC. 60% pebble content with 2cm diam. pebbles, Occasional angular 4cm pebble. Mix of mafic and white quartz in a predominantly dark matrix. 25% pyrite. Sharp lower contact 55deg to LCA. Cut by quartzite.			--981	76.90	77.27	0.37m		
77.23	78.0	Quartzite	Dark grey medium to coarse grain quartzite. Trace pyrite. Occasional pea-sized quartz clast.			00982	77.27	78.0	0.73m		
78.0	78.85	Quartzite	Medium to coarse grain, dark grey quartzite. Porphyritic texture with trace pyrite.			00983	78.0	78.85	0.85m		
78.85	81.74	Quartzite	Medium to coarse grain dark grey to black quartzite. Possibly greywacke in part Highly contaminated and altered porphyritic component. Some sections show poikilitic texture with tiny white phenocrysts.								
81.74	86.0	Quartzite	Medium grain dark grey to black quartzite. 82.1 to 82.45 - fine grain with tiny elongated white phenocrysts. Increasing orange feldspar grains to bottom of section.								

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From/De	To/À						From/De	To/À		
86.0	87.1	Quartzite	Medium grain orange coloured quartzite or quartz. Massive. Occasional white quartz clast and a few cubic grains of pyrite.							
87.1	87.74	Quartzite	Medium grain dark grey to black quartzite. Lower 0.30m altered conglomerate. Pebbles are orange. Some are angular and measure 5cm. Large grey quartz fragments. Trace pyrite. Slightly radioactive.			00984	87.1	87.74	0.64m	
87.74	88.5	Quartzite	Medium to coarse, dark grey to black quartzite or greywacke. Orange feldspar grains in groundmass. 88.35 - mud seam 1cm wide. 15deg to LCA. Surrounding core is oxidized.			00985	87.74	88.50	0.76m	
88.50	88.70	Volcanics	Fine grain, dark green to black volcanics. Massive basalt lavas. 30deg to upper and lower section.			00986	88.5	88.70	0.20m	
88.7	90.0	Volcanics	Very fine grain, dark green volcanics. Soft to scratch test. Chloritic and slightly schistose. Bit of sheen on fracture /cleavage surface.							
						Blank				
			EOH 95m			Standard				
						UTS-4				

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## Drill Log Journal de forage

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Hole ID / Forage n° PM-07-63		Claim No. / N° de concession minière SSM3009485		Township/Area / Canton JOUBIN	
Name of Land Holder / No. de Pele Mountain		Azimuth 360 °	Dip / Inclinaison -80 °	End of Hole (m) / fin de forage (m) 107m	Overburden Depth / profondeur des morts- terrains 2.0m
Drilling Company / Compagnie de forage M.G. Drilling		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 395
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/ff) 2007-11-10	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/ff) 2007-11-11	Date Logged (yyyy/mm/dd) / Date d'inscription au Journal (aaaa/mm/ff) 2007-11-12	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON.		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5138072	Longitude:
Easting / Abscisse: 384204	

Footage/Avancement	Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
						From/De	To/À		
0.0	2.0	Casing							
2.0	12.55	Diabase							
		Nippising diabase dyke. Typically medium grain, dark green with white phenocrysts. The lower metre of the section is finer grain. Contact irregular @ 10 to 20 deg to LCA. Non magnetic.							
12.55	16.40	Quartzite							
		Matinenda							
		Medium to coarse grain, grey to green quartzite. Altered to pink colour in sections. Some massive grey quartz with dark staining.							
16.40	38.0	Quartzite							
		Medium to coarse grain, green arkosic quartzite. Occasional quartz clast. Some fine grain narrow beds of quartzite. Occasional narrow dark stringer. Trace							

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Drill Log  
Journal de forage

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'e hantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
			pyrite. Occasional section with smokey quartz grains and white quartz pebble. 37.65 - fracture 15deg to LCA. Oxidized.							
38.0	62.4	Quartzite	Medium to coarse grain, green arkosic quartzite. Numerous narrow dark bands. Occasional quartz clast. 48.4 to 48.7 - oxidized bed - not fractured 60.4 to 60.7 - oxidized, 15deg to LCA							
62.4	78.0	Quartzite	Medium to coarse grain, bedded green quartzite. 62.4 to 63.3 - PBQZ, smokey, trace pyrite. Narrow floaters beds @ 65.0(0.2m), 65.55(0.3m), 66.15(0.2m), 71.1(0.6m) Occasional white quartz clast. Trace pyrite.			00989	80.0	80.76	0.76m	
78.0	80.0	Quartzite	Medium grain, green arkosic quartzite. 78.8 to 79.2 - PBQZ, white quartz pebbles smokey quartz grains in matrix. Trace pyrite.							
80.0	80.76	Quartzite	Medium grain, green arkosic quartzite. Occasional dark band with trace pyrite. Occasional quartz pebble.							
80.76	81.55	PBQZ	Medium grain green arkosic quartzite. 10% pebble content as floaters beds few cm wide. Pebbles to 1cm diam. Smokey quartz mixed with white quartz and chert pebbles. <1% pyrite			00990	80.76	81.55	0.79m	
81.55	81.97	Quartzite	Medium grain massive green arkosic quartzite. Few pea-sized white quartz pebble <1% pyrite.			00991	81.55	81.97	0.42m	

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From/De	To/À						From/De	To/À			
81.97	82.60	Conglomerate	Medium packed QPC. 40% pebble content to 2cm. White and smokey quartz pebbles. <1% pyrite. Contact 70deg to LCA. Yellowish green sericitic matrix and cement.			00992	81.97	82.60	0.63m		
		HW Main									
82.60	82.90	Conglomerate	Medium packed QPC. 40% pebble content with pebbles to 2cm diam. Mix of white and smokey quartz pebbles. 5% pyrite.			00993	82.60	82.90	0.30m		
82.90	83.07	Conglomerate	Well packed QPC. 60% pebble content to 3cm. 20% pyrite as detrital. Smokey groundmass. Occasional chert pebble.			00994	82.90	83.07	0.17m		
83.07	83.32	Conglomerate	Loosely packed QPC. Pebbles to 2cm diam. Mix of chert and smokey quartz pebbles. 5% pyrite as stringers.			00995	83.07	83.32	0.25m		
83.32	83.80	Conglomerate	Medium packed QPC. 50% pebble content. Angular quartz and chert pebbles to 3cm. 12% pyrite concentrated at bottom of section.			00996	83.32	83.80	0.48m		
83.80	84.28	Conglomerate	Medium packed QPC. Mix of quartz, chert and mafic pebbles to 3cm. Detrital pyrite to 5%. Light green matrix in part.			00997	83.80	84.28	0.48m		
84.28	84.64	Conglomerate	Well packed QPC. 60% pebble content. Mix of quartz, chert and smokey quartz to 2cm. 10% pyrite.			00998	84.28	84.64	0.36m		
84.64	85.0	Conglomerate	Well packed QPC. 70-80% pebble content. Mix of smokey quartz, chert and mafic pebbles - some elongated and angular. 25% pyrite. Contact 50deg to LCA			00999	84.64	85.0	0.36m		
		FW Main									

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
85.0	85.64	Quartzite	Medium to coarse grain, massive green arkosic quartzite. Occasional quartz clast Occasional narrow fine grain bed. Trace pyrite.			01000	85.0	85.64	0.64m		
85.64	86.0	Quartzite	Medium grain, green arkosic quartzite. Massive. Trace pyrite.			01001	85.65	86.0	0.36m		
86.0	88.7	Quartzite	Medium to coarse grain massive green to light grey quartzite. Occasional quartz clast and dark stringer.								
88.7	89.7	Lamprophyre	Fine to medium grain, dark green intrusive. Diabase texture in part. Soft with quartz/carbonate veining. Contact 70to80deg to LCA.								
89.7	98.3	Quartzite	Medium grain massive green to grey quartzite. Occasional quartz clast.								
98.3	98.5	Fault Gouge	Buff coloured, broken and brecciated quartzite. Brittle core. ~70deg to LCA.								
98.5	100.15	Quartzite	Dark grey to green, fine to medium grain greywacke/ quartzite. Occasional darker banding. 70deg bedding planes.								
100.15	107.0	Volcanics	Very fine grain dark green to black basalt- lava. Probably Archean volcanics. Massive with minor quartz/carbonate streaking.			Blank Standard UTS-4	01002 01003				
			EOH 107.0m								

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## Drill Log Journal de forage

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Hole ID / Forage n° PM-07-64	Claim No. / N° de concession minière SSM3009485	Township/Area / Canton JOUBIN
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Name of Land Holder / No. de Pele Mountain	Azimuth 360 °	Dip / Inclinaison -70 °	End of Hole (m) / fin de forage (m) 126m	Overburden Depth / profondeur des morts- terrains 6.0m
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Drilling Company / Compagnie de forage M.G. Drilling	Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright	Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 395
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Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mmm/jj) 2007-11-12	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mmm/jj) 2007-11-12	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mmm/jj) 2007-11-13	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON.
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DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u>
Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée:	Longitude:
Easting / Abscisse:	

Footage/Avancement	Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
						From/De	To/À		
0.0	6.0	Casing	Fine grain quartzite - grey, green with some diabase and granite rubble.						
6.0	12.0	Diabase	Medium grain Nippising diabase. Typical mottled texture. Lower metre in finer grain. Dark green.						
12.0	12.3	Rubble	Diabase rubble. 45deg contact to LCA.						
12.3	15.0	Quartzite Matinenda	Medium grain, grey to green quartzite. Massive						
15.0	15.3	Mafic Intrusive	Very fine grain, dark green intrusive. Broken. Hard. No alteration. 70deg to LCA						

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From/De	To/À						From/De	To/À		
15.3	62.15	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional quartz clast.							
		Matinenda	Occasional narrow dark stringer. Few dark-smokey PBQZ sections with trace pyrite. Bedding planes @ 50to60deg to LCA.							
			44.65 to 44.75 - floater bed with smokey pebbles and trace pyrite.							
62.15	63.1	Lamprophyre	Fine to medium grain dark green intrusive. Soft and chloritic. Quartz/carbonate veinlets. Contact @ 80deg to LCA.							
63.1	64.5	Quartzite	Coarse, gritty, arkosic quartzite. Green. Occasional narrow dark stringer with trace pyrite.							
64.5	68.2	Quartzite	Medium to coarse grain green arkosic quartzite. Intercalated fine grain sections Increase in orange feldspar grains in groundmass.							
68.2	89.0	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional quartz clast and dark stringer. Occasional narrow dark floater bed of PBQZ. 2 to 4cm wide. Trace pyrite. 76.8 - fracture @ 10deg to LCA - rusty.							
89.0	106.5	Quartzite	Medium grain green arkosic quartzite. Occasional quartz clast to 1cm. Numerous dark stringers with trace pyrite. Floater beds @ 90.15 - 0.3m, medium packed QPC. <1% pyrite 91.0 - 0.3m, PBQZ, smokey grains. <1% pyrite 103.9 - 0.5m, PBQZ, <1% pyrite. Fracture: 93.3 - rusty, 30deg to LCA ; 94.4 - 20deg, Bedding planes @ 50deg							

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From/De	To/À						From/De	To/À		
106.5	108.0	Quartzite	Medium to coarse grain, green arkosic quartzite. Dark banding 60deg to LCA. Occasional white quartz clast. <1% pyrite. Fracture @ 106.5 - 10deg to LCA. Clean but shattered core.							
108.0	108.72	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional white quartz pebble to 1cm diam. Occasional mafic clast. Few narrow dark stringers. <1% pyrite.			01004	108.0	108.72	0.72m	
108.72	108.91	PBQZ Strat. HW	Coarse grain PBQZ with 10% quartz pebbles to 1cm. Smokey groundmass. <1% pyrite.			01005	108.72	108.91	0.19m	
108.91	109.04	Quartzite	Coarse grain, green arkosic quartzite. <1% pyrite.			01006	108.91	109.04	0.13m	
109.04	109.40	Conglomerate	Loosely packed QPC. 20% pebble content. Pebbles to 1cm. <1% pyrite. Smokey quartz groundmass.			01007	109.04	109.40	0.36m	
						Duplicate	01008	109.04	109.40	0.36m
109.40	109.65	Quartzite	Coarse grain, green arkosic quartzite. <1% pyrite.			01009	109.40	109.65	0.25m	
109.65	109.90	Conglomerate Economic HW	Medium packed QPC. 50% pebble content to 1cm. Smokey quartz pebbles and groundmass. 2% pyrite. Sericitic cement.			01010	109.65	109.90	0.25m	
109.90	110.07	Conglomerate	Loosely packed QPC. 5 to 10% pebble content. Few pebbles to 2cm. Occasional pyrite stringer. <1% pyrite.			01011	109.90	110.07	0.17m	
110.07	110.50	Quartzite	Medium grain, green arkosic quartzite. Occasional quartz clast to 1cm. Few			01012	110.07	110.50	0.43m	

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
			narrow dark stringers. <1% pyrite.							
110.50	111.00	Conglomerate	Well packed QPC. 60% pebble content. Mix of smokey quartz and chert. Some pebbles elongated. 10% pyrite as detrital. Pebbles to 3cm.			01013	110.50	111.00	0.50m	
111.0	111.40	Conglomerate	Medium packed QPC. Few large chert pebbles in greenish matrix. Couple massive pyrite stringers 2cm wide.			01014	111.0	111.40	0.40m	
111.40	111.53	Quartzite	Medium grain green arkosic quartzite. <1% pyrite.			01015	111.40	111.53	0.13m	
111.53	111.74	Conglomerate FW MAIN	Well packed QPC. 60% pebble content to 3cm diam. White quartz pebbles. 10% pyrite. Sharp FW contact @ 45deg to LCA. Less than bedding which is @ 55deg.			01016	111.53	111.74	0.21m	
111.74	112.80	Quartzite	Medium grain, massive, green arkosic quartzite. <1% pyrite.			01017	111.74	112.80	1.06m	
112.80	114.90	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional quartz clast and narrow dark stringer. <1% pyrite.							
114.90	119.27	Quartzite	As 112.80 to 114.90							
119.27	120.13	Quartzite	Medium to coarse grain, light buff coloured quartzite. Higher % feldspar in groundmass. Trace pyrite.							
120.13	121.30	Quartzite	Dark green, medium grain gritty arkosic quartzite. Grades into lower section.							

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From/De	To/À						From/De	To/À			
121.2	121.95	Quartzite	Coarse grain greywacke. Dark grey with orange tint. Trace pyrite. Mafic grains predominantly feldspar in groundmass.								
121.95	122.0	Quartzite	Dark green, fine grain greywacke with occasional quartz clast. Argillaceous to bottom of section. Some rust staining on fracture surfaces. Core generally broken.								
122.0	123.0	Lost Core	Driller reported lost core through "sand".								
123.0	124.5	Volcanics	Light green tuffaceous volcanics. Core broken @ contact with upper bed. Quartz carbonate veining. Soft to scratch test. Very fine grain.								
124.5	126.0	Volcanics	Very fine grain, dark green to black basalt/lava. Harder to scratch. Massive.								
					Blank	01018					
					Standard	01019					
					UTS-4						
			EOH 126.0m								

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## Drill Log Journal de forage

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Hole ID / Forage n° PM-07-65		Claim No. / N° de concession minière SSM3009485		Township/Area / Canton JOUBIN	
Name of Land Holder / No. de Pcle Mountain		Azimuth 180 °	Dip / Inclinaison 50m °	End of Hole (m) / fin de forage (m) 50m	Overburden Depth / profondeur des morts-terrains 15.5m
Drilling Company / Compagnie de forage M. G. Drilling Inc.		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 395m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2007-11-13	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2007-11-13	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2007-11-14	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON.		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée:	Longitude:
Easting / Abscisse:	

Footage/Avancement	Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No. / N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
						From/De	To/À		
0.0	15.5	Casing	Mix of granite, quartzite, greenstone rubble. (Pink/white granite)						
15.5	15.8	Rubble	Granite, diabase rubble.						
15.8	16.16	Volcanics	Light green, very fine grain volcanic tuff. Soft to scratch.						
16.16	50.0	Volcanics	Very fine grain dark green to black volcanics. Non-magnetic. Albite schist sections. Minor. Occasional quartz vein. Disseminated pyrite at bottom of hole. Also pyrite streaking.						
			EOH 50.0m						

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**Drill Log**  
**Journal de forage**

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Hole ID / Forage n° PM-07-66		Claim No. / N° de concession minière SSM3009485		Township/Area / Canton JOUBIN	
Name of Land Holder / No, de Pcfc Mountain		Azimuth 180 °	Dip / Inclinaison -85 °	End of Hole (m) / fin de forage (m) 68.0	Overburden Depth / profondeur des morts- terrains 0.5m
Drilling Company / Compagnie de forage M.G. Drilling		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 420m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2007-11-13	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2007-11-14	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2007-11-15	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée:	Longitude:
Easting / Abscisse:	

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
0.0	0.5	Casing	Quartzite							
0.5	32.0	Quartzite Matinenda	Medium to coarse grain, green arkosic quartzite. Bedding @ 70deg to LCA. Occasional narrow dark stringer with trace pyrite. Occasional quartz clast and narrow PBQZ bed. Occasional oxidized sections @ 2.5(7cm), 2.8(3cm), 3.6(5cm) 6.0(3cm), 10.9(20cm). Essentially bedding related. Some minor fracturing. 31.0 -fracture 15deg to LCA, rusty. 29.2 to 30.0 - mottled section with biotite/ chlorite staining in matrix. PBQZ sections with smokey grains and <1% pyrite							
32.0	34.8	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional quartz clast. 32.0 to 32.75 - PBQZ, medium packed smokey quartz. Pea-sized pebbles. <1%							

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From/De	To/À						From/De	To/À			
			Pyrite. 33.45 to 33.65 - PBQZ, weak section with trace pyrite.								
34.8	38.9	Quartzite	Medium to coarse grain, green arkosic quartzite. Four PBQZ floater beds @ 34.8 (0.2m), 36.3(0.20m), 37.8(0.10m), 38.05(0.05m). Occasional quartz clast. <1% pyrite. 70 deg on bedding planes.								
38.9	41.96	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional quartz clast and dark stringer. PBQZ beds @ 39.2(0.2m), 39.9(0.33m). <1% pyrite.								
41.96	42.25	PBQZ	Well packed PBQZ with smokey pebbles to 1cm. <1% pyrite. Pebbles are to bottom of section.			01020	41.96	42.25	0.29m		
42.25	42.62	Quartzite	Coarse grain, green arkosic quartzite. Occasional quartz clast. Black streaking and mottled look with biotite/chlorite alteration in groundmass. <1% pyrite.			01021	42.25	42.62	0.37m		
42.62	42.74	PBQZ Strat. HW	Light grey, well packed PBQZ. Darker matrix with 1cm pebbles. <1% pyrite.			01022	42.62	42.74	0.12m		
42.74	43.28	PBQZ	Medium packed PBQZ with occasional 1cm quartz pebble. Light grey. Sericitic matrix. <1% pyrite.			01023	42.74	43.28	0.54m		
43.28	43.6	Conglomerate HW Main	Medium packed QPC. 50% pebble content with pebbles to 1cm. Occasional mafic clast. Occasional chert pebble. <1% pyrite. Smokey groundmass.			01024	43.28	43.60	0.32m		

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**Drill Log**  
**Journal de forage**

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
43.6	44.0	Conglomerate	Medium packed QPC. 50 to 60% pebble content to 2cm. Mix of smokey quartz and chert clasts. Smokey groundmass. 2% pyrite.			01025	43.60	44.0	0.40m		
44.0	44.42	Conglomerate	Medium packed QPC. 10% pebble content with pebbles to 2cm. Well packed pea-sized grains in groundmass. Smokey. <1% pyrite.			01026	44.0	44.42	0.42m		
44.42	44.70	Conglomerate	Medium packed QPC. 40% pebble content to 3cm diam. pebbles. Smokey quartz with occasional elongated light green fragment. 1% pyrite. Fracture @ 44.45 (30 deg - rusty)			01027	44.42	44.70	0.28m		
44.70	45.02	Conglomerate FW Main	Well packed QPC. Smokey quartz pebble to 70% of section -2cm diam. 5% pyrite Sharp lower contact @ 75deg to LCA. FW rests on underlying quartzite. No evidence of faulting. Possibly just an unconformity.			01028	44.70	45.02	0.32m		
45.02	45.70	Quartzite	Fine grain, green quartzite. Peculiar dark streaking in matrix with orientation @ 60 to 70 deg to LCA. Possibly biotite mottling. Trace pyrite. Rusty fracturing This is unusual! for FW quartzite.			01029	45.02	45.70	0.68m		
45.7	47.0	Quartzite	Medium grain, green arkosic quartzite. Occasional quartz clast and dark stringer Smokey quartz grains in groundmass.								
47.0	49.7	Quartzite	Medium to coarse grain, green arkosic quartzite, Massive								
49.7	52.06	Quartzite	Fine to medium grain, green quartzite. 60deg bedding planes. Intercalated fine								

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
			grain sections. Occasional dark stringer and white quartz clast. Slight orange colour in groundmass - feldspar.							
52.06	54.0	Quartzite	Fine to medium grain light green quartzite. 52.06 to 53.06 - siltstone. Muddy contacts and fine yellowish siltstone with 70 deg contacts to LCA. Core "chippy" and broken up. Rust staining on surfaces. Probably faulted. 1cm quartz vein at 53.0m (30deg to LCA)							
54.0	55.0	Quartzite	Medium grain, green quartzite. Numerous dark stringers with trace pyrite. 70deg to LCA.							
55.0	55.53	Quartzite	Coarse grain, green quartzite. PBQZ. Trace pyrite with a few dark stringers.			01030	55.0	55.53	0.53m	
55.53	56.0	PBQZ	Medium to coarse grain, green quartzite. Occasional 1cm quartz pebble. Dark stringers with trace pyrite. One 5cm section of fine quartzite with floater quartz pebbles. 85 and 65deg contacts. Slightly oxidized. Few pyrite blebs. Slightly radioactive.			01031	55.53	56.0	0.47m	
56.0	56.15	Quartzite	Medium grain, green arkosic quartzite. Pyrite stringer at bottom.			01032	56.0	56.15	0.15m	
56.15	59.0	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional white quartz clast. Sericitic stringers (yellow) at bottom. 70deg to LCA. PBQZ section @ 58.1(0.2m) Trace pyrite.							

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From/De	To/À						From/De	To/À		
59.0	59.57	Quartzite	Medium grain dark green quartzite. Rusty fracture @ 5deg to LCA runs through this section. Trace pyrite. Core broken.							
59.57	59.87	Quartzite	Dark green quartzite with occasional smokey quartz pebble to 1cm. Dark matrix. Trace pyrite. High angle fracture runs the length of the section and the core is broken up.			01033	59.57	59.87	0.30m	
59.87	60.12	Conglomerate Basal	Few 3cm diam quartz pebbles in medium grain dark green groundmass. Trace pyrite. Unconformable lower contact. High angle fracture runs through section.			01034	59.87	60.12	0.25m	
60.12	60.58	Volcanics	Light green volcanic tuff. Very fine grain. Occasional mafic clast. High angle fracture from the above Huronian continues into the basement. Rusty.			01035	60.12	60.58	0.46m	
60.58	63.24	Volcanics	Very fine grain dark green to black volcanics. Sheared in part. Hematite stained. Weak flow features in core @ 70deg to LCA. Bull quartz @ 61.0(0.1m), 62.8 (0.05m). Core fairly soft to scratch. Chlorite schist.							
63.24	68.0	Volcanics	Very fine grain, dark green to black volcanics. Foliation planes @ 70deg to LCA. Quartz/carbonate veining. Mostly albite schist. Trace sulphides. Non-magnetic.							
						Blank				
						Standard				
			EOH 68.0m			UTS-4				

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Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Drill Log Journal de forage

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Table with 4 columns: Hole ID / Forage n°, Claim No. / N° de concession minière, Township/Area / Canton, Name of Land Holder / No. de Propriétaire, Azimuth, Dip / Inclinaison, End of Hole (m) / fin de forage (m), Overburden Depth / profondeur des morts-terrains, Drilling Company / Compagnie de forage, Logged by (print) / Inscrit par (écrite en lettres moulées), Core Size / Dimensions de la carotte, Collar Elevation / Élévation du collier, Date Hole Started / Date de commencement du forage, Date Completed / Date d'achèvement, Date Logged / Date d'inscription au journal, Location of Core Storage / Endroit où la carotte est stockée.

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE. Includes UTM / MTU and Latitude / Longitude sections with datum and zone selection options.

Main data table with columns: Footage/Avancement (From/De, To/À), Rock type / type de roche, Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.), Planar Feature Angle / Angle des caractéristiques planes, Core Specimen Footage / Longueur en pieds des carottes prélevées, Your Sample No. / N° d'échantillon du prospecteur, Sample Footage / Niveau de prélèvement de l'échantillon (en pieds) (From/De, To/À), Sample Length / Longueur de l'échantillon, Assays / Analyses minéralurgiques.

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Drill Log  
Journal de forage

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'e hantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
107.04	108.0	Lamprophyre	Black, fine grain. Driller tag @108 m . Bottom contact also @ 30deg to LCA.							
108	121.1	Quartzite	Light green quartzite. A few stringers and narrow pebble bands @ 117m. 8cm section runs to 500cps on RS125 spectrometer.							
121.1	121.3	Quartzite	Pebble band faulted along bedding 15deg to LCA.							
121.3	146.62	Quartzite	Light green with occasional stringer and pebble band.							
146.62	146.7	PQ - Stringers	Wider than typical stringer and pebble bands. 560cps							
146.7	152.4	Quartzite								
152.4	152.63	PQ	PQ to conglomerate, very fine pyrite. Pebbles <0.01cm			01038	152.4	152.63	0.23m	
152.63	153.08	Quartzite	Light green, coarse grain.							
153.08	153.32	Conglomerate	Pebbles 0.01m, many dark, pyrite poor. 65% conglomerate			01039	153.08	153.32	0.24m	
153.32	159.6	Quartzite								
159.6	160.2	PBQZ	35% pebble bands with trace pyrite			01040	159.6	160.2	0.06m	
160.2	161.8	Quartzite								

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From/De	To/À						From/De	To/À		
161.8	162.2	PBQZ	65% pebble bands with trace pyrite			01041	161.8	162.2	0.40m	
162.2	166.16	Quartzite	Occasional very poor stringer pebble bands							
166.16	166.38	PBQZ	Very poor with 60% quartzite			01042	166.16	166.38	0.22m	
166.38	168.35	Quartzite	Pebbly quartzite							
168.35	168.63	Conglomerate	50% conglomerate in two bands. Smokey pebbles to half inch. Trace pyrite.			01043	168.35	168.63	0.28m	
168.63	168.8	Quartzite				01044	168.63	168.80	0.17m	
168.8	169.05	PBQZ	50% very poor PQ.			01045	168.8	169.05	0.25m	
169.05	169.15	Quartzite				01046	169.05	169.15	0.10m	
169.15	169.38	PBQZ	Light, smokey, half inch pebbles and <1% fine pyrite			01047	169.15	169.38	0.23m	
169.38	169.68	Quartzite				01048	169.38	169.68	0.30m	
169.68	169.83	PBQZ	Very lite smokey pebbles. Very faint pyrite.			01049	169.68	169.83	0.15m	
169.83	170.0	Conglomerate	Mostly quarter inch lite, smokey pebbles with visible, fine pyrite.			01050	169.83	179.0	0.17m	

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From/De	To/À						From/De	To/À			
170.0	170.28	Quartzite				01051	170.0	170.28	0.28m		
170.28	170.64	Conglomerate	Smokey, elongated pebbles along bedding. up to 3/4 inch pebbles. Heavy, fine pyrite over 0.1m at centre of section.			01052	170.28	170.64	0.36m		
170.64	170.97	Conglomerate	As above			01053	170.64	170.97	0.33m		
170.97	171.24	Conglomerate	As above - 171 driller tag in middle of section			01054	170.97	171.24	0.27m		
171.24	171.94	Quartzite				01055	171.24	171.94	0.07m		
171.94	173.17	PBQZ	60% poor PBQZ with very little fine pyrite. Smokey 1/2 inch pebbles			01056	171.94	172.17	0.23m		
172.17	172.30	Quartzite				01057	172.17	172.30	0.13m		
172.30	172.37	Conglomerate	Same as sample 01052			01058	172.30	172.37	0.07m		
172.37	172.57	PBQZ	3/4 inch white pebbles, occasional chert. 2 pyrite stringers near FW			01059	172.37	172.57	0.20m		
		FW Main	Overall - very poor. Core quality very good over MCB. and into the HW. Only one bedding slip at HW of sample 01058								
172.57	183.1	Quartzite	FW quartzite. Light green, gradational to light grey the medium dark grey.								

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**Drill Log**  
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From/De	To/À						From/De	To/À		
183.1	183.53	Basement	Faulted @ 38deg to LCA. 0.07m breccia at end							
183.53	192.0	Volcanics	Basement volcanics. - greenstone.		Blank	01086				
					Standard	01062				
			EOH 192.0		UTS-4					
			Acid test corrected to -86deg							

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Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Drill Log Journal de forage

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Table with 4 columns: Hole ID / Forage n°, Claim No. / N° de concession minière, Township/Area / Canton, Name of Land Holder / No. de Pele Mountain Resources, Azimuth, Dip / Inclinaison, End of Hole (m) / fin de forage (m), Overburden Depth / profondeur des morts-terrains, Drilling Company / Compagnie de forage, Logged by (print) / inscrit par (écrire en lettres moulées), Core Size / Dimensions de la carotte, Collar Elevation / Élévation du collier, Date Hole Started / Date de commencement du forage, Date Completed / Date d'achèvement, Date Logged / Date d'inscription au journal, Location of Core Storage / Endroit où la carotte est stockée.

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE. Includes UTM / MTU and Latitude / Longitude sections with datum, zone, northing, and easting values.

Main log table with columns: Footage/Avancement (From/De, To/À), Rock type / type de roche, Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.), Planar Feature Angle \* / Angle des caractéristiques planes, Core Specimen Footage / Longueur en pieds des carottes prélevées, Your Sample No. / N° d'échantillon du prospecteur, Sample Footage / Niveau de prélèvement de l'échantillon (en pieds), Sample Length / Longueur de l'échantillon, Assays / Analyses minéralurgiques.

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From/De	To/À						From/De	To/À		
			guess. dyke is dipping west @ 70deg to LCA.							
147.6	196.0	Quartzite	Light green , very competent core.							
196.0	196.3	Cave!	Pink quartzite. All small pieces. Marked as cave by drillers. Note difference in colour. Probably from 55.0 to 81.0m							
196.3	199.0	Quartzite	Driller tag - 199.0 Light green. Good core. Driller grinding core @ 196.3 and 197.2.							
199.0	206.67	Quartzite								
206.67	206.97	PQ bands	Pebbles mostly 1/4 inch. Very fine pyrite.							
206.97	207.23	Quartzite								
207.23	207.33	PQ bands	As above							
207.33	207.83	Quartzite								
207.83	208.01	PQ bands	Driller tag 208 near end							
208.01	209.21	Quartzite	2 thin pyrite stringer bands							
209.21	209.39	PQ	Stringer bands							
209.39	211.0	Quartzite	5 narrow pyrite stringer and PQ bands.							
211.0	211.5	Quartzite	At start and end there are two 0.06inch wide pyrite stringers and PQ bands.							
211.5	212.44	Quartzite	A few dark stringer bands.							
212.44	212.77	Quartzite	40% PQ with pyrite stringer bands.							
212.77	216.07	Quartzite	A few PQ pyrite stringer bands							
216.07	216.22	PBQZ	Minor conglomerate with fine pyrite. Smokey 1/2inch pebbles			01066	216.07	216.22	0.15m	
		HW Main								
216.22	216.42	Quartzite	Couple of poor stringers and occasional pebble.			01067	216.22	216.42	0.20m	

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From/De	To/À						From/De	To/À		
216.42	216.52	Quartzite	Very poor PQ			01068	216.42	216.52	0.10m	
216.52	216.62	Quartzite				01069	216.52	216.62	0.10m	
216.62	216.84	PBQZ	50% PQ. Very poor pyrite. 1/2inch pebbles			01070	216.62	216.84	0.22m	
216.84	216.99	Quartzite	Driller tag 217 in middle			01071	216.84	216.99	0.15m	
216.99	217.11	PBQZ	Almost no pyrite			01072	216.99	217.11	0.12m	
217.11	217.28	Conglomerate	Pebbles to 1/2 inch. <1% fine pyrite			01073	217.11	217.28	0.17m	
217.28	217.44	PBQZ	No pyrite, very poor.			01074	217.28	217.44	0.16m	
217.44	217.62	Conglomerate	As 01073			01075	217.44	217.62	0.18m	
217.62	217.85	Conglomerate	40% pebble content with fine pyrite			01076	217.62	217.85	0.23m	
217.85	218.12	Conglomerate	Best. Pebbles mostly smokey to 3/4inch. Best amount of pyrite to detrital.			01077	217.85	218.12	0.27m	
						Duplicate	01087	217.85	218.12	0.27m
218.12	218.31	Quartzite	PQ band and one 0.01m pyrite band.			01078	218.12	218.31	0.19m	
218.31	218.48	Conglomerate	Smokey pebbles with some pyrite as above.			01079	218.31	218.48	0.17m	

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From/De	To/À						From/De	To/À		
218.48	218.67	Quartzite	One pebble band. Almost no pyrite			01080	218.48	218.67	0.17m	
218.67	218.91	Conglomerate	Good 3/4 to 1 inch smokey pebbles. Fair pyrite. Detrital.			01081	218.67	218.91	0.24m	
218.91	219.13	Conglomerate	As 01081			01082	218.91	219.13	0.22m	
219.13	219.31	Conglomerate	50 % pebble content. Fair pyrite. Not as good PQ			01083	219.13	219.31	0.18m	
219.31	219.48	Conglomerate	Not as good. White pebbles. <1% pyrite Sharp contact.			01084	219.31	219.48	0.17m	
		FW Main								
219.48	219.91	Quartzite	Driller tag 220m			01085	219.48	219.91	0.43m	
219.91	223.42	Quartzite								
223.42	223.69	Quartzite	Dark stringer bands. Pebble <1/4inch. Very poor fine pyrite.							
223.69	225.98	Quartzite								
225.98	226.13	Quartzite	50% dark bands. No pebbles. Very poor fine pyrite.							
226.13	226.58	Quartzite	Light green to very pale grey.							
226.58	227.65	Quartzite	Gradational. dark banded pale grey quartzite with faint pyrite. Very pale grey quartzite with basement fragments or silt clasts ( resembles grey granite texture)							
227.65	235.0	Basement	No faulting at unconformity as in othe holes. 228.8 - 228.7 - soft, possibly sheared @ 20deg to LCA. Core is soft and plyable.		Blank	01060				
		Volcanics	EOH 235.0 Acid test corrected to -84deg.		Standard	01061				
					UTS-4					

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Ministry of  
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Hole ID / Forage n° PM - 07 - 69		Claim No. / N° de concession minière SSM3009485		Township/Area / Canton Joubin	
Name of Land Holder / No. de Pele Mountain Resources		Azimuth 180 °	Dip / Inclinaison -85 °	End of Hole (m) / fin de forage (m) 159m	Overburden Depth / profondeur des morts- terrains 24m
Drilling Company / Compagnie de forage M.G. Drilling Inc.		Logged by (print) / Inscrit par (écrire en lettres moulées) Patrick Enright		Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier 385m
Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2007-11-25	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2007-11-27	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2007-11-28	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON		

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
<u>UTM / MTU</u>	<u>Latitude / Longitude</u> degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée:	Longitude:
Easting / Abscisse:	

Footage/Avancement	Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
						From/De	To/À		
0.0	24.0	Casing	Granite, diabase and quartzite boulders and rubble.						
24.0	49.9	Quartzite Stinson Mbr.	Light grey to buff coloured, medium to coarse grain quartzite. Lower contact @ 75deg to LCA. (sharp) 24.0 to 27.0 - conglomerate sections, some well packed. Pebbles to 4cm. Occasional mafic clast. Sub-rounded pebbles with minor pyrite associated with pebbles. 36.5 to 38.0 - Conglomerate with white quartz pebbles to 4cm. 38.0 to 49.9 - Few quartz pebbles in medium grain groundmass. Minor oxidation with joints and fractures. Fractures @ 34.5(45deg), 38.0(25deg), 42(25deg), 45(15deg).						

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From/De	To/À						From/De	To/À		
49.9	60.15	Quartzite	Medium to coarse grain green arkosic quartzite. Massive for the most part. Some gritty sections. Bedding planes @ 75 to 80deg. to LCA. Numerous narrow dark bands or stringers with smokey quartz grains and trace pyrite. Occasional quartz clast.							
60.15	60.67	Quartzite Siltstone	Very fine grain, yellowish brown siltstone. 75deg contact at top and bottom.							
60.67	99.4	Quartzite	Medium to coarse grain, green arkosic quartzite. Numerous narrow dark stringers and bands of smokey quartz and trace pyrite. Increasing quartz clasts. Occasional very fine grain quartzite section. Trace pyrite throughout. 75 to 80deg bedding planes. No oxidation. Core massive and competent.							
99.4	99.6	PBQZ	Medium grain, darker pebbly quartzite. Groundmass probably altered due to chlorite contamination. <1% pyrite.							
99.6	104.53	Quartzite	Medium grain light green to buff coloured quartzite. Fewer dark seams in this area. Occasional quartz clast. <1% pyrite.							
104.53	105.9	PBQZ	Loosely packed PBQZ. Dark groundmass with pebbles altered to orange colour. Micro-fracturing in some pebbles. Pea-sized pebbles. <1% pyrite as detrital grains.							
105.90	106.5	PBQZ	Loosely packed, green PBQZ. Pea-sized pebbles. <1% pyrite.							

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
106.5	119.1	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional quartz clast. PBQZ section @ 110.53 - 0.12m; 110.85 - 0.15m. These sections are darker with chloritic contamination.							
119.1	120.7	Quartzite	Medium to coarse grain arkosic quartzite. Darker groundmass with occasional white quartz clast. 119.0 to 119.5 - PBQZ . dark groundmass with loosely packed pea-sized quartz pebbles. <1% pyrite.							
120.7	125.5	Quartzite	Medium to coarse grain quartzite. Dark groundmass with chloritic contamination. PBQZ sections as typical "floater" reefs. Occasional bull quartz section (light grey to white massive fine grain quartz) Very "dirty" looking sediments. Whitish pea-sized pebbles included in groundmass. Trace pyrite.							
125.5	129.15	Quartzite	As above with increase in white quartz clasts. Bull quartz (8cm wide) at bottom contact. Light grey colour. Core striated and marked from turning of bit. Dark grey and green layering of core. Bedding planes @ 75 to 80deg to LCA							
129.15	129.84	Quartzite	Coarse grain, dark green, "dirty" quartzite. Massive. <1% disseminated pyrite. Slightly radioactive.			01088	129.15	129.84	0.69m	
129.84	130.2	PBQZ	Coarse grain PBQZ to QPC. Dark green groundmass with lighter green areas. Loosely packed pebbles to 1cm (10to20% content) <1% pyrite.			01089	129.84	130.20	0.36m	
130.20	130.65	PBQZ	Medium packed QPC to 40 % content of pea-sized pebbles and occasional 1cm			01090	130.2	130.65	0.45m	

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From/De	To/À						From/De	To/À		
			pebble. Occasional pyrite stringer. (3x background in terms of radioactivity)							
			Again, we have a dark component in the matrix - probably chloritic contamination							
			Note that there are dykes in the vicinity ( south) and a basement high area to the south.							
130.65	131.15	PBQZ	Loosely packed PBQZ. Pea-sized, white quartz pebbles (10% content) in a dark groundmass of quartz and feldspar grains. <1% disseminated pyrite.			01091	130.65	131.15	0.50m	
131.15	131.82	PBQZ	Loosely packed PBQZ to coarse grain quartzite. Dark groundmass of quartz and feldspar grains. Occasional white quartz grain or pebble. <10% content. Dark banding and bedding planes @ 75deg to LCA.			01092	131.15	131.82	0.67m	
131.82	132.40	PBQZ	Loosely packed PBQZ. Occasional white quartz clast. Pea-sized pebbles to <10% <1% pyrite. Altered bull quartz bed (10cm) - pinkish alteration. Gradational into surrounding groundmass. Disseminated pyrite as detrital grains.			01093	131.82	132.40	0.58m	
132.40	132.97	Quartzite	Coarse grain, dark green quartzite. Possibly greywacke. <10% white quartz clasts. Fairly massive. Disseminated pyrite <1%.			01094	132.40	132.97	0.57m	
132.97	133.56	Quartzite	Coarse grain massive, dark green quartzite to greywacke. Occasional pyrite stringer.			01095	132.97	133.56	0.59m	
133.56	142.30	Quartzite	Fine to medium grain massive dark green quartzite. Very hard to scratch. Occasional cubic pyrite grain and bleb. Occasional streak of quartz in micro-							

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Drill Log  
Journal de forage

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/De	To/À						From/De	To/À		
			fracture. Very fine grain at lower contact. Competent core with no indication of faulting to this point.							
142.30	142.90	PBQZ	Dark green to black medium grain groundmass with <10% pebble content. Minor feldspar alteration with orange grains present. 5cm altered bull quartz section. 5% pyrite stringers. Weakly defined bedding planes @ 75deg to LCA.			01096	142.30	142.90	0.60m	
142.90	143.63	Quartzite	Highly altered dark green to black quartzite. Medium grain groundmass with orange feldspar clasts. <1% disseminated pyrite.			01097	142.90	143.63	0.73m	
143.63	143.80	Greywacke/ Quartzite	Highly altered medium grain quartzite or greywacke. Dark green to black. Hard. Occasional white quartz clast. 5% pyrite as stringers. Faint bedding 75deg to LCA.			01098	143.63	143.80	0.17m	
143.80	144.86	Greywacke/ Quartzite	Highly altered medium grain. dark green to black quartzite. ( 0.30m syentite section - grey colour, coarse grain)<1% pyrite.			01099	143.80	144.86	1.06m	
144.86	145.58	Greywacke/ Quartzite	Dark green medium grain groundmass with occasional quartz and feldspar clast. Pyrite streaking occasionally. Light grey syenitic section.		note sample number change here !	01100	144.86	145.58	0.72m	
145.58	146.24	Greywacke/ Quartzite	Medium grain, dark quartzite. Light grey quartz clasts with occasional feldspar clast. Heavy pyrite stringers in this section.			01126	145.58	146.24	0.66m	
146.24	146.90	Greywacke/ quartzite	As above but with <1% pyrite.			01127	146.24	146.90	0.66m	

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From/De	To/À						From/De	To/À			
146.9	147.80	Intrusive ? (Volcanic)	Very fine grain, dark green to black chloritic intrusive. Soft to scratch. Sharp upper contact follows bedding @ 75deg to LCA. No visible pyrite.			01128	146.90	147.80	0.90m		
147.80	148.23	Volcanic	As above but with heavy pyrite stringers near bottom of section. (Highest radio-activity at the bottom of this section - 1000 to 1500 cps)			01129	147.80	148.23	0.43m		
148.23	149.25	Volcanic	Massive intrusive - Dark green, fine grain chloritic volcanics. Soft. <1% pyrite			01130	148.23	149.25	1.02m		
149.25	149.40	Volcanics (Sheared)	Sheared volcanics. Very fine grain, chloritic. ~ 45deg to LCA. Possible thrust faulting. "chippy" core.			01131	149.25	149.40	0.15m		
149.4	149.8	Volcanics	Mix of chlorite schist with faint, altered quartz/feldspar ( albite) imbedded in fine grain dark green volcanics. Occasional lighter coloured shard. This may be the unconformity area. Not well defined.			01132	149.40	149.80	0.40m		
149.80	150.6	Metasediments	Grey, altered quartzite - syenite. Coarse grain with Occasional quartz vein. Lower part of section has a mix of green volcanic material and whitish quartz or albite shards. Disseminated pyrite.			01133	149.80	150.6	0.80m		
150.6	152.37	Metasediments	Coarse grain dark green groundmass with white quartz grains. 151.6 to 152.12 - volcanic section. gradational into surrounding groundmass.								
152.37	153.70	Metasediments	Coarse altered quartzite with some dark banding. Clearly sediment like. Deeper orange alteration to bottom of section. Does not appear to be igneous, apparent			01134	152.37	153.70	1.33m		

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Table with 3 columns: Hole ID / Forage n°, Claim No. / N° de concession minière, Township/Area / Canton

Table with 5 columns: Name of Land Holder / No. de Pele Mountain Resources, Azimuth, Dip / Inclinaison, End of Hole (m) / fin de forage (m), Overburden Depth / profondeur des morts-terrains

Table with 4 columns: Drilling Company / Compagnie de forage, Logged by / Inscrit par, Core Size / Dimensions de la carotte, Collar Elevation / Élévation du collier

Table with 4 columns: Date Hole Started / Date de commencement du forage, Date Completed / Date d'achèvement, Date Logged / Date d'inscription au journal, Location of Core Storage / Endroit où la carotte est stockée

DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE. Includes UTM/MTU and Latitude/Longitude sections with datum and zone options.

Main data table with columns: Footage/Avancement, Rock type / type de roche, Description, Planar Feature Angle, Core Specimen Footage, Your Sample No., Sample Footage / Niveau de prélèvement de l'échantillon, Sample Length / Longueur de l'échantillon, Assays / Analyses minéralurgiques

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From/De	To/À						From/De	To/À		
14.6	56.0	Quartzite	Grey to light green, medium grain quartzite. Occasional white quartz clast to 2cm (rare) Minor dark banding. Core is massive - faint bedding. 53.8 to 55.1 - Core broken but with no oxidation present.							
56.0	79.8	Quartzite	Fine to medium grain, light green to buff coloured quartzite. Hint of green only Increase in narrow dark banding, (bedded). This gives the core a darker look. Trace pyrite with bands. Bedding 75 to 80deg to LCA. Fairly massive and competent.							
79.8	80.1	Quartzite	Buff coloured. Fine grain quartzite. Core "chippy" at 80m.							
80.1	87.65	Quartzite	Fine to medium grain quartzite. Light grey to pink. Numerous dark bands showing bedding features. Occasional PBQZ bed 7 to 10cm wide. Smokey quartz grains and trace pyrite. Faintly radioactive.							
87.65	94.4	Quartzite Siltstone	Very fine grain to fine grain, dark buff quartzite. Siltstone. Occasional 2cm white quartz clast or pebble. FEw sections of very fine grain layering with light and dark constituents. Associated white quartz grains. Bedding 80 to 85 deg to LCA. Very fine gradational contact at bottom. 87.9 to 88.1 - fine buff quartzite (brecciated), core broken. Minor vuggs. No secondary min. Core "chippy" and broken to 90.5m							
94.4	97.84	Quartzite	Medium to coarse grain, light grey to pink quartzite. Arkosic. Occasional white quartz pebble to 1cm. Smokey quartz grains and distinct bedding planes. 97.3 to 97.84 - fine grain pinkish quartzite. Faint contacts @ 65deg to LCA.							

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From/De	To/À						From/De	To/À		
			Slightly radioactive. Massive.							
97.84	108.6	Quartzite	Coarse grain, light grey to white quartzite. Slight green hue. Occasional 2 to 3 cm quartz pebble. 104.2 - PBQZ with trace pyrite. (7cm) 102.15 to 102.65 - two (12cm & 20cm) silt beds with mafic and pyrite inclusions Very fine grain with layering. Irregular contacts with surrounding quartzite bed Not radioactive.							
108.6	164.43	Quartzite	Medium to coarse grain, green arkosic quartzite. Sharp bedding plane contacts with upper quartzite @ 80deg to LCA. Lined with white quartz. Green quartzite, gritty in sections. Numerous dark bands with smokey grains and trace pyrite. Occasional white quartz elast or pebble. Typical bedding @ 75 to 80deg to LCA. Massive, competent ground. No oxidation.							
164.43	194.5	Quartzite	Medium to coarse grain, green arkosic quartzite Typical bedding planes. Numerous narrow, dark bands. Increase in "floater" recfs. 164.43 to 164.42 - PBQZ, pea-sized grains, <1% pyrite 165.7 to 165.95 - PBQZ, smokey stringers, 10% white quartz elasts, <1% pyrite 181 - PBQZ (10cm); 188.6 - PBQZ (10cm); 189.4 - PBQZ (10cm)							
194.5	194.68	Quartzite	Quartzite as above.							
194.68	195.38	PBQZ	Loosely packed, 20% pebble content. White and smokey pebbles to 1cm. Dark bandin. <1% pyrite			01138	194.68	195.38	0.70m	

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From/De	To/À						From/De	To/À			
195.38	195.90	Quartzite	Coarse grain, green arkosic quartzite. <1% pyrite.			01139	195.38	195.90	0.52m		
195.90	196.90	PBQZ	Loosely packed PBQZ. <10% 1cm pebbles. Smokey, white. Dark banding with trace pyrite. Some sections are better packed and sorted. 5 to 10cm. <1% pyrite			01140	195.90	196.90	1.00m		
196.90	198.04	PBQZ	Coarse grain. Occasional 1cm quartz clast. <1% pyrite.			01141	196.90	198.04	1.14m		
198.04	199.23	Quartzite	Coarse grain, green arkosic quartzite. Occasional white quartz clast. <1% pyrite			01142	198.04	199.23	1.19m		
199.23	199.90	PBQZ	Coarse grain green arkosic quartzite with heavy dark banding. Occasional quartz clast. <1% pyrite.			01143	199.23	199.90	0.67m		
199.9	200.72	Quartzite	Coarse grain, green arkosic quartzite. Occasional pyritic dark banded section. Occasional quartz clast. <1% pyrite.			01144	199.90	200.72	0.82m		
200.72	201.66	PBqz	Coarse grain, arkosic quartzite - PBQZ. Dark banding with occasional smokey quartz clast. <1% pyrite.			01145	200.72	201.66	0.94m		
201.66	202.48	PBQZ	As above			01146	201.66	202.48	0.82m		
202.48	202.70	Conglomerate	Medium packed QPC. Smokey and white quartz pebbles to 1cm. 40 % pebble content. Sub-angular pebbles. <1% pyrite			01147	202.48	202.70	0.22m		
202.70	203.5	Quartzite	Coarse grain, green arkosic quartzite. Occasional quartz clast and drk. stringer			01148	202.70	203.50	0.80m		

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From/De	To/À						From/De	To/À			
203.5	204.5	PBQZ	Coarse grain, green , arkosic. 10% quartz pebbles to 1cm. <1% pyrite			01149	203.50	204.50	1.00m		
204.5	205.0	Quartzite	Coarse grain, green arkosic quartzite.Occasional pea sized quartz clast. <1% pyrite.			01150	204.5	205.0	0.50m		
205.0	205.17	Conglomerate HW MCB	Medium packed QPC. Pea-sized to 1cm pebbles. White/smokey pebbles. 50% content. Occasional whitish chert clast. - angular and elongated. <1% pyrite.			01151	205.0	205.17	0.17m		
205.17	205.40	Quartzite	Coarse grain, green arkosic. <1% pyrite.			01152	205.17	205.40	0.23m		
205.40	205.85	Conglomerate	Well packed QPC. Mix of smokey/white quartz and chert sub-rounded pebbles. Detrital pyrite to 5%. 60% pebble content to 2cm.		Duplicate	01153	205.40	205.85	0.45m		
205.85	206.1	Conglomerate	Well packed QPC. Smokey. 50% pebble content to 2cm. 5% pyrite			01155	205.85	206.1	0.25m		
206.1	206.6	Conglomerate	Well packed QPC. Smokey/white and buff coloured quartz pebbles to 3cm. 50% pebble content. 2 to 5% pyrite - detrital. Dark grains associated with pyrite.			01156	206.1	206.6	0.50m		
206.6	207.1	Conglomerate	Medium packed QPC. 40% pebble content to 2cm diam. Sub-rounded smokey and white quartz pebbles. 20% pyrite. Groundmass contains dark grains mixed with detrital pyrite. They are angular and dense black colour. Occasional chert.			01157	206.6	207.1	0.50m		
207.1	207.2	Quartzite	Coarse grain, green arkosic. Occasional quartz clast. <1% pyrite.			01158	207.1	207.2	0.10m		
207.2	207.5	Conglomerate	Well packed QPC. Pebble content 50% to 4cm diam. Smokey and white quartz.			01159	207.2	207.5	0.30m		

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From/De	To/À						From/De	To/À		
		FW MCB	Dark grains in groundmass. 20% pyrite as angular detrital grains. Sharp, clean lower contact @ 80deg to LCA.							
207.5	208.2	Quartzite	Coarse grain, green arkosic. Massive. Gritty near top of section.			01160	207.5	208.2	0.70m	
208.2	217.25	Quartzite	Medium to coarse grain green, arkosic. Occasional quartz clast and dark banding. Trace pyrite. Becomes massive to bottom end.							
217.25	218.0	Quartzite	Medium to coarse grain arkosic, green quartzite. Occasional pea-sized quartz.			01161	217.25	218.0	0.75m	
218.0	218.25	Quartzite	Medium grain, darker arkosic quartzite. 20deg fracture with pyrite coating on surface. Not radioactive.			01162	218.0	218.25	0.25m	
218.25	218.35	Conglomerate	Medium grain quartzite groundmass - light green with massive pyrite blebs and one 4cm quartz pebble. Sharp lower contact - unconformity. Not radioactive.			01163	218.25	218.35	0.10m	
		Basal	Very blackish streak to pyrite and groundmass. "dirty" 70deg lower contact.							
218.35	218.74	Volcanics	Very fine grain, dark green tuffaceous volcanic. Occasional darker, rounded clast or shard in matrix.			01164	218.35	218.74	0.39m	
218.74	221.0	Volcanics	Very fine grain dark green to black basalt - tuff. 219.50 to 219.75 - phyllite, pyrrhotite section (as streaks) - magnetic Soft to scratch test. 221.0 to 221.1 - "crumbly" core with white quartz stringer							
221.0	230.0	Volcanics	Very fine grain, dark green to black volcanic. Occasional quartz/carbonate vein Faint lighter shards and flow features in core. Albite alteration., Pyrrhotite blebs.							
			EOH 230.0 Acid test corrected -85deg			Blank				
						Standard				
						UTS-4				

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Table with 2 main sections: DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE. Left section: UTM / MTU, Datum: [ ] NAD 27 [x] NAD 83, Zone: [ ] 15 [ ] 16 [ ] 17 [ ] 18, Northing / Ordonnée: 5138591, Easting / Abscisse: 3835500. Right section: Latitude / Longitude, Datum: [ ] NAD 27 [ ] NAD 83, Latitude:, Longitude:.

Main data table with 10 columns: Footage/Avancement (From/De, To/À), Rock type / type de roche, Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.), Planar Feature Angle \* / Angle des caractéristiques planes, Core Specimen Footage / Longueur en pieds des carottes prélevées, Your Sample No. / N° d'échantillon du prospecteur, Sample Footage / Niveau de prélèvement de l'échantillon (en pieds) (From/De, To/À), Sample Length / Longueur de l'échantillon, Assays / Analyses minéralurgiques.

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Journal de forage

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
From/Dé	To/À						From/Dé	To/À		
88.67	110.84	Quartzite	Buff to grey, fine to medium grain. Massive. Faint bedding planes @ 70deg. Occasional pea-sized white quartz clast. Increasing to medium to coarse grain to bottom of section - gradational.							
110.84	121.0	Quartzite	Medium to coarse grain, buff to grey. Arkosic. Occasional 1cm white quartz pebble. Good quality core.							
121.0	128.8	Quartzite	Pink with intercalated siltstone beds 5 to 10 cm wide. Medium grain with occasional quartz clast. Lower contact sharp. Slightly brecciated with dark staining in micro-fracturing.							
128.8	133.5	Quartzite	Grey to light green arkosic. Coarse grain to PBQZ. White grains of quartz in a sericitic matrix. Occasional quartz clast to 3cm. Rounded. 128.1 to 128.5 - Smokey quartz grains in mottled groundmass of biotite/chlorite and trace pyrite. Quartz veining up to 3cm but mottled and brecciated.							
133.5	147.25	Quartzite	Pink. Medium to coarse grain. Occasional white quartz clast. Broken from 135.5 to 138.0 - Blocky. Occasional gritty/siltstone section. Slightly brecciated.							
147.25	171.50	Quartzite	Grey/green mixed arkosic. 153 to 159 - green quartzite with numerous large white quartz pebbles and clasts. Also gritty fine grain sections. Trace pyrite. The lower part of the section has narrow dark banding with trace pyrite. Cubic. Good quality core.							
171.50	180.1	Quartzite	Medium grain, light grey quartzite. Occasional quartz clast. Some mafic clasts. Good quality core with no oxidation present.							
180.1	215.75	Quartzite	Medium to coarse grain, light grey. Massive. Occasional large quartz clast or pebble. Occasional bull quartz section. Sharp contact with green quartzite. 80deg to LCA.							

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From/De	To/À						From/De	To/À		
215.75	239.60	Quartzite	Medium to coarse grain. Green arkosic quartzite. Interbedded fine grain sections Numerous narrow dark bands of smokey quartz grains and trace pyrite. 75deg. bedding planes. Occasional white quartz clast and PBQZ section.							
239.6	252.2	Quartzite	Same as above.							
252.2	254.9	Quartzite	Same as above.							
254.9	255.33	Quartzite	Pyrite stringers with pea-sized pebbles.			01226	254.9	255.33	0.43m	
255.33	255.47	Quartzite	Green medium grain arkosic.							
255.47	255.52	Quartzite	Pyrite stringers with pea-sized pebbles.			01227	255.47	255.52	0.05m	
255.52	257.43	Quartzite	Green medium grain arkosic.							
257.43	257.43	Conglomerate	Pea-sized pebbles. Fine pyrite.			01228	257.43	257.55	0.12m	
257.55	258.0	Quartzite	Green medium grain arkosic.							
258.0	258.07	Conglomerate	As 01228			01229	258.0	258.07	0.07m	
258.07	258.27	Quartzite	Dark stringers with occasional pebble.			01230	258.07	258.27	0.20m	
258.29	261.75	Quartzite	As above							
261.75	262.13	Quartzite	Narrow pebbly bands with pyrite stringers.			01231	261.75	262.13	0.32m	
262.13	262.72	Quartzite	One band as above							
262.72	262.92	Quartzite	As above			01232	262.72	262.92	0.20m	
262.92	263.31	Quartzite	As above							
263.31	263.58	Quartzite	Total 0.08 m QPC bands as 01228.			01233	263.31	263.58	0.27m	
263.58	264.39	Quartzite	Several pebbly bands. Poor.							
264.39	264.70	Quartzite	0.18m total pebble bands. Fine pyrite.			01234	264.39	264.70	0.31m	
264.70	264.79	Quartzite	As above.							
264.79	265.01	Quartzite	Total 0.12m QPC bands.			01235	264.79	265.01	0.22m	
265.01	265.53	Quartzite	Medium grain green arkosic.							

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From/De	To/À						From/De	To/À		
265.53	265.76	Quartzite	Total 0.10m QPC.			01236	265.53	265.76	0.23m	
265.76	267.74	Quartzite	Green, medium grain arkosic.							
267.74	268.33	Quartzite	As above.							
268.33	268.43	Quartzite	Few QPC bands.			01237	268.33	268.43	0.10m	
268.43	269.09	Quartzite	As above.							
269.09	269.29	Conglomerate	Mostly pea-sized pebbles. Fine pyrite.			01238	269.09	269.29	0.20m	
269.29	269.44	Conglomerate	As above.			01239	269.29	269.44	0.15m	
269.44	270.2	Conglomerate	As above.							
270.2	270.37	Conglomerate	Total 0.07 poor QPC bands.			01240	270.2	270.37	0.17m	
270.37	270.57	Conglomerate	As above			01241	270.37	270.57	0.20m	
270.57	270.65	Conglomerate	Poor			01242	270.57	270.65	0.08m	
270.65	271.14	Quartzite	Green arkosic.			01243	270.65	271.14	0.49m	
271.14	271.22	Conglomerate	Poor QPC.			01244	271.14	271.22	0.08m	
271.22	272.62	Quartzite	Green arkosic.			01245	271.22	272.62	1.4m	
272.62	272.78	Quartzite	Poor QPC bands.			01246	272.62	272.78	0.16m	
272.78	273.15	Quartzite	As above			01247	272.78	273.15	0.37m	
273.15	273.35	Conglomerate	Pea-sized to 1cm pebbles. Fair pyrite.			01248	273.15	273.35	0.20m	
		Strat. HW Main								
273.35	273.44	Quartzite	Green arkosic.			01249	273.35	273.44	0.09m	
273.44	273.61	Conglomerate	Similar to 01248			01250	273.44	273.61	0.17m	
273.61	273.81	Quartzite	Occasional pebble			01251	273.61	273.81	0.20m	
273.81	274.07	Conglomerate	1 to 2cm pebbles. Smokey. Fair pyrite.			01252	273.81	274.07	0.26m	
		Econ. HW								
274.07	274.21	Conglomerate	As above with fair pyrite.			01253	274.07	274.21	0.14m	

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From/De	To/À						From/De	To/À			
274.21	274.41	Quartzite	As above			01254	274.21	274.41	0.20m		
274.41	274.58	Conglomerate	1cm smokey pebbles. fair pyrite.			01255	274.41	274.58	0.17m		
274.58	274.70	Conglomerate	Better pyrite, some buckshot.			01256	274.58	274.70	0.12m		
274.70	274.86	Conglomerate	Heavy pyrite, mostly buckshot.			01257	274.70	274.86	0.16m		
					Duplicate	01225	274.70	274.86	0.16m		
274.86	274.98	Conglomerate	As above.			01258	274.86	274.98	0.12m		
274.98	275.19	Quartzite	0.04 m QPC band with 2cm pebbles			01259	274.98	275.19	0.21m		
275.19	275.34	Quartzite	0.07 QPC as above			01260	275.19	275.34	0.15m		
275.34	275.52	Conglomerate	As -1257			01261	275.34	275.52	0.18m		
275.52	275.64	Quartzite	Occasional 2cm pebble with poor pyrite min.			01262	275.52	275.64	0.12m		
275.64	275.78	Conglomerate	50% QPC. good pyrite			01263	275.64	275.78	0.14m		
275.78	275.91	PBQZ	Overall poor pyrite			01264	275.78	275.91	0.13m		
275.91	276.07	Conglomerate	Well packed. 1cm smokey pebbles.			01265	275.91	276.07	0.16m		
276.07	276.18	Conglomerate	0.02 with heavy pyrite at contact.			01266	276.07	276.18	0.11m		
276.18	276.28	PBQZ	White pebbles. 0.01 with good pyrite at FW			01267	276.18	276.28	0.10m		
		FW Main Zone									
276.22	276.51	Quartzite	Green arkosic.			01268	276.28	276.51	0.23m		
276.51	286.23	Quartzite	As above								
286.23	286.41	Quartzite	3 dark stringers at bottom with 2cm white quartz pebbles. Med. buckshot pyrite			01271	286.25	286.41	0.18m		
286.41	286.61	Quartzite	Medium green banded silty quartzite			01272	286.41	286.61	0.20m		
286.61	288.37	Quartzite	Gradational to medium grey quartzite								
288.37	288.46	Quartzite	Fault gouge breccia @ 75deg to LCA								
288.46	288.71	Siltstone	Dark olive green.								
288.71	289.07	Meta Sediment	1cm angular white quartz clasts set in dark matrix.			01273	288.71	289.07	0.36m		

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From/De	To/À						From/De	To/À		
289.07	297.0	Volcanics	Metasediments and volcanics.							
			EOH 297.0m		Blank	01270				
					Standard	01269				
					Total	49 spl				

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Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

## Drill Log Journal de forage

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Under section 8 of the Mining Act, this information is used to maintain a public record. / Aux termes de l'article 8 de la Loi sur les mines, ces renseignements serviront à tenir à jour les dossiers publics.

Hole ID / Forage n° PM-07-72	Claim No. / N° de concession minière SSM 4218565	Township/Area / Canton JOUBIN
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Name of Land Holder / No. de Pele Mountain Resources	Azimuth 180 °	Dip / Inclinaison -85 °	End of Hole (m) / fin de forage (m) 231m	Overburden Depth / profondeur des morts- terrains 9.5m
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Drilling Company / Compagnie de forage M.G. Drilling Inc.	Logged by (print) / Inscrit par (écrite en lettres moulées) Patrick Enright	Core Size / Dimensions de la carotte BQ Thinwall	Collar Elevation / Élévation du collier ~390m
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Date Hole Started (yyyy/mm/dd) / Date de commencement du forage (aaaa/mm/jj) 2007-12-15	Date Completed (yyyy/mm/dd) / Date d'achèvement (aaaa/mm/jj) 2007-12-17	Date Logged (yyyy/mm/dd) / Date d'inscription au journal (aaaa/mm/jj) 2007-12-19	Location of Core Storage / Endroit où la carotte est stockée Elliot Lake, ON.
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DRILL HOLE COLLAR LOCATION CO-ORDINATES / COORDONNÉES DU COLLIER DE TROU DE FORAGE	
UTM / MTU	Latitude / Longitude degrees/minutes/seconds or decimal values degrés/minutes/secondes ou valeurs décimales
Datum: <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83	Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83
Zone: <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18	Latitude:
Northing / Ordonnée: 5138340	Longitude:
Easting / Abscisse: 383225	

Footage/Avancement From/De	To/À	Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle ° / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques
							From/De	To/À		
0.0	9.5	Casing	Mix of quartzite, grey granite and diabase gravel and solid core.							
9.5	30.0	Quartzite	Fine to medium grain, grey to buff brown quartzite. Occasional pea-sized white quartz clast. Occasional dark stringer. Good quality massive core. 15.6 and 16.7 - fractures at 15deg to LCA. Not oxidized. Minor secondary quartz crystal growth on fracture surface.							
30.0	51.0	Quartzite	Medium to coarse grain. Buff colour. Occasional 1 to 2cm white quartz clast. Very weak bedding planes. Massive good quality core. 37.8 to 38.4 - core slightly broken with minor oxidation							
51.0	78.0	Quartzite	Light grey, medium grain massive quartzite. Occasional quartz clast. Pea-sized. 57.4 to 60.0 - core broken with minor oxidation.							

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From/De	To/À						From/De	To/À		
78.0	87.0	Quartzite	Grey, medium grain quartzite. Increase in fine grain, laminated sections. Occasional narrow "floater" bed of pea-sized pebbles. Bedding 75deg to LCA. Very fine pyrite associated with dark banding. Good quality core. Finer grain and grey core to bottom of section.							
87.0	95.4	Quartzite	Nine grain, massive quartzite. Core broken. 89.2 to 89.3 - brownish siltstone 92.7 to 93.5 - Siltstone, brownish, brecciated section with fine, dark infilled micro-fractures. Consolidated angular quartz fragments in a buff matrix-cement. 94.0 to 95.4 - brown, fine grain siltstone. Tiny mafic clasts imbedded in core.							
95.4	101.26	Quartzite	Coarse grain massive grey quartzite. PBQZ with with white quartz pebbles to 1cm Sharp contact with underlying green quartzite. Bedding 75deg to LCA.							
101.26	109.2	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional fine grain section. Numerous narrow dark bands. 75deg to LCA. Trace pyrite with banding. Good quality core. Fine grain sections occur between and associated with dark bands. Smokey quartz grains in bands							
109.2	160.0	Quartzite	Medium to coarse grain, green arkosic quartzite. Good quality core. Numerous dark mineralized bands. Increase in minor PBQZ to bottom of section. Bedding 75deg to LCA							
160.0	164.3	Quartzite	Fine to medium grain, green arkosic quartzite. Sections of core are fine grain with minor fracturing containing dark staining. Slightly brecciated section. Occasional PBQZ section and dark band with trace pyrite.							

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From/De	To/À						From/De	To/À		
164.3	189.0	Quartzite	Medium to coarse grain, green arkosic quartzite. Numerous narrow dark bands with trace pyrite. Occasional white quartz clast. Good quality core.							
189.0	201.86	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional white 1cm quartz pebble. Dark banding and PBQZ beds (5 to 10cm wide) Loosely packed with <1% pyrite.							
201.86	202.04	PBQZ	Loosely packed PBQZ to QPC. Pea-sized mix of smokey quartz and mafic pebble <1% pyrite. Scint cnt - 500cps							
202.04	202.60	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional white quartz clast <1% pyrite.							
202.60	203.00	PBQZ	Loosely packed QPC. 20% pebble content to 1cm. Better packing at top. 2 to 5% pyrite. 700 cps and 300 cps at bottom							
203.00	204.00	Quartzite	Medium to coarse grain green arkosic quartzite. Occasional quartz clast. <1% pyrite.							
204.00	204.46	PBQZ	Loosely packed QPC. Mix of smokey and white pebbles. 10% pebble content. 5% pyrite mixed with pebble bands. <1% pyrite overall. 300 to 700 cps on scint.							
204.46	212.36	PBQZ/Quartzite	HW quartzite and PBQZ "floater" beds in medium to coarse grain, green arkosic groundmass. 206.0 to 206.54 - PBQZ pea-sized pebbles <10% content (300cps on scint) 207.4 to 207.55 - QPC, loosely packed 15% pebble content to 1cm. 2% pyrite (550 cps). 208.58 to 208.9 - loosely packed QPC. 20% pebble content. (350cps) 209.10 to 209.53 - loosely packed QPC. One good 5cm band with 5% pyrite (700cps) Generally <1% pyrite. 1cm pebbles Lower part of section is coarse grain with quartz clasts and dark bands.							

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Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
212.36	212.72	Quartzite	Medium to coarse grain, green arkosic quartzite. Occasional pea-sized white quartz clast and dark band. <1% pyrite.			01119	212.36	212.72	0.36m		
212.72	212.87	PBQZ Stat. HW Main	Loosely packed. 15% pebble content. Smokey quartz pebbles to 1cm. <1% pyrite. Sub-rounded pebbles.			01120	212.72	212.87	0.15m		
212.87	213.1	PBQZ	Coarse grain, green arkosic quartzite. Occasional quartz clast and dark stringer Smokey quartz grains and trace pyrite.			01121	212.87	213.1	0.23m		
213.1	213.38	Conglomerate HW Main	Loosely packed QPC. Couple of bands of pebbles with 20% content. Few pyrite stringers and pebbles to 1cm diam. Sub-rounded to angular.			01122	213.1	213.38	0.28m		
213.38	213.57	Conglomerate	Loosely packed QPC. 1 to 2% pyrite. Mix of smokey quartz and mafic pebbles and clasts. 15% pebble content.			01123	213.38	213.57	0.19m		
213.57	213.92	Conglomerate	Medium packed QPC. 50% pebble content to 2cm diam. Elongated. Quartz/chert/mafic mix. Up to 5% buckshot pyrite with finer detrital pyrite. Smokey.			01124	213.57	213.92	0.35m		
213.92	214.16	Conglomerate	Loosely packed QPC. 20% pebble content. Smokey quartz pebbles to 2cm. Occasional mafic clast - angular. Detrital pyrite to 5% concentrated at bottom.			01125	213.92	214.16	0.24m		
214.16	214.52	Conglomerate	Loosely packed QPC. Pebbles to 15%. (3cm diam) White quartz pebbles. Sub-rounded. 5% pyrite concentrated with pebbles.		Note tag change	01176	214.16	214.52	0.36m		
214.52	214.90	Conglomerate	Well packed QPC. 60% pebble content. 2cm diam pebbles. Occasional chert/mafic pebble. - angular. Heavy detrital pyrite to 25%			01177	214.52	214.90	0.38m		
214.90	215.05	Conglomerate	Loosely packed QPC. 20% angular pebbles to 2cm. 5% pyrite.			01178	214.90	215.05	0.15m		
215.05	215.31	Conglomerate	Medium packed QPC. 40% pebble content to 1cm diam. White and smokey peb. Yellowish sericitic matrix. 2% pyrite.			01179	215.05	215.31	0.26m		
215.31	215.64	Conglomerate	Well packed QPC. 60% pebble content to 4cm. Chert/quartz pebble mix. 20% detrital pyrite. - buckshot.			01180	215.31	215.64	0.33m		

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

"Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)"

"Site Web de la Section des terrains miniers : [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_f.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_f.asp)"





Drill Log  
Journal de forage

Footage/Avancement		Rock type / type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle * / Angle des caractéristiques planes	Core Specimen Footage / Longueur en pieds des carottes prélevées	Your Sample No./ N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds)		Sample Length / Longueur de l'échantillon	Assays / Analyses minéralurgiques	
From/De	To/À						From/De	To/À			
215.64	215.91	Quartzite	Coarse grain, green arkosic quartzite. Occasional quartz pebble and dark mineralized band. Trace pyrite. Light yellowish matrix.			01181	215.64	215.91	0.27m		
215.91	216.0	Conglomerate FW Main	Medium packed QPC. 50% pebble content to 1.5cm diam. Smokey quartz. 20% pyrite.			01182	215.91	216.0	0.09m		
216.0	217.9	Quartzite	Medium grain light green arkosic quartzite. Massive. <1% pyrite.			01183	216.0	217.9	1.9m		
217.9	220.67	Quartzite	Medium grain, green arkosic quartzite. 217 to 218.76 - 10cm, 4cm, 12cm sections of PBQZ with pea-sized pebbles. Smokey quartz and feldspar grains. Orange colour to grains. Slightly radioactive <1% pyrite. Unusual for FW quartzite to have these features.								
220.67	221.0	Quartzite	Medium grain light grey quartzite. Massive good quality core.								
221.0	22.15	Quartzite	Fine grain, dark green to black massive quartzite/greywacke. Much chlorite contamination. Core hard to scratch test. Slightly broken core. Gradational into lower volcanics. Not radioactive. Not a distinct unconformity.								
223.15	231.0	Volcanics Archean	Fine grain, dark green. Soft to scratch test. Quartz/carbonate veining. Sections with mottled carbonate crystals in dark chloritic matrix. Occasional bull quartz section with much pyrite. Not radioactive or magnetic. Core is darker and more homogenous and massive to bottom of hole.								
						Blank					
						Standard					
			EOH 231.0m			DL-1A					
						(0.0116% U)					

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. / \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

"Mining Lands Website: [http://www.mndm.gov.on.ca/mndm/mines/lands/default\\_e.asp](http://www.mndm.gov.on.ca/mndm/mines/lands/default_e.asp)"

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# **APPENDIX “C”**

## **Assay Certificates**

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A07 - 6467	3
A07 - 6602	3
A07 - 6603	3
A07 - 6694	3



## Certificate of Analysis

Work Order: 098940

To: Pele Mountain Resources  
Attn: Al Shefsky  
2200 Yonge St.  
Suite 905  
TORONTO  
ON M4S 2C6

Date: Apr 15, 2008

P.O. No. :  
Project No. : DEFAULT  
No. Of Samples 57  
Date Submitted Mar 13, 2008  
Report Compriſes Pages 1 to 5  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Return to client: 57 Pulps

Certified By :

Gavin McGill  
Operations Manager

**ISO 17025 Accredited for Specific Tests. SCC No. 456**

Report Footer:

L.N.R. = Listed not received  
n.a. = Not applicable

I.S. = Insufficient Sample  
-- = No result

\*INF = Composition of this sample makes detection Impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Subject to SGS General Terms and Conditions

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SGS Canada Inc. | Mineral Services 1885 Leslie Street Toronto ON M3B 2M3 t(416) 445-5755 f(416) 445-4152 www.sgs.com



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Element Method Det.Lim. Units	Au FAI303 1 PPB	Y IMS95R 0.5 PPM	Ce IMS95R 0.1 PPM	Dy IMS95R 0.05 PPM	Er IMS95R 0.05 PPM	Eu IMS95R 0.05 PPM	Gd IMS95R 0.05 PPM	Ho IMS95R 0.05 PPM	La IMS95R 0.1 PPM	Lu IMS95R 0.05 PPM
138751	19	26.6	277	6.60	2.54	0.89	11.5	1.08	156	0.37
138752	50	61.8	559	17.4	6.57	2.34	30.4	2.80	283	0.86
138753	178	77.8	805	20.1	7.90	2.45	34.9	3.30	449	1.01
138754	49	23.2	234	6.04	2.31	0.93	10.7	0.99	134	0.30
138755	6	32.4	92.5	6.54	3.16	1.31	7.19	1.21	52.5	0.42
138756	18	35.7	495	9.82	3.71	1.57	19.7	1.56	267	0.50
138757	23	95.2	1010	21.8	8.80	2.47	40.6	3.64	570	0.95
138758	45	105	1050	26.2	10.3	3.38	46.1	4.36	560	1.07
138759	17	80.8	662	15.8	7.46	1.75	28.2	2.94	371	0.82
138760	38	75.3	726	18.5	7.09	2.58	34.6	3.08	387	0.79
138761	6	14.3	70.2	2.52	1.15	0.93	3.99	0.47	37.8	0.22
138762	7	11.9	7.4	2.72	1.17	0.45	2.74	0.51	0.6	0.18
138763	10	45.8	21.6	11.3	5.26	1.59	10.8	2.10	8.6	0.52
138764	25	70.0	64.3	15.2	7.24	2.31	14.3	2.79	28.3	1.16
138765	18	17.0	214	3.52	1.60	0.59	7.34	0.62	121	0.24
138766	28	102	779	26.7	10.9	2.73	40.2	4.62	421	1.36
138767	38	98.0	817	24.7	9.92	3.03	39.4	4.13	439	1.01
138768	9	12.6	153	2.78	1.06	0.47	5.43	0.47	87.9	0.19
138769	38	159	1160	40.3	17.3	4.47	61.1	7.01	634	1.74
138770	49	49.9	693	14.1	4.88	2.34	29.4	2.19	369	0.56
138771	5	8.5	54.7	1.48	0.77	0.30	2.14	0.31	30.6	0.95
138772	39	188	1920	47.7	18.5	4.92	85.9	7.92	998	1.95
138773	12	64.9	252	17.9	8.05	2.26	19.8	3.11	120	0.90
138774	8	12.4	84.7	2.64	1.13	0.50	3.88	0.49	49.9	0.19
138775	26	104	1200	25.5	9.82	3.67	50.4	4.15	626	0.96
138776	36	99.7	1450	23.8	9.32	3.95	57.3	3.80	754	1.02
138777	13	44.2	571	10.1	4.07	1.56	21.8	1.72	320	0.52
138778	34	166	2200	41.4	15.9	5.52	89.5	6.88	1180	1.56
138779	46	136	1690	28.8	12.8	4.11	62.1	5.03	945	1.41
138780	15	36.4	328	7.34	3.43	1.01	12.1	1.36	217	0.47
138781	24	61.2	296	13.2	6.18	2.97	15.3	2.44	153	0.75
138782	14	90.9	57.5	22.5	9.53	4.39	24.0	3.97	14.4	0.87
138783	18	80.5	897	18.3	7.12	2.68	36.5	3.12	493	0.78
138784	52	175	961	44.5	18.8	5.13	60.2	7.70	489	2.09
138785	7	12.0	87.4	2.46	1.20	0.39	3.44	0.46	46.8	0.20
138786	24	134	1210	33.6	12.9	4.54	57.0	5.41	606	1.20
138787	13	53.8	699	11.8	4.44	1.99	26.1	2.02	393	0.53
138788	32	104	882	27.2	10.9	3.45	44.3	4.50	449	1.12
138789	10	59.2	498	13.2	5.75	1.39	21.5	2.31	279	0.66
138790	25	98.7	1290	24.8	9.62	3.04	49.8	3.98	694	1.02
138791	45	86.8	797	22.0	8.96	2.50	37.2	3.69	431	0.93
138792	14	35.5	608	9.09	3.30	1.66	21.4	1.45	333	0.36
138793	15	98.1	1520	26.0	8.71	5.13	61.4	4.09	786	0.83
138794	13	57.0	692	14.4	5.27	1.86	28.4	2.32	370	0.56
138795	20	72.9	953	16.2	6.57	2.32	35.0	2.78	496	0.77
138796	8	27.7	323	6.33	2.42	0.98	12.7	1.06	183	0.31
138797	29	92.1	863	21.4	8.56	2.58	38.0	3.61	453	0.99
138798	28	112	903	27.2	11.7	3.09	41.3	4.69	519	1.28

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Element	Au	Y	Ce	Dy	Er	Eu	Gd	Ho	La	Lu
Method	FAI303	IMS95R	IMS95R	IMS95R	IMS95R	IMS95R	IMS95R	IMS95R	IMS95R	IMS95R
Det.Lim.	1	0.5	0.1	0.05	0.05	0.05	0.05	0.05	0.1	0.05
Units	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
138799	17	95.3	988	22.0	9.28	2.61	40.4	3.76	553	1.08
138800	43	86.0	1150	21.0	8.35	3.03	43.1	3.47	617	0.85
138801	46	71.3	697	18.1	7.65	2.95	31.3	3.04	385	0.77
138802	7	20.4	198	4.53	1.91	0.61	7.88	0.80	114	0.27
138803	34	72.3	642	18.1	7.42	2.34	30.4	3.10	345	0.74
138804	8	15.5	123	3.23	1.47	0.51	5.03	0.60	67.8	0.25
138805	5	23.3	249	5.17	2.15	0.78	9.52	0.93	138	0.29
138806	35	146	1800	33.5	13.7	4.82	67.9	5.65	1030	1.51
138807	9	22.9	216	5.56	2.21	0.88	8.93	0.97	134	0.28
*Dup 138751	14	26.0	269	6.43	2.61	0.84	11.1	1.09	150	0.37
*Dup 138763	18	45.7	27.0	11.4	5.38	1.65	10.5	2.11	9.4	0.51
*Dup 138775	31	101	1140	25.4	9.43	3.69	50.1	4.08	599	0.92
*Dup 138787	I.S.	53.1	668	12.1	4.65	1.91	25.9	1.98	376	0.55
*Dup 138799	19	92.7	949	21.2	9.13	2.49	38.5	3.67	533	1.00

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Element Method Def.Lim. Units	Nd IMS95R 0.1 PPM	Pr IMS95R 0.05 PPM	Sm IMS95R 0.1 PPM	Tb IMS95R 0.05 PPM	Th IMS95R 0.1 PPM	Tm IMS95R 0.05 PPM	U IMS95R 0.05 PPM	Yb IMS95R 0.1 PPM
138751	89.3	27.7	15.1	1.57	138	0.36	161	2.2
138752	210	60.8	39.5	3.96	307	0.89	658	5.3
138753	262	80.4	44.7	4.51	412	1.07	504	6.4
138754	78.3	23.8	13.7	1.35	133	0.32	199	1.9
138755	27.7	8.82	5.6	1.21	183	0.44	104	2.7
138756	166	50.1	27.2	2.36	265	0.50	230	3.2
138757	316	98.3	51.0	5.02	500	1.13	300	7.1
138758	352	106	60.0	5.77	518	1.40	605	8.2
138759	217	67.0	35.0	3.52	340	1.00	194	6.0
138760	253	75.2	43.9	4.32	354	0.99	386	5.8
138761	27.7	7.43	4.8	0.56	25.3	0.18	24.3	1.3
138762	5.6	1.07	2.4	0.53	139	0.18	91.8	1.1
138763	17.8	3.40	8.5	2.12	509	0.74	763	4.3
138764	31.0	7.88	10.7	2.73	320	1.05	56.4	7.1
138765	65.5	21.0	9.8	0.87	97.5	0.21	47.2	1.4
138766	265	79.6	49.8	5.54	422	1.47	990	8.8
138767	280	83.3	49.9	5.15	406	1.33	785	7.9
138768	48.9	14.8	7.2	0.69	66.9	0.17	40.0	1.1
138769	390	117	73.7	8.62	608	2.24	1210	13.5
138770	234	71.9	39.7	3.50	320	0.68	408	3.9
138771	17.6	5.39	2.9	0.33	32.1	0.14	14.4	1.0
138772	649	193	113	10.6	>1000	2.41	1060	14.8
138773	102	28.6	23.6	3.35	263	1.20	1040	7.2
138774	27.5	8.36	4.7	0.57	51.2	0.17	48.8	1.1
138775	398	120	65.2	6.22	600	1.28	349	7.5
138776	504	148	79.1	5.98	667	1.23	474	7.5
138777	186	57.0	29.1	2.47	274	0.56	166	3.5
138778	737	224	118	10.2	>1000	2.05	704	12.6
138779	533	167	83.2	6.85	817	1.73	298	10.2
138780	92.3	29.9	15.2	1.60	152	0.51	133	3.1
138781	94.0	29.5	14.8	2.53	773	0.87	386	5.2
138782	44.5	9.11	19.5	4.22	682	1.29	917	7.2
138783	294	89.5	47.6	4.41	448	0.97	230	6.0
138784	341	99.8	71.3	8.89	587	2.68	1600	15.4
138785	28.3	8.55	4.6	0.50	46.8	0.18	64.9	1.3
138786	413	124	72.9	7.48	602	1.65	689	9.8
138787	232	71.3	36.3	2.92	332	0.65	86.6	3.9
138788	317	91.1	56.8	5.90	469	1.47	915	9.2
138789	161	49.2	27.5	2.94	283	0.80	276	4.8
138790	422	129	66.5	5.97	641	1.31	551	7.8
138791	277	82.5	46.6	4.78	383	1.22	566	6.9
138792	197	61.7	29.5	2.34	279	0.42	150	2.5
138793	530	156	87.4	6.79	725	1.09	271	6.2
138794	231	70.0	38.7	3.52	360	0.69	281	4.3
138795	303	94.3	47.5	3.90	474	0.91	256	5.5
138796	106	31.9	16.6	1.60	175	0.31	91.9	2.1
138797	288	86.4	49.3	4.70	491	1.19	398	7.5
138798	286	87.0	49.6	5.79	495	1.56	767	9.9

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Element	Nd	Pr	Sm	Tb	Th	Tm	U	Yb
Method	IMS95R	IMS95R	IMS95R	IMS95R	IMS95R	IMS95R	IMS95R	IMS95R
Det.Lim.	0.1	0.05	0.1	0.05	0.1	0.05	0.05	0.1
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
138799	324	98.9	51.0	5.08	548	1.28	319	7.5
138800	367	114	57.4	5.00	523	1.11	342	6.5
138801	232	70.2	39.5	3.97	309	1.05	583	6.0
138802	63.8	19.7	10.2	1.03	108	0.26	87.0	1.7
138803	216	65.1	38.4	3.99	355	0.98	514	5.8
138804	40.7	12.3	6.7	0.70	56.6	0.25	55.5	1.5
138805	80.1	24.6	12.6	1.22	130	0.32	74.4	2.0
138806	571	176	88.9	8.14	912	1.87	405	11.2
138807	63.9	20.2	11.0	1.29	105	0.33	149	2.0
*Dup 138751	85.4	26.4	14.4	1.53	138	0.34	151	2.2
*Dup 138763	19.5	3.84	8.7	2.08	526	0.76	774	4.3
*Dup 138775	388	116	64.4	6.03	605	1.21	370	7.2
*Dup 138787	221	67.0	35.1	2.89	321	0.63	84.4	3.9
*Dup 138799	307	94.2	48.4	4.83	507	1.22	295	7.3

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Quality Analysis ...



Innovative Technologies

Date Submitted: 09-Nov-07  
Invoice No.: A07-5704 (i) ✓  
Invoice Date: 29-Nov-07  
Your Reference:

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

36 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A07-5704 (i) -

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

### Notes:

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Eric Hoffman".

Eric Hoffman, Ph.D.  
President/General Manager

### ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or  
+1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [ancaster@actlabsint.com](mailto:ancaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
00901	129	1.026
00902	298	1.077
00903	584	1.059
00904	405	1.074
00905	75.5	1.083
00906	205	1.002
00907	319	1.055
00908	20.1	1.054
00909	622	1.023
00910	25.0	1.052
00911	73.0	1.078
00912	10.0	1.053
00913	121	1.066
00914	11.3	1.066
00915	13.4	1.062
00916	1.7	1.067
00917	1.2	1.083
00918	985	1.018
00919	85.7	1.025
00920	134	1.089
00921	140	1.089
00922	31.0	1.048
00923	218	1.051
00924	189	1.072
00925	181	1.034
00926	503	1.061
00927	310	1.040
00928	599	1.017
00929	81.5	1.032
00930	184	1.081
00931	13.4	1.081
00932	96.8	1.039
00933	78.5	1.079
00934	6.5	1.069
00935	2.0	1.082
00936	999	1.012

Quality Control		
Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC

DH-1a Meas	2830	
DH-1a Cert	2830	
DH-1a Meas	2820	
DH-1a Cert	2830	
SY-2 Meas	284	
SY-2 Cert	284	
SY-2 Meas	281	
SY-2 Cert	284	
BL-4a Meas	1270	
BL-4a Cert	1250	
BL-4a Meas	1280	
BL-4a Cert	1250	
00930 Spilt	190	1.091
00935 Spilt	2.0	1.058
Method Blank Method Blank	< 0.1	1.000
Method Blank Method Blank	< 0.1	1.000

Quality Analysis ...



Innovative Technologies

Date Submitted: 13-Nov-07

Invoice No.: A07-5804

Invoice Date: 05-Dec-07

Your Reference:

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

67 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A07-5804

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### Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3  
We recommend using option 4B1 for accurate levels of the base metals Cu, Pb, Zn, Ni and Ag.  
Option 4B-INAA for As, Sb, high W >100ppm, Cr >1000ppm and Sn >50ppm by Code 5D.  
Values for these elements provided by Fusion ICP/MS, are order of magnitude only and are provided for general information. Mineralized samples should have the Quant option selected or request assays for values which exceed the range of option 4B1.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Eric Hoffman". The signature is written in a cursive, flowing style.

Eric Hoffman, Ph.D.  
President/General Manager

### ACTIVATION LABORATORIES LTD.

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+1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [ancaster@actlabsint.com](mailto:ancaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
00937	43.2	1.005
00938	218	1.038
00939	24.4	1.067
00940	277	1.069
00941	157	1.059
00942	515	1.053
00943	187	1.012
00944	318	1.031
00945	571	1.073
00946	240	1.054
00947	24.8	1.083
00948	680	1.012
00949	18.8	1.043
00950	6.0	1.089
00951	1050	1.057
00952	52.8	1.034
00953	182	1.021
00954	201	1.040
00955	188	1.057
00956	431	1.064
00957	509	1.024
00958	427	1.058
00959	378	1.072
00960	209	1.057
00961	60.8	1.001
00962	390	1.003
00963	220	1.038
00964	22.0	1.039
00965	8.1	1.021
00966	2.7	1.077
00967	1040	1.031
00968	30.6	1.051
00969	147	1.038
00970	30.8	1.019
00971	46.9	1.068
00972	89.8	1.046
00973	403	1.018
00974	739	1.042
00975	320	1.073
00976	284	1.048
00977	68.7	1.055
00978	1890	1.064
00979	789	1.067
00980	575	1.075
00981	575	1.057
00982	17.9	1.088
00983	16.0	1.022
00984	31.7	1.069
00985	18.7	1.083
00986	59.4	1.068
00987	4.8	1.024
00988	1010	1.052

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
00989	45.2	1.028
00990	187	1.075
00991	11.8	1.030
00992	228	1.018
00993	584	1.054
00994	931	1.038
00995	413	1.036
00996	749	1.054
00997	340	1.044
00998	136	1.039
00999	751	1.036
01000	18.0	1.039
01001	15.9	1.077
01002	3.6	1.025
01003	1020	1.045

Quality Control		
Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
DH-1a Meas	2620	
DH-1a Cert	2630	
DH-1a Meas	2630	
DH-1a Cert	2630	
SY-2 Meas	283	
SY-2 Cert	284	
SY-2 Meas	278	
SY-2 Cert	284	
SY-2 Meas	279	
SY-2 Cert	284	
BL-4a Meas	1250	
BL-4a Cert	1250	
BL-4a Meas	1280	
BL-4a Cert	1250	
00988 Spill	2.5	1.042
00988 Spill	50.4	1.031
00988 Spill	728	1.042
01002 Spill	4.1	1.087
Method Blank Method	< 0.1	1.000
Blank		

Quality Analysis ...



Innovative Technologies

Date Submitted: 22-Nov-07

Invoice No.: A07-6035

Invoice Date: 06-Dec-07

Your Reference:

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

34 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A07-6035

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

### Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3  
We recommend using option 4B1 for accurate levels of the base metals Cu, Pb, Zn, Ni and Ag.  
Option 4B-INAA for As, Sb, high W >100ppm, Cr >1000ppm and Sn >50ppm by Code 5D.  
Values for these elements provided by Fusion ICP/MS, are order of magnitude only and are provided for general information. Mineralized samples should have the Quant option selected or request assays for values which exceed the range of option 4B1.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Eric Hoffman".

Eric Hoffman, Ph.D.  
President/General Manager

ACTIVATION LABORATORIES LTD.

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Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
01004	36.6	1.067
01005	208	1.072
01006	20.7	1.052
01007	140	1.087
01008	145	1.052
01009	8.6	1.004
01010	564	1.086
01011	138	1.039
01012	60.7	1.073
01013	1160	1.038
01014	710	1.080
01015	414	1.058
01016	401	1.037
01017	12.5	1.046
01018	7.0	1.088
01019	1020	1.005
01020	105	1.019
01021	25.7	1.007
01022	245	1.040
01023	95.2	1.043
01024	1030	1.030
01025	1470	1.050
01026	248	1.037
01027	290	1.002
01028	1220	1.014
01029	27.5	1.072
01030	78.8	1.010
01031	983	1.071
01032	50.1	1.071
01033	290	1.086
01034	298	1.074
01035	137	1.041
01036	8.0	1.049
01037	1020	1.039

**Quality Control**

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC

DH-1a Meas	2650	
DH-1a Cert	2630	
DH-1a Meas	2560	
DH-1a Cert	2630	
SY-2 Meas	282	
SY-2 Cert	284	
SY-2 Meas	288	
SY-2 Cert	284	
BL-4a Meas	1280	
BL-4a Cert	1250	
01033 Split	292	1.045
01036 Split	7.9	1.084
Method Blank Method	< 0.1	1.000
Blank		

Quality Analysis ...



Innovative Technologies

Date Submitted: 03-Dec-07

Invoice No.: A07-6235

Invoice Date: 06-Dec-07

Your Reference:

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

25 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A07-6235

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Notes:

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Eric Hoffman". The signature is written in a cursive style and is positioned above a horizontal line.

Eric Hoffman, Ph.D.  
President/General Manager

ACTIVATION LABORATORIES LTD.

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E-MAIL [ancaster@actlabsint.com](mailto:ancaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
01088	10.3	1.057
01089	183	1.084
01090	270	1.073
01091	31.0	1.040
01092	44.5	1.018
01093	63.3	1.082
01094	48.1	1.038
01095	157	1.054
01096	95.5	1.087
01097	128	1.082
01098	352	1.083
01099	54.6	1.082
01100	382	1.049
01126	57.0	1.035
01127	119	1.002
01128	368	1.029
01129	924	1.042
01130	13.8	1.041
01131	14.8	1.018
01132	86.4	1.082
01133	14.8	1.029
01134	31.5	1.038
01135	31.8	1.073
01136	1.8	1.005
01137	1000	1.058

Quality Control		
Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC

DH-1a Meas	2050	
DH-1a Cert	2830	
DH-1a Meas	2500	
DH-1a Cert	2830	
SY-2 Meas	282	
SY-2 Cert	284	
SY-2 Meas	288	
SY-2 Cert	284	
BL-4a Meas	1280	
BL-4a Cert	1250	
Method Blank Method	< 0.1	1.000
Blank		

Quality Analysis ...



Innovative Technologies

Date Submitted: 04-Dec-07  
Invoice No.: A07-6283  
Invoice Date: 18-Dec-07  
Your Reference: PELE MOUNTAIN RESOURCE

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

47 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A07-6283

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Notes:

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "C. Douglas Read". The signature is written in a cursive style and is positioned above a horizontal line.

C. Douglas Read, B.Sc.  
Laboratory Manager

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or  
+1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [ancaster@actlabsint.com](mailto:ancaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
01038	353	1.013
01039	279	1.095
01040	83.2	0.912
01041	124	1.086
01042	40.0	1.040
01043	413	1.072
01044	98.4	1.024
01045	64.8	1.079
01046	72.8	0.998
01047	156	0.982
01048	64.8	0.937
01049	154	0.986
01050	441	0.933
01051	158	0.997
01052	1040	1.029
01053	712	1.078
01054	388	1.003
01055	113	0.972
01056	191	1.072
01057	34.1	0.924
01058	455	1.004
01059	130	1.045
01066	5.4	0.956
01062	1010	0.949
01066	414	1.040
01067	73.9	0.925
01068	603	0.953
01069	107	1.000
01070	261	0.932
01071	22.8	1.042
01072	351	1.025
01073	697	1.042
01074	78.4	1.087
01075	282	1.081
01076	267	1.030
01077	1070	0.956
01078	521	1.059
01079	1220	1.055
01080	138	1.036
01081	741	0.970
01082	788	1.089
01083	197	0.949
01084	97.4	1.039
01085	31.2	0.998
01086	6.2	1.081
01081	2820	1.048
01087	995	0.901

**Quality Control**

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC

DH-1a Meas	2980	
DH-1a Cert	2630	
DH-1a Meas	2610	
DH-1a Cert	2630	
SY-2 Meas	285	
SY-2 Cert	284	
SY-2 Meas	288	
SY-2 Cert	284	
BL-4a Meas	1270	
BL-4a Cert	1250	
BL-4a Meas	1270	
BL-4a Cert	1250	
01071 Split	22.1	0.020
01087 Split	991	1.018
Method Blank Method	< 0.1	1.000
Blank		



Quality Analysis ...



Innovative Technologies

Date Submitted: 12-Dec-07  
Invoice No.: A07-6467  
Invoice Date: 18-Dec-07  
Your Reference: PELE MOUNTAIN RESOURCE

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

29 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A07-6467

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Notes:

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "C. Douglas Read". The signature is written in a cursive, flowing style.

C. Douglas Read, B.Sc.  
Laboratory Manager

ACTIVATION LABORATORIES LTD.

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+1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [ancaster@actlabsint.com](mailto:ancaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
01138	221	1.011
01139	23.6	1.077
01140	129	1.087
01141	88.4	1.047
01142	17.5	1.018
01143	155	1.037
01144	51.4	1.003
01145	109	1.017
01148	39.2	1.086
01147	435	1.023
01148	43.3	1.018
01149	64.3	1.045
01150	16.0	1.053
01151	448	1.042
01152	26.8	1.088
01153	499	1.099
01154	828	1.088
01155	400	1.089
01156	541	1.078
01157	583	1.075
01158	47.8	1.005
01159	1640	1.048
01160	37.9	1.080
01161	12.9	1.049
01162	13.2	1.090
01163	61.8	1.092
01164	51.5	1.015
01165	3.9	1.050
01166	992	1.008

Quality Control		
Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
DH-1a Meas	2880	
DH-1a Cert	2830	
DH-1a Meas	2810	
DH-1a Cert	2830	
SY-2 Meas	285	
SY-2 Cert	284	
SY-2 Meas	288	
SY-2 Cert	284	
BL-4a Meas	1270	
BL-4a Cert	1250	
BL-4a Meas	1270	
BL-4a Cert	1250	
01165 Split	3.8	1.071
Method Blank Method	< 0.1	1,000
Blank		

Quality Analysis ...



Innovative Technologies

Date Submitted: 18-Dec-07  
Invoice No.: A07-6602  
Invoice Date: 22-Jan-08  
Your Reference: PELE MOUNTAIN RESOURCE

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Marla Bennett

## CERTIFICATE OF ANALYSIS

22 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A07-6602

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Notes:

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "C. Douglas Read". The signature is written in a cursive style and is positioned above a horizontal line.

C. Douglas Read, B.Sc.  
Laboratory Manager

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or  
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E-MAIL [ancaster@actlabsint.com](mailto:ancaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
01172	44.2	1.029
01173	88.8	1.001
01174	133	1.002
01175	14.5	1.081
01101	317	1.054
01102	182	1.057
01103	22.8	1.000
01104	405	1.002
01105	415	1.022
01106	77.7	1.087
01107	788	1.013
01108	381	1.050
01109	257	1.047
01110	14.4	1.013
01111	1260	1.047
01112	14.4	1.025
01113	11.5	1.024
01114	1380	1.011
01115	8.8	1.078
01116	3.2	1.083
01117	2.7	1.003
01118	119	1.082

**Quality Control**

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
DH-1a Meas	2650	
DH-1a Cert	2630	
DH-1a Meas	2600	
DH-1a Cert	2630	
SY-2 Meas	283	
SY-2 Cert	284	
SY-2 Meas	287	
SY-2 Cert	284	
BL-4a Meas	1260	
BL-4a Cert	1250	
BL-4a Meas	1240	
BL-4a Cert	1250	
Method Blank Method	< 0.1	1.000
Blank		

Quality Analysis ...



Innovative Technologies

Date Submitted: 18-Dec-07  
Invoice No.: A07-6603  
Invoice Date: 22-Jan-08  
Your Reference: PELE MOUNTAIN RESOURCE

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

5 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A07-6603

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Notes:

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "C. Douglas Read". The signature is written in a cursive, flowing style.

C. Douglas Read, B.Sc.  
Laboratory Manager

ACTIVATION LABORATORIES LTD.

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E-MAIL [ancaster@actlabsintl.com](mailto:ancaster@actlabsintl.com) ACTLABS GROUP WEBSITE <http://www.actlabsintl.com>

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
01107	25.2	1.087
01168	25.3	1.028
01169	10.4	1.020
01170	33.2	1.087
01171	22.6	1.054



**Quality Control**

<b>Analyte Symbol</b>	U	Mass
<b>Unit Symbol</b>	ppm	g
<b>Detection Limit</b>	0.1	
<b>Analysis Method</b>	DNC	DNC

DH-1a Meas	2850	
DH-1a Cert	2830	
SY-2 Meas	283	
SY-2 Cert	284	
BL-4a Meas	1260	
BL-4a Cert	1250	
01171 PULP DUP Split	23.5	1.081
Method Blank Method	< 0.1	1.000
Blank		

Quality Analysis ...



Innovative Technologies

Date Submitted: 27-Dec-07  
Invoice No.: A07-6694  
Invoice Date: 14-Jan-08  
Your Reference: Pele Mountain Res. Hole# PM72

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

17 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A07-6694

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### Notes:

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "C. Douglas Read". The signature is written in a cursive, flowing style.

C. Douglas Read, B.Sc.  
Laboratory Manager

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or  
+1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [ancaster@actlabsint.com](mailto:ancaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Activation Laboratories Ltd. Report:

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
01119	26.0	1.037
01120	274	1.028
01121	59.5	1.037
01122	334	1.013
01123	343	1.041
01124	642	1.049
01125	520	1.031
01176	395	1.074
01177	1100	1.065
01178	403	1.050
01179	565	1.082
01180	554	1.046
01181	135	1.089
01182	1390	1.042
01183	28.4	1.052
01184	7.3	1.054
01185	118	1.079

**Quality Control**

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC

DH-1a Meas	2650	
DH-1a Cert	2630	
DH-1a Meas	2610	
DH-1a Cert	2630	
SY-2 Meas	285	
SY-2 Cert	284	
SY-2 Meas	280	
SY-2 Cert	284	
Method Blank Method	< 0.1	1.000
Blank		

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Quality Analysis ...



Innovative Technologies

Date Submitted: 24-Jan-08  
Invoice No.: A08-0354  
Invoice Date: 04-Feb-08  
Your Reference: PELE MOUNTAIN RESOURCE

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

49 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A08-0354

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Notes:

CERTIFIED BY :

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C. Douglas Read, B.Sc.  
Laboratory Manager

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or  
+1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [ancaster@actlabsint.com](mailto:ancaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
1225	552	0.051
1228	151	1.023
1227	276	0.076
1228	250	0.013
1229	649	0.036
1230	149	1.033
1231	137	1.022
1232	85.3	0.073
1233	255	0.000
1234	271	1.058
1235	104	1.048
1236	109	0.088
1237	340	0.090
1238	818	1.000
1239	127	0.079
1240	114	1.040
1241	57.8	1.029
1242	218	0.055
1243	31.0	1.050
1244	155	0.064
1245	33.0	0.070
1246	138	1.040
1247	10.1	1.041
1248	447	1.021
1249	21.8	0.075
1250	101	0.040
1251	427	1.004
1252	435	1.038
1253	454	1.000
1254	10.0	1.030
1255	802	1.053
1256	947	1.000
1257	826	1.058
1258	1370	1.050
1259	133	1.082
1260	117	1.082
1261	507	1.020
1262	23.0	1.000
1263	250	1.025
1264	278	1.030
1265	006	0.030
1266	03.0	0.000
1267	115	1.005
1268	142	1.006
1269	122	1.002
1270	5.0	1.059
1271	243	1.057
1272	0.4	1.100
1273	2.3	0.051

**Quality Control**

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC

DH-1a Moas	2890	
DH-1a Cert	2830	
DH-1a Moas	2850	
DH-1a Cert	2830	
SY-2 Moas	283	
SY-2 Cert	284	
SY-2 Moas	283	
SY-2 Cert	284	
SY-2 Moas	285	
SY-2 Cert	284	
BL-4a Moas	1280	
BL-4a Cert	1250	
BL-4a Moas	1250	
BL-4a Cert	1250	
1254 PULP DUP Spill	18.6	1.033
1273 PULP DUP Spill	2.4	1.083
Method Blank Method	< 0.1	1.000
Blank		



Quality Analysis ...



Innovative Technologies

Date Submitted: 24-Jan-08  
Invoice No.: A08-0356  
Invoice Date: 04-Feb-08  
Your Reference: PELE MOUNTAIN RESOURCE

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

38 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A08-0356

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### Notes:

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "C. Douglas Read". The signature is written in a cursive style and is positioned above a horizontal line.

C. Douglas Read, B.Sc.  
Laboratory Manager

ACTIVATION LABORATORIES LTD.

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
1274	262	1.020
1275	185	0.948
1278	104	1.090
1277	208	1.030
1278	97.5	1.008
1270	206	1.090
1280	144	1.025
1281	213	1.074
1282	105	1.029
1283	380	0.954
1284	380	0.991
1285	188	1.053
1288	210	0.917
1287	35.4	1.028
1288	288	1.088
1289	553	1.094
1290	177	1.006
1291	97.9	1.092
1292	143	1.094
1293	37.5	1.055
1294	283	1.013
1295	40.4	1.020
1298	277	1.075
1297	379	1.083
1298	252	0.980
1299	459	1.098
1300	228	1.022
1301	173	0.902
1302	404	1.022
1303	136	0.879
1304	245	0.954
1305	46.3	1.080
1308	440	1.080
1307	731	0.949
1308	1550	1.090
1309	12.2	0.937
1310	119	1.013
1311	777	0.954

**Quality Control**

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC

DH-1a Meas	2680	
DH-1a Cort	2630	
DH-1a Meas	2650	
DH-1a Cort	2630	
SY-2 Meas	283	
SY-2 Cort	284	
SY-2 Meas	283	
SY-2 Cort	284	
SY-2 Meas	285	
SY-2 Cort	284	
BL-4a Meas	1280	
BL-4a Cort	1250	
BL-4a Meas	1250	
BL-4a Cort	1250	
1303 PULP DUP Split	140	0.925
1311 PULP DUP Split	781	0.902
Method Blank Method	< 0.1	1.000
Blank		

Quality Analysis ...



Innovative Technologies

Date Submitted: 15-Jan-08  
Invoice No.: A08-0187  
Invoice Date: 22-Jan-08  
Your Reference: PELE MOUNTAIN RESOURCE

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

39 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A08-0187

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Notes:

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "C. Douglas Read". The signature is written in a cursive style and is positioned above a horizontal line.

C. Douglas Read, B.Sc.  
Laboratory Manager

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or  
+1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [ancaster@actlabsint.com](mailto:ancaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
01186	178	1.073
01187	82.8	1.028
01188	1350	1.079
01189	100	1.083
01190	482	1.085
01191	79.0	1.073
01192	187	1.032
01193	191	1.031
01194	140	1.045
01195	83.8	1.037
01196	101	1.082
01197	84.8	1.064
01198	8.2	1.052
01199	121	1.047
01200	301	1.055
01201	82.4	1.039
01202	131	1.040
01203	578	1.033
01204	347	1.003
01205	294	1.072
01206	80.4	1.079
01207	448	1.097
01208	2100	1.020
01209	868	1.014
01210	587	1.058
01211	17.2	1.013
01212	14.8	1.041
01213	8.8	1.058
01214	277	1.033
01215	77.7	1.007
01216	68.8	1.080
01217	141	1.021
01218	52.9	1.091
01219	34.7	1.087
01220	2500	1.082
01221	181	1.032
01222	18.6	1.085
01223	114	1.081
01224	4.9	1.035

**Quality Control**

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC

DH-1a Meas	2830	
DH-1a Cert	2830	
DH-1a Meas	2850	
DH-1a Cert	2830	
SY-2 Meas	283	
SY-2 Cert	284	
SY-2 Meas	284	
SY-2 Cert	284	
BL-4a Meas	1270	
BL-4a Cert	1250	
BL-4a Meas	1280	
BL-4a Cert	1250	
Method Blank Method	< 0.1	1.000
Blank		

Quality Analysis ...



Innovative Technologies

Date Submitted: 24-Jan-08  
Invoice No.: A08-0354  
Invoice Date: 04-Feb-08  
Your Reference: PELE MOUNTAIN RESOURCE

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

49 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A08-0354

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### Notes:

CERTIFIED BY :

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C. Douglas Read, B.Sc.  
Laboratory Manager

ACTIVATION LABORATORIES LTD.

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E-MAIL [encaster@actlabsint.com](mailto:encaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
1225	552	0.951
1228	151	1.023
1227	270	0.978
1228	250	0.913
1229	649	0.936
1230	148	1.033
1231	137	1.022
1232	85.3	0.973
1233	255	0.996
1234	271	1.058
1235	184	1.048
1236	160	0.988
1237	340	0.996
1238	618	1.009
1239	127	0.979
1240	114	1.040
1241	57.8	1.028
1242	218	0.955
1243	31.6	1.056
1244	155	0.984
1245	33.0	0.970
1246	138	1.046
1247	16.1	1.041
1248	447	1.021
1249	21.8	0.975
1250	101	0.946
1251	427	1.004
1252	435	1.038
1253	454	1.006
1254	19.8	1.038
1255	882	1.053
1256	947	1.009
1257	629	1.058
1258	1370	1.059
1259	133	1.082
1260	117	1.062
1261	587	1.029
1262	23.6	1.069
1263	256	1.025
1264	278	1.030
1265	909	0.939
1266	93.9	0.968
1267	115	1.005
1268	142	1.088
1269	122	1.002
1270	5.8	1.059
1271	243	1.057
1272	9.4	1.100
1273	2.3	0.951



**Quality Control**

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC

DH-1a Meas	2680	
DH-1a Cert	2630	
DH-1a Meas	2650	
DH-1a Cert	2630	
SY-2 Meas	283	
SY-2 Cert	284	
SY-2 Meas	283	
SY-2 Cert	284	
SY-2 Meas	285	
SY-2 Cert	284	
BL-4a Meas	1280	
BL-4a Cert	1250	
BL-4a Meas	1250	
BL-4a Cert	1250	
1254 PULP DUP Spill	19.8	1.033
1273 PULP DUP Spill	2.4	1.083
Method Blank Method Blank	< 0.1	1.000

Quality Analysis ...



Innovative Technologies

Date Submitted: 29-Jan-08

Invoice No.: A08-0425

Invoice Date: 11-Feb-08

Your Reference: PM 76

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

24 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A08-0425

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### Notes:

CERTIFIED BY :

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C. Douglas Read, B.Sc.  
Laboratory Manager

ACTIVATION LABORATORIES LTD.

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+1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [ancaster@actlabsint.com](mailto:ancaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
1312	79.2	0.888
1313	284	0.980
1314	65.1	1.008
1315	253	0.979
1316	280	0.918
1317	437	1.048
1318	237	1.010
1319	877	1.089
1320	777	1.091
1321	134	0.999
1322	2300	1.097
1323	898	1.051
1324	498	0.993
1325	51.7	1.093
1326	17.4	1.059
1327	117	1.085
1328	74.8	0.914
1329	28.7	1.008
1330	418	0.929
1331	28.1	1.081
1332	150	1.015
1333	17.8	0.953
1334	49.8	0.935
1335	125	0.903

**Quality Control**

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC

DH-1a Meas	2830	
DH-1a Cert	2830	
DH-1a Meas	2820	
DH-1a Cert	2830	
SY-2 Meas	280	
SY-2 Cert	284	
SY-2 Meas	282	
SY-2 Cert	284	
BL-4a Meas	1270	
BL-4a Cert	1250	
BL-4a Meas	1260	
BL-4a Cert	1250	
1333 Split	22.5	0.942
Method Blank Method	< 0.1	1.000
Blank		

Quality Analysis ...



Innovative Technologies

Date Submitted: 04-Feb-08  
Invoice No.: A08-0537  
Invoice Date: 18-Feb-08  
Your Reference: PELE MOUNTAIN RESOURCE

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

21 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A08-0537

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### Notes:

CERTIFIED BY :

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C. Douglas Read, B.Sc.  
Laboratory Manager

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or  
+1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [ancaster@actlabsintl.com](mailto:ancaster@actlabsintl.com) ACTLABS GROUP WEBSITE <http://www.actlabsintl.com>

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
01336	54.2	1.084
01337	55.0	1.087
01338	165	1.031
01339	75.0	1.086
01340	404	1.072
01341	352	1.059
01342	500	1.011
01343	127	1.079
01344	6.2	1.011
01345	735	1.065
01346	620	1.022
01347	803	1.088
01348	141	1.011
01349	301	1.075
01350	54.4	1.032
01351	15.2	1.082
01352	54.6	1.030
01353	2700	1.078
01354	28.3	1.076
01355	4.3	1.080
01356	120	1.029

**Quality Control**

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
DH-1a Meas	2810	
DH-1a Cert	2830	
DH-1a Meas	2840	
DH-1a Cert	2830	
SY-2 Meas	282	
SY-2 Cert	284	
SY-2 Meas	285	
SY-2 Cert	284	
01355 Split	4.8	1.088
Method Blank Method	< 0.1	1.000
Blank		

Quality Analysis ...



Innovative Technologies

Date Submitted: 12-Feb-08  
Invoice No.: A08-0673  
Invoice Date: 25-Feb-08  
Your Reference: PM 79

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

21 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A08-0673

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### Notes:

CERTIFIED BY :

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C. Douglas Read, B.Sc.  
Laboratory Manager

ACTIVATION LABORATORIES LTD.

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+1.888.228.5227 FAX +1.905.648.9513  
E-MAIL [ancaster@actlabsint.com](mailto:ancaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>



Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
01382	34.1	1.089
01383	110	1.093
01384	248	1.075
01385	81.1	1.080
01386	171	1.033
01387	54.2	1.058
01388	6.1	1.068
01389	273	1.074
01390	382	1.065
01391	39.2	1.059
01392	1820	1.027
01393	945	1.000
01394	1080	1.008
01395	1330	1.078
01396	472	1.030
01397	245	1.082
01398	15.9	1.093
01399	13.2	1.082
01400	10.5	1.050
01401	2.9	1.054
01402	117	1.010

**Quality Control**

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
DH-1a Moas	2610	
DH-1a Cert	2830	
DH-1a Moas	2810	
DH-1a Cert	2930	
SY-2 Moas	283	
SY-2 Cert	284	
SY-2 Moas	283	
SY-2 Cert	284	
BL-4a Moas	1280	
BL-4a Cert	1250	
01401 Split	2.0	1.000
Method Blank Method	< 0.1	1.000
Blank		

Quality Analysis ...



Innovative Technologies

Date Submitted: 12-Feb-08  
Invoice No.: A08-0672  
Invoice Date: 03-Mar-08  
Your Reference: PM 78

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

25 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A08-0672

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### Notes:

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "C. Douglas Read". The signature is written in a cursive style and is positioned above a horizontal line.

C. Douglas Read, B.Sc.  
Laboratory Manager

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9511 or  
+1.888.228.5227 FAX +1.905.648.9513  
E-MAIL [ancaster@actlabsintl.com](mailto:ancaster@actlabsintl.com) ACTLABS GROUP WEBSITE <http://www.actlabsintl.com>

Analyte Symbol	U	Mass
Unit Symbol	ppm	µ
Detection Limit	0.1	
Analysis Method	DNC	DNC
01357	45.6	1.062
01358	477	1.072
01359	55.9	1.034
01360	433	1.084
01361	65.0	1.084
01362	134	1.027
01363	172	1.028
01364	46.7	1.080
01365	152	1.045
01366	10.9	1.024
01367	167	1.009
01368	13.9	1.005
01369	183	1.066
01370	141	1.079
01371	885	1.034
01372	803	1.052
01373	71.8	1.041
01374	814	1.088
01375	713	1.037
01376	173.0	1.083
01377	380	1.032
01378	266	1.000
01379	13.9	1.013
01380	3.8	1.032
01381	110	1.004

## Quality Control

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
DH-1a Meas	2810	
DH-1a Cert	2830	
DH-1a Meas	2810	
DH-1a Cert	2830	
SY-2 Meas	283	
SY-2 Cert	284	
SY-2 Meas	283	
SY-2 Cert	284	
BL-4a Meas	1280	
BL-4a Cert	1250	
01380 Split	3.7	1.075
Method Blank Method	< 0.1	1.000
Blank		

Quality Analysis ...



Innovative Technologies

Date Submitted: 19-Feb-08  
Invoice No.: A08-0782  
Invoice Date: 29-Feb-08  
Your Reference: PELE MOUNTAIN RESOURCE

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

1 Pulp sample and 86 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A08-0782

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### Notes:

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Eric Hoffman". The signature is written in a cursive, flowing style.

Eric Hoffman, Ph.D.  
President/General Manager

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or  
+1.888.228.5227 FAX +1.905.648.9513  
E-MAIL [ancaster@actlabsintl.com](mailto:ancaster@actlabsintl.com) ACTLABS GROUP WEBSITE <http://www.actlabsintl.com>

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC

01403	109	1.008
01404	58.4	1.011
01405	79.1	1.073
01406	105	1.031
01407	45.0	1.022
01408	285	1.068
01409	137	1.081
01410	207	1.058
01411	211	1.054
01412	59.6	1.051
01413	496	1.042
01414	182	1.089
01415	999	1.049
01416	320	1.081
01417	338	1.073
01418	7.1	1.079
01419	115	1.014
01420	962	1.084
01421	417	1.048
01422	664	1.052
01423	255	1.032
01424	535	1.084
01425	512	1.041
01426	914	1.088
01427	115	1.036
01428	70.4	1.025
01429	121	1.084
01430	201	1.040
01431	18.4	1.002
01432	2.5	1.082
01433	110	1.042
01434	53.5	1.062
01435	91.5	1.016
01436	27.4	1.048
01437	64.3	1.035
01438	311	1.011
01439	72.3	1.082
01440	60.7	1.008
01441	50.1	1.078
01442	224	1.022
01443	639	1.067
01444	1020	1.082
01445	618	1.011
01446	410	1.089
01447	87.1	1.039
01448	1300	1.048
01449	12.8	1.051
01450	118	1.052
01451	845	1.058
01452	340	1.055
01453	11.2	1.038
01454	12.9	1.085

**Quality Control**

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC

DH-1a Meas	2840	
DH-1a Cert	2830	
DH-1a Meas	2820	
DH-1a Cert	2830	
SY-2 Meas	282	
SY-2 Cert	284	
SY-2 Meas	287	
SY-2 Cert	284	
BL-4a Meas	1280	
BL-4a Cert	1250	
01432 Split	2.3	1.084
01453 Split	9.7	1.022
01482 Split	45.0	1.061
01488 Split	8.1	1.074
Method Blank Method	< 0.1	1.000
Blank		



Quality Analysis ...



Innovative Technologies

Date Submitted: 22-Feb-08  
Invoice No.: A08-0836  
Invoice Date: 19-Mar-08  
Your Reference: Pele Mountain Resources PM 83

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

83 Rock samples were submitted for analysis.

The following analytical packages were requested:

REPORT	A08-0836	Code 1A2 Au - Fire Assay AA
		Code 5D-U-Total DNC
		Code 4B2-Std (1-10) Trace Elements Fusion ICP/MS(WRA4B2)

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### Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3  
We recommend using option 4B1 for accurate levels of the base metals Cu, Pb, Zn, Ni and Ag.  
Option 4B-INAA for As, Sb, high W >100ppm, Cr >1000ppm and Sn >50ppm by Code 5D.  
Values for these elements provided by Fusion ICP/MS, are order of magnitude only and are provided for general information. Mineralized samples should have the Quant option selected or request assays for values which exceed the range of option 4B1.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Eric Hoffman".

Eric Hoffman, Ph.D.  
President/General Manager

### ACTIVATION LABORATORIES LTD.

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E-MAIL [ancaster@actlabsint.com](mailto:ancaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Analyte Symbol	U	Mass	U	Mass	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs
Unit Symbol	ppm	g	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1		0.1		5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5
Analysis Method	DNC	DNC	DNC	DNC	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	
01490	433	1.009																						
01491	14.3	0.914																						
01492	333	1.039																						
01493	177	0.904																						
01494	1690	0.969																						
01495	211	1.050																						
01498	140	1.052																						
01497	25.1	0.953																						
01498	69.1	1.029																						
01499	58.8	1.086																						
01500	8.6	1.100																						
01501	406	0.995																						
01502	278	0.945																						
01503	72.4	0.972																						
01504	884	0.997																						
01505	3.3	1.078																						
01506	110	0.967																						
01507	64.4	0.957																						
01508	54.8	1.000																						
01509	387	0.985																						
01510	68.8	1.033																						
01511	401	0.998																						
01512	8.21	0.931																						
01513	74.7	0.982																						
01514	15.3	0.927																						
01515	257	1.002																						
01516	276	0.983																						
01517	19.8	0.920																						
01518	379	1.033																						
01519	1230	0.987																						
01520	229	1.083																						
01521	458	0.928																						
01522	6.01	0.944																						
01523	118	0.955																						
01524	38.3	0.907																						
01525	467	1.075																						
01526	68.5	1.075																						
01527	1040	0.976																						
01528	49.3	1.071																						
01529	13.8	1.000																						
01530	8.7	1.075																						
01531	28.5	1.000																						
01532	14.0	1.050																						
01533	230	0.985	228	1.049																				
01534	48.1	1.100	47.9	1.038																				
01535	80.7	1.068	79.7	1.062																				
01536	41.2	0.952	40.7	1.041																				
01537	695	0.982	655	1.058																				
01538	74.5	1.061	75.0	1.062																				
01539	145	0.907	143	1.038																				
01540	1670	1.051	1690	1.002																				
01541	110	0.968	110	1.054																				

Activation Laboratories Ltd. Report: A08-0836

Analyte Symbol	U	Mass	U	Mass	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs
Unit Symbol	ppm	g	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1		0.1		5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5
Analysis Method	DNC	DNC	DNC	DNC	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
01542	315	0.005	313	1.060																				
01543	5.4	1.070	5.3	1.022																				
01544	120	0.002	117	1.020																				
01545	110	0.031	120	1.015																				
01548	02.3	0.020	02.7	1.057																				
01547	112	1.104	110	1.079																				
01548	200	0.072	302	1.041																				
01540	110	1.005	114	1.010																				
01550	38.2	0.009	38.5	1.040																				
01551	207	1.100	200	1.051																				
01552	35.0	1.052	35.1	1.010																				
01553	02.3	1.033	01.8	1.072																				
01554	01.3	0.045	04.1	1.053																				
01555	211	1.028	216	1.074																				
01550	70.4	1.071	70.6	1.000																				
01557	124	1.051	120	1.002																				
01558	170	0.055	177	1.062																				
01559	211	1.100	212	1.000																				
01500	42.0	1.000	43.7	1.040																				
01501	113	0.070	113	1.002																				
01502	054	0.050	005	1.072																				
01503	370	1.002	300	1.005																				
01504	537	1.073	540	1.077																				
01505	11.0	1.052	12.5	1.000																				
01500	07.4	0.053	07.0	1.001																				
01507	23.4	1.045	24.3	1.003																				
01508	11.0	1.014	12.0	1.070	10	20	15	00	20	70	12	1	< 5	142	10	0	100	0	< 2	< 0.5	< 0.2	1	< 0.5	3.0
01500	223	1.041	227	1.004	10	20	00	40	70	40	14	1	< 5	00	14	27	130	0	< 2	< 0.5	< 0.2	< 1	< 0.5	2.0
01570	30.0	0.004	20.0	1.021	401	200	50	100	70	110	47	1	< 5	433	10	07	455	34	< 2	0.5	< 0.2	3	< 0.5	5.4
01571	4.0	1.001	4.0	1.010																				
01572	115	0.004	110	1.037																				

Analyte Symbol	Ba	La	Co	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Ti	Pb	Bi	Th	U	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Detection Limit	3	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	5
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FA-AA

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Activation Laboratories Ltd.      Report:    A08-0836

Analyte Symbol	Ba	La	Co	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Ti	Pb	Bi	Th	U	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Detection Limit	3	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	5
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FA-AA

01542																										
01543																										
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01561																										
01562																										
01563																										
01564																										
01565																										
01566																										
01567																										
01568	233	18.7	33.5	3.23	10.2	1.8	0.40	1.8	0.2	1.1	0.2	0.8	0.10	0.7	0.11	2.9	1.1	2	1.0	11	< 0.4	34.1	13.8	< 5		
01569	208	31.3	52.7	5.87	25.8	7.2	1.30	8.8	1.1	8.2	1.1	3.1	0.40	2.3	0.30	3.4	1.1	3	0.8	13	< 0.4	84.8	234	< 5		
01570	738	253	401	43.8	133	22.1	5.13	17.8	2.3	12.1	2.4	7.0	1.05	8.7	0.99	11.2	2.0	15	1.9	< 5	< 0.4	11.1	30.8	< 5		
01571																										
01572																										

Analyte Symbol	Au
Unit Symbol	ppb
Detection Limit	5
Analysis Method	FA-AA

01400  
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Analyte Symbol	Au
Unit Symbol	ppb
Detection Limit	5
Analysis Method	FA-AA

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Quality Control

Analyte Symbol	U	Mass	U	Mass	V	V	Cr	Cr	Co	Co	Ni	Ni	Cu	Cu	Zn	Zn	Ga	Ga	Ge	Ge	As	As	Rb	Rb
Unit Symbol	ppm	g	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1		0.1		5	5	20	20	1	1	20	20	10	10	30	30	1	1	1	1	5	5	2	2
Analysis Method	DNC	DNC	DNC	DNC	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
GXR-1 Meas					79	79	< 20	< 20	7	7	40	40	1110	1110	750	750	17	17			427	427	3	3
GXR-1 Cert					80.0	80.0	12.0	12.0	8.20	8.20	41.0	41.0	1110	1110	700	700	13.8	13.8			427	427	14.0	14.0
WMC-1 Meas					170	170	770	770	190	190	2540	2540	5610	5610	130	130	11	11			7	7		
WMC-1 Cert					149	140	770	770	200	200	2700	2700	5000	5000	110	110	10.3	10.3			7.00	7.00		
DH-1a Meas	2610		2640																					
DH-1a Cert	2630		2630																					
DH-1a Meas	2650		2620																					
DH-1a Cert	2630		2630																					
DNC-1 Meas					152	152	280	280	55	55	250	250	110	110	80	80	15	15	1	1	< 5	< 5	4	4
DNC-1 Cert					148	148	285	285	54.7	54.7	247	247	98.0	96.0	68.0	68.0	15.0	15.0	1.30	1.30	0.200	0.200	4.50	4.50
BIR-1 Meas					317	317	390	390	51	51	170	170	140	140	90	90	19	18	1	1	< 5	< 5	< 2	< 2
BIR-1 Cert					313	313	382	382	51.4	51.4	186	186	126	128	71.0	71.0	16.0	16.0	1.50	1.50	0.440	0.440	0.250	0.250
GXR-2 Meas					70	70	30	30	8	8	< 20	< 20	80	80	520	520	36	36			19	19	70	78
GXR-2 Cert					52.0	52.0	36.0	36.0	8.00	8.00	21.0	21.0	70.0	70.0	530	530	37.0	37.0			25.0	25.0	78.0	78.0
LKSD-3 Meas					78	78	70	70	30	30	50	50	40	40	180	180					17	17	78	78
LKSD-3 Cert					82.0	82.0	87.0	87.0	30.0	30.0	47.0	47.0	35.0	35.0	152	152					27.0	27.0	78.0	78.0
MAG-1 (Depleted) Meas					114	114	80	80	19	19	40	40	30	30	140	140	19	19			6	6	128	128
MAG-1 (Depleted) Cert					140	140	97.0	97.0	20.4	20.4	53.0	53.0	30.0	30.0	130	130	20.4	20.4			9.20	9.20	149	149
SY-2 Meas	282		283																					
SY-2 Cert	284		284																					
SY-2 Meas	281		283																					
SY-2 Cert	284		284																					
W-2a Meas					258	258	80	80	40	40	70	70	110	110	100	100	17	17	1	1	< 5	< 5	19	19
W-2a Cert					262	262	92.0	92.0	43.0	43.0	70.0	70.0	110	110	80.0	80.0	17.0	17.0	1.00	1.00	1.20	1.20	21.0	21.0
BL-4a Meas	1280		1280																					
BL-4a Cert	1250		1250																					
CDN-GS-2B Meas																								
CDN-GS-2B Cert																								
CDN-GS-P7A Meas																								
CDN-GS-P7A Cert																								
CTA-AC-1 Meas					104	104			< 1	< 1			70	70	40	40								
CTA-AC-1 Cert					104	104			2.72	2.72			54.0	54.0	38.0	38.0								
01519 Split	1210	0.937																						
01540 Split	1430	1.057																						
01549 Split	118	0.910																						
01571 Split	4.2	0.978																						
Method Blank Method Blank					< 5	< 5	< 20	< 20	< 1	< 1	< 20	< 20	< 10	< 10	< 30	< 30	< 1	< 1	< 1	< 1	< 5	< 5	< 2	< 2
Method Blank Method Blank																								
Method Blank Method Blank	< 0.1	1.000																						
Method Blank Method Blank			< 0.1	1.000																				
Method Blank Method Blank																								



Quality Control																								
Analyte Symbol	Sr	Sr	Y	Y	Zr	Zr	Nb	Nb	Mo	Mo	Ag	Ag	In	In	Sn	Sn	Sb	Sb	Cs	Cs	Ba	Ba	La	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	2	1	1	5	5	1	1	2	2	0.5	0.5	0.2	0.2	1	1	0.5	0.5	0.5	0.5	3	3	0.1	0.1
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
GXR-1 Meas	285	285	31	31	20	29	2	2	18	18	33.8	33.8	0.8	0.8	54	54	120	120	3.0	3.0	950	950	8.4	8.4
GXR-1 Cert	275	275	32.0	32.0	38.0	38.0	0.800	0.800	18.0	18.0	31.0	31.0	0.770	0.770	54.0	54.0	122	122	3.00	3.00	760	750	7.50	7.50
WMG-1 Meas	42	42	15	15	58	58	8	8	<2	<2	1.5	1.5			2	2	4.8	4.8	<0.5	<0.5	123	123	8.9	8.9
WMG-1 Cert	41.0	41.0	12.0	12.0	43.0	43.0	6.00	6.00	1.40	1.40	2.70	2.70			2.20	2.20	1.80	1.80	0.480	0.480	114	114	8.20	8.20
DH-1a Meas																								
DH-1a Cert																								
DH-1a Meas																								
DH-1a Cert																								
DNC-1 Meas	148	148	18	18	38	38	2	2	<2	<2	<0.5	<0.5					<0.5	<0.5	<0.5	<0.5	113	113	4.1	4.1
DNC-1 Cert	145	145	18.0	18.0	41.0	41.0	3.00	3.00	0.700	0.700	0.0270	0.0270					0.080	0.080	0.340	0.340	114	114	3.80	3.80
BIR-1 Meas	112	112	18	18	14	14	1	1	<2	<2	<0.5	<0.5			<1	<1	<0.5	<0.5	<0.5	<0.5	7	7	0.8	0.8
BIR-1 Cert	108	108	18.0	18.0	16.0	16.0	0.800	0.800	0.500	0.500	0.0380	0.0380			0.850	0.850	0.580	0.580	0.00500	0.00500	7.00	7.00	0.820	0.820
GXR-2 Meas	154	154	18	18	228	228	12	12	<2	<2	12.1	12.1	<0.2	<0.2	2	2	27.2	27.2	5.6	5.6	2120	2120	27.3	27.3
GXR-2 Cert	100	100	17.0	17.0	280	289	11.0	11.0	2.10	2.10	17.0	17.0	0.252	0.252	1.70	1.70	49.0	49.0	5.20	5.20	2240	2240	25.6	25.6
LKSD-3 Meas	245	245	30	30	139	139	8	8	<2	<2	2.0	2.0			2	2	<0.5	<0.5	2.6	2.6	707	707	51.8	51.8
LKSD-3 Cert	240	240	30.0	30.0	178	178	8.00	8.00	2.00	2.00	2.70	2.70			3.00	3.00	1.30	1.30	2.30	2.30	680	680	52.0	52.0
MAG-1 (Depleted) Meas	119	119	21	21	58	58	8	8	<2	<2	<0.5	<0.5	<0.2	<0.2	2	2	<0.5	<0.5	8.3	8.3	410	410	37.7	37.7
MAG-1 (Depleted) Cert	148	148	28.0	28.0	128	128	12.0	12.0	1.80	1.80	0.0800	0.0800	0.180	0.180	3.60	3.60	0.980	0.980	8.60	8.60	479	479	43.0	43.0
SY-2 Meas																								
SY-2 Cert																								
SY-2 Meas																								
SY-2 Cert																								
W-2a Meas	184	184	21	21	88	88	8	8	<2	<2	<0.5	<0.5					<0.5	<0.5	0.9	0.9	174	174	11.2	11.2
W-2a Cert	190	190	24.0	24.0	94.0	94.0	7.00	7.00	0.800	0.800	0.0460	0.0460					0.790	0.790	0.890	0.890	182	182	10.0	10.0
BL-4a Meas																								
BL-4a Cert																								
CDN-GS-2B Meas																								
CDN-GS-2B Cert																								
CDN-GS-P7A Meas																								
CDN-GS-P7A Cert																								
CTA-AC-1 Meas			314	314																	931	931	> 2000	> 2000
CTA-AC-1 Cert			272	272																	787	787	2178	2178
01519 Split																								
01540 Split																								
01549 Split																								
01571 Split																								
Method Blank Method Blank	<2	<2	<1	<1	<5	<5	<1	<1	<2	<2	<0.5	<0.5	<0.2	<0.2	<1	<1	<0.5	<0.5	<0.5	<0.5	<3	<3	<0.1	<0.1
Method Blank Method Blank																								
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Method Blank Method Blank																								
Method Blank Method Blank																								

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Quality Control																									
Analyte Symbol	Co	Co	Pr	Pr	Nd	Nd	Sm	Sm	Eu	Eu	Gd	Gd	Tb	Tb	Dy	Dy	Ho	Ho	Er	Er	Tm	Tm	Yb	Yb	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detection Limit	0.1	0.1	0.05	0.05	0.1	0.1	0.1	0.1	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.05	0.1	0.1	
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	
GXR-1 Meas	17.1	17.1			8.0	8.8	3.1	3.1	0.87	0.87	4.2	4.2	0.8	0.9	4.9	4.9					0.42	0.42	2.3	2.3	
GXR-1 Cert	17.0	17.0			18.0	18.0	2.70	2.70	0.890	0.890	4.20	4.20	0.830	0.830	4.30	4.30					0.430	0.430	1.90	1.90	
VMG-1 Meas	18.9	18.9			9.6	9.8	2.5	2.5	0.80	0.80			0.5	0.5	2.7	2.7	0.5	0.5			0.23	0.23	1.4	1.4	
VMG-1 Cert	18.0	18.0			9.00	9.00	2.30	2.30	0.820	0.820			0.300	0.300	2.80	2.80	0.500	0.500			0.200	0.200	1.30	1.30	
DH-1a Meas																									
DH-1a Cert																									
DH-1a Meas																									
DH-1a Cert																									
DNC-1 Meas	8.4	8.4	1.10	1.10	4.9	4.9	1.5	1.5	0.64	0.64	2.2	2.2	0.5	0.5	2.9	2.9	0.8	0.8	2.0	2.0	0.33	0.33	2.0	2.0	
DNC-1 Cert	10.8	10.8	1.30	1.30	4.90	4.90	1.38	1.38	0.590	0.590	2.00	2.00	0.410	0.410	2.70	2.70	0.820	0.820	2.00	2.00	0.380	0.380	2.01	2.01	
BIR-1 Meas	2.2	2.2	0.42	0.42	2.5	2.5	1.2	1.2	0.55	0.55	2.0	2.0	0.4	0.4	2.7	2.7	0.6	0.8	1.8	1.8	0.29	0.29	1.7	1.7	
BIR-1 Cert	1.05	1.95	0.380	0.380	2.50	2.50	1.10	1.10	0.540	0.540	1.85	1.85	0.390	0.390	2.50	2.50	0.570	0.570	1.70	1.70	0.260	0.260	1.65	1.65	
GXR-2 Meas	59.3	59.3			19.9	19.9	3.9	3.9	0.80	0.80	3.4	3.4	0.6	0.6	3.0	3.0					0.30	0.30	1.8	1.8	
GXR-2 Cert	51.4	51.4			19.0	19.0	3.50	3.50	0.810	0.810	3.30	3.30	0.480	0.480	3.30	3.30					0.300	0.300	2.04	2.04	
LKSD-3 Meas	98.3	98.3			44.0	44.0	8.3	8.3	1.58	1.58			1.0	1.0	5.2	5.2							2.7	2.7	
LKSD-3 Cert	90.0	90.0			44.0	44.0	8.00	8.00	1.50	1.50			1.00	1.00	4.80	4.80							2.70	2.70	
MAG-1 (Depleted) Meas	78.1	78.1	8.88	8.98	31.2	31.2	6.3	6.3	1.28	1.28	5.5	5.5	0.8	0.8	4.2	4.2	0.7	0.7	2.1	2.1	0.33	0.33	1.9	1.9	
MAG-1 (Depleted) Cert	88.0	88.0	9.30	9.30	38.0	38.0	7.50	7.50	1.80	1.80	5.80	5.80	0.980	0.980	5.20	5.20	1.02	1.02	3.00	3.00	0.430	0.430	2.60	2.60	
SY-2 Meas																									
SY-2 Cert																									
SY-2 Meas																									
SY-2 Cert																									
W-2n Meas	24.8	24.8			12.4	12.4	3.3	3.3	1.14	1.14			0.7	0.7	3.8	3.8	0.7	0.7	2.2	2.2	0.34	0.34	2.0	2.0	
W-2n Cert	23.0	23.0			13.0	13.0	3.30	3.30	1.00	1.00			0.630	0.630	3.60	3.60	0.780	0.780	2.50	2.50	0.380	0.380	2.10	2.10	
BL-4a Meas																									
BL-4a Cert																									
CDN-GS-2B Meas																									
CDN-GS-2B Cert																									
CDN-GS-P7A Meas																									
CDN-GS-P7A Cert																									
CTA-AC-1 Meas	> 3000	> 3000			1130	1130	180	180	50.8	50.8	155	155	17.4	17.4									12.2	12.2	
CTA-AC-1 Cert	3326	3326			1087	1087	182	182	48.7	48.7	124	124	13.8	13.8									11.4	11.4	
01518 Split																									
01540 Split																									
01549 Split																									
01571 Split																									
Method Blank Method Blank	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.1	
Method Blank Method Blank																									
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Activation Laboratories Ltd. Report: A08-0836

Quality Control																				
Analyte Symbol	Lu	Lu	Hi	Hi	Ta	Ta	W	W	Ti	Ti	Pb	Pb	Bi	Bi	Th	Th	U	U	Au	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
Detection Limit	0.04	0.04	0.2	0.2	0.1	0.1	1	1	0.1	0.1	5	5	0.4	0.4	0.1	0.1	0.1	0.1	5	5
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FA-AA	FA-AA
GXR-1 Meas	0.30	0.30	0.8	0.8	< 0.1	< 0.1	164	164	0.5	0.5	730	730	1380	1380	2.7	2.7	34.9	34.9		
GXR-1 Cort	0.280	0.280	0.890	0.890	0.175	0.175	164	164	0.390	0.390	730	730	1380	1380	2.44	2.44	34.8	34.9		
WVG-1 Meas	0.20	0.20	1.7	1.7	0.3	0.3	< 1	< 1			16	16			1.3	1.3	0.7	0.7		
WVG-1 Cort	0.210	0.210	1.30	1.30	0.500	0.500	1.30	1.30			15.0	15.0			1.10	1.10	0.650	0.650		
DH-1a Meas																				
DH-1a Cort																				
DNC-1 Meas	0.30	0.30	1.1	1.1	< 0.1	< 0.1	< 1	< 1	< 0.1	< 0.1	8	8	< 0.4	< 0.4	0.3	0.3	< 0.1	< 0.1		
DNC-1 Cort	0.320	0.320	1.01	1.01	0.0980	0.0980	0.200	0.200	0.0260	0.0260	8.30	8.30	0.0200	0.0200	0.200	0.200	0.100	0.100		
BIR-1 Meas	0.25	0.25	0.6	0.6	< 0.1	< 0.1	< 1	< 1	< 0.1	< 0.1	< 5	< 5	< 0.4	< 0.4	< 0.1	< 0.1	< 0.1	< 0.1		
BIR-1 Cort	0.260	0.260	0.600	0.600	0.0400	0.0400	0.0700	0.0700	0.0100	0.0100	3.00	3.00	0.0200	0.0200	0.0300	0.0300	0.0100	0.0100		
GXR-2 Meas	0.27	0.27	8.5	8.5	0.8	0.8	1	1	1.0	1.0	365	365	< 0.4	< 0.4	8.8	8.8	3.0	3.0		
GXR-2 Cort	0.270	0.270	8.30	8.30	0.900	0.900	1.90	1.90	1.03	1.03	690	690	0.690	0.690	8.80	8.80	2.90	2.90		
LKSD-3 Meas	0.40	0.40	3.9	3.9	0.7	0.7	< 1	< 1			29	29			11.3	11.3	4.8	4.8		
LKSD-3 Cort	0.400	0.400	4.80	4.80	0.700	0.700	2.00	2.00			29.0	29.0			11.4	11.4	4.80	4.80		
MAG-1 (Doplotod) Meas	0.27	0.27	1.8	1.8	0.8	0.8	< 1	< 1	0.5	0.5	24	24	< 0.4	< 0.4	10.3	10.3	2.3	2.3		
MAG-1 (Doplotod) Cort	0.490	0.490	3.70	3.70	1.10	1.10	1.40	1.40	0.590	0.590	24.0	24.0	0.340	0.340	11.9	11.9	2.70	2.70		
SY-2 Meas																				
SY-2 Cort																				
W-2a Meas	0.29	0.29	2.6	2.6	0.5	0.5	< 1	< 1	0.1	0.1	8	8	< 0.4	< 0.4	2.2	2.2	0.5	0.5		
W-2a Cort	0.330	0.330	2.60	2.60	0.500	0.500	0.300	0.300	0.200	0.200	9.30	9.30	0.0300	0.0300	2.40	2.40	0.530	0.530		
BL-4a Meas																				
BL-4a Cort																				
CDN-GS-2B Meas																			1930	2000
CDN-GS-2B Cort																			2030	2030
CDN-GS-P7A Meas																			810	
CDN-GS-P7A Cort																			770	
CTA-AC-1 Meas	1.12	1.12	2.1	2.1	3.0	3.0									25.4	25.4	4.4	4.4		
CTA-AC-1 Cort	1.08	1.08	1.13	1.13	2.65	2.65									21.8	21.8	4.4	4.4		
01519 Split																				
01540 Split																				
01549 Split																				
01571 Split																				
Method Blank Method Blank	< 0.04	< 0.04	< 0.2	< 0.2	< 0.1	< 0.1	< 1	< 1	< 0.1	< 0.1	< 5	< 5	< 0.4	< 0.4	< 0.1	< 0.1	< 0.1	< 0.1		
Method Blank Method Blank																				< 5
Method Blank Method Blank																				
Method Blank Method Blank																				
Method Blank Method Blank																				< 5

Quality Analysis ...



Innovative Technologies

Date Submitted: 26-Feb-08

Invoice No.: A08-0881

Invoice Date: 18-Mar-08

Your Reference: PM 85

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

27 Rock samples were submitted for analysis.

The following analytical packages were requested: Code 4B2-Std (1-10) Trace Elements Fusion ICP/MS(WRA4B2)

Code 5D-U-Total DNC

REPORT A08-0881

Code 1A2 Au - Fire Assay AA

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### Notes:

If value exceeds upper limit we recommend re-assay by fire assay gravimetric-Code 1A3  
We recommend using option 4B1 for accurate levels of the base metals Cu, Pb, Zn, Ni and Ag.  
Option 4B-INAA for As, Sb, high W >100ppm, Cr >1000ppm and Sn >50ppm by Code 5D.  
Values for these elements provided by Fusion ICP/MS, are order of magnitude only and are provided for general information. Mineralized samples should have the Quant option selected or request assays for values which exceed the range of option 4B1.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "C. Douglas Read".

C. Douglas Read, B.Sc.  
Laboratory Manager

ACTIVATION LABORATORIES LTD.

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Activation Laboratories Ltd.      Report: A08-0881

Analyte Symbol	U	Mass	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La
Unit Symbol	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1		5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1
Analysis Method	DNC	DNC	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
01573	88.5	1.046																						
01574	232	1.013																						
01575	66.7	1.043																						
01576	97.5	0.091																						
01577	18.0	1.074																						
01578	68.4	0.079																						
01579	24.0	1.053																						
01580	258	0.927																						
01581	59.0	0.020																						
01582	208	0.028																						
01583	291	1.020																						
01584	76.3	1.037																						
01585	209	0.060																						
01586	240	0.913																						
01587	208	1.063																						
01588	189	1.035																						
01589	5.90	0.053																						
01590	120	0.989																						
01591	1020	0.078																						
01592	253	0.023																						
01593	722	0.000																						
01594	198	0.947																						
01595	311	1.002																						
01596	9.0	1.078																						
01597	3.81	0.950	14	20	9	< 20	20	40	12	1	< 5	123	8	5	55	5	< 2	< 0.5	< 0.2	1	2.5	1.0	230	23.4
01598	2020	0.086	32	40	48	< 20	30	60	12	2	< 5	67	10	285	421	18	3	< 0.5	< 0.2	< 1	< 0.5	1.8	130	02.1
01599	4.94	0.947	381	30	58	140	80	140	44	2	< 5	381	17	53	377	24	< 2	< 0.5	< 0.2	4	< 0.5	5.8	594	07.1

Activation Laboratories Ltd. Report: A08-0881

Analyte Symbol	Co	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Ti	Pb	Bi	Th	U	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Detection Limit	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	5
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FA-AA

01573  
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01507	36.8	3.29	10.1	1.8	0.30	1.3	0.2	0.9	0.2	0.5	0.08	0.5	0.09	1.5	0.8	2	0.8	< 5	< 0.4	0.0	4.0	< 5
01598	211	29.3	175	63.4	16.4	75.8	11.5	57.6	9.7	23.3	2.83	14.9	1.84	11.2	3.8	4	1.6	28	< 0.4	420	> 1000	7
01599	105	25.4	102	24.0	4.82	16.7	2.1	10.0	1.8	5.0	0.71	4.4	0.88	0.5	1.4	10	2.3	7	0.8	9.7	7.3	< 5

Quality Control																								
Analyte Symbol	U	Maas	V	V	Cr	Cr	Co	Co	Ni	Ni	Cu	Cu	Zn	Zn	Ga	Ga	Go	Go	As	As	Rb	Rb	Sr	Sr
Unit Symbol	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1		5	5	20	20	1	1	20	20	10	10	30	30	1	1	1	1	5	5	2	2	2	2
Analysis Method	DNC	DNC	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
GXR-1 Meas			79	79	< 20	< 20	7	7	40	40	1110	1110	750	750	17	17			427	427	3	3	285	285
GXR-1 Cert			80.0	80.0	12.0	12.0	8.20	8.20	41.0	41.0	1110	1110	760	760	13.8	13.8			427	427	14.0	14.0	275	275
WVG-1 Meas			170	170	770	770	180	190	2540	2540	5810	5810	130	130	11	11			7	7			42	42
WVG-1 Cert			149	149	770	770	200	200	2700	2700	5900	5900	110	110	10.3	10.3			7.00	7.00			41.0	41.0
DH-1a Meas	2840																							
DH-1a Cert	2830																							
DH-1a Meas	2850																							
DH-1a Cert	2830																							
DNC-1 Meas			152	152	280	280	55	55	250	250	110	110	80	80	15	15	1	1	< 5	< 5	4	4	146	146
DNC-1 Cert			148	148	285	285	54.7	54.7	247	247	98.0	98.0	86.0	86.0	15.0	15.0	1.30	1.30	0.200	0.200	4.50	4.50	145	145
BIR-1 Meas			317	317	390	390	51	51	170	170	140	140	90	90	18	18	1	1	< 5	< 5	< 2	< 2	112	112
BIR-1 Cert			313	313	382	382	51.4	51.4	188	188	128	128	71.0	71.0	18.0	18.0	1.50	1.50	0.440	0.440	0.250	0.250	108	108
GXR-2 Meas			70	70	30	30	8	8	< 20	< 20	80	80	520	520	36	36			19	19	78	78	154	154
GXR-2 Cert			52.0	52.0	36.0	36.0	8.60	8.60	21.0	21.0	78.0	78.0	530	530	37.0	37.0			25.0	25.0	78.0	78.0	160	160
LKSD-3 Meas			78	78	70	70	30	30	50	50	40	40	160	160					17	17	78	78	245	245
LKSD-3 Cert			82.0	82.0	67.0	67.0	30.0	30.0	47.0	47.0	35.0	35.0	152	152					27.0	27.0	78.0	78.0	240	240
MAG-1 (Depleted) Meas			114	114	80	80	19	19	40	40	30	30	140	140	19	19			6	6	128	128	119	119
MAG-1 (Depleted) Cert			140	140	97.0	97.0	20.4	20.4	53.0	53.0	30.0	30.0	130	130	20.4	20.4			9.20	9.20	149	149	146	146
SY-2 Meas	281																							
SY-2 Cert	284																							
SY-2 Meas	287																							
SY-2 Cert	284																							
W-2a Meas			258	258	80	80	40	40	70	70	110	110	100	100	17	17	1	1	< 5	< 5	19	19	184	184
W-2a Cert			262	262	92.0	92.0	43.0	43.0	70.0	70.0	110	110	80.0	80.0	17.0	17.0	1.00	1.00	1.20	1.20	21.0	21.0	190	190
BL-4a Meas	1280																							
BL-4a Cert	1250																							
CDN-GS-2B Meas																								
CDN-GS-2B Cert																								
CDN-GS-P7A Meas																								
CDN-GS-P7A Cert																								
CTA-AC-1 Meas			104	104			< 1	< 1			70	70	40	40										
CTA-AC-1 Cert			104	104			2.72	2.72			54.0	54.0	38.0	38.0										
D1590 Spill	5.3	0.947																						
Method Blank Method Blank			< 5	< 5	< 20	< 20	< 1	< 1	< 20	< 20	< 10	< 10	< 30	< 30	< 1	< 1	< 1	< 1	< 5	< 5	< 2	< 2	< 2	< 2
Method Blank Method Blank																								
Method Blank Method Blank	< 0.1	1.000																						

Quality Control																									
Analyte Symbol	Y	Y	Zr	Zr	Nb	Nb	Mo	Mo	Ag	Ag	In	In	Sn	Sn	Sb	Sb	Cs	Cs	Ba	Ba	La	La	Ce	Ce	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detection Limit	1	1	5	5	1	1	2	2	0.5	0.5	0.2	0.2	1	1	0.5	0.5	0.5	0.5	3	3	0.1	0.1	0.1	0.1	
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	
GXR-1 Meas	31	31	29	29	2	2	18	18	33.0	33.6	0.8	0.8	54	54	120	120	3.0	3.0	950	950	8.4	8.4	17.1	17.1	
GXR-1 Cert	32.0	32.0	38.0	38.0	0.800	0.800	18.0	18.0	31.0	31.0	0.770	0.770	54.0	54.0	122	122	3.00	3.00	750	750	7.50	7.50	17.0	17.0	
WMG-1 Meas	15	15	58	58	6	6	< 2	< 2	1.5	1.5			2	2	4.8	4.8	< 0.5	< 0.5	123	123	8.9	8.9	18.9	18.9	
WMG-1 Cert	12.0	12.0	43.0	43.0	6.00	6.00	1.40	1.40	2.70	2.70			2.20	2.20	1.80	1.80	0.480	0.480	114	114	8.20	8.20	18.0	18.0	
DH-1a Meas																									
DH-1a Cert																									
DH-1a Meas																									
DH-1a Cert																									
DNC-1 Meas	18	18	36	36	2	2	< 2	< 2	< 0.5	< 0.5					< 0.5	< 0.5	< 0.5	< 0.5	113	113	4.1	4.1	9.4	9.4	
DNC-1 Cert	18.0	18.0	41.0	41.0	3.00	3.00	0.700	0.700	0.0270	0.0270					0.690	0.990	0.340	0.340	114	114	3.80	3.80	10.6	10.6	
BIR-1 Meas	16	16	14	14	1	1	< 2	< 2	< 0.5	< 0.5			< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	7	7	0.8	0.8	2.2	2.2	
BIR-1 Cert	16.0	16.0	16.0	16.0	0.600	0.600	0.500	0.500	0.0380	0.0380			0.850	0.650	0.580	0.580	0.00500	0.00500	7.00	7.00	0.620	0.620	1.85	1.85	
GXR-2 Meas	18	18	228	228	12	12	< 2	< 2	12.1	12.1	< 0.2	< 0.2	2	2	27.2	27.2	5.8	5.8	2120	2120	27.3	27.3	58.3	58.3	
GXR-2 Cert	17.0	17.0	209	209	11.0	11.0	2.10	2.10	17.0	17.0	0.252	0.252	1.70	1.70	40.0	40.0	5.20	5.20	2240	2240	25.8	25.8	51.4	51.4	
LKSD-3 Meas	30	30	139	139	8	8	< 2	< 2	2.0	2.0			2	2	< 0.5	< 0.5	2.8	2.8	707	707	51.8	51.8	86.3	86.3	
LKSD-3 Cert	30.0	30.0	178	178	8.00	8.00	2.00	2.00	2.70	2.70			3.00	3.00	1.30	1.30	2.30	2.30	680	680	52.0	52.0	90.0	90.0	
MAG-1 (Doped) Meas	21	21	59	59	6	6	< 2	< 2	< 0.5	< 0.5	< 0.2	< 0.2	2	2	< 0.5	< 0.5	8.3	8.3	410	410	37.7	37.7	78.1	78.1	
MAG-1 (Doped) Cert	28.0	28.0	128	128	12.0	12.0	1.80	1.80	0.0800	0.0800	0.180	0.180	3.00	3.60	0.900	0.890	8.80	8.80	478	470	43.0	43.0	88.0	88.0	
SY-2 Meas																									
SY-2 Cert																									
SY-2 Meas																									
SY-2 Cert																									
W-2a Meas	21	21	88	88	8	8	< 2	< 2	< 0.5	< 0.5					< 0.5	< 0.5	0.0	0.0	174	174	11.2	11.2	24.8	24.8	
W-2a Cert	24.0	24.0	94.0	94.0	7.00	7.00	0.600	0.600	0.0460	0.0460					0.790	0.790	0.900	0.900	182	182	10.0	10.0	23.0	23.0	
BL-4a Meas																									
BL-4a Cert																									
CDN-GS-2B Meas																									
CDN-GS-2B Cert																									
CDN-GS-P7A Meas																									
CDN-GS-P7A Cert																									
CTA-AC-1 Meas	314	314																	931	931	> 2000	> 2000	> 3000	> 3000	
CTA-AC-1 Cert	272	272																	797	797	2178	2178	3328	3328	
01599 Split																									
Method Blank Method	< 1	< 1	< 5	< 5	< 1	< 1	< 2	< 2	< 0.5	< 0.5	< 0.2	< 0.2	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 3	< 3	< 0.1	< 0.1	< 0.1	< 0.1	
Blank																									
Method Blank Method																									
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Method Blank Method																									
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Quality Control																								
Analyte Symbol	Pr	Pr	Nd	Nd	Sm	Sm	Eu	Eu	Gd	Gd	Tb	Tb	Dy	Dy	Ho	Ho	Er	Er	Tm	Tm	Yb	Yb	Lu	Lu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.05	0.1	0.1	0.1	0.1	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.05	0.1	0.1	0.04	0.04
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
GXR-1 Meas			8.6	8.6	3.1	3.1	0.87	0.87	4.2	4.2	0.8	0.9	4.9	4.9					0.42	0.42	2.3	2.3	0.30	0.30
GXR-1 Cert			18.0	18.0	2.70	2.70	0.690	0.690	4.20	4.20	0.830	0.830	4.30	4.30					0.430	0.430	1.90	1.90	0.280	0.280
WMG-1 Meas			9.6	9.6	2.5	2.5	0.80	0.80			0.5	0.5	2.7	2.7	0.5	0.5			0.23	0.23	1.4	1.4	0.20	0.20
WMG-1 Cert			9.00	9.00	2.30	2.30	0.820	0.820			0.300	0.300	2.80	2.80	0.500	0.500			0.200	0.200	1.30	1.30	0.210	0.210
DH-1a Meas																								
DH-1a Cert																								
DH-1a Meas																								
DH-1a Cert																								
DNC-1 Meas	1.10	1.10	4.8	4.8	1.5	1.5	0.84	0.84	2.2	2.2	0.5	0.5	2.9	2.9	0.6	0.6	2.0	2.0	0.33	0.33	2.0	2.0	0.30	0.30
DNC-1 Cert	1.30	1.30	4.90	4.90	1.38	1.38	0.590	0.590	2.00	2.00	0.410	0.410	2.70	2.70	0.820	0.820	2.00	2.00	0.380	0.380	2.01	2.01	0.320	0.320
BIR-1 Meas	0.42	0.42	2.5	2.5	1.2	1.2	0.55	0.55	2.0	2.0	0.4	0.4	2.7	2.7	0.6	0.6	1.8	1.8	0.29	0.29	1.7	1.7	0.25	0.25
BIR-1 Cert	0.380	0.380	2.50	2.50	1.10	1.10	0.540	0.540	1.85	1.85	0.380	0.380	2.50	2.50	0.570	0.570	1.70	1.70	0.280	0.280	1.65	1.65	0.230	0.230
GXR-2 Meas			19.9	19.9	3.9	3.9	0.80	0.80	3.4	3.4	0.6	0.6	3.0	3.0					0.30	0.30	1.8	1.8	0.27	0.27
GXR-2 Cert			19.0	19.0	3.50	3.50	0.810	0.810	3.30	3.30	0.480	0.480	3.30	3.30					0.300	0.300	2.04	2.04	0.270	0.270
LKSD-3 Meas			44.0	44.0	8.3	8.3	1.58	1.58			1.0	1.0	5.2	5.2							2.7	2.7	0.40	0.40
LKSD-3 Cert			44.0	44.0	8.00	8.00	1.50	1.50			1.00	1.00	4.90	4.90							2.70	2.70	0.400	0.400
MAG-1 (Doped) Meas	8.98	8.98	31.2	31.2	6.3	6.3	1.28	1.28	5.5	5.5	0.8	0.8	4.2	4.2	0.7	0.7	2.1	2.1	0.33	0.33	1.9	1.9	0.27	0.27
MAG-1 (Doped) Cert	9.30	9.30	38.0	38.0	7.50	7.50	1.80	1.80	5.80	5.80	0.960	0.960	5.20	5.20	1.02	1.02	3.00	3.00	0.430	0.430	2.80	2.80	0.400	0.400
SY-2 Meas																								
SY-2 Cert																								
SY-2 Meas																								
SY-2 Cert																								
W-2a Meas			12.4	12.4	3.3	3.3	1.14	1.14			0.7	0.7	3.8	3.8	0.7	0.7	2.2	2.2	0.34	0.34	2.0	2.0	0.29	0.29
W-2a Cert			13.0	13.0	3.30	3.30	1.00	1.00			0.830	0.830	3.80	3.80	0.700	0.700	2.50	2.50	0.380	0.380	2.10	2.10	0.330	0.330
BL-4a Meas																								
BL-4a Cert																								
CDN-GS-2B Meas																								
CDN-GS-2B Cert																								
CDN-GS-P7A Meas																								
CDN-GS-P7A Cert																								
CTA-AC-1 Meas			1130	1130	180	180	50.6	50.6	155	155	17.4	17.4									12.2	12.2	1.12	1.12
CTA-AC-1 Cert			1087	1087	182	182	48.7	46.7	124	124	13.9	13.9									11.4	11.4	1.08	1.08
01599 Split																								
Method Blank Method	< 0.05	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.1	< 0.04	< 0.04
Blank																								
Method Blank Method																								
Blank																								
Method Blank Method																								
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Quality Control

Analyte Symbol	Hf	Hf	Ta	Ta	W	W	Tl	Tl	Pb	Pb	Bi	Bi	Th	Th	U	U	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Detection Limit	0.2	0.2	0.1	0.1	1	1	0.1	0.1	5	5	0.4	0.4	0.1	0.1	0.1	0.1	5
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FA-AA
GXR-1 Meas	0.8	0.8	< 0.1	< 0.1	164	164	0.5	0.5	730	730	1380	1380	2.7	2.7	34.9	34.9	
GXR-1 Cert	0.980	0.860	0.175	0.175	164	164	0.390	0.390	730	730	1380	1380	2.44	2.44	34.9	34.9	
WMC-1 Meas	1.7	1.7	0.3	0.3	< 1	< 1			16	16			1.3	1.3	0.7	0.7	
WMC-1 Cert	1.30	1.30	0.500	0.500	1.30	1.30			15.0	15.0			1.10	1.10	0.850	0.850	
DH-1a Meas																	
DH-1a Cert																	
DH-1a Meas																	
DH-1a Cert																	
DNC-1 Meas	1.1	1.1	< 0.1	< 0.1	< 1	< 1	< 0.1	< 0.1	6	6	< 0.4	< 0.4	0.3	0.3	< 0.1	< 0.1	
DNC-1 Cert	1.01	1.01	0.0980	0.0980	0.200	0.200	0.0260	0.0260	6.30	6.30	0.0200	0.0200	0.200	0.200	0.100	0.100	
BIR-1 Meas	0.6	0.6	< 0.1	< 0.1	< 1	< 1	< 0.1	< 0.1	< 5	< 5	< 0.4	< 0.4	< 0.1	< 0.1	< 0.1	< 0.1	
BIR-1 Cert	0.600	0.600	0.0400	0.0400	0.0700	0.0700	0.0100	0.0100	3.00	3.00	0.0200	0.0200	0.0300	0.0300	0.0100	0.0100	
GXR-2 Meas	8.5	8.5	0.9	0.9	1	1	1.0	1.0	398	398	< 0.4	< 0.4	8.8	8.8	3.0	3.0	
GXR-2 Cert	8.30	8.30	0.800	0.800	1.90	1.90	1.03	1.03	690	690	0.690	0.690	8.80	8.80	2.90	2.90	
LKSD-3 Meas	3.9	3.9	0.7	0.7	< 1	< 1			29	29			11.3	11.3	4.8	4.8	
LKSD-3 Cert	4.80	4.80	0.700	0.700	2.00	2.00			29.0	29.0			11.4	11.4	4.60	4.60	
MAG-1 (Duplicated) Meas	1.6	1.6	0.8	0.8	< 1	< 1	0.5	0.5	24	24	< 0.4	< 0.4	10.3	10.3	2.3	2.3	
MAG-1 (Duplicated) Cert	3.70	3.70	1.10	1.10	1.40	1.40	0.590	0.590	24.0	24.0	0.340	0.340	11.9	11.9	2.70	2.70	
SY-2 Meas																	
SY-2 Cert																	
SY-2 Meas																	
SY-2 Cert																	
W-2a Meas	2.8	2.8	0.5	0.5	< 1	< 1	0.1	0.1	8	8	< 0.4	< 0.4	2.2	2.2	0.5	0.5	
W-2a Cert	2.60	2.60	0.500	0.500	0.300	0.300	0.200	0.200	8.30	8.30	0.0300	0.0300	2.40	2.40	0.530	0.530	
BL-4a Meas																	
BL-4a Cert																	
CDN-GS-2B Meas																	1930
CDN-GS-2B Cert																	2030
CDN-GS-P7A Meas																	610
CDN-GS-P7A Cert																	770
CTA-AC-1 Meas	2.1	2.1	3.0	3.0									25.4	25.4	4.4	4.4	
CTA-AC-1 Cert	1.13	1.13	2.65	2.65									21.8	21.8	4.4	4.4	
01599 Split																	
Method Blank Method	< 0.2	< 0.2	< 0.1	< 0.1	< 1	< 1	< 0.1	< 0.1	< 5	< 5	< 0.4	< 0.4	< 0.1	< 0.1	< 0.1	< 0.1	
Blank																	
Method Blank Method																	< 5
Blank																	
Method Blank Method																	
Blank																	

Quality Analysis ...



Innovative Technologies

Date Submitted: 29-Feb-08

Invoice No.: A08-0976

Invoice Date: 18-Mar-08

Your Reference: PM 86

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

32 Rock samples were submitted for analysis.

The following analytical packages were requested: Code 5D-U-Total DNC  
Code 4B2-Std (1-10) Trace Elements Fusion ICP/MS(WRA4B2)  
Code 1A2 Au - Fire Assay AA

REPORT      A08-0976

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

### Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3  
We recommend using option 4B1 for accurate levels of the base metals Cu, Pb, Zn, Ni and Ag.  
Option 4B-INAA for As, Sb, high W >100ppm, Cr >1000ppm and Sn >50ppm by Code 5D.  
Values for these elements provided by Fusion ICP/MS, are order of magnitude only and are provided for general information. Mineralized samples should have the Quant option selected or request assays for values which exceed the range of option 4B1.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Eric Hoffman". The signature is written in a cursive, flowing style with a long horizontal stroke at the end.

Eric Hoffman, Ph.D.  
President/General Manager

ACTIVATION LABORATORIES LTD.

1335 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or  
+1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [ancaster@actlabsint.com](mailto:ancaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Analyte Symbol	Au	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Co
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1	0.1
Analysis Method	FA-AA	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS

01600																								
01601																								
01602																								
01603																								
01604																								
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01607																								
01608																								
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01619																								
01620																								
01621																								
01622																								
01623																								
01624																								
01625																								
01626																								
01627																								
01628	120	10	< 20	23	20	100	< 30	9	< 1	< 5	117	10	15	75	9	3	< 0.5	< 0.2	< 1	< 0.5	1.0	230	48.8	04.2
01629	8	16	20	37	40	80	< 30	14	< 1	< 5	180	21	30	120	15	< 2	< 0.5	< 0.2	< 1	< 0.5	4.0	200	03.4	118
01630	20	37	40	128	80	310	< 30	11	< 1	< 5	111	11	118	182	18	5	< 0.5	< 0.2	2	< 0.5	2.8	135	157	281
01631																								

Analyte Symbol	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Ti	Pb	Bi	Th	U	U	Mass		
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	0		
Detection Limit	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	0.1			
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	DNC	
01800																						88.1	1.074	
01801																							173	1.058
01802																							66.5	1.036
01803																							145	1.074
01804																							33.4	1.062
01805																							2.0	1.008
01806																							123	1.041
01807																							211	0.979
01808																							60.9	1.021
01809																							209	1.016
01810																							98.4	1.089
01811																							98.6	1.087
01812																							98.3	1.045
01813																							89.6	1.073
01814																							342	1.003
01815																							80.1	1.071
01816																							51.2	1.087
01817																							233	0.985
01818																							30.5	1.059
01819																							132	1.053
01820																							90.5	1.037
01821																							889	1.042
01822																							158	1.032
01823																							7.4	1.085
01824																							123	1.066
01825																							295	1.029
01828																							55.1	1.053
01827																							11.2	1.031
01828	9.80	31.5	8.3	0.77	4.5	0.7	3.7	0.8	1.6	0.21	1.2	0.17	2.1	2.0	2	0.5	9	0.6	67.2	147	149	1.074		
01829	12.4	45.9	10.2	1.52	8.4	1.4	7.5	1.3	3.3	0.42	2.4	0.33	3.2	3.9	5	1.0	10	1.1	90.2	286	280	1.090		
01830	31.8	125	29.3	5.12	28.2	4.5	25.3	4.5	11.3	1.42	7.9	0.89	4.8	4.8	4	1.0	14	0.9	222	870	810	1.084		
01831																							5.8	1.010

Quality Control																									
Analyte Symbol	Au	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Ce	
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detection Limit	5	5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1	0.1	
Analysis Method	FA-AA	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	
GXR-1 Meas		74	< 20	7	30	1110	750	10		428	3	294	31	35	2	18	33.5	0.8	54	122	3.1	884	8.3	10.4	
GXR-1 Cert		80.0	12.0	8.20	41.0	1110	760	13.8		427	14.0	275	32.0	38.0	0.800	18.0	31.0	0.770	54.0	122	3.00	750	7.50	17.0	
WMG-1 Meas		163	780	108	2550	5800	120	10		7		38	15	68	8	< 2	1.1		2	4.9	< 0.5	113	8.8	18.0	
WMG-1 Cert		140	770	200	2700	5900	110	10.3		7.00		41.0	12.0	43.0	0.00	1.40	2.70		2.20	1.80	0.480	114	8.20	18.0	
DH-1a Meas																									
DH-1a Cert																									
DH-1a Meas																									
DH-1a Cert																									
DNC-1 Meas		149	280	55	250	100	80	15	1	< 5	4	144	18	43	2	< 2	< 0.5			< 0.5	< 0.5	102	4.0	8.0	
DNC-1 Cert		148	285	54.7	247	88.0	88.0	15.0	1.30	0.200	4.50	145	18.0	41.0	3.00	0.700	0.0270			0.000	0.340	114	3.80	10.8	
BIR-1 Meas		326	390	52	170	140	90	16	1	< 5	< 2	110	17	17	< 1	< 2	< 0.5		< 1	0.7	< 0.5	7	0.7	2.1	
BIR-1 Cert		313	382	51.4	108	128	71.0	16.0	1.50	0.440	0.250	108	18.0	16.0	0.600	0.500	0.0380		0.650	0.580	0.00500	7.00	0.620	1.95	
GXR-2 Meas		70	30	8	< 20	80	510	37		20	80	152	18	271	11	< 2	12.5	< 0.2	2	27.3	5.8	2030	27.8	58.2	
GXR-2 Cert		52.0	39.0	8.00	21.0	78.0	530	37.0		25.0	78.0	160	17.0	209	11.0	2.10	17.0	0.252	1.70	40.0	5.20	2240	25.8	51.4	
LKSD-3 Meas		74	70	30	50	40	150			16	77	243	30	181	8	< 2	1.8		2	< 0.5	2.5	838	51.5	98.8	
LKSD-3 Cert		82.0	87.0	30.0	47.0	35.0	152			27.0	78.0	240	30.0	178	8.00	2.00	2.70		3.00	1.30	2.30	880	52.0	90.0	
MAG-1 (Diplomat) Meas		112	80	20	40	30	140	18		0	128	115	21	85	5	< 2	< 0.5	< 0.2	2	< 0.5	8.3	374	38.7	78.5	
MAG-1 (Diplomat) Cert		140	97.0	20.4	53.0	30.0	130	20.4		8.20	149	148	28.0	120	12.0	1.00	0.0800	0.180	3.80	0.900	8.80	479	43.0	88.0	
SY-2 Meas																									
SY-2 Cert																									
SY-2 Meas																									
SY-2 Cert																									
W-2a Meas		281	80	40	80	100	90	17	1	< 5	18	181	21	106	8	< 2	< 0.5			< 0.5	0.9	160	11.0	23.9	
W-2a Cert		282	82.0	43.0	70.0	110	80.0	17.0	1.00	1.20	21.0	190	24.0	94.0	7.00	0.600	0.0460			0.780	0.090	182	10.0	23.0	
BL-4a Meas																									
BL-4a Cert																									
CDN-GS-2B Meas	2010																								
CDN-GS-2B Cert	2030																								
CDN-GS-P7A Meas	740																								
CDN-GS-P7A Cert	770																								
CTA-AC-1 Meas		103		< 1		80	40						335									851	> 2000	> 3000	
CTA-AC-1 Cert		104		2.72		54.0	38.0						272									767	2176	3328	
01829 Spill																									
01831 Spill																									
Method Blank Method Blank		< 5	< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5	< 2	< 2	< 1	< 5	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	< 3	< 0.1	< 0.1	
Method Blank Method Blank		< 5																							
Method Blank Method Blank																									

Quality Control																								
Analyte Symbol	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Ti	Pb	Bi	Th	U	U	Mass		
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g		
Detection Limit	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	0.1			
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	DNC		
GXR-1 Meas		9.8	3.2	0.89	4.1	0.9	5.3			0.43	2.3	0.31	0.9	< 0.1	184	0.5	730	1380	2.8	34.9				
GXR-1 Cert		18.0	2.70	0.090	4.20	0.830	4.30			0.430	1.90	0.280	0.980	0.175	184	0.380	730	1380	2.44	34.9				
WMG-1 Meas		10.3	2.5	0.81		0.5	2.7	0.5		0.22	1.3	0.20	1.7	0.3	< 1		16		1.3	0.7				
WMG-1 Cert		9.00	2.30	0.820		0.300	2.80	0.500		0.200	1.30	0.210	1.30	0.500	1.30		15.0		1.10	0.850				
DH-1a Meas																						2640		
DH-1a Cert																							2630	
DH-1a Meas																							2650	
DH-1a Cert																							2630	
DNC-1 Meas	1.21	5.4	1.5	0.87	2.1	0.5	3.1	0.8	2.0	0.34	2.0	0.31	1.1	< 0.1	< 1	< 0.1	6	< 0.4	0.3	< 0.1				
DNC-1 Cert	1.30	4.90	1.38	0.590	2.00	0.410	2.70	0.820	2.00	0.380	2.01	0.320	1.01	0.0980	0.200	0.0280	8.30	0.0200	0.200	0.100				
BIR-1 Meas	0.42	2.7	1.2	0.59	1.9	0.4	2.9	0.8	1.7	0.28	1.7	0.26	0.7	< 0.1	< 1	< 0.1	< 5	< 0.4	< 0.1	< 0.1				
BIR-1 Cert	0.380	2.50	1.10	0.540	1.85	0.380	2.50	0.570	1.70	0.280	1.85	0.290	0.600	0.0400	0.0700	0.0100	3.00	0.0200	0.0300	0.0100				
GXR-2 Meas		22.1	4.1	0.84	3.4	0.6	3.2			0.29	1.8	0.28	6.8	0.9	1	1.0	350	< 0.4	9.2	3.0				
GXR-2 Cert		19.0	3.50	0.810	3.30	0.480	3.30			0.300	2.04	0.270	8.30	0.900	1.90	1.03	690	0.690	8.80	2.90				
LKSD-3 Meas		47.6	8.4	1.55		1.0	5.3				2.8	0.41	4.0	0.7	< 1		27		11.4	4.7				
LKSD-3 Cert		44.0	8.00	1.50		1.00	4.90				2.70	0.400	4.80	0.700	2.00		29.0		11.4	4.80				
MAG-1 (Depleted) Meas	9.31	35.1	6.5	1.31	5.4	0.8	4.4	0.7	2.2	0.33	2.0	0.28	1.7	0.8	< 1	0.5	23	< 0.4	11.1	2.4				
MAG-1 (Depleted) Cert	9.30	38.0	7.50	1.60	5.60	0.990	5.20	1.02	3.00	0.430	2.80	0.400	3.70	1.10	1.40	0.590	24.0	0.340	11.9	2.70				
SY-2 Meas																							281	
SY-2 Cert																								284
SY-2 Meas																								287
SY-2 Cert																								284
W-2a Meas		13.5	3.4	1.15		0.7	3.9	0.7	2.1	0.34	1.9	0.29	2.6	0.5	< 1	0.1	7	< 0.4	2.3	0.5				
W-2a Cert		13.0	3.30	1.00		0.830	3.80	0.760	2.50	0.380	2.10	0.330	2.60	0.500	0.300	0.200	8.30	0.0300	2.40	0.530				
BL-4a Meas																							1280	
BL-4a Cert																							1250	
CDN-GS-2B Meas																								
CDN-GS-2B Cert																								
CDN-GS-P7A Meas																								
CDN-GS-P7A Cert																								
CTA-AC-1 Meas		1290	184	51.7	149	17.4					11.0	1.12	2.0	2.8					25.5	4.4				
CTA-AC-1 Cert		1087	162	48.7	124	13.9					11.4	1.06	1.13	2.65					21.8	4.4				
01629 Spill																							275	
01631 Spill																							1.017	
Method Blank Method Blank	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.4	< 0.1	< 0.1			5.7	
Method Blank Method Blank																								
Method Blank Method Blank																							< 0.1	
Method Blank Method Blank																							1.000	

Quality Analysis ...



Innovative Technologies

Date Submitted: 07-Mar-08

Invoice No.: A08-1133

Invoice Date: 24-Mar-08

Your Reference:

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

29 Rock samples were submitted for analysis.

The following analytical packages were requested: Code 1A2 Au - Fire Assay AA  
Code 5D-U-Total DNC  
Code 4B2-Std (1-10) Trace Elements Fusion ICP/MS(WRA4B2)

REPORT A08-1133

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### Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3  
We recommend using option 4B1 for accurate levels of the base metals Cu, Pb, Zn, Ni and Ag.  
Option 4B-INAA for As, Sb, high W >100ppm, Cr >1000ppm and Sn >50ppm by Code 5D.  
Values for these elements provided by Fusion ICP/MS, are order of magnitude only and are provided for general information. Mineralized samples should have the Quant option selected or request assays for values which exceed the range of option 4B1.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Eric Hoffman", written over a horizontal line.

Eric Hoffman, Ph.D.  
President/General Manager

### ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or  
+1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [ancaster@actlabsintl.com](mailto:ancaster@actlabsintl.com) ACTLABS GROUP WEBSITE <http://www.actlabsintl.com>



Analyte Symbol	Au	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Ce
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1	0.1
Analysis Method	FA-AA	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS

01632																								
01633																								
01634																								
01635																								
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01647																								
01648																								
01649																								
01650																								
01651																								
01652																								
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01654																								
01655	5	13	< 20	27	< 20	80	< 30	10	< 1	< 5	132	5	11	105	11	3	< 0.5	< 0.2	1	< 0.5	2.0	221	32.1	56.4
01656	283	13	20	43	< 20	100	< 30	7	< 1	< 5	88	5	45	94	9	4	< 0.5	< 0.2	< 1	< 0.5	1.0	110	74.3	127
01657	871	81	30	100	40	80	40	15	1	< 5	101	9	127	538	18	3	< 0.5	< 0.2	1	< 0.5	2.1	153	138	293
01658	17	202	30	83	40	40	110	30	2	< 5	68	7	41	300	18	< 2	< 0.5	< 0.2	< 1	< 0.5	1.1	91	182	380
01659	< 5	381	40	41	80	80	170	38	1	< 5	348	14	83	383	23	< 2	< 0.5	< 0.2	3	< 0.5	4.7	387	88.4	159

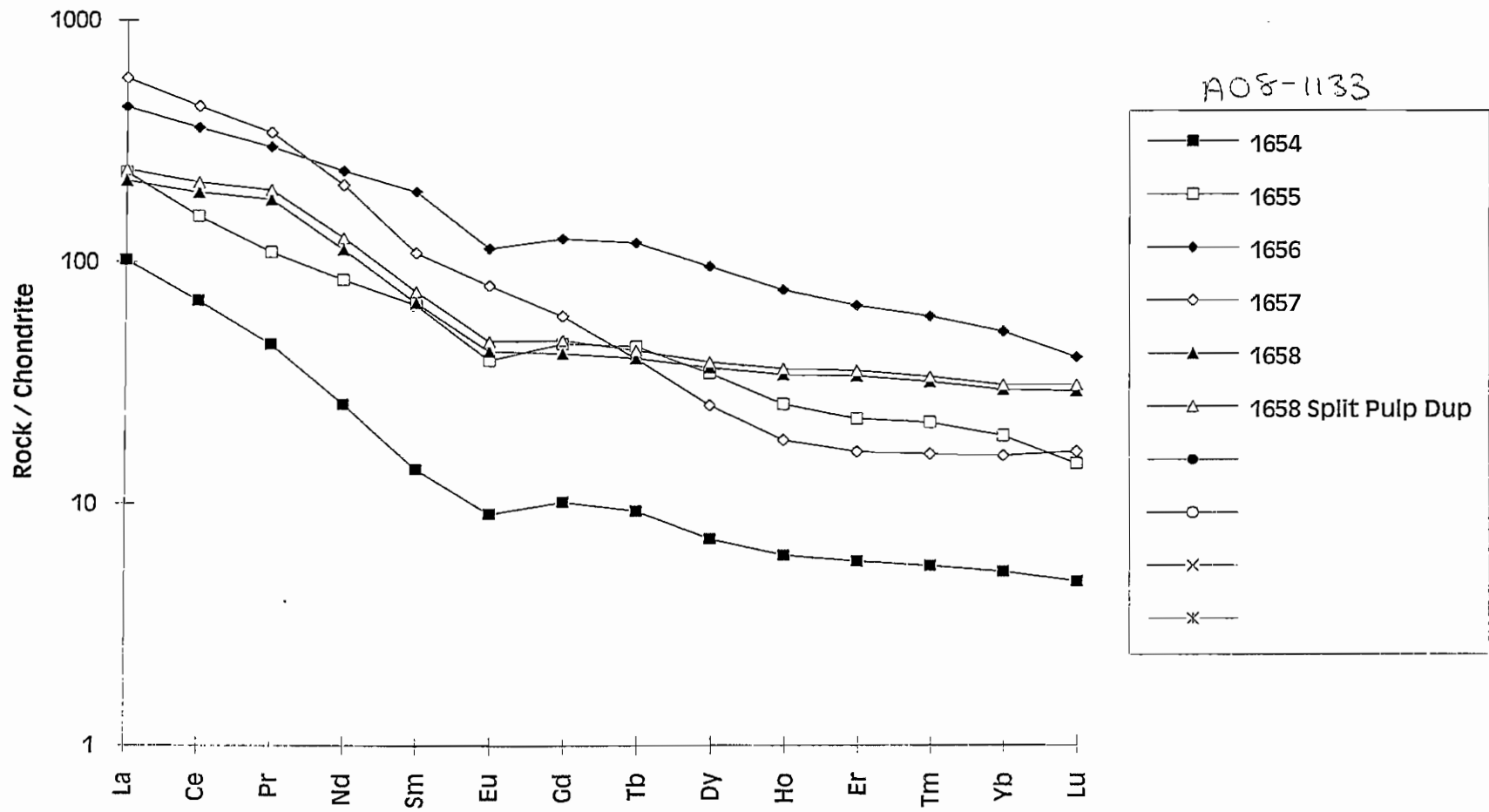
Activation Laboratories Ltd. Report: A08-1133

Analyte Symbol	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Ti	Pb	Bi	Th	U	U	Mass	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	
Detection Limit	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	0.1		
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	
01032																					92.8	1.041	
01033																						23.2	1.029
01034																						380	1.044
01035																						12.2	1.033
01036																						459	1.072
01037																						193	1.080
01038																						108	1.058
01039																						220	1.034
01040																						253	1.087
01041																						3.0	1.035
01042																						124	1.008
01043																						351	1.052
01044																						288	1.050
01045																						255	1.050
01046																						543	1.071
01047																						87.0	1.042
01048																						478	1.082
01049																						39.3	1.026
01050																						1140	1.041
01051																						206	1.065
01052																						10.0	1.045
01053																						32.8	1.021
01059																						3.5	1.075
01080																						120	1.054
01054	5.13	15.5	2.7	0.88	2.6	0.5	2.3	0.4	1.2	0.18	1.1	0.15	3.1	1.8	2	0.7	8	< 0.4	81.4	61.5			
01055	12.3	50.7	12.8	2.84	11.9	2.2	11.3	1.8	4.8	0.70	4.0	0.48	2.7	2.0	2	0.3	20	2.8	130	472			
01056	33.7	143	37.8	8.28	32.6	5.9	31.3	5.4	14.1	1.91	10.8	1.31	14.7	3.7	3	0.6	63	1.6	343	> 1000			
01057	38.8	125	21.1	5.81	15.5	2.0	8.3	1.3	3.5	0.52	3.3	0.53	7.9	1.7	3	0.8	8	< 0.4	42.2	103			
01058	20.5	87.8	13.1	3.10	10.9	2.0	11.8	2.4	7.2	1.02	6.2	0.85	9.2	1.3	8	2.2	8	< 0.4	7.2	4.7			

Quality Control																								
Analyte Symbol	Au	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Co
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1	0.1
Analysis Method	FA-AA	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
GXR-1 Meas		75	< 20	7	40	1110	750	16		428	3	261	32	32	2	18	33.7	0.8	54	122	3.0	809	7.8	16.2
GXR-1 Cert		80.0	12.0	8.20	41.0	1110	760	13.8		427	14.0	275	32.0	38.0	0.800	18.0	31.0	0.770	54.0	122	3.00	750	7.50	17.0
WMG-1 Meas		175	820	200	2680	5940	120	11		7		40	15	84	6	< 2	1.1		2	4.7	< 0.5	113	8.1	17.0
WMG-1 Cert		140	770	200	2700	5800	110	10.3		7.00		41.0	12.0	43.0	6.00	1.40	2.70		2.20	1.80	0.480	114	8.20	16.0
DH-1a Meas																								
DH-1a Cert																								
DH-1a Meas																								
DH-1a Cert																								
DNC-1 Meas		152	280	58	250	100	80	15	1	< 5	4	143	18	41	2	< 2	< 0.5			< 0.5	< 0.5	102	3.8	8.9
DNC-1 Cert		148	285	54.7	247	98.0	86.0	15.0	1.30	0.200	4.50	145	18.0	41.0	3.00	0.700	0.0270			0.080	0.340	114	3.80	10.8
BIR-1 Meas		322	390	51	100	130	90	16	1	< 5	< 2	108	16	18	< 1	< 2	< 0.5		< 1	< 0.5	< 0.5	7	0.7	2.1
BIR-1 Cert		313	382	51.4	168	128	71.0	18.0	1.50	0.440	0.250	108	18.0	18.0	0.800	0.500	0.0380		0.850	0.580	0.00500	7.00	0.820	1.95
GXR-2 Meas		71	40	8	< 20	80	510	37		20	79	154	19	254	11	< 2	12.4	< 0.2	2	26.8	5.5	2030	25.7	54.8
GXR-2 Cert		52.0	38.0	8.00	21.0	78.0	530	37.0		25.0	78.0	160	17.0	289	11.0	2.10	17.0	0.252	1.70	49.0	5.20	2240	25.8	51.4
LKSD-3 Meas		77	70	30	40	40	180			18	77	245	31	153	8	< 2	1.7		2	< 0.5	2.5	648	49.1	97.7
LKSD-3 Cert		82.0	87.0	30.0	47.0	35.0	152			27.0	78.0	240	30.0	178	8.00	2.00	2.70		3.00	1.30	2.30	880	52.0	90.0
MAG-1 (Depleted) Meas		118	80	20	40	30	140	19		8	120	110	22	61	6	< 2	< 0.5	< 0.2	2	< 0.5	8.2	372	36.1	78.3
MAG-1 (Depleted) Cert		140	87.0	20.4	53.0	30.0	130	20.4		9.20	149	148	28.0	128	12.0	1.80	0.0800	0.180	3.80	0.080	8.60	479	43.0	88.0
SY-2 Meas																								
SY-2 Cert																								
SY-2 Meas																								
SY-2 Cert																								
W-2a Meas		280	90	41	80	100	100	17	1	< 5	19	184	22	100	8	< 2	< 0.5			< 0.5	0.8	193	10.3	24.0
W-2a Cert		282	92.0	43.0	70.0	110	80.0	17.0	1.00	1.20	21.0	190	24.0	94.0	7.00	0.800	0.0460			0.790	0.990	182	10.0	23.0
BL-4a Meas																								
BL-4a Cert																								
CDN-GS-2B Meas	1940																							
CDN-GS-2B Cert	2030																							
CDN-GS-P7A Meas	740																							
CDN-GS-P7A Cert	770																							
CTA-AC-1 Meas		104		< 1		80	40						343									864	> 2000	> 3000
CTA-AC-1 Cert		104		2.72		54.0	38.0						272									787	2178	3328
01658 Orig	< 5	361	40	41	80	80	170	39	1	< 5	348	14	83	383	23	< 2	< 0.5	< 0.2	3	< 0.5	4.7	387	68.4	159
01658 Split	< 5	379	40	40	70	80	90	41	1	< 5	385	18	89	378	24	< 2	< 0.5	< 0.2	3	2.1	5.0	401	78.4	174
Method Blank Method		< 5	< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5	< 2	< 2	< 1	< 5	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	< 3	< 0.1	< 0.1
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Chart3



Quality Analysis ...



Innovative Technologies

Date Submitted: 17-Mar-08  
Invoice No.: A08-1282  
Invoice Date: 21-Apr-08  
Your Reference: PM 82+99

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

37 Rock samples were submitted for analysis.

The following analytical packages were requested: Code 5D-U-Total DNC  
Code 4B2-Std (11+) Trace Elements Fusion ICP/MS(WRA4B2)  
REPORT A08-1282 Code 1A2 Au - Fire Assay AA

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

### Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3  
We recommend using option 4B1 for accurate levels of the base metals Cu, Pb, Zn, Ni and Ag.  
Option 4B-INAA for As, Sb, high W >100ppm, Cr >1000ppm and Sn >50ppm by Code 5D.  
Values for these elements provided by Fusion ICP/MS, are order of magnitude only and are provided for general information. Mineralized samples should have the Quant option selected or request assays for values which exceed the range of option 4B1.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Eric Hoffman".

Eric Hoffman, Ph.D.  
President/General Manager

### ACTIVATION LABORATORIES LTD.

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Activation Laboratories Ltd. Report: A08-1282 rev

Analyte Symbol	Au	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Ce
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	50	5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1	0.1
Analysis Method	FA-AA	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
01681	< 50	11	< 20	15	< 20	50	150	4	< 1	9	38	58	41	149	15	3	< 0.5	< 0.2	< 1	< 0.5	1.3	7510	211	369
01682	< 50	11	< 20	16	< 20	60	90	3	< 1	12	38	43	29	108	11	4	< 0.5	< 0.2	2	< 0.5	1.7	8700	137	238
01683	< 50	12	< 20	18	< 20	20	< 30	4	< 1	7	38	53	38	135	13	3	< 0.5	< 0.2	< 1	< 0.5	1.4	12200	181	218
01684	< 50	11	< 20	18	< 20	30	120	4	< 1	< 5	37	55	38	140	13	4	< 0.5	< 0.2	< 1	< 0.5	1.3	12100	183	334
01685	< 50	8	< 20	3	< 20	< 10	50	3	< 1	< 5	36	127	8	80	3	3	< 0.5	< 0.2	< 1	3.3	1.1	30200	23.7	38.7
01686	< 50	11	< 20	8	< 20	90	50	3	< 1	< 5	42	42	18	79	8	< 2	1.4	< 0.2	2	< 0.5	1.3	10100	87.4	119
01687	< 50	13	< 20	20	< 20	70	480	4	< 1	8	48	89	48	154	13	3	< 0.5	< 0.2	< 1	< 0.5	1.5	18800	240	409
01688	< 50	13	< 20	31	< 20	100	1710	5	1	11	48	32	75	182	18	3	< 0.5	< 0.2	< 1	< 0.5	2.5	8010	374	838
01689	< 50	13	< 20	7	< 20	50	400	3	< 1	< 5	47	70	13	71	7	< 2	< 0.5	< 0.2	< 1	5.8	1.2	17100	89.8	119
01690	< 50	16	< 20	19	< 20	70	1720	5	1	14	53	17	85	198	23	2	< 0.5	< 0.2	< 1	0.7	1.5	3070	379	646
01691	< 50	15	< 20	19	< 20	80	990	4	< 1	8	50	31	44	132	13	3	< 0.5	< 0.2	< 1	< 0.5	1.3	8700	185	321
01692	< 50	11	20	17	< 20	70	100	4	< 1	7	45	84	30	110	11	3	< 0.5	< 0.2	< 1	0.5	1.1	20300	159	278
01693	< 50	13	< 20	12	< 20	70	480	4	< 1	10	48	72	25	103	9	< 2	< 0.5	< 0.2	2	< 0.5	1.1	19800	117	203
01694	< 50	13	< 20	16	< 20	50	810	4	< 1	8	49	47	43	198	13	< 2	< 0.5	< 0.2	< 1	< 0.5	1.8	10400	214	372
01695	< 50	11	< 20	11	< 20	40	730	4	< 1	< 5	47	25	23	95	9	3	< 0.5	< 0.2	< 1	< 0.5	1.0	5700	122	213
01696	< 50	134	< 20	45	< 20	40	270	20	2	10	45	117	38	124	5	< 2	< 0.5	< 0.2	2	1.8	3.3	485	21.0	41.4
01697	< 50	17	20	7	< 20	20	80	12	1	5	103	17	18	88	10	2	< 0.5	< 0.2	3	4.7	1.0	337	118	187
01698	< 50	9	< 20	10	< 20	70	< 30	3	< 1	< 5	38	15	22	85	7	< 2	< 0.5	< 0.2	< 1	< 0.5	0.9	384	103	179
01699	< 50	8	< 20	10	< 20	30	< 30	3	< 1	< 5	37	9	33	94	8	5	< 0.5	< 0.2	< 1	< 0.5	0.8	378	130	233
01700	< 50	9	< 20	6	< 20	40	< 30	3	< 1	< 5	34	8	11	52	5	< 2	< 0.5	< 0.2	< 1	3.5	0.7	335	50.5	89.8
01701	< 50	10	< 20	15	< 20	40	< 30	4	< 1	8	38	14	43	102	13	3	< 0.5	< 0.2	< 1	< 0.5	0.9	372	207	388
01702	< 50	7	< 20	8	< 20	30	< 30	3	< 1	< 5	36	9	18	81	7	< 2	< 0.5	< 0.2	< 1	1.5	0.8	348	85.7	119
01703	< 50	7	< 20	8	< 20	10	< 30	3	< 1	< 5	39	9	9	75	5	< 2	< 0.5	< 0.2	< 1	2.4	0.8	387	38.2	88.3
01704	< 50	7	< 20	10	< 20	10	< 30	3	< 1	< 5	38	13	22	88	7	< 2	< 0.5	< 0.2	< 1	< 0.5	0.8	358	93.0	188
01705	< 50	12	20	4	< 20	10	< 30	4	< 1	< 5	47	6	10	87	4	2	< 0.5	< 0.2	< 1	4.3	0.9	410	32.2	58.9
01706	< 50	15	30	19	< 20	10	< 30	8	< 1	8	51	7	50	185	16	2	< 0.5	< 0.2	< 1	< 0.5	1.1	512	230	408
01707	< 50	13	20	5	< 20	40	< 30	4	< 1	< 5	47	8	11	71	5	< 2	< 0.5	0.2	4	1.8	1.0	452	50.2	89.0
01708	< 50	11	< 20	15	< 20	40	< 30	4	< 1	5	42	7	48	157	11	3	< 0.5	< 0.2	1	< 0.5	0.8	429	170	301
01709	< 50	11	< 20	13	< 20	30	< 30	3	< 1	< 5	36	8	22	87	10	< 2	< 0.5	< 0.2	< 1	< 0.5	0.8	330	88.5	155
01710	< 50	9	20	14	< 20	10	< 30	3	< 1	5	38	8	28	89	8	< 2	< 0.5	< 0.2	< 1	0.8	0.7	359	100	177
01711	< 50	9	20	9	< 20	10	< 30	3	< 1	< 5	34	5	7	59	4	< 2	< 0.5	< 0.2	< 1	1.3	0.7	312	28.0	40.5
01712	< 50	8	< 20	10	< 20	< 10	< 30	3	< 1	< 5	37	8	18	97	7	< 2	< 0.5	< 0.2	< 1	< 0.5	0.7	355	88.8	155
01713	< 50	11	30	9	< 20	< 10	< 30	3	< 1	< 5	38	5	9	70	4	< 2	< 0.5	< 0.2	< 1	2.2	0.7	331	35.1	82.7
01714	< 50	10	30	9	< 20	< 10	< 30	3	< 1	8	41	5	15	86	6	< 2	< 0.5	< 0.2	< 1	6.1	0.7	382	88.8	124
01715	< 50	8	< 20	3	< 20	< 10	< 30	2	< 1	< 5	35	4	4	51	2	< 2	< 0.5	< 0.2	< 1	2.8	0.8	318	10.0	28.9
01716	< 50	118	< 20	55	< 20	30	250	20	2	10	54	120	38	132	8	2	< 0.5	< 0.2	2	5.9	3.8	353	17.8	37.7
01717	< 50	18	30	8	< 20	20	80	12	< 1	5	108	17	18	101	11	3	< 0.5	< 0.2	3	3.8	1.8	350	125	201

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Analyte Symbol	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Ti	Pb	Bi	Th	U	U	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	0.1	
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	DNC
01001	37.4	127	22.3	1.21	14.9	1.8	8.3	1.4	3.7	0.48	2.7	0.35	4.0	4.8	< 1	0.3	20	0.5	201	195	203	1.082
01002	23.0	78.3	14.3	0.71	9.8	1.2	5.9	1.0	2.7	0.36	2.0	0.29	3.0	3.4	< 1	0.4	9	1.8	128	142	147	1.060
01003	31.0	105	18.9	0.81	12.8	1.6	7.8	1.3	3.5	0.48	2.7	0.34	3.8	4.4	< 1	0.3	8	0.5	170	152	154	1.087
01004	32.9	111	19.9	0.79	13.0	1.6	7.4	1.2	3.2	0.42	2.3	0.31	4.1	4.2	< 1	0.3	11	< 0.4	170	131	133	1.088
01005	3.65	12.5	2.2	< 0.05	1.8	0.2	1.0	0.2	0.6	0.09	0.6	0.09	2.4	1.1	< 1	0.4	6	< 0.4	20.8	11.9	11.5	1.083
01006	11.2	37.2	8.9	0.28	5.1	0.7	3.3	0.9	1.5	0.20	1.2	0.16	2.5	1.8	< 1	0.4	8	< 0.4	70.4	89.2	94.4	1.086
01007	41.4	140	25.4	1.09	17.8	2.2	10.7	1.8	4.8	0.80	3.3	0.42	4.4	4.9	< 1	0.5	87	0.5	234	280	288	1.082
01008	66.3	224	39.7	1.97	27.2	3.2	15.8	2.6	6.8	0.88	4.7	0.59	5.1	6.3	< 1	0.6	288	1.4	353	336	357	1.043
01009	11.4	38.2	8.7	< 0.05	4.6	0.5	2.8	0.5	1.2	0.17	1.0	0.14	2.2	1.9	< 1	0.5	33	< 0.4	87.7	54.8	52.4	1.089
01070	67.0	229	41.7	2.14	29.5	3.7	17.9	3.0	7.8	1.02	5.5	0.98	5.5	7.7	< 1	0.8	365	1.4	370	445	480	1.089
01071	31.4	105	19.0	0.97	13.3	1.7	8.9	1.5	4.0	0.52	2.9	0.37	3.7	3.7	< 1	0.5	183	0.6	180	204	203	1.055
01072	27.0	91.0	16.4	0.80	11.0	1.3	6.3	1.1	2.7	0.37	2.0	0.27	3.3	4.0	< 1	0.5	56	0.8	158	150	145	1.058
01073	19.6	65.6	11.9	0.40	8.0	1.0	5.0	0.9	2.3	0.31	1.8	0.23	3.0	3.1	< 1	0.5	93	1.3	109	118	118	1.078
01074	36.7	125	22.2	1.08	15.1	1.9	8.9	1.5	3.9	0.51	2.9	0.38	5.8	4.2	< 1	0.5	52	0.8	205	199	210	1.057
01075	20.8	69.2	12.3	0.58	8.2	1.0	5.0	0.8	2.2	0.29	1.6	0.22	2.8	2.7	< 1	0.5	22	< 0.4	114	82.3	81.6	1.037
01076	4.80	19.7	5.1	1.49	5.8	0.9	5.9	1.3	3.9	0.57	3.5	0.53	3.5	0.5	< 1	0.3	47	0.5	6.4	3.2	2.9	1.092
01077	17.0	53.2	8.7	0.47	5.5	0.7	3.5	0.6	1.6	0.22	1.3	0.18	2.6	2.1	2	1.2	41	2.0	74.8	117	118	1.028
01078	17.4	59.1	10.4	0.77	7.0	0.9	4.3	0.7	2.0	0.28	1.5	0.20	2.3	2.0	< 1	0.3	13	< 0.4	82.2	95.8	98.2	1.025
01079	22.9	78.0	14.6	1.03	10.5	1.4	8.9	1.2	3.1	0.41	2.3	0.28	2.7	2.8	< 1	0.4	15	0.5	139	177	195	1.050
01080	8.48	28.6	5.0	0.38	3.3	0.4	2.0	0.4	1.0	0.13	0.8	0.12	1.5	1.0	< 1	0.3	< 5	< 0.4	43.0	32.9	34.2	1.082
01081	38.4	123	22.9	1.45	15.8	1.9	9.6	1.6	4.2	0.54	3.0	0.39	2.9	4.1	< 1	0.4	12	1.0	201	222	228	1.072
01082	11.3	38.2	7.0	0.51	5.2	0.7	3.7	0.8	1.6	0.22	1.3	0.17	2.3	1.8	< 1	0.3	7	< 0.4	84.9	65.5	66.4	1.016
01083	0.34	21.5	3.8	0.28	2.7	0.3	1.7	0.3	0.9	0.12	0.7	0.10	2.1	1.2	< 1	0.4	6	< 0.4	37.2	24.4	24.8	1.068
01084	18.4	58.8	10.8	0.75	7.5	0.9	4.5	0.8	2.1	0.29	1.7	0.24	3.0	2.1	< 1	0.4	42	0.5	122	106	111	1.073
01085	5.40	17.9	3.1	0.28	2.5	0.3	1.6	0.3	0.8	0.12	0.7	0.10	1.8	0.9	< 1	0.4	11	< 0.4	29.3	20.1	20.0	1.048
01088	41.0	137	23.8	1.87	17.8	2.2	10.7	1.8	4.8	0.84	3.5	0.43	5.0	6.6	< 1	0.4	7	1.4	223	194	194	1.066
01087	8.44	28.2	5.0	0.40	3.6	0.5	2.3	0.4	1.1	0.15	0.9	0.11	2.1	1.1	< 1	0.4	< 5	0.5	36.2	41.2	42.2	1.044
01088	30.2	99.5	17.7	1.31	13.9	1.8	9.5	1.6	4.4	0.58	3.2	0.38	4.4	3.2	9	0.4	7	1.1	185	205	220	1.097
01089	15.0	49.0	8.4	0.82	6.5	0.9	4.2	0.7	2.0	0.27	1.5	0.21	2.4	3.2	< 1	0.3	< 5	0.6	84.5	61.1	59.9	1.061
01090	17.2	58.4	9.9	0.79	7.6	1.2	5.4	0.9	2.4	0.32	1.7	0.21	3.2	3.2	< 1	0.3	< 5	0.7	90.9	73.7	72.3	1.087
01091	4.75	15.4	2.7	0.23	2.0	0.3	1.3	0.2	0.6	0.09	0.6	0.08	1.8	1.0	< 1	0.3	< 5	< 0.4	23.3	16.4	16.5	1.077
01092	14.9	48.5	8.4	0.64	6.2	0.7	3.4	0.6	1.5	0.21	1.2	0.15	2.7	1.9	< 1	0.3	< 5	0.8	88.3	54.1	53.9	1.084
01093	5.95	19.8	3.3	0.29	2.5	0.3	1.6	0.3	0.8	0.12	0.7	0.09	2.0	0.8	< 1	0.3	< 5	< 0.4	33.8	22.4	21.8	1.080
01094	11.8	39.8	8.9	0.52	5.0	0.8	3.1	0.5	1.4	0.19	1.1	0.14	2.5	1.4	< 1	0.4	9	0.5	71.6	54.8	55.0	1.088
01095	2.71	8.8	1.5	0.14	1.1	0.1	0.7	0.1	0.4	0.08	0.4	0.06	1.5	0.4	< 1	0.3	21	< 0.4	12.9	9.1	8.9	1.039
01096	4.42	18.3	4.7	1.58	5.5	1.0	6.2	1.3	4.2	0.81	3.9	0.59	3.8	0.5	< 1	0.4	47	< 0.4	5.3	2.0	2.0	1.081
01097	18.3	57.8	8.9	0.54	5.9	0.8	3.9	0.7	1.9	0.28	1.6	0.20	2.8	2.1	6	1.3	37	1.8	78.2	119	116	0.880



Quality Control																									
Analyte Symbol	Au	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Ln	Co	
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detection Limit	50	5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1	0.1	
Analysis Method	FA-AA	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	
GXR-1 Meas		81	< 20	8	40	1110	750	17		428	3	288	32	31	1	15	34.8	0.8	54	120	2.8	941	8.1	15.7	
GXR-1 Cort		80.0	12.0	8.20	41.0	1110	780	13.8		427	14.0	275	32.0	38.0	0.800	18.0	31.0	0.770	54.0	122	3.00	750	7.50	17.0	
WVG-1 Meas		170	790	185	2850	5110	120	10		12		40	15	81	5	< 2	2.7		2	8.1	< 0.5	118	8.4	17.3	
WVG-1 Cort		149	770	200	2700	5000	110	10.3		7.00		41.0	12.0	43.0	8.00	1.40	2.70		2.20	1.80	0.480	114	8.20	18.0	
DH-1a Meas																									
DH-1a Cort																									
DH-1a Meas																									
DH-1a Cort																									
DNC-1 Meas		147	280	55	250	100	70	14	1	< 5	4	138	17	38	1	< 2	< 0.5			4.3	< 0.5	108	3.8	8.3	
DNC-1 Cort		148	285	54.7	247	98.0	88.0	15.0	1.30	0.200	4.50	145	18.0	41.0	3.00	0.700	0.0270			0.880	0.340	114	3.80	10.8	
BIR-1 Meas		315	380	51	170	130	80	18	1	< 5	< 2	107	18	14	< 1	< 2	< 0.5			< 1	1.8	< 0.5	7	0.7	2.1
BIR-1 Cort		313	382	51.4	168	128	71.0	18.0	1.50	0.440	0.250	108	18.0	18.0	0.800	0.500	0.0360			0.850	0.580	0.00500	7.00	0.820	1.95
GXR-2 Meas		51	30	8	< 20	80	350	35		31	78	148	18	252	10	< 2	9.7	< 0.2	2	32.2	5.2	2120	28.2	52.8	
GXR-2 Cort		52.0	38.0	8.80	21.0	78.0	530	37.0		25.0	78.0	100	17.0	289	11.0	2.10	17.0	0.252	1.70	49.0	5.20	2240	25.8	51.4	
LKSD-3 Meas		77	80	30	40	30	150			21	78	238	30	178	7	< 2	2.7		2	1.8	2.3	884	48.4	91.2	
LKSD-3 Cort		82.0	87.0	30.0	47.0	35.0	152			27.0	78.0	240	30.0	178	8.00	2.00	2.70		3.00	1.30	2.30	880	52.0	90.0	
MAG-1 (Depleted) Meas		134	90	21	40	30	140	22		9	148	136	27	128	12	< 2	< 0.5	< 0.2	3	3.0	8.8	508	42.5	88.2	
MAG-1 (Depleted) Cort		140	97.0	20.4	53.0	30.0	130	20.4		8.20	149	148	28.0	128	12.0	1.80	0.8800	0.180	3.60	0.880	8.80	478	43.0	88.0	
SY-2 Meas																									
SY-2 Cort																									
SY-2 Meas																									
SY-2 Cort																									
W-2a Meas		253	90	42	80	110	80	17	1	< 5	20	188	21	95	8	< 2	< 0.5				1.7	0.8	176	11.0	23.8
W-2a Cort		262	92.0	43.0	79.0	110	80.0	17.0	1.00	1.20	21.0	180	24.0	84.0	7.90	0.800	0.0480				0.790	0.980	182	10.0	23.0
BL-4a Meas																									
BL-4a Cort																									
BL-4a Meas																									
BL-4a Cort																									
CDN-GS-2B Meas	2050																								
CDN-GS-2B Cort	2030																								
CDN-GS-P7A Meas	780																								
CDN-GS-P7A Cort	770																								
CTA-AC-1 Meas		103		< 1		80	50						318									883	1940	2940	
CTA-AC-1 Cort		104		2.72		54.0	38.0						272									787	2176	3328	
01870 Orig	< 50																								
01870 Dup	< 50																								
01875 Orig		11	< 20	11	< 20	40	740	4	< 1	5	48	25	28	99	8	3	< 0.5	< 0.2	< 1	< 0.5	1.1	5810	123	213	
01875 Dup		10	< 20	11	< 20	40	720	4	< 1	< 5	48	24	21	81	9	3	< 0.5	< 0.2	< 1	1.0	1.0	5580	121	213	
01880 Orig	< 50																								
01880 Dup	< 50																								
01890 Orig	< 50	9	20	14	< 20	10	< 30	3	< 1	5	38	6	28	98	8	< 2	< 0.5	< 0.2	< 1	0.8	0.7	359	100	177	
01890 Split	< 50	9	< 20	16	< 20	10	< 30	3	< 1	< 5	35	6	24	94	8	< 2	< 0.5	< 0.2	< 1	< 0.5	0.7	359	98.5	174	
01890 Orig	< 50																								
01890 Dup	< 50																								
01892 Orig		8	< 20	10	< 20	< 10	< 30	3	< 1	8	37	8	18	102	7	< 2	< 0.5	< 0.2	< 1	2.5	0.7	353	87.7	157	
01892 Dup		9	< 20	11	< 20	10	< 30	3	< 1	< 5	37	8	17	93	8	< 2	< 0.5	< 0.2	< 1	< 0.5	0.7	357	85.8	153	
01898 Orig	< 50	118	< 20	55	< 20	30	250	20	2	10	54	120	38	132	8	2	< 0.5	< 0.2	2	5.8	3.8	353	17.8	37.7	
01898 Split	< 50	121	< 20	58	< 20	40	280	21	2	9	55	125	39	133	8	3	< 0.5	< 0.2	2	4.3	3.8	381	17.4	37.1	
Method Blank Method Blank		< 5	< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5	< 2	< 2	< 1	< 5	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	< 3	< 0.1	< 0.1	
Method Blank Method Blank																									
Method Blank Method Blank	< 50																								
Method Blank Method Blank	< 50																								

Quality Control																							
Analyte Symbol	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U	U	Mass	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	
Detection Limit	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	0.1	g	
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	DNC	
GXR-1 Meas		8.4	2.9	0.88	4.0	0.9	4.8			0.41	2.3	0.30	0.8	< 0.1	184	0.8	730	1380	2.7	35.1			
GXR-1 Cert		18.0	2.70	0.690	4.20	0.830	4.30			0.430	1.80	0.280	0.980	0.175	184	0.380	730	1380	2.44	34.9			
WMG-1 Meas		9.2	2.4	0.78		0.4	2.4	0.5		0.22	1.3	0.19	1.8	< 1			19		1.2	0.7			
WMG-1 Cert		9.00	2.30	0.820		0.300	2.80	0.500		0.200	1.30	0.210	1.30	0.500	1.30		15.0		1.10	0.850			
DH-1a Meas																						2820	
DH-1a Cert																						2830	
DH-1a Meas																						2850	
DH-1a Cert																						2830	
DNC-1 Meas	1.00	4.5	1.4	0.80	1.9	0.4	2.6	0.8	2.0	0.31	1.9	0.28	1.0	< 0.1	< 1	< 0.1	5	< 0.4	0.2	< 0.1			
DNC-1 Cert	1.30	4.80	1.38	0.590	2.00	0.410	2.70	0.820	2.00	0.380	2.01	0.320	1.01	0.0980	0.200	0.0280	8.30	0.0200	0.200	0.100			
BIR-1 Meas	0.38	2.2	1.1	0.55	1.8	0.4	2.8	0.8	1.8	0.27	1.8	0.24	0.6	< 0.1	< 1	< 0.1	< 5	< 0.4	< 0.1	< 0.1			
BIR-1 Cert	0.380	2.50	1.10	0.540	1.85	0.380	2.50	0.570	1.70	0.280	1.65	0.280	0.800	0.0400	0.0700	0.0100	3.00	0.0200	0.0300	0.0100			
GXR-2 Meas		19.0	3.7	0.76	3.1	0.5	2.9			0.28	1.7	0.27	8.8	0.9	1	0.8	282	< 0.4	8.8	2.8			
GXR-2 Cert		19.0	3.50	0.810	3.30	0.480	3.30			0.300	2.04	0.270	8.30	0.900	1.80	1.03	890	0.890	8.80	2.90			
LKSD-3 Meas		42.0	7.7	1.50		0.9	4.9				2.7	0.41	4.7	0.7	< 1		27		11.3	4.8			
LKSD-3 Cert		44.0	8.00	1.50		1.00	4.90				2.70	0.400	4.80	0.700	2.00		28.0		11.4	4.80			
MAG-1 (Depleted) Meas	9.29	35.7	7.1	1.49	6.0	1.0	5.0	1.0	2.9	0.42	2.8	0.38	3.5	1.2	1	0.5	24	< 0.4	11.9	2.9			
MAG-1 (Depleted) Cert	9.30	38.0	7.50	1.60	5.80	0.960	5.20	1.02	3.00	0.430	2.60	0.400	3.70	1.10	1.40	0.580	24.0	0.340	11.9	2.70			
SY-2 Meas																						282	
SY-2 Cert																						284	
SY-2 Meas																						285	
SY-2 Cert																						284	
W-2a Meas		12.3	3.3	1.14		0.7	3.8	0.8	2.3	0.34	2.0	0.29	2.8	0.5	< 1	0.1	8	< 0.4	2.2	0.5			
W-2a Cert		13.0	3.30	1.00		0.830	3.80	0.780	2.50	0.380	2.10	0.330	2.80	0.500	0.300	0.200	9.30	0.0300	2.40	0.530			
BL-4a Meas																						1270	
BL-4a Cert																						1250	
BL-4a Meas																						1270	
BL-4a Cert																						1250	
CDN-GS-2B Meas																							
CDN-GS-2B Cert																							
CDN-GS-P7A Meas																							
CDN-GS-P7A Cert																							
CTA-AC-1 Meas		1090	188	49.3	138	18.2					11.3	1.09	1.8	2.9					24.0	4.2			
CTA-AC-1 Cert		1087	182	48.7	124	13.9					11.4	1.08	1.13	2.95					21.8	4.4			
01870 Orig																							
01870 Dup																							
01875 Orig	20.7	68.4	12.2	0.55	8.3	1.1	5.3	0.9	2.3	0.30	1.7	0.22	2.7	2.7	< 1	0.5	24	< 0.4	115	83.2			
01875 Dup	20.5	69.0	12.3	0.57	8.0	1.0	4.8	0.8	2.1	0.28	1.8	0.21	2.5	2.7	< 1	0.4	21	< 0.4	113	81.5			
01880 Orig																							
01880 Dup																							
01890 Orig	17.2	58.4	9.9	0.79	7.8	1.2	5.4	0.9	2.4	0.32	1.7	0.21	3.2	3.2	< 1	0.3	< 5	0.7	90.9	73.7	72.3	1.087	
01890 Split	16.7	55.3	9.5	0.75	7.5	1.1	5.1	0.8	2.3	0.30	1.7	0.20	2.7	2.2	< 1	0.2	< 5	< 0.4	90.1	74.5	73.6	1.078	
01890 Orig																							
01890 Dup																							
01892 Orig	15.1	50.0	8.4	0.84	6.1	0.7	3.3	0.6	1.5	0.20	1.1	0.14	2.7	1.8	< 1	0.3	6	1.0	84.8	52.3			
01892 Dup	14.7	48.0	8.4	0.84	6.2	0.7	3.4	0.8	1.8	0.21	1.2	0.16	2.6	2.0	< 1	0.3	< 5	0.5	87.7	55.8			
01898 Orig	4.42	18.3	4.7	1.58	5.5	1.0	6.2	1.3	4.2	0.61	3.9	0.58	3.8	0.5	< 1	0.4	47	< 0.4	5.3	2.0	2.0	1.081	
01898 Split	4.33	18.2	4.7	1.58	5.8	1.0	6.2	1.3	4.2	0.63	4.0	0.61	3.7	0.8	< 1	0.3	43	< 0.4	5.3	2.2	2.2	1.093	
Method Blank Method	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.4	< 0.1	< 0.1			
Method Blank Method																						< 0.1	1.000
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Method Blank Method																							
Method Blank Method																							

Quality Analysis ...



Innovative Technologies

Date Submitted: 19-Mar-08  
Invoice No.: A08-1351  
Invoice Date: 21-Apr-08  
Your Reference: PELE MOUNTAIN RESOURCE

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

44 Rock samples were submitted for analysis.

The following analytical packages were requested:

REPORT	A08-1351	Code 5D-U-Total DNC
		Code 1A2 Au - Fire Assay AA
		Code 4B2-Std (11+) Trace Elements Fusion ICP/MS(WRA4B2)

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### Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3  
We recommend using option 4B1 for accurate levels of the base metals Cu, Pb, Zn, Ni and Ag.  
Option 4B-INAA for As, Sb, high W >100ppm, Cr >1000ppm and Sn >50ppm by Code 5D.  
Values for these elements provided by Fusion ICP/MS, are order of magnitude only and are provided for general information. Mineralized samples should have the Quant option selected or request assays for values which exceed the range of option 4B1.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Eric Hoffman". The signature is written in a cursive style with a long horizontal stroke at the end.

Eric Hoffman, Ph.D.  
President/General Manager

### ACTIVATION LABORATORIES LTD.

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Activation Laboratories Ltd. Report: A08-1351

Analyte Symbol	Au	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Ce
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1	0.1
Analysis Method	FA-AA	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
01808	22																							
01809	8																							
01700	83																							
01701	9																							
01702	< 5																							
01703	22																							
01704	11																							
01705	5																							
01706	< 5																							
01707	7																							
01708	< 5	21	30	4	< 20	20	< 30	15	< 1	< 5	217	29	12	108	8	< 2	0.8	< 0.2	1	2.4	1.8	586	86.3	137
01709	21	17	30	32	< 20	30	< 30	12	< 1	7	149	24	49	130	31	< 2	< 0.5	< 0.2	< 1	< 0.5	1.2	407	280	536
01710	< 5	8	< 20	7	< 20	30	< 30	8	< 1	< 5	129	22	18	86	5	< 2	< 0.5	< 0.2	< 1	4.0	1.1	370	84.5	115
01711	< 5	10	30	9	< 20	20	< 30	14	< 1	< 5	199	28	23	121	15	< 2	< 0.5	< 0.2	< 1	2.6	1.7	497	151	254
01712	< 5	11	20	3	< 20	20	< 30	11	< 1	< 5	165	25	5	83	4	< 2	< 0.5	< 0.2	< 1	4.1	1.3	443	20.5	42.6
01713	18	121	< 20	42	< 20	30	300	20	1	8	43	118	37	135	5	< 2	< 0.5	< 0.2	< 1	5.2	2.7	320	19.6	41.6
01714		14	20	7	< 20	20	80	12	< 1	< 5	101	16	10	100	10	< 2	< 0.5	< 0.2	4	4.3	1.8	323	127	213
01715	< 5	15	20	13	< 20	40	< 30	13	< 1	5	181	25	54	181	18	< 2	38.8	< 0.2	< 1	5.5	1.3	424	268	500
01716	< 5	7	< 20	7	< 20	40	< 30	9	< 1	< 5	133	23	11	89	7	< 2	5.7	< 0.2	< 1	2.8	1.1	383	90.5	145
01717	< 5	10	< 20	11	< 20	60	< 30	10	< 1	< 5	142	26	19	85	11	< 2	1.0	< 0.2	< 1	2.3	1.2	423	123	228
01718	18	15	30	27	< 20	30	< 30	12	< 1	11	132	29	44	161	29	< 2	< 0.5	< 0.2	< 1	< 0.5	1.2	358	337	575
01719	< 5	15	20	8	< 20	20	< 30	13	< 1	< 5	170	47	12	85	8	< 2	< 0.5	< 0.2	< 1	1.8	1.4	504	100	173
01720	45	18	40	42	< 20	70	< 30	19	3	22	114	37	224	312	60	< 2	< 0.5	< 0.2	< 1	2.5	1.1	348	1240	2490
01721	8	13	< 20	8	< 20	40	< 30	10	< 1	< 5	144	23	11	73	6	< 2	< 0.5	< 0.2	< 1	2.2	1.2	398	88.2	151
01722	12	23	40	28	< 20	30	< 30	15	1	10	151	30	101	270	35	< 2	< 0.5	< 0.2	< 1	0.8	1.3	420	508	898
01723	12	31	50	27	20	40	< 30	16	1	12	191	28	87	252	34	4	< 0.5	< 0.2	1	< 0.5	1.3	408	550	905
01724	30	45	50	37	40	20	40	18	1	15	188	29	104	410	68	9	0.8	< 0.2	< 1	< 0.5	1.4	374	727	1210
01725	58	48	50	54	30	20	40	17	1	23	144	23	128	308	92	7	< 0.5	< 0.2	1	< 0.5	1.1	288	827	1440
01726	39	39	40	33	< 20	30	< 30	11	1	21	110	15	61	154	50	14	< 0.5	< 0.2	2	2.3	0.9	280	347	575
01727	53	34	30	39	20	50	< 30	11	< 1	22	111	15	93	185	49	8	< 0.5	< 0.2	1	1.5	0.8	247	374	806
01728	42	30	30	39	< 20	50	40	11	1	27	111	16	54	122	50	9	< 0.5	< 0.2	1	2.5	0.8	251	376	812
01729	29	24	30	28	< 20	40	< 30	11	< 1	18	127	21	61	181	42	5	< 0.5	< 0.2	1	1.8	1.1	330	304	561
01730	13	15	30	23	20	80	< 30	11	< 1	10	118	22	42	108	23	2	< 0.5	< 0.2	< 1	< 0.5	1.0	333	268	507
01731	< 5	21	30	11	30	30	< 30	14	< 1	6	175	27	28	145	18	3	< 0.5	< 0.2	1	1.8	1.4	433	237	428
01732	10	21	30	28	< 20	20	< 30	11	< 1	10	135	22	42	151	33	4	< 0.5	< 0.2	< 1	< 0.5	1.2	352	265	479
01733	7	24	20	11	< 20	20	< 30	13	< 1	6	159	24	28	129	17	4	< 0.5	< 0.2	2	3.6	1.3	412	184	260
01734	135	17	30	53	30	30	< 30	10	2	53	80	17	228	115	88	23	< 0.5	< 0.2	2	4.5	0.9	210	543	988
01735	20	18	20	27	< 20	30	< 30	11	< 1	13	128	22	43	107	27	2	< 0.5	< 0.2	< 1	0.7	1.1	345	206	399
01736	78	17	40	98	50	40	< 30	11	1	22	102	20	88	116	70	7	< 0.5	< 0.2	< 1	< 0.5	0.9	304	507	878
01737	15	12	< 20	29	< 20	80	< 30	9	< 1	8	116	21	22	53	20	< 2	< 0.5	< 0.2	< 1	1.3	1.0	315	107	183
01738	6	32	40	3	< 20	20	< 30	17	< 1	< 5	239	32	10	122	10	< 2	< 0.5	< 0.2	2	1.8	2.1	603	35.4	57.3
01739	< 5	22	30	3	< 20	10	< 30	14	< 1	< 5	199	28	7	108	8	4	< 0.5	< 0.2	1	4.2	1.7	508	28.7	54.3
01740	< 5	147	< 20	47	< 20	40	210	21	2	< 5	47	123	37	140	7	< 2	< 0.5	< 0.2	2	4.4	2.7	271	18.6	39.5
01741		18	20	9	< 20	20	70	13	< 1	5	107	17	18	100	12	3	< 0.5	< 0.2	2	3.8	1.9	350	134	228

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Analyte Symbol	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U	U	Mass	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	
Detection Limit	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	0.1		
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	DNC	
01608																					84.7	1.042	
01609																						182	1.061
01700																						55.5	1.058
01701																						50.0	1.073
01702																						20.5	1.062
01703																						309	1.072
01704																						131	1.008
01705																						81.9	1.010
01706																						51.0	1.081
01707																						125	1.088
01708	11.2	32.1	5.7	0.34	4.1	0.5	2.3	0.4	1.1	0.15	0.8	0.13	3.0	1.4	< 1	1.4	13	< 0.4	44.5	32.5	33.5	1.018	
01709	48.8	159	28.8	1.87	19.8	2.4	10.9	1.8	4.8	0.82	3.4	0.43	4.4	8.0	3	0.7	21	2.2	205	213	228	1.075	
01710	10.0	33.3	9.5	0.41	5.0	0.8	3.8	0.7	1.8	0.25	1.4	0.20	1.8	1.0	< 1	1.0	18	< 0.4	52.3	97.9	99.5	1.081	
01711	21.5	65.8	11.7	0.63	8.2	1.0	4.4	0.8	2.2	0.30	1.8	0.22	3.4	3.3	2	1.4	18	1.1	87.9	86.4	71.0	1.008	
01712	3.28	0.2	1.8	0.12	1.2	0.1	0.7	0.1	0.4	0.08	0.4	0.07	1.8	0.7	< 1	1.5	15	< 0.4	12.5	6.2	8.5	1.079	
01713	4.47	18.9	5.1	1.03	5.7	1.0	6.3	1.3	4.1	0.80	3.6	0.58	3.7	0.4	< 1	0.3	180	< 0.4	5.7	2.4	2.8	1.038	
01714	17.7	55.2	9.2	0.51	8.1	0.8	3.5	0.8	1.7	0.22	1.3	0.18	2.8	2.0	3	1.0	31	1.5	71.2	110	113	1.057	
01715	44.8	148	28.0	1.50	19.8	2.6	12.0	2.2	5.8	0.77	4.2	0.52	4.4	4.4	2	1.1	33	2.3	248	330	357	1.029	
01716	12.0	37.2	6.2	0.37	4.4	0.5	2.1	0.4	1.0	0.13	0.8	0.11	2.3	1.5	< 1	0.9	14	0.8	59.8	34.1	40.8	1.036	
01717	19.7	62.5	11.2	0.80	7.4	0.9	4.1	0.7	1.8	0.24	1.4	0.18	2.3	2.4	1	1.0	18	1.3	82.4	98.3	108	1.001	
01718	54.1	188	29.8	1.58	21.2	2.3	9.6	1.8	4.2	0.52	2.9	0.37	4.3	6.0	3	0.8	29	3.1	288	145	189	1.009	
01719	14.3	42.7	7.4	0.40	5.0	0.8	2.4	0.4	1.1	0.15	0.8	0.12	2.3	1.1	< 1	1.1	11	0.5	44.4	40.4	45.1	1.044	
01720	247	780	153	6.08	108	12.5	53.8	8.8	22.2	2.77	14.9	1.77	8.7	18.3	8	0.7	100	21.3	1170	> 1000	1320	1.001	
01721	12.7	36.7	6.4	0.34	4.4	0.5	2.2	0.4	1.0	0.13	0.7	0.11	2.2	1.2	< 1	1.2	13	0.8	36.7	31.0	36.3	1.081	
01722	88.9	278	54.0	2.55	40.2	4.8	21.9	3.8	9.5	1.28	6.7	0.84	7.4	8.7	4	0.9	53	3.5	421	388	480	1.077	
01723	88.8	286	51.8	2.54	37.5	4.3	20.0	3.3	8.5	1.13	6.3	0.79	6.7	7.8	4	0.9	49	2.9	403	413	452	1.053	
01724	113	366	64.0	3.12	51.3	5.2	22.2	3.8	10.2	1.25	7.1	0.86	11.3	14.1	6	0.7	45	1.4	497	254	273	1.083	
01725	133	433	75.2	3.53	54.3	6.1	28.5	4.4	11.8	1.47	8.2	1.07	8.7	21.9	9	0.5	61	2.9	589	295	323	1.058	
01726	49.2	158	28.2	1.43	20.6	2.5	12.3	2.1	5.8	0.76	4.2	0.58	4.1	11.2	5	0.7	42	4.1	247	214	242	1.035	
01727	52.8	170	29.8	1.53	22.0	2.7	12.9	2.2	5.9	0.79	4.3	0.57	4.8	12.0	5	0.7	41	4.6	276	202	243	1.077	
01728	56.2	185	31.5	1.58	22.2	2.4	10.9	1.8	5.0	0.88	3.6	0.47	3.7	13.8	5	0.8	58	6.3	254	147	163	1.081	
01729	50.0	167	29.9	1.54	21.1	2.6	13.0	2.2	6.0	0.83	4.6	0.80	5.2	9.8	4	0.8	47	3.7	279	283	317	1.075	
01730	45.0	149	28.2	1.38	17.8	2.1	0.4	1.6	4.1	0.55	3.1	0.38	2.9	5.0	2	0.5	24	1.4	225	233	289	1.021	
01731	39.8	120	20.0	1.04	13.1	1.4	6.1	1.0	2.9	0.35	2.0	0.26	3.9	3.6	2	1.2	28	0.8	189	98.2	107	1.059	
01732	41.4	133	22.8	1.38	15.8	1.8	8.8	1.5	4.3	0.58	3.3	0.43	4.4	8.1	3	0.7	23	1.2	222	200	207	1.081	
01733	21.2	87.9	11.9	0.77	8.7	1.1	5.3	0.9	2.8	0.35	2.1	0.28	3.6	3.0	2	1.1	23	0.9	88.3	80.1	82.3	1.037	
01734	90.8	351	84.3	5.51	89.7	10.5	55.4	9.9	26.1	3.57	20.4	2.53	3.9	25.5	9	0.8	142	17.3	916	> 1000	2850	1.050	
01735	35.5	120	22.8	1.34	15.7	2.0	9.8	1.7	4.5	0.82	3.5	0.46	3.0	6.4	3	0.7	34	1.8	193	319	348	1.027	
01736	84.0	258	48.5	2.86	34.5	3.5	15.8	2.8	9.9	0.87	4.8	0.80	3.8	23.8	8	0.6	47	7.8	407	378	351	1.037	
01737	15.5	51.7	9.8	0.78	7.4	0.9	4.8	0.8	2.2	0.30	1.7	0.22	1.8	5.5	2	0.7	15	4.0	84.7	143	162	1.004	
01738	4.90	16.2	3.1	0.37	2.4	0.3	1.7	0.3	1.0	0.15	1.0	0.15	3.5	1.4	1	1.5	12	< 0.4	27.3	29.2	28.4	1.004	
01739	4.94	17.2	3.0	0.30	1.9	0.2	1.1	0.2	0.7	0.10	0.7	0.11	3.0	1.0	1	1.4	13	< 0.4	20.9	8.1	8.9	1.030	
01740	4.22	17.8	4.9	1.80	5.5	0.9	8.1	1.3	4.0	0.57	3.8	0.58	3.0	0.5	< 1	0.4	143	< 0.4	6.2	3.7	3.8	1.083	
01741	18.6	55.5	9.8	0.55	8.6	0.8	3.8	0.7	1.9	0.28	1.5	0.21	3.0	2.2	2	1.0	25	1.3	82.5	123	121	1.031	

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Quality Control																								
Analyte Symbol	Au	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Ce
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1	0.1
Analysis Method	FA-AA	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
GXR-1 Meas		78	< 20	8	40	1110	750	10		420	3	280	32	32	1	15	35.4	0.8	54	121	2.9	831	8.8	18.4
GXR-1 Cert		80.0	12.0	8.20	41.0	1110	760	13.8		427	14.0	275	32.0	38.0	0.800	18.0	31.0	0.770	54.0	122	3.00	750	7.50	17.0
VMG-1 Meas		171	810	202	2670	5020	120	10		12		39	15	81	5	< 2	0.9		2	8.2	< 0.5	115	8.8	18.1
VMG-1 Cert		140	770	200	2700	5000	110	10.3		7.00		41.0	12.0	43.0	8.00	1.40	2.70		2.20	1.80	0.480	114	8.20	18.0
DH-1a Meas																								
DH-1a Cert																								
DH-1a Meas																								
DH-1a Cert																								
DNC-1 Meas		144	270	55	250	90	70	14	1	< 5	4	138	17	37	1	< 2	< 0.5			4.0	< 0.5	104	3.0	8.0
DNC-1 Cert		148	285	54.7	247	98.0	86.0	15.0	1.30	0.200	4.50	145	18.0	41.0	3.00	0.700	0.0270			0.980	0.340	114	3.80	10.5
BIR-1 Meas		310	390	52	170	130	90	16	1	< 5	< 2	106	16	15	< 1	< 2	< 0.5		< 1	2.3	< 0.5	7	0.8	2.3
BIR-1 Cert		313	382	51.4	168	128	71.0	10.0	1.50	0.440	0.250	108	16.0	16.0	0.800	0.500	0.0380		0.650	0.580	0.00500	7.00	0.820	1.05
GXR-2 Meas		50	30	8	< 20	80	370	36		32	78	148	18	258	10	< 2	9.1	< 0.2	1	32.0	5.2	2130	27.0	55.4
GXR-2 Cert		52.0	36.0	8.60	21.0	76.0	530	37.0		25.0	78.0	180	17.0	200	11.0	2.10	17.0	0.252	1.70	46.0	5.20	2240	25.0	51.4
LKSD-3 Meas		74	80	29	50	30	150			22	74	237	29	177	8	< 2	1.4		2	1.0	2.3	876	51.8	94.9
LKSD-3 Cert		82.0	87.0	30.0	47.0	35.0	152			27.0	78.0	240	30.0	178	8.00	2.90	2.70		3.00	1.30	2.30	680	52.0	90.0
MAG-1 (Diplomat) Meas		134	90	21	50	30	150	22		10	148	134	27	125	13	< 2	< 0.5	< 0.2	3	3.1	8.6	498	45.2	90.5
MAG-1 (Diplomat) Cert		140	97.0	20.4	53.0	30.0	130	20.4		0.20	149	148	28.0	126	12.0	1.80	0.0800	0.180	3.60	0.990	8.60	470	43.0	88.0
SY-2 Meas																								
SY-2 Cert																								
SY-2 Meas																								
SY-2 Cert																								
W-2a Meas		251	90	42	70	110	100	17	1	< 5	18	183	21	85	7	< 2	< 0.5			1.8	0.9	171	11.5	24.4
W-2a Cert		282	92.0	43.0	70.0	110	80.0	17.0	1.00	1.20	21.0	190	24.0	84.0	7.00	0.600	0.0480			0.790	0.990	182	10.0	23.0
BL-4a Meas																								
BL-4a Cert																								
BL-4a Meas																								
BL-4a Cert																								
CDN-GS-2B Meas	1000																							
CDN-GS-2B Cert	2030																							
CDN-GS-P7A Meas	783																							
CDN-GS-P7A Cert	770																							
CDN-GS-P7A Meas	828																							
CDN-GS-P7A Cert	770																							
CTA-AC-1 Meas		105		< 1		80	40					337										880	> 2000	> 3000
CTA-AC-1 Cert		104		2.72		54.0	38.0					272										767	2176	3328
01707 Orig	6																							
01707 Dup	8																							
01717 Orig	< 5																							
01717 Dup	12																							
01722 Orig		22	40	25	< 20	30	< 30	14	1	10	149	20	99	270	34	< 2	< 0.5	< 0.2	< 1	0.7	1.3	410	405	874
01722 Dup		23	40	28	< 20	30	< 30	15	1	10	154	30	103	270	37	< 2	< 0.5	< 0.2	< 1	1.0	1.4	429	522	919
01727 Orig	53	34	30	30	20	50	< 30	11	< 1	22	111	15	83	165	49	6	< 0.5	< 0.2	1	1.5	0.8	247	374	608
01727 Spilt	49	37	30	30	< 20	40	30	12	1	23	128	18	72	184	55	5	< 0.5	< 0.2	1	3.0	1.0	285	405	824
01727 Orig	35																							
01727 Dup	70																							
01739 Orig		23	30	3	< 20	10	< 30	14	< 1	< 5	203	29	7	110	8	4	< 0.5	< 0.2	1	5.3	1.8	522	28.7	54.4
01739 Dup		21	30	3	< 20	10	< 30	13	< 1	< 5	192	27	7	105	7	3	< 0.5	< 0.2	1	3.2	1.7	495	28.8	54.2
01740 Orig	< 5	147	< 20	47	< 20	40	210	21	2	< 5	47	123	37	140	7	< 2	< 0.5	< 0.2	2	4.4	2.7	271	18.8	39.5
01740 Spilt	< 5	128	< 20	42	< 20	40	180	18	1	< 5	41	110	34	124	6	< 2	< 0.5	< 0.2	1	1.4	2.3	245	17.3	30.5
Method Blank Method	< 5	< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5	< 2	< 2	< 1	< 5	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	< 3	< 0.1	< 0.1	
Blank																								
Method Blank Method	< 5																							
Blank																								
Method Blank Method	< 5																							
Blank																								
Method Blank Method	< 5																							
Blank																								

Quality Control																						
Analyte Symbol	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Ti	Pb	Bi	Th	U	U	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	0.1	
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	DNC
GXR-1 Meas		8.8	3.0	0.88	4.1	0.9	4.7			0.42	2.3	0.32	0.9	< 0.1	164	0.8	730	1380	2.7	34.2		
GXR-1 Cert		18.0	2.70	0.680	4.20	0.830	4.30			0.430	1.90	0.280	0.960	0.175	164	0.390	730	1380	2.44	34.9		
WMG-1 Meas		9.2	2.4	0.75		0.4	2.4	0.5		0.22	1.3	0.20	1.6	0.3	< 1		18		1.2	0.7		
WMG-1 Cert		8.00	2.30	0.820		0.300	2.80	0.500		0.200	1.30	0.210	1.30	0.500	1.30		15.0		1.10	0.650		
DH-1a Meas																						2680
DH-1a Cert																						2630
DH-1a Meas																						2620
DH-1a Cert																						2630
DNC-1 Meas	1.01	4.7	1.4	0.81	2.0	0.4	2.7	0.6	2.0	0.31	1.9	0.29	1.0	< 0.1	< 0.1	< 0.1	< 5	< 0.4	0.3	< 0.1		
DNC-1 Cert	1.30	4.00	1.38	0.590	2.00	0.410	2.70	0.620	2.00	0.380	2.01	0.320	1.01	0.0980	0.200	0.0280	8.30	0.0200	0.200	0.100		
BIR-1 Meas	0.38	2.4	1.1	0.56	1.8	0.4	2.6	0.6	1.8	0.28	1.7	0.29	0.6	< 0.1	< 0.1	< 0.1	< 5	< 0.4	< 0.1	< 0.1		
BIR-1 Cert	0.380	2.50	1.10	0.540	1.85	0.380	2.50	0.570	1.70	0.280	1.65	0.260	0.600	0.0400	0.0700	0.0100	3.00	0.0200	0.0300	0.0100		
GXR-2 Meas		19.8	3.7	0.83	3.4	0.5	2.9			0.28	1.8	0.28	8.0	0.9	1	0.9	267	< 0.4	8.7	2.9		
GXR-2 Cert		19.0	3.50	0.810	3.30	0.480	3.30			0.300	2.04	0.270	8.30	0.900	1.90	1.03	690	0.680	8.80	2.80		
LKSD-3 Meas		42.2	7.8	1.51		0.9	4.8				2.7	0.42	4.7	0.7	< 1		25		11.2	4.5		
LKSD-3 Cert		44.0	8.00	1.50		1.00	4.80				2.70	0.400	4.80	0.700	2.00		29.0		11.4	4.60		
MAG-1 (Diluted) Meas	8.34	38.1	7.2	1.49	6.3	1.0	5.0	0.9	2.9	0.42	2.5	0.38	3.8	1.2	1	0.5	22	< 0.4	11.9	2.8		
MAG-1 (Diluted) Cert	8.30	38.0	7.50	1.00	5.80	0.860	5.20	1.02	3.00	0.430	2.80	0.400	3.70	1.10	1.40	0.590	24.0	0.340	11.9	2.70		
SY-2 Meas																						280
SY-2 Cert																						284
SY-2 Meas																						281
SY-2 Cert																						284
W-2a Meas		12.3	3.2	1.12		0.7	3.7	0.8	2.3	0.34	2.0	0.30	2.8	0.5	< 1	0.1	7	< 0.4	2.2	0.5		
W-2a Cert		13.0	3.30	1.00		0.830	3.80	0.790	2.50	0.380	2.10	0.330	2.80	0.500	0.300	0.200	9.30	0.0300	2.40	0.530		
BL-4a Meas																						1270
BL-4a Cert																						1250
BL-4a Meas																						1280
BL-4a Cert																						1250
CDN-GS-2B Meas																						
CDN-GS-2B Cert																						
CDN-GS-P7A Meas																						
CDN-GS-P7A Cert																						
CDN-GS-P7A Meas																						
CDN-GS-P7A Cert																						
CTA-AC-1 Meas		1100	165	47.9	146	18.0					11.4	1.08	2.0	2.8					23.7	4.1		
CTA-AC-1 Cert		1087	162	40.7	124	13.9					11.4	1.08	1.13	2.85					21.8	4.4		
01707 Orig																						
01707 Dup																						
01717 Orig																						
01717 Dup																						
01722 Orig	87.1	270	53.1	2.50	39.4	4.8	21.4	3.8	9.3	1.23	6.6	0.80	7.4	8.4	4	0.8	52	3.6	409	388		
01722 Dup	80.7	276	59.1	2.59	41.1	4.7	22.4	3.7	9.7	1.30	6.8	0.87	7.5	9.1	4	0.8	53	3.4	434	407		
01727 Orig	52.8	170	28.8	1.53	22.0	2.7	12.9	2.2	5.9	0.79	4.3	0.57	4.8	12.0	5	0.7	41	4.8	278	202	243	1.077
01727 Spill	58.0	180	33.1	1.67	24.8	3.0	14.1	2.4	6.0	0.89	4.8	0.63	5.0	13.3	5	0.8	47	5.0	314	233	242	1.089
01727 Orig																						
01727 Dup																						
01730 Orig	4.82	17.3	3.0	0.30	2.0	0.2	1.1	0.2	0.7	0.10	0.7	0.12	3.1	1.1	1	1.5	15	< 0.4	21.3	8.5		
01730 Dup	4.85	17.2	2.9	0.31	1.9	0.2	1.1	0.2	0.8	0.10	0.8	0.10	3.0	1.0	1	1.3	11	< 0.4	20.5	7.8		
01740 Orig	4.22	17.8	4.9	1.98	5.5	0.9	6.1	1.3	4.0	0.57	3.8	0.50	3.0	0.5	< 1	0.4	143	< 0.4	8.2	3.7	3.8	1.083
01740 Spill	3.92	16.4	4.8	1.52	5.1	0.9	5.5	1.2	3.8	0.53	3.3	0.52	3.4	0.5	< 1	0.3	98	< 0.4	5.8	3.4	3.9	1.034
Method Blank Method Blank	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.4	< 0.1	< 0.1		
Method Blank Method Blank																					< 0.1	1.000
Method Blank Method Blank																						
Method Blank Method Blank																						

Chart94

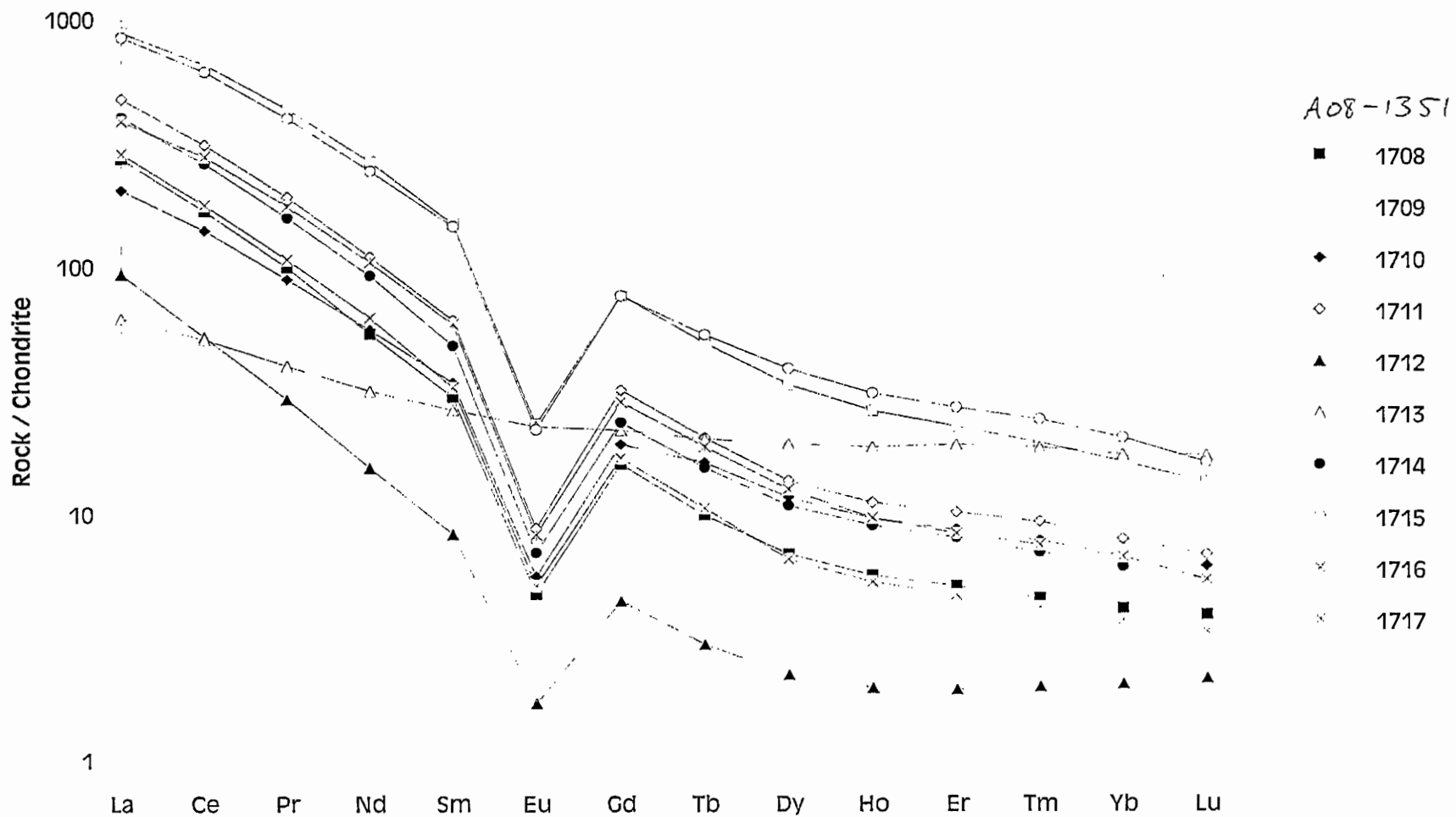




Chart95

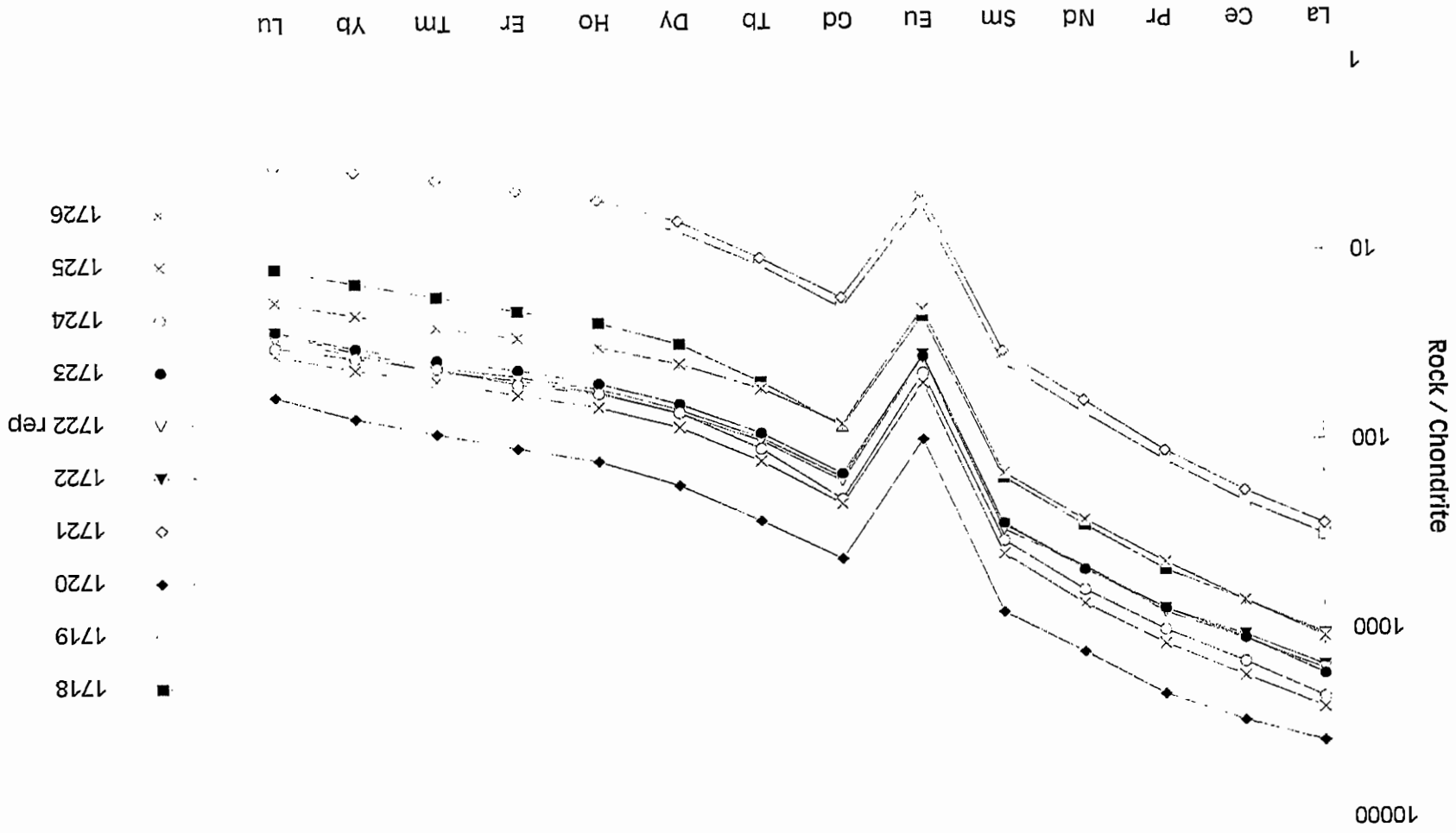


Chart96

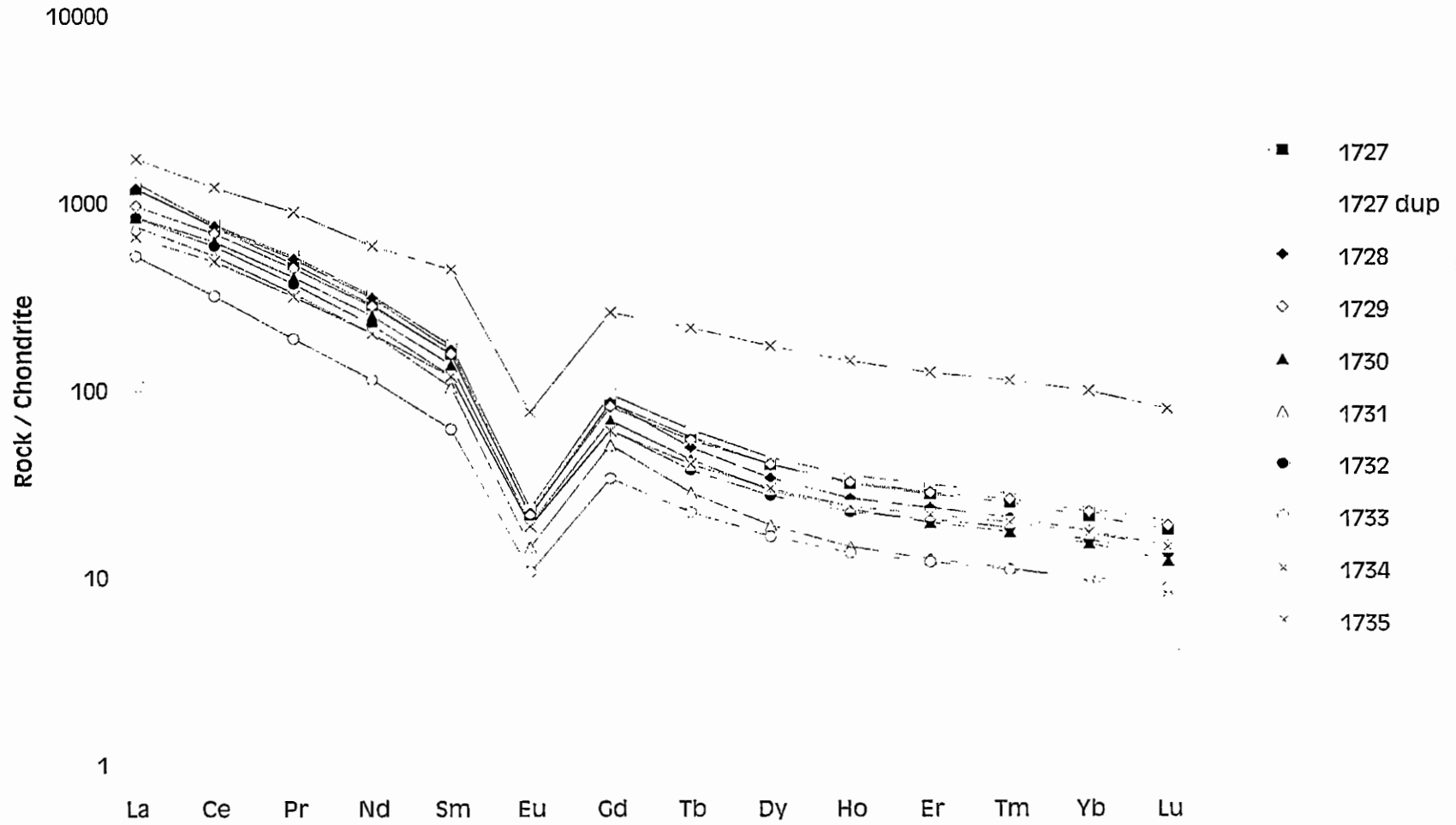
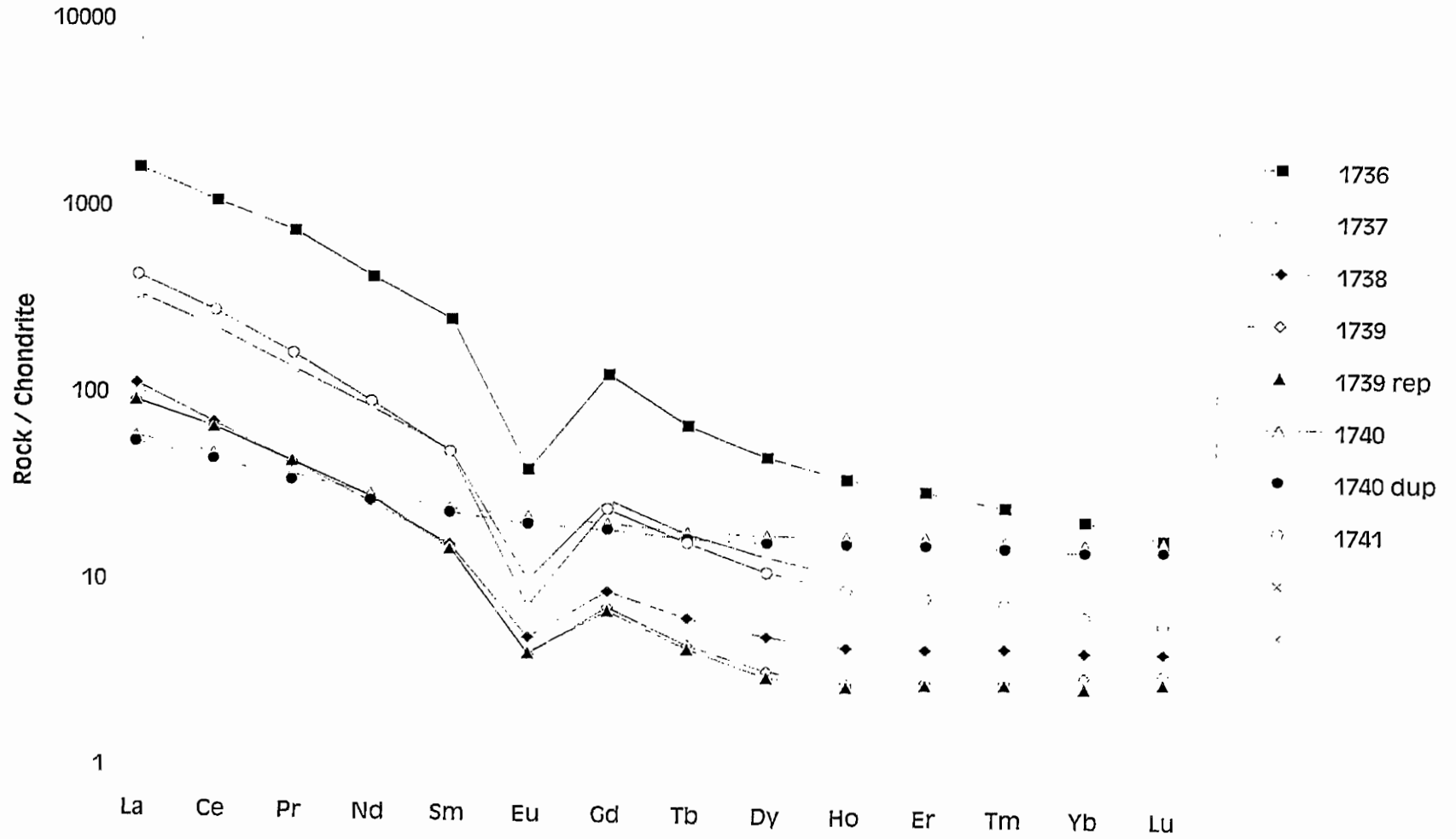


Chart97



Quality Analysis ...



Innovative Technologies

Date Submitted: 27-Mar-08  
Invoice No.: A08-1446  
Invoice Date: 23-Apr-08  
Your Reference: PM 101

Pele Mountain  
55 University Ave.  
Suite 501  
Toronto Ontario M5J2H7  
Canada

ATTN: Tudorel Ciuculescu

## CERTIFICATE OF ANALYSIS

59 Rock samples were submitted for analysis.

The following analytical packages were requested: Code 5D-U-Total DNC  
Code 1A2 Au - Fire Assay AA  
Code 4B2-Std (11+) Trace Elements Fusion ICP/MS(WRA4B2)

REPORT      A08-1446

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

### Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3  
We recommend using option 4B1 for accurate levels of the base metals Cu, Pb, Zn, Ni and Ag.  
Option 4B-INAA for As, Sb, high W >100ppm, Cr >1000ppm and Sn >50ppm by Code 5D.  
Values for these elements provided by Fusion ICP/MS, are order of magnitude only and are provided for general information. Mineralized samples should have the Quant option selected or request assays for values which exceed the range of option 4B1.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Eric Hoffman".

Eric Hoffman, Ph.D.  
President/General Manager

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Activation Laboratories Ltd. Report: A08-1446

Analyte Symbol	Au	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Co
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1	0.1
Analysis Method	FA-AA	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
01742		21	20	0	<20	<10	<30	12	<1	<5	204	30	16	131	10	<2	<0.5	<0.2	1	4.8	2.0	537	51.9	134
01743		10	<20	19	<20	<10	<30	8	<1	8	123	23	35	97	22	<2	<0.5	<0.2	<1	0.9	1.3	370	229	448
01744		18	20	5	<20	<10	70	12	<1	<5	205	29	11	85	8	<2	<0.5	<0.2	<1	4.8	2.1	544	62.1	98.1
01745		17	30	10	<20	<10	<30	12	<1	7	175	29	54	307	25	2	<0.5	<0.2	<1	5.8	1.8	409	270	508
01746		11	<20	5	<20	<10	<30	10	<1	<5	170	30	9	85	6	<2	<0.5	<0.2	<1	4.9	1.8	519	48.5	87.0
01747		14	<20	6	<20	<10	<30	11	<1	<5	175	27	15	95	7	<2	<0.5	<0.2	<1	4.8	1.7	467	106	188
01748		21	30	10	<20	<10	<30	14	<1	5	203	30	34	142	17	<2	<0.5	<0.2	1	6.4	2.2	521	222	385
01749		24	40	30	<20	10	<30	14	<1	16	148	25	118	229	40	2	<0.5	<0.2	<1	3.4	1.4	375	681	1290
01750		20	40	32	<20	20	<30	13	<1	11	149	26	96	253	40	3	<0.5	<0.2	<1	<0.5	1.5	414	605	1100
01751		18	20	5	<20	<10	<30	12	<1	<5	168	31	18	166	12	<2	<0.5	<0.2	1	4.8	2.0	538	33.1	141
01752		20	30	17	<20	<10	<30	12	<1	6	171	30	65	278	35	<2	<0.5	<0.2	<1	0.8	1.8	472	277	510
01753		17	20	9	<20	<10	<30	14	<1	<5	219	36	25	120	12	<2	<0.5	<0.2	1	2.2	2.2	812	173	317
01754		19	30	21	<20	10	<30	15	<1	12	184	30	93	197	36	<2	<0.5	<0.2	1	1.8	1.8	486	557	1060
01755		18	30	5	<20	<10	<30	12	<1	<5	199	30	11	111	11	<2	<0.5	<0.2	1	2.9	2.0	524	76.4	120
01758		18	30	20	<20	<10	<30	13	<1	<5	176	31	58	181	23	<2	<0.5	<0.2	<1	<0.5	1.7	527	350	643
01757		23	30	11	<20	<10	<30	13	<1	<5	193	31	35	134	16	<2	<0.5	<0.2	<1	2.5	1.9	530	221	385
01758		20	30	17	<20	80	<30	12	<1	<5	178	29	37	191	23	<2	<0.5	<0.2	<1	<0.5	1.7	497	233	423
01759		23	30	17	<20	20	<30	14	<1	6	188	30	55	212	24	2	<0.5	<0.2	1	1.8	1.5	504	305	563
01760		150	<20	47	<20	30	200	19	<1	<5	48	121	41	138	7	<2	<0.5	<0.2	1	3.7	2.6	258	19.9	42.8
01761		18	20	7	<20	20	70	12	1	5	102	17	17	101	12	2	<0.5	<0.2	2	0.7	2.0	350	134	214
01762		22	30	19	<20	50	<30	13	2	8	164	30	88	203	27	4	<0.5	<0.2	1	<0.5	1.9	487	390	689
01763		17	20	10	<20	120	60	11	1	<5	170	30	17	124	12	<2	<0.5	<0.2	1	<0.5	1.8	512	106	182
01764		31	60	22	<20	20	<30	13	1	11	161	24	59	184	37	5	<0.5	<0.2	<1	<0.5	1.8	440	363	638
01765		12	20	5	<20	30	<30	9	1	<5	152	30	8	72	6	<2	<0.5	<0.2	1	1.7	1.6	478	50.1	87.5
01768		17	30	7	<20	30	<30	11	1	<5	168	29	22	104	13	5	<0.5	<0.2	1	<0.5	1.8	500	122	210
01767		15	30	4	<20	20	<30	13	1	<5	190	33	25	89	9	3	<0.5	<0.2	<1	<0.5	2.0	573	106	173
01768		14	20	4	<20	50	<30	12	1	<5	190	34	18	90	9	<2	<0.5	<0.2	1	1.5	2.0	599	67.1	103
01769		15	30	19	<20	100	<30	13	2	7	162	34	102	114	24	3	<0.5	<0.2	<1	<0.5	1.9	518	428	881
01770		14	20	4	<20	60	<30	11	1	<5	173	33	17	91	8	<2	<0.5	<0.2	<1	<0.5	1.8	544	62.0	112
01771		21	40	17	<20	40	30	15	2	19	157	29	119	243	57	3	<0.5	<0.2	2	<0.5	1.8	464	754	1370
01772		30	50	25	<20	80	30	14	2	15	153	28	138	413	70	9	<0.5	<0.2	2	<0.5	1.7	428	643	1110
01773		18	30	9	<20	50	<30	12	1	<5	188	32	31	183	16	<2	<0.5	<0.2	1	<0.5	2.0	554	155	286
01774		25	30	3	<20	30	<30	16	1	<5	234	34	14	147	12	2	<0.5	<0.2	2	<0.5	2.4	614	118	198
01775		19	30	7	<20	50	<30	11	<1	<5	187	28	13	132	12	2	<0.5	<0.2	1	<0.5	1.7	499	89.4	142
01776		25	40	13	<20	360	60	11	1	10	151	25	34	152	36	5	0.7	<0.2	2	<0.5	1.8	418	221	371
01777		82	<20	91	<20	50	210	16	2	<5	64	92	27	93	6	3	<0.5	<0.2	1	1.6	3.8	307	25.2	41.9
01778		18	20	7	<20	20	80	12	<1	5	102	17	17	100	13	<2	<0.5	<0.2	2	2.4	2.1	351	123	199
01779		27	30	8	<20	2570	240	11	2	28	99	21	103	166	74	3	3.8	<0.2	2	0.8	1.2	244	638	1130
01780		44	40	17	<20	1110	120	15	2	33	165	27	110	273	106	8	8.0	<0.2	2	1.5	1.9	383	585	1020
01781		38	40	20	<20	370	60	14	1	23	154	27	98	288	91	6	2.2	<0.2	2	<0.5	1.9	370	491	865
01782		39	40	16	<20	950	130	14	1	23	142	21	84	197	74	6	3.9	<0.2	2	2.0	1.4	302	513	869
01783		20	40	9	<20	1320	170	10	1	19	88	23	150	128	88	3	1.4	<0.2	1	<0.5	1.0	247	568	1080
01784		16	20	12	<20	40	<30	11	<1	<5	159	29	17	113	16	3	<0.5	<0.2	<1	<0.5	1.6	474	103	163
01785		16	20	27	<20	60	<30	11	<1	20	138	26	45	142	51	2	0.8	<0.2	1	<0.5	1.4	414	270	494
01786		30	40	25	<20	20	<30	14	1	11	108	27	71	218	51	6	<0.5	<0.2	1	<0.5	1.7	439	386	618
01787		37	30	19	<20	30	<30	15	<1	6	188	29	47	188	35	7	<0.5	<0.2	1	<0.5	1.8	491	296	478
01788		28	40	14	<20	30	<30	11	1	25	118	20	118	182	48	5	<0.5	<0.2	2	<0.5	1.3	308	409	750
01789		34	60	28	<20	180	<30	14	1	25	151	23	93	152	60	6	<0.5	<0.2	2	<0.5	1.7	394	408	751
01790		21	30	14	<20	40	<30	12	<1	<5	193	24	49	121	28	8	<0.5	<0.2	<1	<0.5	1.6	444	183	315
01791		16	30	19	<20	140	30	9	<1	13	111	18	55	70	31	4	<0.5	<0.2	2	<0.5	1.1	270	191	346
01792		18	30	20	<20	80	<30	10	<1	7	131	22	58	68	25	<2	<0.5	<0.2	1	<0.5	1.3	318	189	298
01793		37	40	4	<20	30	<30	17	<1	<5	247	33	10	160	10	<2	<0.5	<0.2	2	<0.5	2.3	568	38.0	65.2

Activation Laboratories Ltd. Report: A08-1446

Analyte Symbol	Au	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Co
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1	0.1
Analysis Method	FA-AA	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
01784	< 5	38	40	14	< 20	50	< 30	18	< 1	< 5	149	19	10	190	15	4	< 0.5	< 0.2	2	< 0.5	2.2	1140	25.1	41.0
01785	< 5	28	30	37	< 20	100	40	15	< 1	< 5	131	18	49	281	21	2	< 0.5	< 0.2	< 1	< 0.5	2.8	988	64.8	125
01798	7	38	50	101	70	140	80	21	2	6	112	29	323	1870	73	2	< 0.5	< 0.2	< 1	< 0.5	2.4	958	687	1370
01797	< 5	87	30	18	< 20	30	50	18	1	< 5	99	17	18	128	7	3	< 0.5	< 0.2	1	< 0.5	1.8	993	35.8	64.8
01798	79	517	< 20	121	30	120	120	31	1	13	231	10	103	438	13	< 2	< 0.5	< 0.2	2	< 0.5	8.8	1880	108	180
01799																								
01800																								

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Analyte Symbol	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Ti	Pb	Bi	Th	U	U	Mass	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	
Detection Limit	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	0.1		
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	DNC
01742	11.4	34.4	5.8	0.40	4.1	0.8	2.0	0.5	1.4	0.19	1.2	0.16	3.3	2.0	< 1	1.4	13	< 0.4	0.2	22.0	26.1	1.013	
01743	44.3	151	25.8	1.42	19.8	1.8	7.0	1.2	3.1	0.40	2.3	0.28	2.4	6.5	1	0.8	43	1.1	214	115	118	1.052	
01744	7.98	23.1	3.8	0.32	2.6	0.4	1.8	0.3	1.0	0.14	0.8	0.11	2.2	1.0	< 1	1.4	13	< 0.4	44.0	24.0	23.4	1.032	
01745	48.1	164	26.7	1.53	18.4	2.2	10.6	1.8	4.9	0.89	4.0	0.47	7.5	5.5	2	1.2	52	2.1	273	150	140	1.078	
01746	7.68	22.2	4.0	0.28	2.8	0.3	1.8	0.3	0.9	0.12	0.7	0.08	2.0	1.1	< 1	1.3	18	< 0.4	46.6	30.7	30.4	1.053	
01747	18.9	54.7	8.4	0.57	5.5	0.6	2.8	0.5	1.2	0.16	1.0	0.11	2.4	1.7	< 1	1.2	23	0.7	87.2	41.3	43.9	1.036	
01748	38.6	128	21.7	1.18	14.5	1.6	7.0	1.1	2.8	0.38	2.0	0.23	3.5	4.5	1	1.4	32	1.5	184	80.6	82.3	1.071	
01749	120	421	75.7	3.56	51.1	5.9	27.4	4.2	10.1	1.33	7.0	0.77	5.8	15.4	2	0.8	64	5.7	625	390	446	1.053	
01750	105	368	64.8	3.00	43.3	5.0	21.8	3.3	8.2	1.08	5.7	0.64	6.3	11.1	2	0.7	62	2.8	528	317	335	1.080	
01751	12.3	38.6	6.7	0.42	4.5	0.6	3.0	0.5	1.4	0.20	1.2	0.15	2.8	2.5	< 1	1.4	20	0.7	70.5	43.9	46.0	1.030	
01752	49.8	167	28.0	1.80	19.8	2.8	12.5	2.1	5.7	0.79	4.5	0.56	6.0	8.5	3	0.9	32	1.5	312	151	159	1.083	
01753	30.4	103	17.8	0.89	11.0	1.2	5.4	0.9	2.2	0.20	1.8	0.19	3.0	2.7	< 1	1.3	23	1.1	147	75.2	80.1	1.025	
01754	103	357	63.5	3.14	40.3	5.3	22.5	3.4	8.7	1.12	6.6	0.71	5.2	11.0	3	1.2	90	1.5	518	544	586	1.088	
01755	10.0	31.0	4.9	0.33	3.2	0.4	2.0	0.4	1.0	0.14	0.9	0.12	2.9	2.3	< 1	1.5	13	0.7	52.2	25.1	26.1	1.035	
01756	61.3	208	35.4	1.76	22.8	2.7	12.3	1.9	4.8	0.64	3.5	0.41	4.5	3.8	2	0.8	28	1.8	295	218	225	1.073	
01757	39.7	121	21.0	0.88	13.4	1.7	7.8	1.3	3.2	0.43	2.4	0.29	3.5	4.1	1	1.2	21	1.1	195	131	133	1.079	
01758	41.5	138	23.0	1.04	15.0	1.7	7.5	1.2	3.2	0.43	2.5	0.31	4.9	5.5	2	1.0	21	1.3	205	97.1	102	1.080	
01759	53.4	178	30.7	1.41	20.8	2.5	11.5	1.8	4.7	0.83	3.5	0.42	5.0	6.3	2	1.1	50	2.2	277	187	202	1.024	
01760	4.82	20.3	5.3	1.58	8.0	1.1	8.7	1.3	4.1	0.82	3.8	0.52	3.5	0.8	< 1	0.3	155	< 0.4	7.5	3.1	3.1	1.081	
01761	19.0	61.0	10.2	0.55	6.4	0.8	3.8	0.8	1.7	0.25	1.5	0.19	2.9	2.2	2	1.1	30	2.0	78.1	110	121	1.088	
01762	65.7	228	39.3	1.93	25.8	3.1	14.4	2.3	6.1	0.81	4.5	0.57	5.8	5.9	2	1.2	52	8.8	322	225	252	1.023	
01763	16.7	54.8	9.3	0.52	8.2	0.8	3.4	0.8	1.5	0.22	1.2	0.17	3.4	2.4	1	2.1	34	1.1	87.8	54.7	53.4	1.042	
01764	58.7	200	34.8	1.81	22.8	2.8	12.9	2.1	5.4	0.73	4.1	0.51	5.2	8.3	3	0.8	28	1.7	282	206	231	1.057	
01765	7.70	25.2	4.2	0.27	2.7	0.3	1.4	0.3	0.7	0.11	0.7	0.09	2.1	1.4	< 1	1.3	15	0.5	39.4	25.0	28.7	1.051	
01766	19.3	64.7	10.8	0.85	7.1	0.9	4.5	0.8	2.1	0.32	1.9	0.23	3.0	2.6	1	1.3	18	1.2	97.9	85.4	87.6	1.089	
01767	15.8	52.8	9.3	0.58	8.8	0.8	4.8	0.8	2.2	0.31	1.8	0.24	2.8	2.0	1	1.3	17	0.8	96.1	91.9	97.8	1.005	
01768	8.94	30.1	8.0	0.45	4.4	0.7	3.8	0.8	1.7	0.26	1.5	0.20	2.6	1.8	1	1.7	20	1.9	56.5	113	121	1.052	
01769	84.7	298	57.4	2.98	39.5	5.8	24.6	4.0	10.4	1.43	7.8	0.91	3.4	7.4	3	1.1	97	7.4	471	852	972	1.087	
01770	10.3	35.1	6.9	0.42	4.8	0.8	3.7	0.8	1.7	0.24	1.4	0.18	2.5	1.4	1	1.3	20	0.9	61.7	99.4	115	1.008	
01771	132	487	82.4	3.76	53.8	6.2	28.1	4.8	11.3	1.51	8.2	0.97	6.5	14.1	5	1.1	107	2.6	678	631	721	1.018	
01772	107	364	65.8	3.13	44.1	5.6	28.8	4.9	12.6	1.70	9.5	1.22	11.2	15.0	6	1.0	59	5.3	602	520	603	1.088	
01773	25.0	83.4	14.8	0.85	9.8	1.3	6.3	1.1	2.9	0.41	2.4	0.32	5.0	3.1	2	1.4	25	0.5	143	135	154	1.087	
01774	13.8	42.5	5.8	0.49	4.2	0.5	2.6	0.5	1.4	0.21	1.3	0.18	4.0	2.3	1	1.8	18	< 0.4	58.1	22.9	17.6	1.077	
01775	11.9	38.2	8.0	0.40	4.0	0.5	2.4	0.4	1.2	0.18	1.1	0.17	3.8	2.1	1	1.3	18	0.5	62.4	25.7	20.5	1.080	
01776	35.5	119	20.0	0.99	13.0	1.5	8.7	1.1	3.0	0.42	2.4	0.32	4.2	8.0	3	1.0	32	2.8	170	75.5	80.5	1.088	
01777	3.88	14.7	3.2	1.19	3.4	0.6	3.9	0.9	2.8	0.48	3.4	0.55	2.8	0.6	< 1	0.8	8	0.8	6.7	4.3	5.4	1.076	
01778	17.5	56.4	9.3	0.55	6.0	0.7	3.7	0.8	1.7	0.25	1.5	0.20	3.0	2.5	2	1.1	31	1.5	82.7	111	120	1.072	
01779	109	361	69.6	3.27	45.5	5.4	24.0	3.8	9.7	1.32	7.2	0.86	5.2	18.3	5	0.9	1330	> 2000	522	408	463	1.020	
01780	97.7	335	59.9	3.03	40.1	5.2	22.8	3.8	9.8	1.36	7.6	0.88	7.8	25.5	7	1.3	1120	> 2000	470	278	313	1.023	
01781	82.8	291	51.8	2.58	33.9	4.5	19.2	3.2	8.6	1.17	6.4	0.83	7.6	20.7	6	1.0	167	90.4	424	253	281	1.018	
01782	82.3	284	52.4	2.63	35.4	4.5	19.0	2.9	7.8	1.05	5.7	0.73	5.9	17.8	5	1.0	497	499	372	302	346	1.069	
01783	105	385	77.5	4.15	54.1	7.4	34.8	5.0	15.2	2.11	11.7	1.43	4.1	19.2	5	0.7	290	49.6	547	938	1020	1.006	
01784	17.3	57.1	10.1	0.48	6.7	0.8	3.4	0.5	1.5	0.21	1.2	0.16	3.1	3.2	1	0.9	16	1.8	91.8	65.4	71.4	1.085	
01785	49.3	169	28.5	1.27	18.0	2.0	8.7	1.5	4.0	0.51	2.9	0.37	3.8	11.0	4	0.6	42	7.9	241	147	183	1.067	
01786	57.3	191	32.5	1.76	22.1	2.9	13.2	2.2	6.3	0.85	4.8	0.64	5.7	10.9	5	0.5	42	0.4	300	175	194	1.029	
01787	44.3	148	24.6	1.37	17.3	2.2	9.4	1.6	4.2	0.57	3.3	0.44	5.3	7.8	4	0.7	22	1.4	252	168	170	1.007	
01788	72.5	253	51.0	2.82	37.9	5.8	25.8	4.3	11.8	1.87	9.3	1.11	5.0	12.5	5	0.9	84	5.8	451	950	1020	1.072	
01789	72.8	258	48.0	2.70	34.1	4.8	21.3	3.4	9.2	1.25	8.9	0.83	4.3	17.5	5	1.0	59	10.2	437	719	777	1.048	
01790	30.4	108	21.4	1.23	15.6	2.4	11.0	1.8	5.1	0.71	4.0	0.48	3.5	8.4	3	0.9	34	2.7	198	453	510	1.054	
01791	34.5	124	22.4	1.39	17.3	2.4	11.7	2.0	5.3	0.70	4.0	0.50	2.0	10.5	3	0.8	33	5.9	215	485	476	1.028	
01792	29.9	108	21.2	1.61	18.7	2.5	12.8	2.1	5.6	0.78	4.5	0.58	2.0	8.4	2	0.8	24	5.2	192	514	527	1.075	
01793	6.33	18.5	3.7	0.32	2.9	0.3	1.7	0.3	1.0	0.15	1.0	0.17	4.3	1.6	1	1.7	10	0.4	35.4	15.0	14.0	1.001	

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Analyte Symbol	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Ti	Pb	Bi	Tl	U	U	Mass	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	
Detection Limit	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	0.1		
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	DNC	
01704	3.79	12.1	2.2	0.54	2.0	0.3	1.6	0.3	0.9	0.14	0.9	0.15	5.2	2.4	3	0.8	9	0.5	45.5	17.2	17.8	1.051	
01705	13.0	50.8	11.0	2.49	10.3	1.8	10.8	1.8	4.8	0.07	3.8	0.50	7.4	3.7	4	0.7	15	0.4	135	327	320	1.078	
01706	160	578	122	19.4	86.2	14.8	73.0	12.2	29.7	3.83	21.2	2.69	44.3	15.2	12	0.4	102	< 0.4	1110	> 1000	1080	1.042	
01707	6.80	23.8	5.2	1.19	4.2	0.7	3.8	0.7	1.8	0.26	1.5	0.22	3.1	1.0	3	0.7	14	< 0.4	42.1	141	147	1.019	
01708	19.0	70.8	15.4	4.85	14.8	2.5	15.8	3.4	10.2	1.47	8.7	1.30	11.8	1.7	5	1.7	7	< 0.4	80.9	200	218	1.029	
01789																						15.7	1.052
01800																						118	1.037



Quality Control																									
Analyte Symbol	Au	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Co	
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detection Limit	5	5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1	0.1	
Analysis Method	FA-AA	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	
GXR-1 Meas		80	< 20	8	40	1100	750	17		426	3	288	32	32	1	15	35.0	0.8	54	121	2.0	842	8.2	18.2	
GXR-1 Cert		80.0	12.0	8.20	41.0	1110	780	13.8		427	14.0	275	32.0	38.0	0.800	18.0	31.0	0.770	54.0	122	3.00	750	7.50	17.0	
WMG-1 Meas		173	780	193	2580	5500	120	10		11		40	15	58	5	< 2	1.7		2	6.8	< 0.5	120	8.3	17.5	
WMG-1 Cert		149	770	200	2700	5900	110	10.3		7.00		41.0	12.0	43.0	6.00	1.40	2.70		2.20	1.80	0.490	114	8.20	18.0	
DH-1a Meas																									
DH-1a Cert																									
DH-1a Meas																									
DH-1a Cert																									
DNC-1 Meas		150	280	55	250	90	70	14	1	< 5	4	140	18	37	1	< 2	< 0.5		4.4	< 0.5	110	3.8	8.8		
DNC-1 Cert		148	285	54.7	247	98.0	66.0	15.0	1.30	0.200	4.50	145	18.0	41.0	3.00	0.700	0.0270		0.890	0.340	114	3.80	10.8		
BIR-1 Meas		315	380	51	160	120	90	18	1	< 5	< 2	107	18	15	< 1	< 2	< 0.5		< 1	2.5	< 0.5	7	0.8	2.2	
BIR-1 Cert		313	382	51.4	168	128	71.0	18.0	1.50	0.440	0.250	108	18.0	16.0	0.600	0.500	0.0380		0.650	0.580	0.00500	7.00	0.820	1.95	
GXR-2 Meas		51	30	8	< 20	70	380	35		31	78	148	18	250	10	< 2	8.4	< 0.2	2	31.4	5.2	2120	26.0	53.4	
GXR-2 Cert		52.0	36.0	8.60	21.0	76.0	530	37.0		25.0	78.0	160	17.0	280	11.0	2.10	17.0	0.252	1.70	49.0	5.20	2240	25.6	51.4	
LKSD-3 Meas		74	70	20	40	30	140			21	74	235	29	175	8	< 2	1.7		2	2.0	2.3	882	48.9	82.4	
LKSD-3 Cert		82.0	87.0	30.0	47.0	35.0	152			27.0	78.0	240	30.0	178	8.00	2.70			3.00	1.30	2.30	880	52.0	90.0	
MAG-1 (Depleted) Meas		133	90	20	40	30	140	22		9	148	136	27	124	13	< 2	< 0.5	< 0.2	3	3.5	8.6	500	43.1	88.8	
MAG-1 (Depleted) Cert		140	97.0	20.4	53.0	30.0	130	20.4		9.20	149	148	28.0	126	12.0	1.80	0.0800	0.180	3.60	0.060	8.80	470	43.0	88.0	
SY-2 Meas																									
SY-2 Cert																									
SY-2 Meas																									
SY-2 Cert																									
W-2a Meas		254	90	41	60	100	100	17	1	< 5	20	188	22	97	7	< 2	< 0.5		2.4	0.9	177	11.1	24.4		
W-2a Cert		282	92.0	43.0	70.0	110	80.0	17.0	1.00	1.20	21.0	190	24.0	94.0	7.80	0.800	0.0460		0.780	0.890	182	10.0	23.0		
BL-4a Meas																									
BL-4a Cert																									
BL-4a Meas																									
BL-4a Cert																									
CDN-GS-2B Meas	2040																								
CDN-GS-2B Cert	2030																								
CDN-GS-P7A Meas	700																								
CDN-GS-P7A Cert	770																								
CTA-AC-1 Meas	103		< 1		60	40						325										897	> 2000	> 3000	
CTA-AC-1 Cert	104		2.72		54.0	38.0						272										787	2178	3328	
01758 Orig	17	30	21	< 20	< 10	< 30	12	< 1	< 5	170	30	52	170	22	< 2	< 0.5	< 0.2	< 1	< 0.5	1.8	514	351	045		
01758 Dup	18	30	18	< 20	< 10	< 30	13	< 1	6	181	32	58	192	25	< 2	< 0.5	< 0.2	< 1	< 0.5	1.8	541	348	641		
01771 Orig	21	40	17	< 20	40	30	15	2	18	157	29	119	243	57	3	< 0.5	< 0.2	2	< 0.5	1.8	484	754	1370		
01771 Spill	22	50	27	< 20	80	< 30	16	2	17	164	28	125	251	55	3	< 0.5	< 0.2	1	< 0.5	1.7	418	705	1280		
01773 Orig	18	30	9	< 20	70	< 30	12	1	< 5	187	32	31	183	16	< 2	< 0.5	< 0.2	1	< 0.5	1.9	558	157	271		
01773 Dup	18	30	8	< 20	40	< 30	13	1	< 5	160	32	32	203	16	2	< 0.5	< 0.2	1	< 0.5	2.0	551	152	281		
01780 Orig	21	30	16	< 20	30	< 30	13	< 1	< 5	161	25	49	118	28	8	< 0.5	< 0.2	< 1	< 0.5	1.8	448	181	310		
01780 Dup	21	30	11	< 20	40	< 30	12	< 1	9	165	24	48	125	28	8	< 0.5	< 0.2	2	< 0.5	1.7	440	186	320		
01791 Orig	18	30	19	< 20	140	30	9	< 1	13	111	18	55	70	31	4	< 0.5	< 0.2	2	< 0.5	1.1	270	191	346		
01781 Split	14	30	18	< 20	190	< 30	9	< 1	14	108	17	55	81	28	4	< 0.5	< 0.2	2	< 0.5	1.0	282	205	377		
01794 Orig	< 5																								
01794 Dup	< 5																								
01789 Orig																									
01789 Spill	182	< 20	53	< 20	50	150	22	2	< 5	40	126	41	155	7	< 2	< 0.5	< 0.2	2	0.8	3.1	287	20.8	40.6		
Method Blank Method	< 5	< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5	< 2	< 2	< 1	< 5	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	< 3	< 0.1	< 0.1		
Blank																									
Method Blank Method																									
Blank																									

Activation Laboratories Ltd. Report: A08-1446

Quality Control																							
Analyte Symbol	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Ti	Pb	Bi	Th	U	U	Mass	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	
Detection Limit	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	0.1		
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	DNC	
GXR-1 Meas		8.0	3.0	0.65	4.1	0.9	4.8			0.42	2.3	0.30	0.6	< 0.1	164	0.6	730	1380	2.7	33.0			
GXR-1 Cert		18.0	2.70	0.690	4.20	0.830	4.30			0.430	1.00	0.280	0.960	0.175	164	0.390	730	1380	2.44	34.9			
WMG-1 Meas		9.3	2.4	0.78		0.4	2.5	0.5		0.22	1.3	0.19	1.8	0.3			18		1.2	0.7			
WMG-1 Cert		9.00	2.30	0.820		0.300	2.80	0.500		0.200	1.30	0.210	1.30	0.500	1.30		15.0		1.10	0.650			
DH-1a Meas																						2860	
DH-1a Cert																							2830
DH-1a Meas																							2820
DH-1a Cert																							2830
DNC-1 Meas	1.04	4.8	1.4	0.60	2.0	0.4	2.8	0.8	1.8	0.31	1.9	0.29	1.1	< 0.1	< 1	< 0.1	< 5	< 0.4	0.3	< 0.1			
DNC-1 Cert	1.30	4.80	1.38	0.580	2.00	0.410	2.70	0.620	2.00	0.380	2.01	0.320	1.01	0.0880	0.200	0.0280	6.30	0.0200	0.200	0.100			
BIR-1 Meas	0.37	2.4	1.1	0.54	1.8	0.4	2.7	0.6	1.7	0.28	1.8	0.25	0.6	< 0.1	< 1	< 0.1	< 5	< 0.4	< 0.1	< 0.1			
BIR-1 Cert	0.380	2.50	1.10	0.540	1.85	0.380	2.50	0.570	1.70	0.280	1.65	0.280	0.600	0.0400	0.0700	0.0100	3.00	0.0200	0.0300	0.0100			
GXR-2 Meas		19.3	3.6	0.74	3.1	0.5	2.8			0.28	1.7	0.25	0.7	0.0	1	0.8	273	< 0.4	8.0	2.8			
GXR-2 Cert		19.0	3.50	0.810	3.30	0.480	3.30			0.300	2.04	0.270	0.30	0.900	1.90	1.03	890	0.890	8.80	2.80			
LKSD-3 Meas		41.7	7.8	1.45		0.9	4.8				2.7	0.39	4.8	0.7	< 1		28		11.0	4.5			
LKSD-3 Cert		44.0	8.00	1.50		1.00	4.90				2.70	0.400	4.80	0.700	2.00		28.0		11.4	4.60			
MAG-1 (Depleted) Meas	9.32	38.3	7.2	1.47	6.1	1.0	5.0	0.8	2.8	0.42	2.5	0.38	3.5	1.2	1	0.5	23	< 0.4	12.0	2.8			
MAG-1 (Depleted) Cert	9.30	38.0	7.50	1.60	5.80	0.960	5.20	1.02	3.00	0.430	2.80	0.400	3.70	1.10	1.40	0.590	24.0	0.340	11.8	2.70			
SY-2 Meas																						289	
SY-2 Cert																							284
SY-2 Meas																							281
SY-2 Cert																							284
W-2a Meas		12.5	3.3	1.13		0.7	3.8	0.8	2.2	0.34	2.0	0.29	2.8	0.5	< 1	0.1	7	< 0.4	2.2	0.5			
W-2a Cert		13.0	3.30	1.00		0.630	3.80	0.760	2.50	0.380	2.10	0.330	2.80	0.500	0.300	0.200	8.30	0.0300	2.40	0.530			
BL-4a Meas																							1270
BL-4a Cert																							1250
BL-4a Meas																							1260
BL-4a Cert																							1250
CDN-GS-2B Meas																							
CDN-GS-2B Cert																							
CDN-GS-P7A Meas																							
CDN-GS-P7A Cert																							
CTA-AC-1 Meas		1110	170	48.5	139	18.1					11.4	1.09	1.8	3.0					24.2	4.1			
CTA-AC-1 Cert		1087	162	46.7	124	13.9					11.4	1.08	1.13	2.85					21.8	4.4			
01758 Orig	61.7	207	35.4	1.77	22.4	2.8	11.8	1.8	4.8	0.60	3.3	0.38	4.2	3.4	2	0.7	22	1.8	288	210			
01758 Dup	60.9	204	35.3	1.78	22.9	2.7	12.7	2.0	5.2	0.68	3.8	0.43	4.8	4.2	2	1.0	34	2.2	301	223			
01771 Orig	132	487	82.4	3.76	53.6	8.2	28.1	4.8	11.3	1.51	8.2	0.97	6.5	14.1	5	1.1	107	2.8	876	831	721	1.018	
01771 Split	137	491	79.7	3.72	60.1	8.8	29.2	4.8	11.7	1.50	8.0	0.99	8.5	14.5	4	1.1	75	7.3	712	899	714	1.028	
01773 Orig	25.3	83.8	14.8	0.84	9.5	1.3	6.3	1.1	2.9	0.41	2.3	0.31	4.5	3.1	2	1.3	21	0.5	142	131			
01773 Dup	24.7	83.1	14.5	0.86	10.0	1.4	6.3	1.1	3.0	0.41	2.4	0.32	5.5	3.1	2	1.5	28	0.6	145	139			
01790 Orig	30.0	105	21.3	1.21	15.8	2.4	11.0	1.8	5.1	0.72	4.0	0.47	3.4	6.2	3	0.7	25	1.4	194	458			
01790 Dup	30.7	108	21.4	1.25	15.7	2.4	11.0	1.9	5.0	0.70	3.9	0.48	3.7	6.5	3	1.2	43	4.0	201	450			
01781 Orig	34.5	124	22.4	1.39	17.3	2.4	11.7	2.0	5.3	0.70	4.0	0.50	2.0	10.5	3	0.8	33	5.9	215	405	476	1.026	
01781 Split	37.5	128	24.2	1.48	18.4	2.5	12.4	2.1	5.5	0.73	4.2	0.53	1.7	9.3	3	0.8	34	6.1	230	478	499	1.089	
01784 Orig																							
01784 Dup																							
01788 Orig																							
01788 Split	4.74	20.4	5.2	1.77	5.7	1.1	8.8	1.4	4.2	0.60	3.8	0.61	4.2	0.6	< 1	0.4	12	0.4	10.3	16.1	15.7	1.052	
Method Blank Method Blank	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.4	< 0.1	< 0.1			
Method Blank Method Blank																							< 0.1
Method Blank Method Blank																							1.000

Chart80

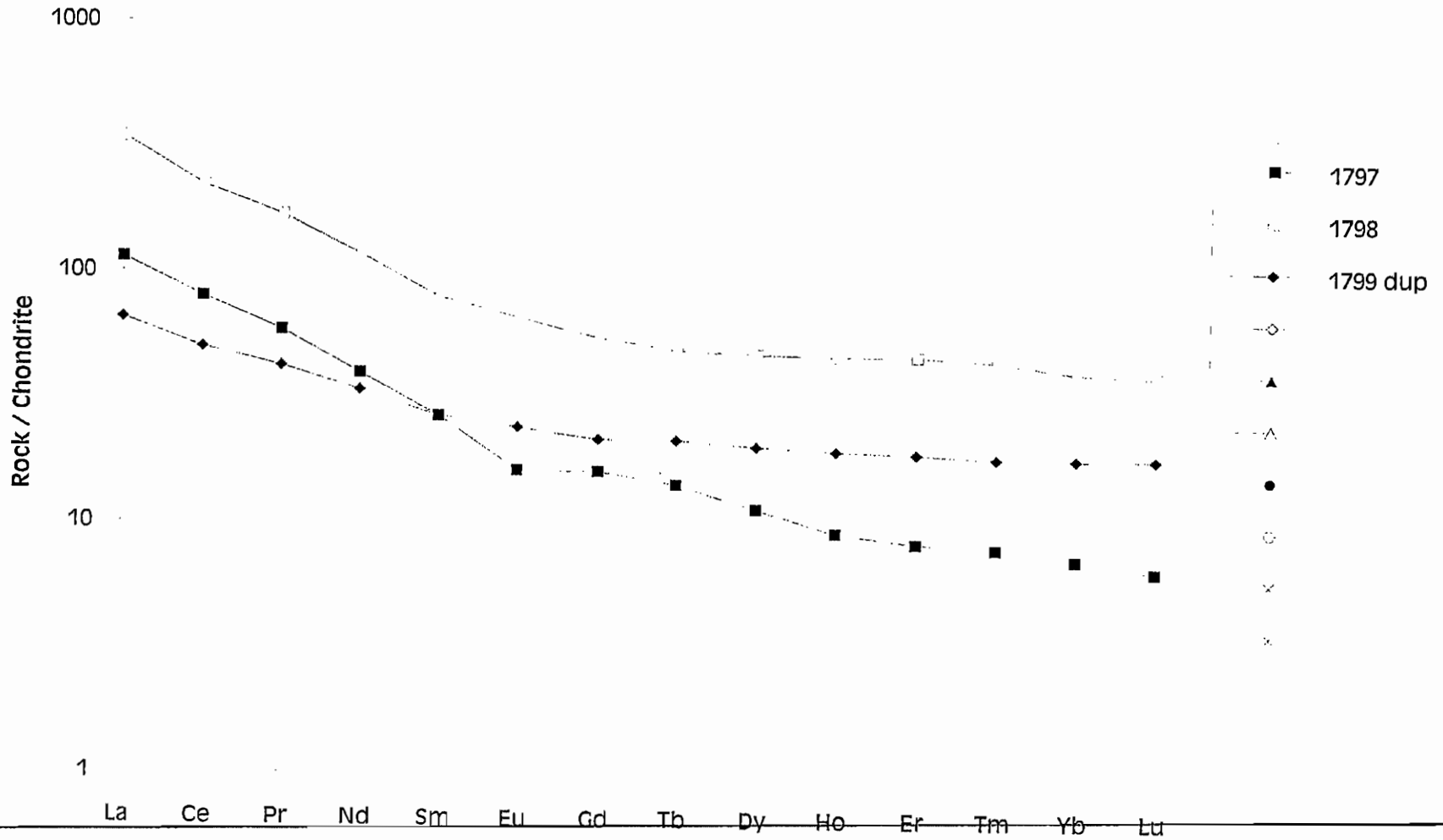


Chart79

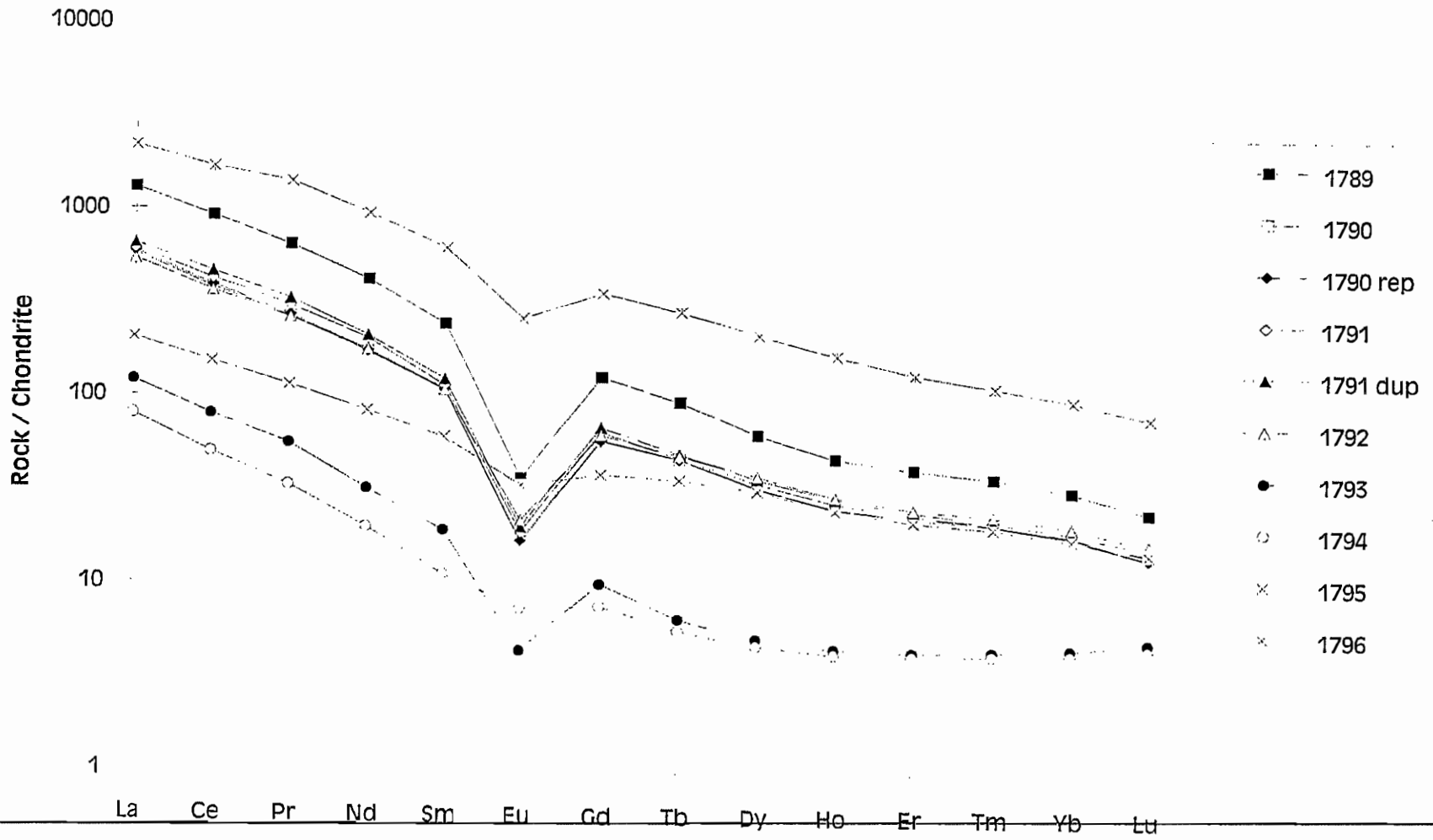


Chart78

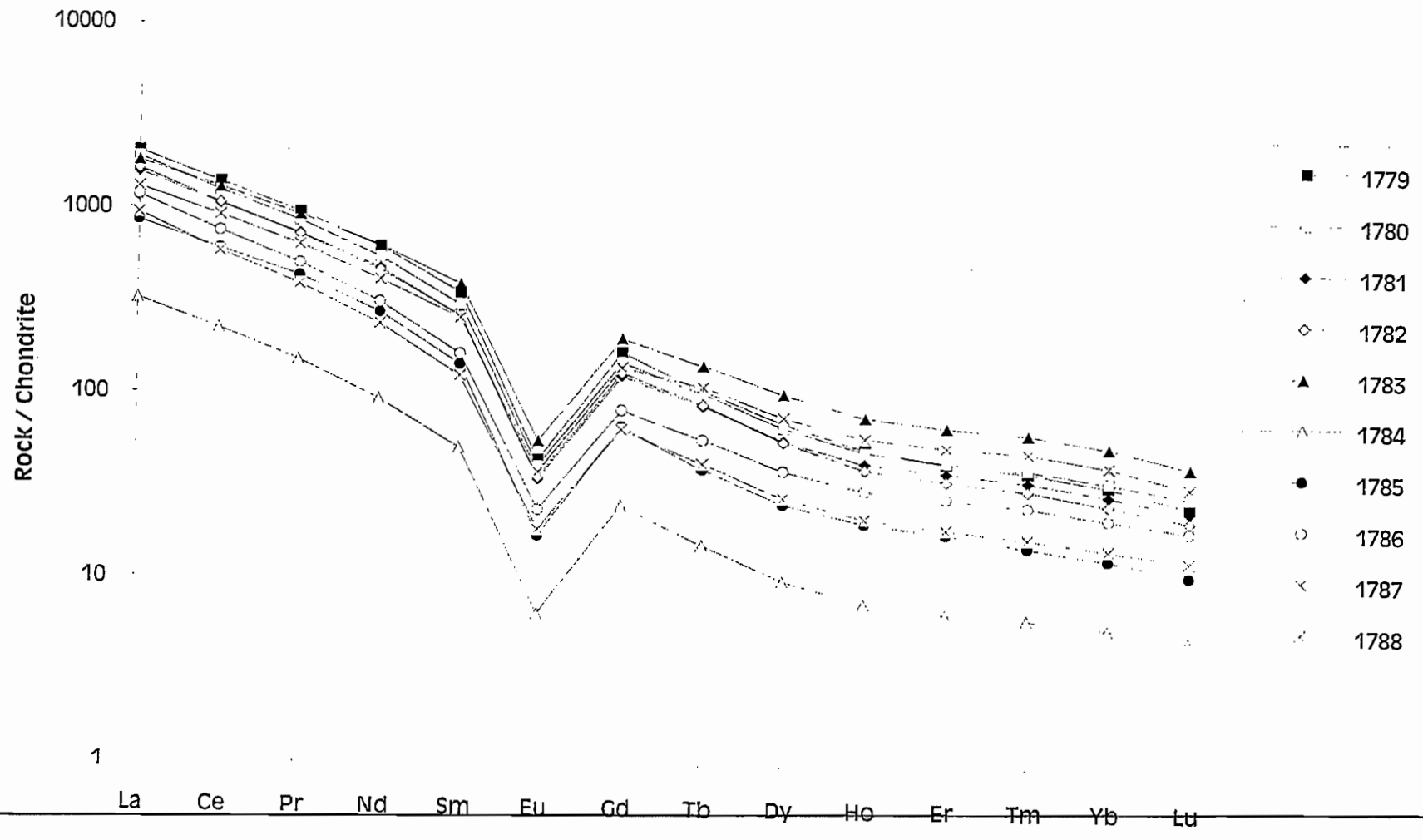


Chart77

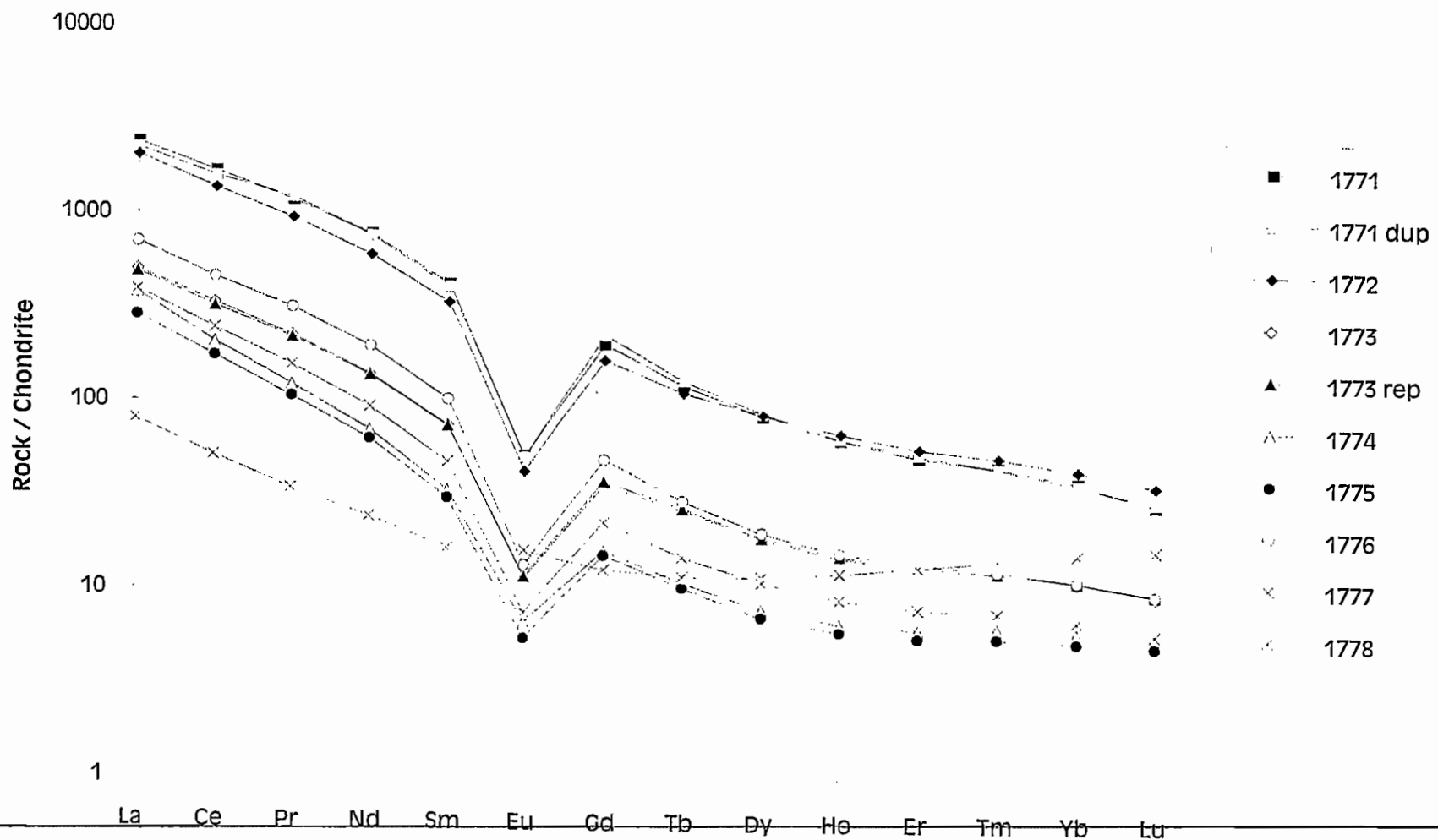


Chart76

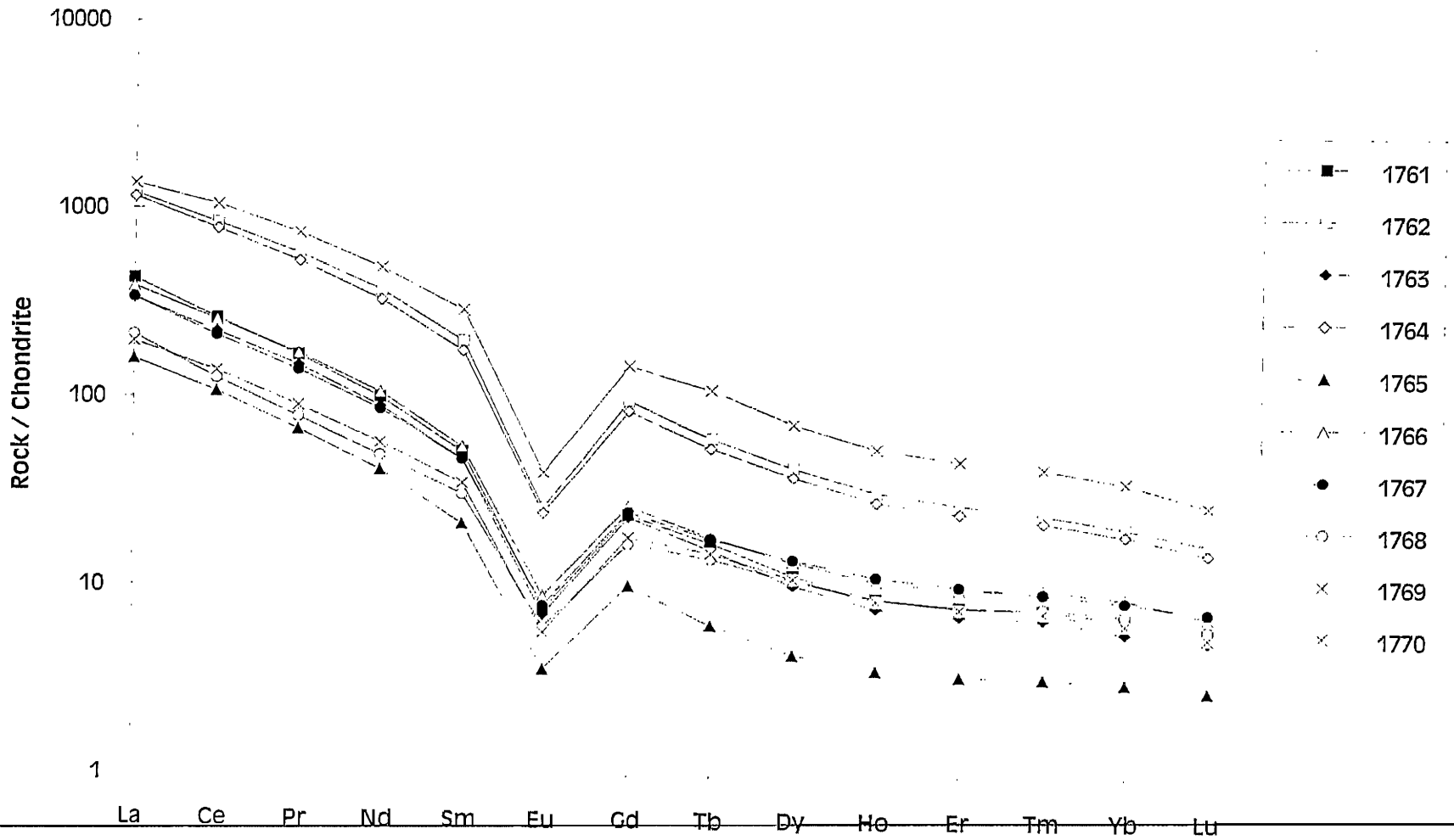


Chart75

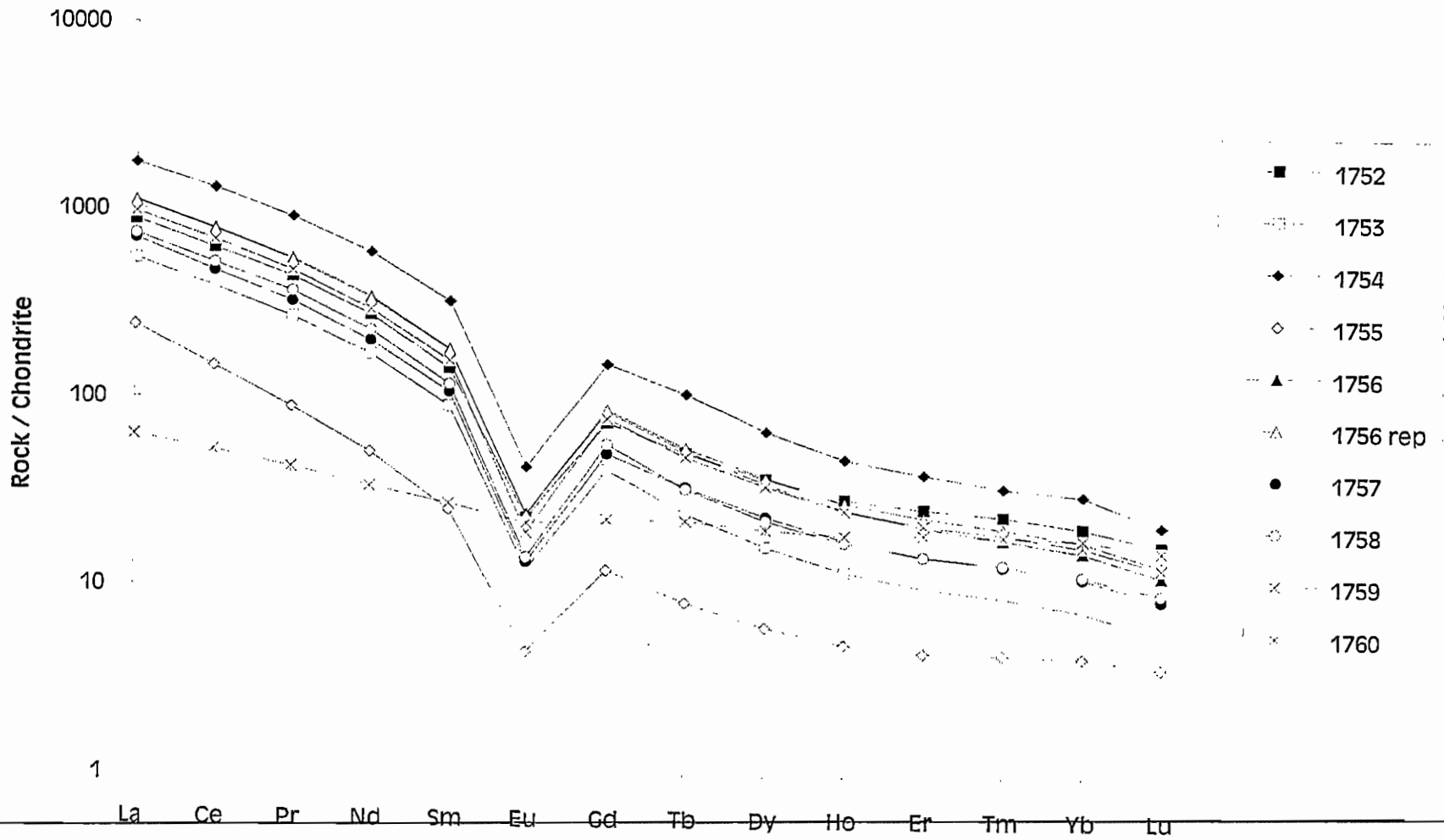
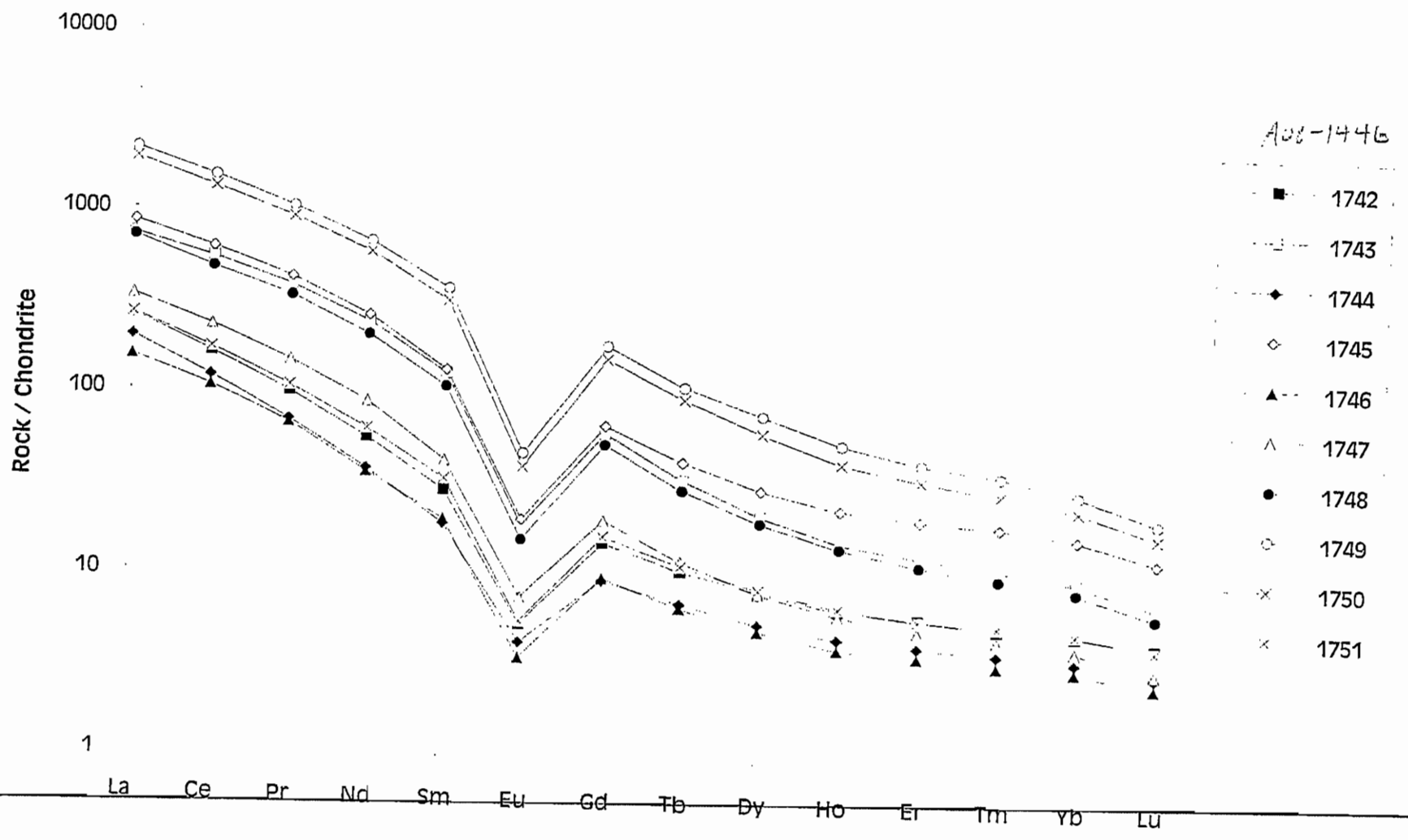




Chart74





Date Submitted: 03-Apr-08  
Invoice No.: A08-1557  
Invoice Date: 13-May-08  
Your Reference: PM 89

Pele Mountain  
55 University Ave.  
Suite 501  
Toronto Ontario M5J2H7  
Canada

ATTN: Tudorel Ciuculescu

## CERTIFICATE OF ANALYSIS

63 Rock samples were submitted for analysis.

The following analytical packages were requested: Code 1A2 Au - Fire Assay AA  
Code 4B2-Std (1-10) Trace Elements Fusion ICP/MS(WRA4B2)  
Code 5D-U-Total DNC

REPORT      A08-1557

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

### Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3  
We recommend using option 4B1 for accurate levels of the base metals Cu, Pb, Zn, Ni and Ag.  
Option 4B-INAA for As, Sb, high W >100ppm, Cr >1000ppm and Sn >50ppm by Code 5D.  
Values for these elements provided by Fusion ICP/MS, are order of magnitude only and are provided for general information. Mineralized samples should have the Quant option selected or request assays for values which exceed the range of option 4B1.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Eric Hoffman". The signature is written in a cursive style and is positioned above a horizontal line.

Eric Hoffman, Ph.D.  
President/General Manager

### ACTIVATION LABORATORIES LTD.

Activation Laboratories Ltd.      Report: A08-1557

Analyte Symbol	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Co	Pr
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1	0.1	0.05
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS

01801  
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Activation Laboratories Ltd. Report: A08-1557

Analyte Symbol	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Ce	Pt
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1	0.1	0.05
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS

01853																								
01854																								
01855																								
01856																								
01857																								
01858																								
01859	30	90	4	< 20	10	< 30	14	1	< 5	138	4	12	142	8	5	< 0.5	< 0.2	< 1	< 0.5	0.8	393	25.4	49.8	4.91
01860	81	90	6	40	< 10	50	26	2	< 5	239	14	219	3550	32	3	10.4	< 0.2	3	2.2	1.8	728	440	897	98.9
01861	64	40	5	< 20	< 10	< 30	24	1	< 5	259	5	21	218	11	8	< 0.5	< 0.2	2	< 0.5	1.3	733	45.2	87.6	8.96
01862	90	20	58	< 20	40	< 30	23	< 1	62	233	5	22	180	10	< 2	< 0.5	< 0.2	2	< 0.5	1.2	747	39.9	81.8	8.05
01863	21	120	9	< 20	< 10	< 30	8	< 1	< 5	48	3	14	25	2	< 2	< 0.5	< 0.2	< 1	1.1	0.6	128	20.3	39.5	4.73

Analyte Symbol	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U	U	Moas	Au	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppb	
Detection Limit	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	0.1		5	
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	DNC	FA-AA	
01801																				29.3		0.092	
01802																					111		1.099
01803																					199		1.071
01804																					171		1.082
01805																					198		1.098
01806																					62.7		1.091
01807																					30.2		1.097
01808																					32.7		1.095
01809																					111		1.095
01810																					121		1.094
01811																					113		1.091
01812																					89.8		1.099
01813																					74.5		1.094
01814																					61.7		1.094
01815																					61.4		1.177
01816																					18.0		1.198
01817																					35.8		1.144
01818																					223		1.190
01819																					18.4		1.190
01820																					120		1.190
01821																					259		1.174
01822																					118		1.267
01823																					462		1.264
01824																					139		1.212
01825																					185		1.255
01828																					24.7		1.285
01827																					998		1.235
01828																					41.3		1.289
01829																					151		1.290
01830																					24.6		1.289
01831																					81.9		1.194
01832																					1.7		1.237
01833																					118		1.051
01834																					429		1.208
01835																					47.8		1.219
01836																					85.2		1.173
01837																					268		1.213
01838																					409		1.101
01839																					13.9		1.233
01840																					42.7		1.197
01841																					224		1.232
01842																					97.7		1.183
01843																					241		1.181
01844																					259		1.260
01845																					85.8		1.248
01846																					28.3		1.240
01847																					62.9		1.214
01848																					527		1.283
01849																					84.0		1.243
01850																					870		1.241
01851																					8680		1.143
01852																					745		1.153

Activation Laboratories Ltd.

Report: A08-1557

Analyte Symbol	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U	U	Mass	Au		
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppb		
Detection Limit	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	0.1		5		
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	DNC	FA-AA		
01853																					805	1,150		
01854																						422	1,133	
01855																						14.2	1,174	
01856																						17.1	1,128	
01857																						4.7	1,135	
01858																						119	1,122	
01859	18.4	3.3	0.44	2.4	0.4	2.0	0.4	1.0	0.14	0.8	0.12	3.8	1.2	2	0.8	6	< 0.4	33.8	11.4			< 5		
01860	351	70.3	9.89	85.1	9.5	48.8	7.9	20.4	2.87	15.8	2.20	83.8	7.5	9	1.8	89	< 0.4	881	581			< 5		
01861	30.8	6.1	0.71	3.8	0.5	3.1	0.8	2.2	0.38	2.8	0.49	6.5	1.3	4	1.1	< 5	< 0.4	11.1	5.1			< 5		
01862	32.4	6.7	1.04	4.1	0.8	3.3	0.7	2.4	0.41	2.9	0.47	5.8	1.1	4	0.8	< 5	< 0.4	7.0	2.7			< 5		
01863	14.9	2.8	0.55	2.9	0.4	2.4	0.5	1.3	0.17	1.0	0.13	0.8	0.4	< 1	0.3	< 5	< 0.4	2.8	1.0			< 5		

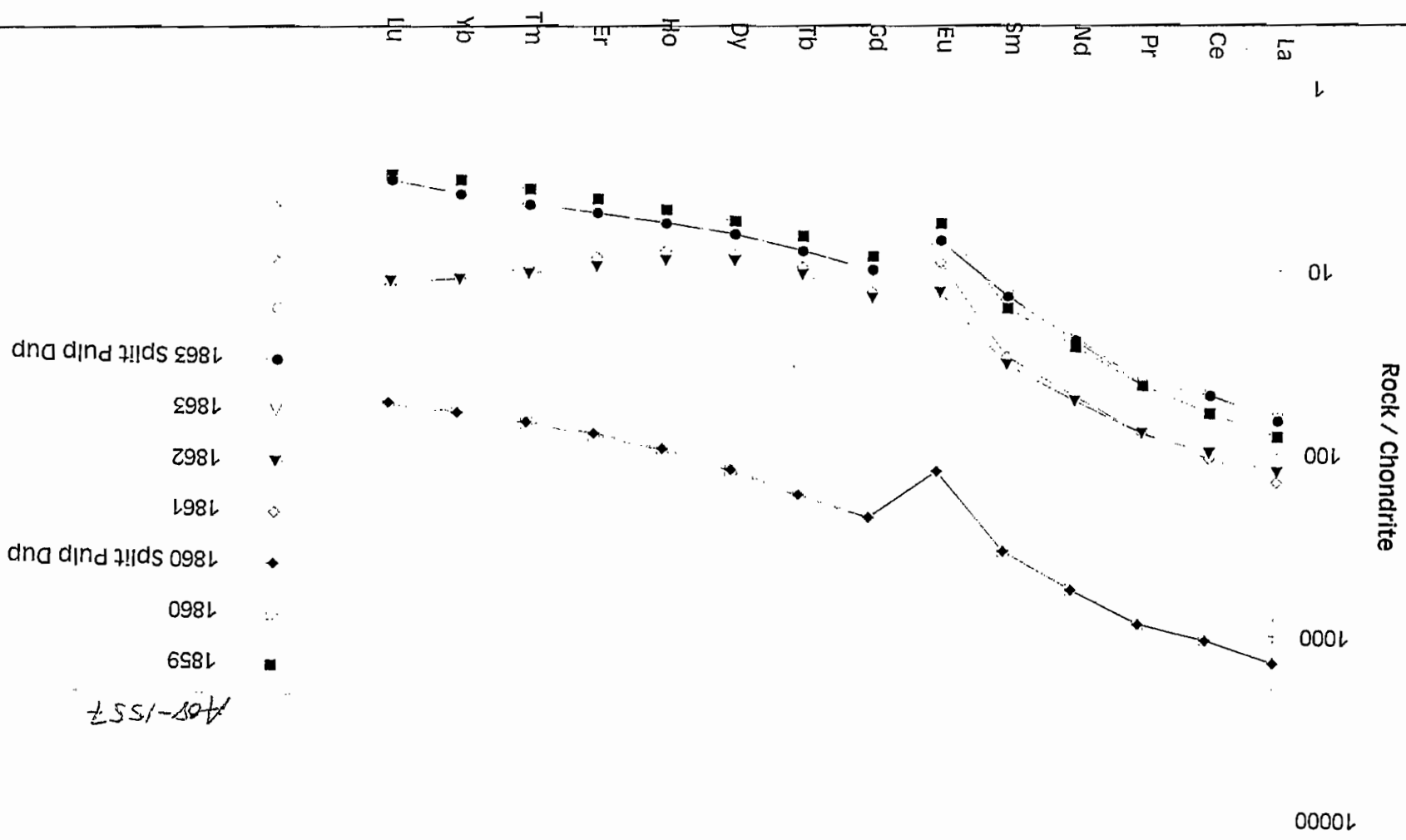
Quality Control																									
Analyte Symbol	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Co	Pb	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detection Limit	5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1	0.1	0.05	
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	
GXR-1 Meas	78	< 20	7	40	1110	760	16		427	3	289	32	33	1	18	35.6	0.8		54	122	2.9	882	7.9	16.1	
GXR-1 Cert	80.0	12.0	8.20	41.0	1110	760	13.8		427	14.0	275	32.0	38.0	0.800	18.0	31.0	0.770		54.0	122	3.00	750	7.50	17.0	
WMG-1 Meas	164	760	198	2560	5890	110	10		11		39	15	58	5	< 2	1.1			2	4.4	< 0.5	110	8.1	17.0	
WMG-1 Cert	149	770	200	2700	5900	110	10.3		7.00		41.0	12.0	43.0	8.00	1.40	2.70			2.20	1.80	0.480	114	8.20	16.0	
DH-1a Meas																									
DH-1a Cert																									
DNC-1 Meas	147	270	55	250	80	70	14	1	< 5	4	137	18	38	1	< 2	< 0.5			1.8	< 0.5	99	3.8	8.5	1.01	
DNC-1 Cert	148	285	54.7	247	95.0	68.0	15.0	1.30	0.200	4.50	145	18.0	41.0	3.00	0.700	0.0270			0.960	0.340	114	3.80	10.6	1.30	
BIR-1 Meas	317	390	52	170	130	80	16	1	< 5	< 2	108	16	16	< 1	< 2	< 0.5			< 1	< 0.5	< 0.5	7	0.7	2.2	0.37
BIR-1 Cert	313	382	51.4	186	129	71.0	16.0	1.50	0.440	0.250	108	16.0	16.0	0.000	0.500	0.0380			0.650	0.580	0.00500	7.00	0.620	1.85	0.380
GXR-2 Meas	52	40	8	20	80	370	35		34	79	153	19	206	10	< 2	8.9	< 0.2		2	31.8	5.2	2030	25.7	52.5	
GXR-2 Cert	52.0	38.0	8.80	21.0	76.0	530	37.0		25.0	78.0	160	17.0	289	11.0	2.10	17.0	0.252		1.70	49.0	5.20	2240	25.6	51.4	
LKSD-3 Meas	75	80	29	50	30	150			25	77	242	28	183	8	< 2	1.3			2	< 0.5	2.2	831	48.3	91.0	
LKSD-3 Cert	82.0	87.0	30.0	47.0	35.0	152			27.0	78.0	240	30.0	178	8.00	2.00	2.70			3.00	1.30	2.30	890	52.0	90.0	
MAG-1 (Diluted) Meas	135	100	21	50	30	130	22		11	152	138	27	128	13	< 2	< 0.5	< 0.2		3	< 0.5	8.6	474	42.8	88.9	0.34
MAG-1 (Diluted) Cert	140	97.0	20.4	53.0	30.0	130	20.4		9.20	149	148	28.0	126	12.0	1.80	0.0800	0.180		3.80	0.960	8.60	479	43.0	89.0	0.30
SY-2 Meas																									
SY-2 Cert																									
W-2a Meas	255	80	42	70	100	80	18	1	< 5	20	188	22	98	7	< 2	< 0.5				< 0.5	0.8	180	10.7	23.9	
W-2a Cert	282	82.0	43.0	70.0	110	80.0	17.0	1.00	1.20	21.0	190	24.0	94.0	7.00	0.600	0.0480				0.790	0.090	182	10.0	23.0	
BL-4a Meas																									
BL-4a Cert																									
CDN-GS-2B Meas																									
CDN-GS-2B Cert																									
CDN-GS-P7A Meas																									
CDN-GS-P7A Cert																									
CTA-AC-1 Meas	102		< 1		50	40						332										820	1540	2420	
CTA-AC-1 Cert	104		2.72		54.0	38.0						272										787	2178	3326	
01830 Orig																									
01830 Split																									
01850 Orig																									
01850 Split																									
01860 Orig	81	90	8	40	< 10	50	28	2	< 5	230	14	219	3550	32	3	10.4	< 0.2		3	2.2	1.8	726	440	867	98.9
01860 Split	81	90	8	40	< 10	50	25	2	< 5	237	13	215	3510	31	3	11.1	< 0.2		3	2.0	1.8	719	444	872	99.7
01883 Orig	21	120	9	< 20	< 10	< 30	6	< 1	< 5	48	3	14	25	2	< 2	< 0.5	< 0.2		< 1	1.1	0.6	128	20.3	39.5	4.73
01883 Split	21	130	9	< 20	< 10	< 30	6	< 1	< 5	45	3	14	22	2	< 2	< 0.5	< 0.2		< 1	2.5	0.8	128	20.9	39.8	4.82
Method Blank Method	< 5	< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5	< 2	< 2	< 1	< 5	< 1	< 2	< 0.5	< 0.2		< 1	< 0.5	< 0.5	< 3	< 0.1	< 0.1	< 0.05
Blank																									
Method Blank Method																									
Blank																									
Method Blank Method																									
Blank																									

Activation Laboratories Ltd. Report: A08-1557

Quality Control																							
Analyte Symbol	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Ti	Pb	Bi	Th	U	U	Mass	Au	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppb	
Detection Limit	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	0.1			
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	DNC	FA-AA	
GXR-1 Meas	9.0	3.0	0.89	3.8	0.8	4.8			0.42	2.3	0.30	0.8	< 0.1	164	0.5	730	1380	2.7	33.9				
GXR-1 Cert	18.0	2.70	0.890	4.20	0.830	4.30			0.430	1.00	0.280	0.990	0.175	164	0.390	730	1380	2.44	34.9				
WMG-1 Meas	9.5	2.3	0.76		0.4	2.5	0.5		0.22	1.3	0.20	1.9	0.3	< 1		17		1.2	0.7				
WMG-1 Cert	9.00	2.30	0.820		0.300	2.80	0.500		0.200	1.30	0.210	1.30	0.500	1.30		15.0		1.10	0.850				
DH-1a Meas																					2870		
DH-1a Cert																					2930		
DNC-1 Meas	5.0	1.4	0.62	1.0	0.4	2.8	0.6	1.9	0.31	1.9	0.29	1.0	< 0.1	< 1	< 0.1	5	< 0.4	0.2	0.1				
DNC-1 Cert	4.90	1.38	0.500	2.00	0.410	2.70	0.620	2.00	0.380	2.01	0.320	1.01	0.0950	0.200	0.0280	6.30	0.0200	0.200	0.100				
BIR-1 Meas	2.6	1.1	0.55	1.8	0.4	2.7	0.6	1.8	0.29	1.7	0.25	0.6	< 0.1	< 1	< 0.1	< 5	< 0.4	< 0.1	< 0.1				
BIR-1 Cert	2.50	1.10	0.540	1.85	0.380	2.50	0.570	1.70	0.280	1.65	0.280	0.600	0.0400	0.0700	0.0100	3.00	0.0200	0.0300	0.0100				
GXR-2 Meas	20.5	3.8	0.82	3.3	0.5	3.0			0.29	1.8	0.27	6.8	0.9	1	0.9	285	< 0.4	8.7	2.9				
GXR-2 Cert	19.0	3.50	0.810	3.30	0.480	3.30			0.300	2.04	0.270	6.30	0.900	1.00	1.03	690	0.800	8.80	2.90				
LKSD-3 Meas	45.7	8.0	1.53		0.9	5.0				2.8	0.40	4.9	0.8	< 1		25		11.2	4.5				
LKSD-3 Cert	44.0	8.00	1.50		1.00	4.90				2.70	0.400	4.80	0.700	2.00		29.0		11.4	4.60				
MAG-1 (Depleted) Meas	38.0	7.3	1.50	6.1	0.8	5.1	0.8	2.8	0.43	2.5	0.37	3.8	1.1	1	0.5	22	< 0.4	12.2	2.8				
MAG-1 (Depleted) Cert	38.0	7.50	1.60	5.80	0.990	5.20	1.02	3.00	0.430	2.80	0.400	3.70	1.10	1.40	0.580	24.0	0.340	11.9	2.70				
SY-2 Meas																					281		
SY-2 Cert																					284		
SY-2 Meas																					282		
SY-2 Cert																					284		
W-2a Meas	13.5	3.2	1.15		0.6	3.8	0.8	2.2	0.34	2.0	0.30	2.0	0.5	< 1	0.1	7	< 0.4	2.3	0.5				
W-2a Cert	13.0	3.30	1.00		0.630	3.60	0.780	2.50	0.380	2.10	0.330	2.60	0.500	0.300	0.200	9.30	0.0300	2.40	0.530				
BL-4a Meas																					1270		
BL-4a Cert																					1250		
CDN-GS-2B Meas																						2100	
CDN-GS-2B Cert																						2030	
CDN-GS-P7A Meas																						798	
CDN-GS-P7A Cert																						770	
CTA-AC-1 Meas	1180	188	48.7	157	16.1					11.4	1.10	1.7	2.6					24.2	4.2				
CTA-AC-1 Cert	1087	162	48.7	124	13.9					11.4	1.08	1.13	2.65					21.8	4.4				
01830 Orig																					24.8	1.289	
01830 Split																					24.1	1.168	
01850 Orig																					870	1.241	
01850 Split																					1020	1.151	
01860 Orig	351	70.3	9.86	65.1	9.5	46.8	7.9	20.4	2.67	15.6	2.20	93.6	7.5	9	1.8	89	< 0.4	991	591			< 5	
01860 Split	351	70.2	9.80	64.5	9.4	46.0	7.8	19.8	2.63	15.4	2.15	92.0	7.3	9	1.7	95	< 0.4	938	555			< 5	
01883 Orig	14.6	2.8	0.55	2.9	0.4	2.4	0.5	1.3	0.17	1.0	0.13	0.8	0.4	< 1	0.3	< 5	< 0.4	2.8	1.0			< 5	
01883 Split	15.1	2.9	0.54	2.9	0.4	2.4	0.5	1.2	0.17	1.0	0.13	0.7	0.3	< 1	0.4	< 5	< 0.4	2.8	1.0			< 5	
Method Blank Method Blank	< 0.1	< 0.1	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.4	< 0.1	< 0.1				
Method Blank Method Blank																					0.1	1.000	
Method Blank Method Blank																							< 5



Chart328



1859-1557

Quality Analysis ...



Innovative Technologies

Date Submitted: 04-Apr-08  
Invoice No.: A08-1587  
Invoice Date: 17-Apr-08  
Your Reference: Reject Analysis

Pele Mountain  
2200 Younge Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

49 Crushed Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT A08-1587

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

### Notes:

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Eric Hoffman", written over a horizontal line.

Eric Hoffman, Ph.D.  
President/General Manager

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or  
+1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [ancaster@actlabsint.com](mailto:ancaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
138808	1130	1.088
138809	384	1.088
138810	518	1.029
138811	173	1.049
138812	83.3	1.078
138813	77.2	1.042
138814	142	1.005
138815	2510	1.007
138816	328	1.085
138817	102	1.088
138818	2200	1.081
138819	200	1.004
138820	453	1.027
138821	25.4	1.082
138822	90.0	1.024
138823	557	1.088
138824	47.2	1.078
138825	837	1.085
138826	738	1.088
138827	88.8	1.021
138828	139	1.024
138829	140	1.078
138830	95.6	1.070
138831	420	1.011
138832	544	1.028
138833	120	1.087
138834	1010	1.049
138835	275	1.037
138836	202	1.047
138837	318	1.089
138838	621	1.022
138839	573	1.022
138840	759	1.041
138841	142	1.020
138842	105	1.088
138843	1290	1.045
138844	18.9	1.048
138845	27.4	1.034
138846	1150	1.008
138847	1230	1.089
138848	9.7	1.052
138849	78.0	1.088
138850	484	1.067
138557	55.2	1.002
138558	2050	1.027
138559	30.5	1.043
138500	885	1.005
138501	847	1.053
138502	81.2	1.089

**Quality Control**

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC

DH-1a Mass	2820	
DH-1a Cert	2830	
SY-2 Mass	287	
SY-2 Cert	284	
SY-2 Mass	283	
SY-2 Cert	284	
BL-4a Mass	1280	
BL-4a Cert	1250	
138837 Orig	318	1.089
138837 Split	313	1.047
138582 Orig	81.2	1.080
138582 Split	81.3	1.001
Method Blank Method	< 0.1	1.000
Blank		

Quality Analysis ...



Innovative Technologies

Date Submitted: 09-Apr-08  
Invoice No.: A08-1675  
Invoice Date: 14-May-08  
Your Reference: PM 90

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Maria Bennett

## CERTIFICATE OF ANALYSIS

30 Rock samples were submitted for analysis.

The following analytical packages were requested: Code 4B2-Std (11+) Trace Elements Fusion ICP/MS(WRA4B2)  
Code 5D-U-Total DNC

REPORT A08-1675

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### Notes:

We recommend using option 4B1 for accurate levels of the base metals Cu, Pb, Zn, Ni and Ag. Option 4B-INAA for As, Sb, high W >100ppm, Cr >1000ppm and Sn >50ppm by Code 5D. Values for these elements provided by Fusion ICP/MS, are order of magnitude only and are provided for general information. Mineralized samples should have the Quant option selected or request assays for values which exceed the range of option 4B1.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Eric Hoffman". The signature is written in a cursive style and is positioned above a horizontal line.

Eric Hoffman, Ph.D.  
President/General Manager

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or  
+1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [ancaster@actlabsintl.com](mailto:ancaster@actlabsintl.com) ACTLABS GROUP WEBSITE <http://www.actlabsintl.com>

Activation Laboratories Ltd.      Report: A08-1675

Analyte Symbol	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Ln	Co	Pr
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1	0.1	0.05
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
01864	< 5	30	5	< 20	< 10	< 30	4	< 1	< 5	88	29	7	80	8	< 2	< 0.5	< 0.2	4	5.8	1.0	818	23.4	41.2	4.33
01865	10	250	54	20	< 10	< 30	8	< 1	9	76	28	30	225	24	3	< 0.5	< 0.2	< 1	3.3	0.8	531	271	512	58.8
01866	10	20	41	< 20	< 10	30	4	< 1	0	95	28	28	280	24	3	< 0.5	< 0.2	< 1	5.0	0.8	587	13.4	24.8	2.74
01867	12	280	53	30	10	< 30	4	< 1	9	88	24	38	268	34	5	< 0.5	< 0.2	< 1	8.5	1.1	528	78.3	144	15.7
01868	18	20	3	< 20	< 10	< 30	8	< 1	< 5	140	28	5	89	4	< 2	< 0.5	< 0.2	1	7.1	1.4	894	5.8	10.3	1.14
01869	7	320	24	< 20	< 10	< 30	4	< 1	< 5	103	28	14	143	11	4	< 0.5	< 0.2	< 1	7.8	1.0	835	23.5	43.6	4.91
01870	9	20	18	< 20	< 10	< 30	4	< 1	< 5	88	22	18	108	11	< 2	< 0.5	< 0.2	< 1	4.8	1.0	481	6.9	13.5	1.82
01871	10	300	22	30	30	< 30	5	< 1	< 5	107	28	12	88	7	4	< 0.5	< 0.2	< 1	8.1	1.0	571	69.8	119	12.7
01872	13	20	3	< 20	< 10	< 30	8	< 1	< 5	135	28	5	81	4	< 2	< 0.5	< 0.2	< 1	7.1	1.4	831	6.2	10.5	1.09
01873	10	210	5	< 20	< 10	< 30	4	< 1	< 5	95	23	11	85	7	2	< 0.5	< 0.2	< 1	6.3	0.9	528	23.0	37.9	4.05
01874	24	30	2	< 20	< 10	< 30	12	< 1	< 5	193	27	9	92	7	< 2	< 0.5	< 0.2	1	7.1	2.0	746	18.5	30.9	3.23
01875	12	220	10	< 20	< 10	< 30	7	< 1	< 5	83	33	18	77	10	4	< 0.5	< 0.2	1	8.5	0.8	527	219	381	42.1
01876	9	< 20	8	< 20	< 10	< 30	7	< 1	< 5	111	29	9	85	5	< 2	< 0.5	< 0.2	< 1	7.0	1.3	872	115	193	21.8
01877	8	220	28	< 20	< 10	< 30	5	< 1	7	86	29	22	115	12	4	< 0.5	< 0.2	1	6.3	0.8	578	93.7	180	17.1
01878	13	30	7	< 20	< 10	< 30	5	< 1	< 5	100	24	19	91	8	< 2	< 0.5	< 0.2	< 1	7.7	1.0	558	9.4	17.5	2.20
01879	15	190	8	< 20	< 10	< 30	8	< 1	< 5	125	28	15	92	8	4	< 0.5	< 0.2	< 1	6.0	1.3	848	62.8	110	11.8
01880	15	30	18	< 20	< 10	< 30	15	1	7	155	43	33	182	21	< 2	< 0.5	< 0.2	1	8.8	2.1	719	480	829	81.8
01881	11	170	12	< 20	< 10	< 30	17	2	6	137	54	24	123	11	3	< 0.5	< 0.2	< 1	5.4	1.0	772	774	1380	131
01882	7	20	8	< 20	30	< 30	11	< 1	< 5	155	29	14	115	10	< 2	< 0.5	< 0.2	< 1	5.8	2.1	784	51.0	84.2	8.09
01883	8	280	11	< 20	< 10	< 30	7	< 1	< 5	100	24	16	103	9	6	< 0.5	< 0.2	< 1	6.3	1.7	443	12.8	22.0	2.42
01884	< 5	20	20	< 20	< 10	< 30	8	< 1	7	120	20	21	148	14	< 2	< 0.5	< 0.2	< 1	8.5	1.4	488	33.9	58.8	5.52
01885	14	240	7	< 20	< 10	130	10	< 1	< 5	150	47	9	102	10	3	< 0.5	< 0.2	1	11.3	1.3	862	42.8	70.2	6.41
01886	< 5	30	8	< 20	< 10	< 30	11	< 1	5	115	18	13	118	9	< 2	< 0.5	< 0.2	< 1	5.3	1.4	800	71.0	121	12.0
01887	10	170	8	20	< 10	70	10	< 1	< 5	57	18	8	105	8	3	< 0.5	< 0.2	< 1	6.7	1.3	288	59.8	99.3	9.83
01888	< 5	< 20	3	< 20	< 10	< 30	7	< 1	< 5	78	20	4	55	3	< 2	< 0.5	< 0.2	< 1	5.0	0.6	680	35.2	52.4	4.53
01889	< 5	280	9	< 20	20	< 30	9	1	7	82	31	32	132	17	5	< 0.5	< 0.2	< 1	4.8	0.7	548	265	487	52.1
01890	14	30	9	< 20	40	40	15	1	< 5	74	44	53	217	30	< 2	< 0.5	< 0.2	1	7.2	1.8	418	448	784	78.3
01891	8	200	9	< 20	10	< 30	15	< 1	10	142	28	34	189	17	4	< 0.5	< 0.2	1	5.5	1.4	910	238	383	39.2
01892	200	< 20	51	< 20	50	180	18	1	< 5	44	110	32	108	5	< 2	< 0.5	< 0.2	1	6.2	2.1	330	19.5	37.5	4.31
01893	< 5	20	8	< 20	20	70	12	< 1	< 5	88	15	18	86	11	< 2	< 0.5	< 0.2	9	6.7	2.0	338	115	181	17.8

Activation Laboratories Ltd.

Report: A08-1675

Analyte Symbol	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Ti	Pb	Bi	Th	U	U	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	0.1	
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	DNC
01804	15.2	3.3	0.51	2.5	0.3	1.7	0.3	0.8	0.10	0.0	0.09	2.3	1.3	<1	0.9	19	<0.4	28.3	16.4	19.2	1.044
01805	170	31.1	3.78	19.7	2.2	9.9	1.6	4.1	0.51	2.7	0.35	8.1	9.5	<1	0.4	85	0.7	470	228	288	1.018
01806	17.0	6.2	1.60	8.3	1.3	6.4	1.1	2.8	0.37	2.0	0.25	7.3	6.8	<1	0.6	57	0.4	254	115	124	1.007
01807	55.0	12.9	2.42	12.2	1.8	9.4	1.6	3.9	0.49	2.7	0.35	7.3	11.4	<1	0.6	90	1.0	390	160	183	1.002
01808	4.3	1.1	0.20	1.1	0.2	0.9	0.2	0.5	0.07	0.4	0.06	1.9	1.0	<1	1.1	37	<0.4	29.3	13.1	12.4	1.019
01809	21.3	5.9	1.06	5.5	0.7	3.4	0.8	1.4	0.18	1.0	0.14	3.7	2.8	<1	0.7	33	<0.4	78.0	38.5	41.4	1.014
01870	11.4	4.8	1.03	5.7	0.8	3.8	0.8	1.8	0.21	1.1	0.14	3.0	2.9	<1	0.5	22	<0.4	80.4	38.9	41.2	1.037
01871	40.9	7.9	1.08	5.0	0.6	2.9	0.5	1.3	0.17	1.0	0.12	2.5	1.7	<1	1.0	25	<0.4	44.1	18.3	19.8	1.018
01872	4.6	1.3	0.27	1.4	0.2	1.1	0.2	0.5	0.08	0.5	0.07	1.7	0.9	<1	0.9	11	<0.4	10.0	4.4	4.5	1.007
01873	18.5	4.4	0.72	3.8	0.5	2.6	0.4	1.1	0.15	0.9	0.11	2.4	1.6	<1	0.9	32	<0.4	28.3	10.8	13.5	1.039
01874	12.3	3.1	0.55	2.7	0.4	2.0	0.4	0.9	0.13	0.8	0.11	2.7	1.4	<1	1.4	19	<0.4	25.0	11.1	12.3	1.019
01875	111	19.9	2.43	11.5	1.1	4.2	0.7	1.8	0.24	1.3	0.14	2.0	2.5	<1	0.7	33	<0.4	85.9	34.1	39.3	1.016
01876	57.9	9.6	1.18	5.1	0.5	2.1	0.3	0.8	0.11	0.7	0.08	1.7	1.2	<1	1.0	248	<0.4	34.7	22.0	25.6	1.000
01877	54.0	10.6	1.53	8.4	1.1	4.6	0.8	2.0	0.28	1.4	0.15	2.9	3.5	<1	0.7	51	<0.4	148	83.0	91.9	1.058
01878	11.8	4.1	0.85	4.1	0.7	3.7	0.7	1.8	0.24	1.3	0.15	2.5	1.7	<1	0.9	38	<0.4	37.8	18.4	19.2	1.014
01879	37.0	7.0	1.11	5.6	0.7	3.0	0.5	1.3	0.16	1.0	0.11	2.4	2.0	<1	0.5	18	<0.4	73.3	29.9	32.4	1.027
01880	228	37.4	5.00	22.2	1.9	7.1	1.2	3.4	0.43	2.0	0.24	5.2	4.9	<1	1.0	46	<0.4	185	76.2	82.2	1.087
01881	348	50.2	6.70	29.3	1.7	5.6	0.9	2.4	0.30	1.4	0.18	3.2	2.3	<1	0.8	27	<0.4	94.8	34.0	33.7	1.051
01882	27.2	5.9	0.98	4.6	0.8	3.0	0.5	1.5	0.20	1.0	0.13	3.4	2.1	<1	1.1	31	<0.4	61.8	26.9	27.0	1.087
01883	12.0	3.8	0.87	3.9	0.6	3.1	0.6	1.7	0.23	1.3	0.15	2.8	1.9	<1	0.8	29	<0.4	35.0	15.9	15.0	1.073
01884	20.9	5.2	1.00	5.4	0.8	4.2	0.8	2.1	0.27	1.4	0.18	4.2	2.8	<1	0.9	34	<0.4	96.1	45.9	54.0	1.052
01885	19.8	3.3	0.38	2.4	0.3	1.4	0.3	0.9	0.13	0.8	0.12	3.0	1.6	<1	0.9	27	<0.4	42.3	18.3	18.8	1.050
01886	37.1	6.2	0.51	4.3	0.5	2.7	0.5	1.3	0.18	1.0	0.14	3.1	1.8	<1	0.8	37	<0.4	84.4	45.9	50.7	1.023
01887	30.5	4.6	0.48	3.1	0.4	1.8	0.3	0.8	0.11	0.6	0.09	2.9	1.9	<1	0.5	48	<0.4	47.0	18.1	19.1	1.005
01888	13.8	2.3	0.21	1.4	0.2	0.8	0.1	0.5	0.06	0.4	0.05	1.8	0.6	<1	0.4	23	<0.4	15.1	7.5	7.7	1.021
01889	154	23.3	1.84	19.1	1.8	6.5	1.1	3.0	0.40	2.2	0.25	3.5	3.9	1	0.2	59	<0.4	197	112	119	1.053
01890	243	40.7	3.76	28.1	2.8	12.1	2.0	5.9	0.76	3.8	0.44	6.2	6.9	1	0.9	239	<0.4	394	238	249	1.071
01891	129	21.4	2.01	14.9	1.5	6.7	1.2	3.5	0.45	2.3	0.30	5.5	3.6	1	0.7	69	<0.4	168	111	116	1.020
01892	18.9	4.2	1.41	5.0	0.8	5.3	1.1	3.6	0.53	3.2	0.48	3.2	0.4	<1	0.3	73	<0.4	6.3	2.4	2.3	1.072
01893	48.9	8.4	0.47	6.1	0.7	3.7	0.7	1.9	0.24	1.4	0.18	2.7	2.0	2	1.1	91	0.7	81.8	115	121	1.056

Quality Control

Analyte Symbol	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Ce	Pr
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	20	1	20	10	30	1	1	5	2	2	1	5	1	2	0.5	0.2	1	0.5	0.5	3	0.1	0.1	0.05
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
GXR-1 Meas	71	<20	7	30	1100	760	16		426	3	263	31	34	1	7	38.1	0.8	54	121	3.0	953	8.0	15.3	
GXR-1 Cert	80.0	12.0	8.20	41.0	1110	760	13.8		427	14.0	275	32.0	38.0	0.800	18.0	31.0	0.770	54.0	122	3.00	750	7.50	17.0	
WMG-1 Meas	157	750	189	2000	4810	110	10		8		40	15	59	5	<2	0.9		1	8.9	<0.5	121	8.5	17.4	
WMG-1 Cert	149	776	200	2700	5900	110	10.3		7.00		41.0	12.0	43.0	8.00	1.40	2.70		2.20	1.80	0.480	114	8.20	16.0	
DH-1a Meas																								
DH-1a Cert																								
DH-1a Meas																								
DH-1a Cert																								
DNC-1 Meas	139	270	55	250	100	80	14	1	<5	3	137	18	37	1	<2	<0.5		9.2	<0.5	107	3.8	8.5	1.09	
DNC-1 Cert	146	265	54.7	247	96.0	86.0	15.0	1.30	0.200	4.50	145	18.0	41.0	3.00	0.700	0.0270		0.890	0.340	114	3.80	10.6	1.30	
BIR-1 Meas	311	380	51	180	130	80	18	1	<5	<2	107	16	16	<1	<2	<0.5		<1	5.1	<0.5	8	0.8	2.2	0.39
BIR-1 Cert	313	382	51.4	188	126	71.0	16.0	1.50	0.440	0.250	108	16.0	16.0	0.600	0.500	0.0390		0.650	0.580	0.00500	7.00	0.820	1.95	0.380
GXR-2 Meas	44	30	8	<20	70	300	38		22	78	140	18	245	10	<2	7.5	<0.2	2	35.9	5.4	2110	28.8	54.2	
GXR-2 Cert	52.0	38.0	8.60	21.0	78.0	530	37.0		25.0	78.0	160	17.0	289	11.0	2.10	17.0	0.252	1.70	49.0	5.20	2240	25.6	51.4	
LKSD-3 Meas	78	70	29	50	40	70			22	73	235	30	179	8	<2	0.6		2	7.2	2.4	885	48.5	90.2	
LKSD-3 Cert	82.0	87.0	30.0	47.0	35.0	152			27.0	78.0	240	30.0	178	8.00	2.00	2.70		3.00	1.30	2.30	680	52.0	60.0	
MAG-1 (Depleted) Meas	116	90	20	40	20	130	21		7	134	129	27	115	13	<2	<0.5	<0.2	3	7.0	8.4	476	39.7	81.2	8.30
MAG-1 (Depleted) Cert	140	97.0	20.4	53.0	30.0	130	20.4		9.20	149	148	28.0	126	12.0	1.80	0.0800	0.180	3.80	0.900	8.80	479	43.0	88.0	9.30
SY-2 Meas																								
SY-2 Cert																								
SY-2 Meas																								
SY-2 Cert																								
W-2a Meas	246	80	41	70	110	80	17	1	<5	19	177	22	93	6	<2	<0.5			5.9	0.9	179	11.4	24.0	
W-2a Cert	282	92.0	43.0	70.0	110	80.0	17.0	1.00	1.20	21.0	190	24.0	94.0	7.90	0.600	0.0460			0.790	0.990	182	10.0	23.0	
BL-4a Meas																								
BL-4a Cert																								
BL-4a Meas																								
BL-4a Cert																								
CTA-AC-1 Meas	92		<1		60	60						312									893	>2000	>3000	
CTA-AC-1 Cert	104		2.72		54.0	38.0						272									787	2178	3328	
01878 Orig	12	30	7	<20	<10	<30	5	<1	<5	96	23	19	80	8	<2	<0.5	<0.2	<1	7.3	1.0	549	9.0	17.0	2.18
01878 Dup	13	20	7	<20	<10	<30	5	<1	<5	103	26	18	94	8	<2	<0.5	<0.2	<1	8.1	1.0	583	9.8	18.1	2.22
Method Blank Method	<5	<20	<1	<20	<10	<30	<1	<1	<5	<2	<2	<1	<5	<1	<2	<0.5	<0.2	<1	<0.5	<0.5	<3	<0.1	<0.1	<0.05
Blank																								
Method Blank Method																								
Blank																								



Quality Control																					
Analyte Symbol	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Ti	Pb	Bi	Th	U	U	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1	0.1	
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	DNC	DNC
GXR-1 Meas	8.2	2.9	0.94	3.9	0.8	4.0			0.41	2.3	0.30	0.9	< 0.1	163	0.7	751	1380	2.6	31.7		
GXR-1 Cort	18.0	2.70	0.890	4.20	0.830	4.30			0.430	1.80	0.280	0.960	0.175	164	0.380	730	1380	2.44	34.9		
WMG-1 Meas	9.1	2.3	0.77		0.4	2.4	0.5		0.22	1.3	0.19	1.6	0.4	< 1		13		1.2	0.8		
WMG-1 Cort	9.00	2.30	0.820		0.300	2.80	0.500		0.200	1.30	0.210	1.30	0.500	1.30		15.0		1.10	0.850		
DH-1a Meas																					2840
DH-1a Cort																					2830
DH-1a Meas																					2810
DH-1a Cort																					2830
DNC-1 Meas	4.8	1.4	0.62	2.0	0.4	2.7	0.6	2.0	0.32	2.0	0.30	1.0	< 0.1	< 1	< 0.1	8	< 0.4	0.2	< 0.1		
DNC-1 Cort	4.90	1.38	0.590	2.00	0.410	2.70	0.620	2.00	0.380	2.01	0.320	1.01	0.0980	0.200	0.0280	6.30	0.0200	0.200	0.100		
BIR-1 Meas	2.3	1.1	0.54	1.8	0.4	2.5	0.5	1.8	0.28	1.0	0.24	0.6	< 0.1	< 1	< 0.1	< 5	< 0.4	< 0.1	< 0.1		
BIR-1 Cort	2.50	1.10	0.540	1.85	0.390	2.50	0.570	1.70	0.290	1.65	0.260	0.600	0.0400	0.0700	0.0100	3.00	0.0200	0.0300	0.0100		
GXR-2 Meas	19.3	3.6	0.79	3.2	0.5	2.9			0.30	1.8	0.27	6.8	0.9	2	0.9	180	< 0.4	8.9	2.9		
GXR-2 Cort	19.0	3.50	0.810	3.30	0.480	3.30			0.300	2.04	0.270	8.30	0.900	1.90	1.03	690	0.690	8.80	2.90		
LKSD-3 Meas	40.3	7.4	1.47		0.9	4.8				2.7	0.40	4.7	0.7	1		< 5		10.8	4.5		
LKSD-3 Cort	44.0	8.00	1.50		1.00	4.90				2.70	0.400	4.80	0.700	2.00		29.0		11.4	4.60		
MAG-1 (Depleted) Meas	33.2	8.5	1.37	5.8	0.9	4.7	0.8	2.6	0.41	2.4	0.35	3.3	1.2	1	0.4	15	< 0.4	11.2	2.8		
MAG-1 (Depleted) Cort	38.0	7.50	1.80	5.80	0.980	5.20	1.02	3.00	0.430	2.80	0.400	3.70	1.10	1.40	0.590	24.0	0.340	11.9	2.70		
SY-2 Meas																					282
SY-2 Cort																					284
SY-2 Meas																					285
SY-2 Cort																					284
W-2a Meas	12.6	3.3	1.12		0.7	3.8	0.7	2.3	0.35	2.0	0.30	2.5	0.5	< 1	0.1	7	< 0.4	2.2	0.5		
W-2a Cort	13.0	3.30	1.00		0.630	3.60	0.780	2.50	0.380	2.10	0.330	2.60	0.500	0.300	0.200	9.30	0.0300	2.40	0.530		
BL-4a Meas																					1250
BL-4a Cort																					1250
BL-4a Meas																					1280
BL-4a Cort																					1250
CTA-AC-1 Meas	1040	160	46.7	132	16.1					11.3	1.08	2.0	2.8					23.9	4.0		
CTA-AC-1 Cort	1087	162	46.7	124	13.9					11.4	1.08	1.13	2.85					21.8	4.4		
01878 Orig	11.5	3.9	0.81	3.9	0.7	3.8	0.7	1.7	0.24	1.4	0.15	2.4	1.6	< 1	1.0	40	< 0.4	35.4	17.8		
01878 Dup	12.1	4.3	0.70	4.3	0.7	3.7	0.7	1.8	0.25	1.3	0.15	2.6	1.8	< 1	0.8	31	< 0.4	36.8	19.0		
Method Blank Method	< 0.1	< 0.1	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.4	< 0.1	< 0.1		
Blank																					
Method Blank Method																					< 0.1
Blank																					1.000

Chart1

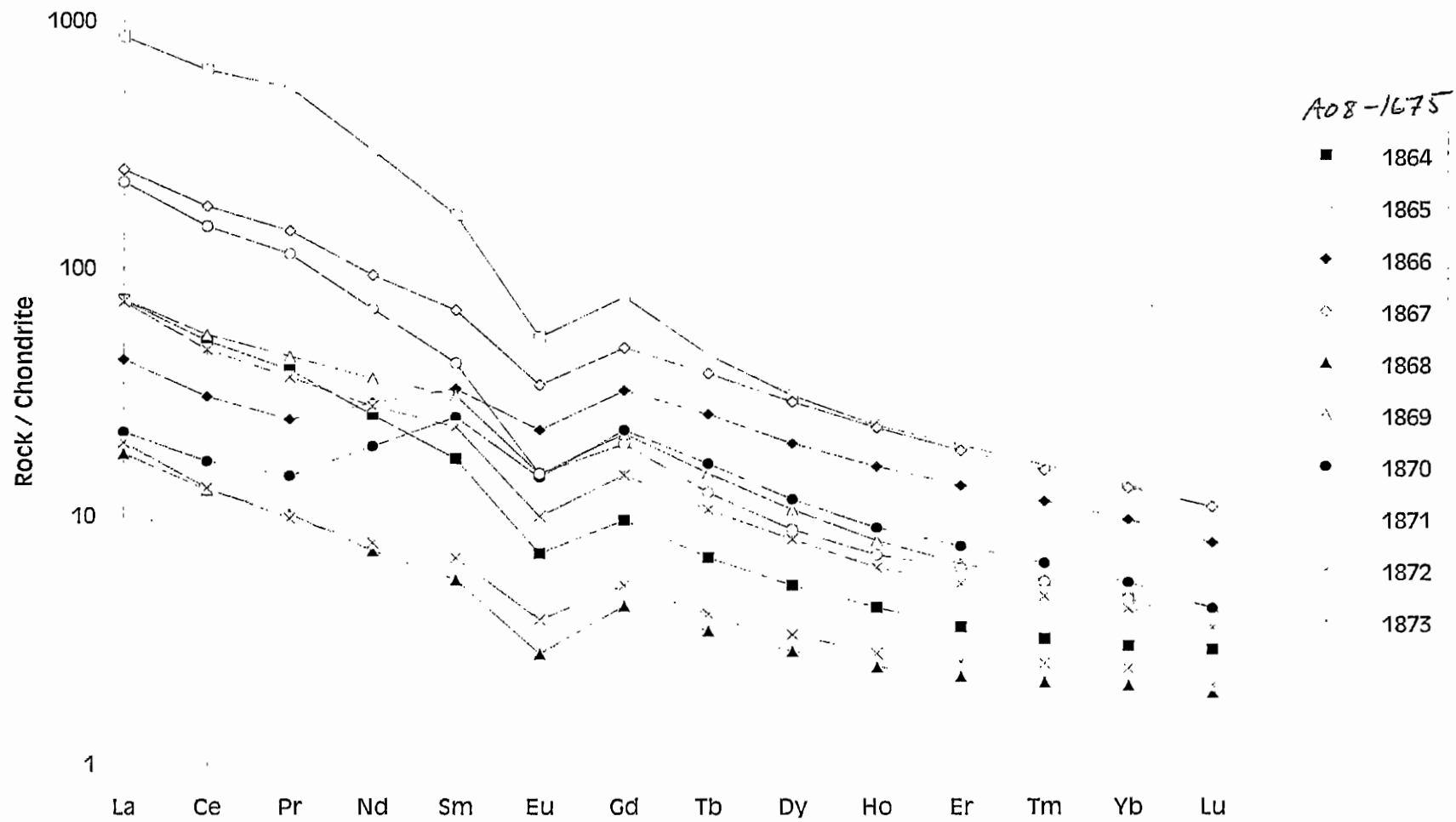


Chart2

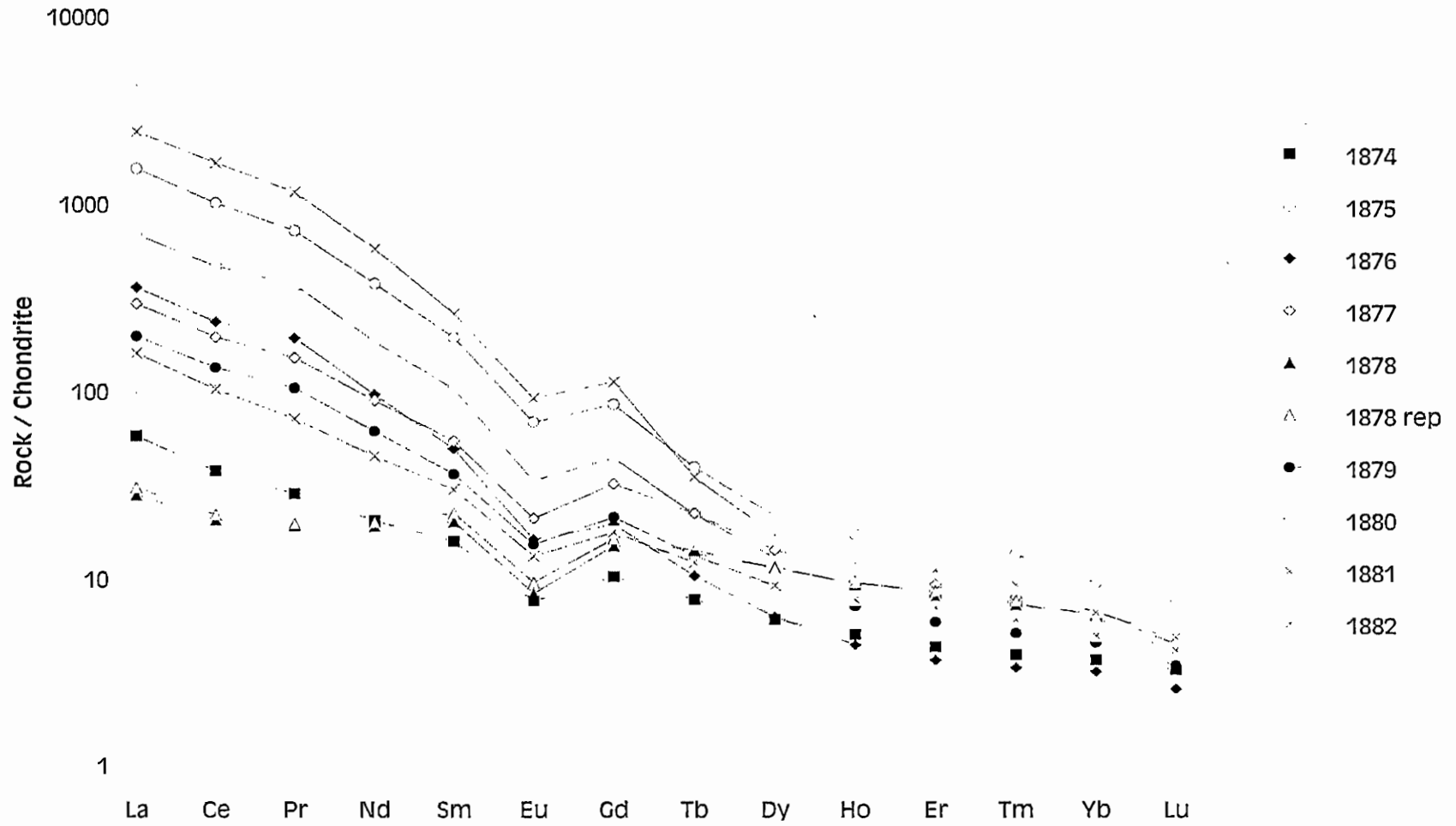


Chart3

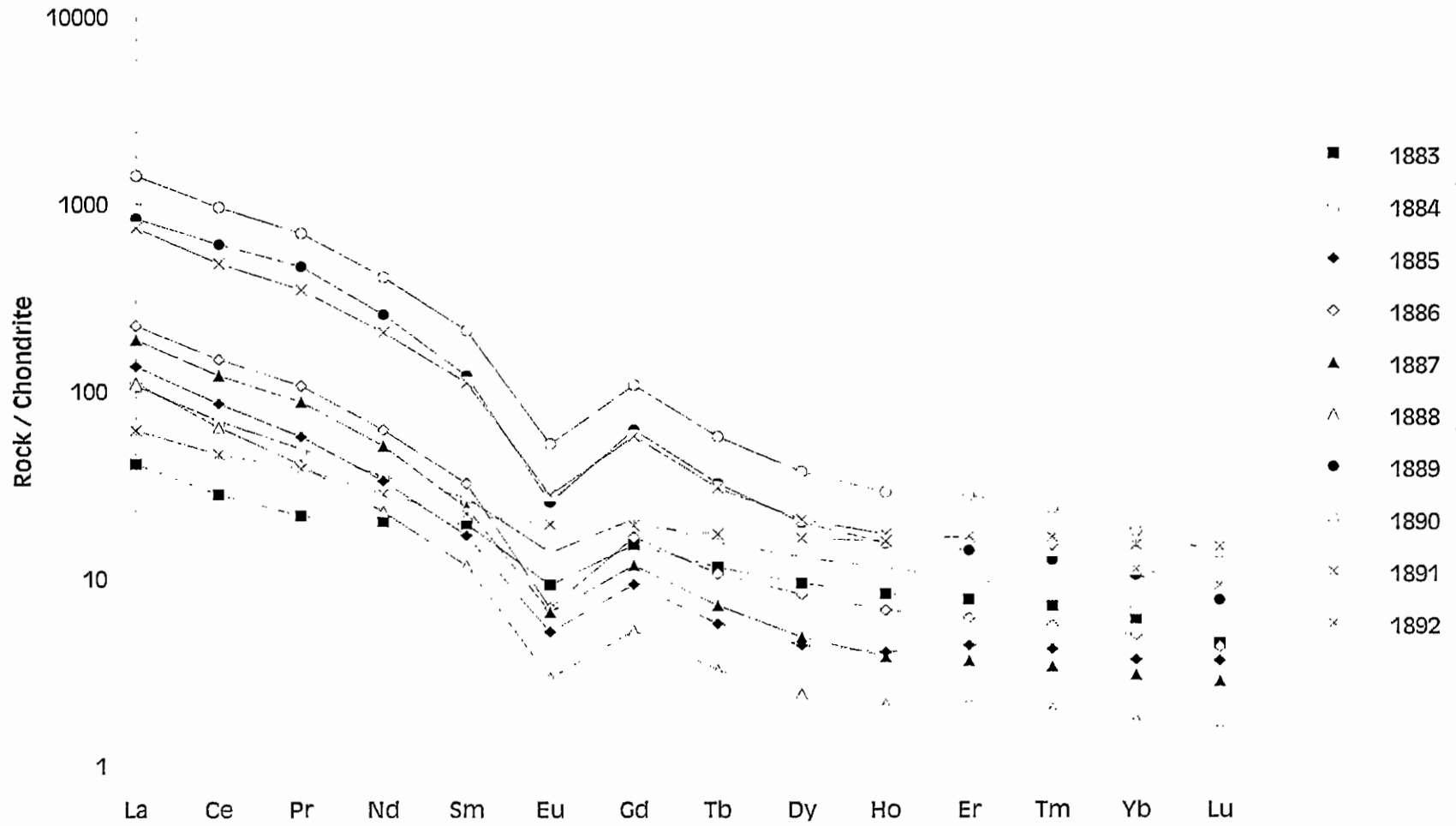
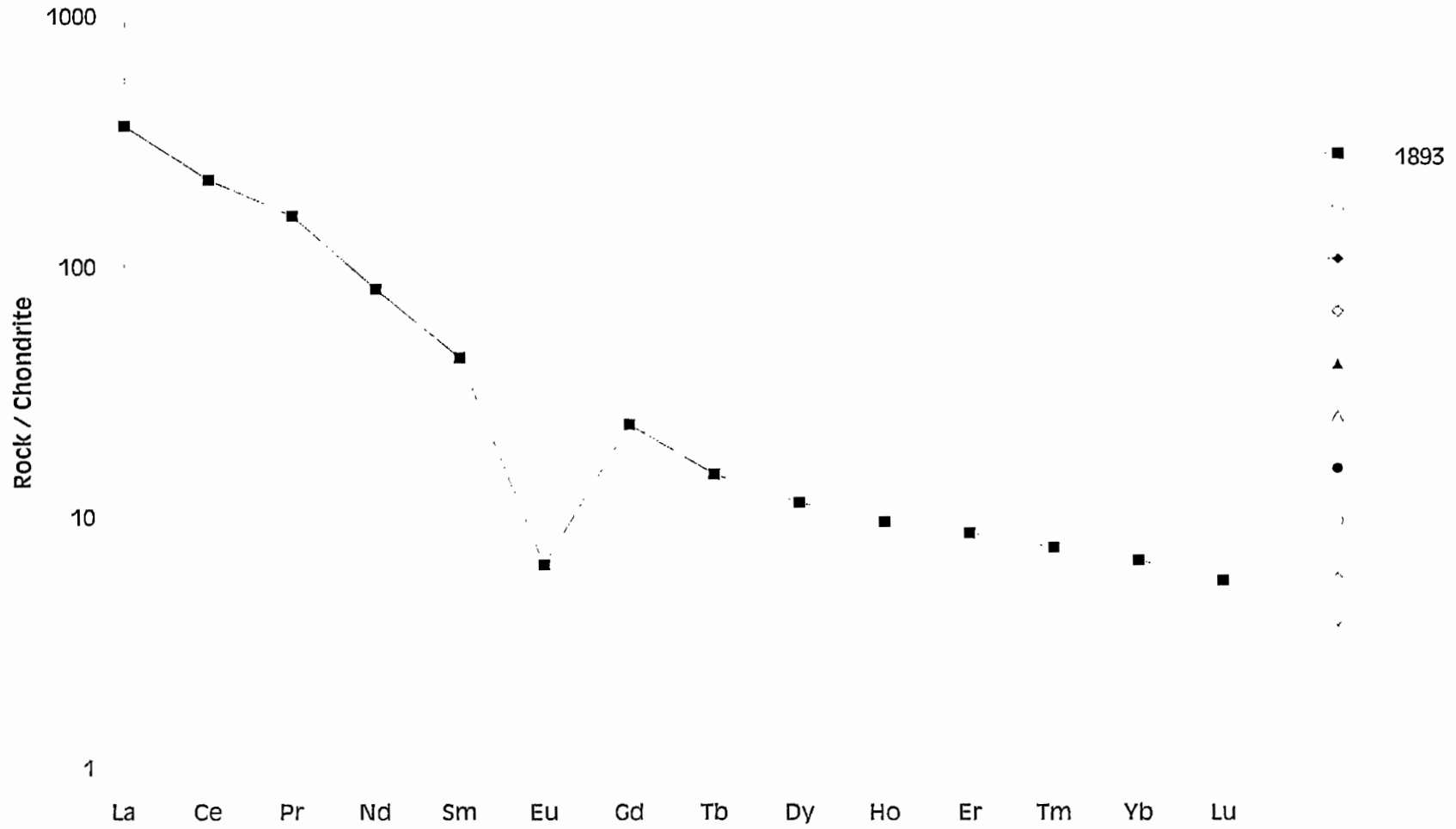


Chart4



Quality Analysis ...



Innovative Technologies

Date Submitted: 15-May-08  
Invoice No.: A08-2445  
Invoice Date: 10-Jun-08  
Your Reference: Elliot Lake

Pele Mountain  
2200 Young Street, Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Mark Smethurst

## CERTIFICATE OF ANALYSIS

17 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1H INAA(INAAGEO)/Total Digestion ICP(TOTAL)

REPORT A08-2445

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### Notes:

Elements which exceed the upper limits should be analyzed by assay techniques. Some elements are reported by multiple techniques. These are indicated by MULT.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "E. Hoffman", written over a horizontal line.

Eric Hoffman, Ph.D.  
President/General Manager

### ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or  
+1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [ancaster@actlabsint.com](mailto:ancaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Analyte Symbol	Au	Ag	Cu	Cd	Mo	Pb	Ni	Zn	S	Al	As	Ba	Bo	Bl	Br	Ca	Co	Cr	Cs	Eu	Fe	Hf	Hg	Ir
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
Detection Limit	2	0.3	1	0.3	1	3	1	1	0.01	0.01	0.5	50	1	2	0.5	0.01	1	2	1	0.2	0.01	1	1	5
Analysis Method	INAA	MULT INAA / TD- ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	MULT INAA / TD- ICP	MULT INAA / TD- ICP	TD-ICP	TD-ICP	INAA	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
02001	< 2	0.4	25	< 0.3	< 1	9	15	25	0.09	4.07	15.3	300	1	< 2	< 0.5	0.48	12	81	2	0.6	4.43	8	< 1	< 5
02002	< 2	< 0.3	18	< 0.3	< 1	13	10	30	0.02	4.98	4.9	500	1	< 2	1.8	0.50	8	24	2	0.3	4.38	4	< 1	< 5
02003	< 2	1.7	180	0.7	1	18	48	38	0.03	4.88	3.2	430	1	2	< 0.5	1.00	92	45	2	0.4	10.1	4	< 1	< 5
02004	< 2	0.5	80	< 0.3	2	17	37	47	0.04	8.27	< 0.5	400	1	< 2	< 0.5	2.65	24	98	< 1	0.8	9.57	4	< 1	< 5
02005	4	0.7	12	< 0.3	< 1	8	9	22	0.20	2.87	7.9	220	< 1	< 2	< 0.5	0.08	7	38	1	0.5	1.94	2	< 1	< 5
02006	8	0.8	2	0.5	2	9	51	82	0.85	8.47	17.4	< 50	< 1	< 2	< 0.5	0.88	32	83	< 1	1.5	11.1	6	< 1	< 5
02007	< 2	< 0.3	14	< 0.3	2	7	13	57	0.04	3.49	5.2	230	1	< 2	1.2	0.33	8	41	1	0.5	3.60	5	< 1	< 5
02008	< 2	1.8	18	0.8	< 1	13	18	31	0.02	8.30	3.2	700	1	< 2	1.8	1.01	9	31	2	0.7	5.18	5	< 1	< 5
02009	< 2	< 0.3	28	1.0	< 1	10	32	220	0.02	2.87	10.3	270	< 1	< 2	< 0.5	0.21	65	35	2	0.4	5.28	2	< 1	< 5
02010	5	< 0.3	20	0.9	1	8	13	45	0.02	3.09	7.3	300	< 1	< 2	< 0.5	0.82	9	50	1	0.3	8.55	3	< 1	< 5
02011	< 2	< 0.3	12	0.7	2	7	12	55	0.01	3.02	8.5	300	< 1	< 2	1.5	0.23	7	38	2	0.3	3.58	3	< 1	< 5
02012	< 2	< 0.3	41	0.8	1	8	13	84	0.01	3.12	9.6	240	< 1	< 2	< 0.5	0.40	10	42	2	0.4	4.10	2	< 1	< 5
02013	7	< 0.3	26	1.3	< 1	7	23	83	0.02	3.30	8.5	220	< 1	< 2	2.0	0.84	11	50	< 1	0.8	7.13	3	< 1	< 5
02014	< 2	< 0.3	19	0.7	< 1	8	13	87	0.02	3.22	7.5	190	< 1	< 2	1.9	0.27	28	41	< 1	0.4	4.79	2	< 1	< 5
02015	35	< 0.3	23	0.9	1	7	22	373	0.06	3.27	12.1	280	< 1	< 2	2.1	0.43	28	41	< 1	0.8	5.58	2	< 1	< 5
02016	< 2	< 0.3	42	1.3	< 1	13	17	96	0.03	3.38	9.8	280	< 1	< 2	1.9	0.28	41	40	2	0.5	7.08	3	< 1	< 5
02017	< 2	< 0.3	154	0.7	< 1	< 3	268	73	0.42	10.8	143	520	< 1	< 2	< 0.5	4.31	80	473	3	0.7	3.78	2	< 1	< 5

Activation Laboratories Ltd.      Report: A08-2445

Analyte Symbol	K	Mg	Mn	Na	P	Rb	Sb	Sc	Se	Sr	Ta	Ti	Th	U	V	W	Y	Lu	Co	Nd	Sm	Sn	Tb	Yb
Unit Symbol	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Detection Limit	0.01	0.01	1	0.01	0.001	15	0.1	0.1	3	1	0.5	0.01	0.2	0.5	2	1	1	0.5	3	5	0.1	0.01	0.5	0.2
Analysis Method	TD-ICP	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA
02001	1.89	0.28	309	0.85	0.014	86	0.5	4.1	< 3	90	1.4	0.20	10.0	5.9	40	4	8	8.0	17	8	1.5	< 0.01	< 0.5	1.3
02002	2.21	0.27	291	1.55	0.024	75	0.2	3.4	< 3	131	1.0	0.13	7.2	2.7	34	< 1	5	0.1	11	< 5	0.9	< 0.01	< 0.5	0.8
02003	2.27	0.51	564	1.52	0.032	99	0.3	6.6	< 3	140	< 0.5	0.22	7.8	2.8	61	< 1	8	8.7	18	8	1.2	< 0.01	< 0.5	0.8
02004	1.97	1.37	657	2.12	0.034	79	< 0.1	16.5	< 3	205	< 0.5	0.35	5.6	2.5	141	< 1	10	8.1	15	< 5	1.5	< 0.01	< 0.5	1.3
02005	1.94	0.15	119	0.07	0.010	68	0.4	1.7	< 3	20	< 0.5	0.10	5.3	3.3	17	< 1	5	11.5	24	10	1.5	< 0.01	< 0.5	0.7
02006	0.10	3.37	1400	0.31	0.002	< 15	1.0	14.8	< 3	17	< 0.5	0.46	4.4	1.7	100	< 1	21	21.3	48	15	3.7	< 0.01	1.1	3.8
02007	1.55	0.38	537	0.40	0.014	82	1.1	5.2	< 3	53	< 0.5	0.18	8.5	2.7	34	< 1	12	20.8	33	10	1.7	< 0.01	< 0.5	1.1
02008	2.94	0.51	350	2.09	0.041	85	< 0.1	4.9	< 3	203	< 0.5	0.22	9.5	1.8	45	< 1	8	11.2	27	12	1.8	< 0.01	< 0.5	0.5
02009	1.70	0.22	1960	0.37	0.016	50	0.5	3.2	8	41	< 0.5	0.10	4.4	2.7	26	< 1	5	8.8	19	8	1.2	< 0.01	< 0.5	0.7
02010	1.56	0.41	502	0.47	0.025	57	0.5	5.2	< 3	51	< 0.5	0.18	4.4	1.5	54	< 1	5	0.7	15	< 5	1.0	0.00	< 0.5	0.8
02011	1.82	0.23	375	0.36	0.015	76	0.4	3.0	< 3	42	< 0.5	0.13	4.5	1.8	31	< 1	5	7.5	18	8	1.0	< 0.01	< 0.5	0.8
02012	1.81	0.30	500	0.48	0.020	54	0.8	3.7	< 3	50	< 0.5	0.14	6.5	2.4	35	< 1	5	9.5	17	5	1.2	< 0.01	< 0.5	0.9
02013	1.57	0.44	989	0.53	0.025	60	0.4	5.7	< 3	58	< 0.5	0.19	5.0	1.9	49	< 1	9	24.4	23	8	1.8	< 0.01	< 0.5	0.8
02014	1.79	0.28	781	0.39	0.044	82	0.4	3.8	< 3	43	< 0.5	0.16	5.0	1.7	42	< 1	8	8.8	20	8	1.3	< 0.01	< 0.5	0.6
02015	1.61	0.34	1410	0.53	0.030	57	11.2	4.1	< 3	52	< 0.5	0.16	6.2	2.9	41	< 1	6	9.1	22	8	1.6	< 0.01	< 0.5	0.8
02016	1.89	0.28	2370	0.30	0.031	68	0.8	3.5	< 3	39	< 0.5	0.16	6.0	5.0	41	< 1	5	7.6	21	8	1.3	< 0.01	< 0.5	0.8
02017	2.80	1.16	1610	1.33	0.034	115	2.1	47.8	< 3	180	< 0.5	0.47	< 0.2	< 0.5	270	< 1	11	4.0	13	< 5	1.8	< 0.01	< 0.5	1.4



Analyte Symbol	Lu	Mass
Unit Symbol	ppm	g
Detection Limit	0.05	
Analysis Method	INAA	INAA
02001	0.10	1.39
02002	0.09	1.55
02003	0.15	1.53
02004	0.17	1.47
02005	0.10	1.51
02006	0.40	1.89
02007	0.17	1.81
02008	0.08	1.58
02009	0.08	1.35
02010	0.10	1.45
02011	0.08	1.40
02012	0.08	1.35
02013	0.11	1.42
02014	0.08	1.89
02015	0.12	1.82
02016	0.09	1.53
02017	0.08	1.59

Quality Control																									
Analyte Symbol	Au	Ag	Ag	Cu	Cd	Mo	Pb	Ni	Ni	Zn	Zn	S	Al	As	Ba	Be	Bi	Br	Ca	Co	Cr	Cs	Eu	Po	
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	
Detection Limit	2	0.3	5	1	0.3	1	3	1	20	1	50	0.01	0.01	0.5	50	1	2	0.5	0.01	1	2	1	0.2	0.01	
Analysis Method	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	
GXR-1 Meas		20.9		1180	4.0	15	730	43		728		0.25	2.30				1	1370						0.91	
GXR-1 Cert		31.0		1110	3.30	18.0	730	41.0		780		0.257	3.52				1.22	1380						0.980	
DH-1a Meas																									
DH-1a Cert																									
DNC-1 Meas		< 0.3		102		< 1	< 3	242		55		0.08	9.02				< 1	< 2						7.84	
DNC-1 Cert		0.0270		98.0		0.700	5.30	247		68.0		0.0390	0.09				1.00	0.0200						8.08	
GXR-4 Meas		3.7		8450	0.8	315	53	48		75		1.78	8.38				2	27						1.10	
GXR-4 Cert		4.00		8520	0.880	310	52.0	42.0		73.0		1.77	7.20				1.90	19.0						1.01	
GXR-2 Meas		18.4		83	4.7	1	892	22		592		0.03	12.3				2	< 2						0.99	
GXR-2 Cert		17.0		76.0	4.10	2.10	890	21.0		530		0.0313	16.5				1.70	0.090						0.930	
SDC-1 Meas		< 0.3		30	< 0.3	< 1	21	38		95		0.05	7.41				3	< 2						1.01	
SDC-1 Cert		0.0410		30.0	0.0800	0.250	25.0	38.0		103		0.0650	8.34				3.00	2.00						1.00	
SCC-1 Meas		0.4		30	0.4	< 1	28	31		99			7.00				2	< 2						2.01	
SCC-1 Cert		0.134		28.7	0.140	1.37	31.0	27.0		103			7.24				1.84	0.370						1.87	
GXR-8 Meas		0.5		88	< 0.3	< 1	89	27		120		0.01	13.2				1	< 2						0.20	
GXR-8 Cert		1.30		88.0	1.00	2.40	101	27.0		118		0.0180	17.7				1.40	0.290						0.180	
OREAS 13P Meas				2820				2050																	
OREAS 13P Cert				2500				2280																	
DMMAS-105 Meas	242													1610	700					50	113		2.0	6.73	
DMMAS-105 Cert	278													1693	742					48	97		1.1	6.17	
02013 Orig		< 0.3		25	1.4	< 1	8	23		82		0.02	3.20				< 1	< 2						0.84	
02013 Dup		< 0.3		28	1.3	< 1	7	23		94		0.02	3.39				< 1	< 2						0.84	
02017 Orig	< 2	< 0.3	< 5	154	0.7	< 1	< 3	298	< 20	73	< 50	0.42	10.8	143	520		< 1	< 2	< 0.5	4.31	88	473	3	0.7	3.78
02017 Split	< 2	< 0.3	< 5	159	1.0	< 1	< 3	305	< 20	80	< 50	0.45	10.8	142	320		< 1	< 2	< 0.5	4.35	85	483	4	0.8	3.81
Method Blank Method		< 0.3		< 1	< 0.3	< 1	< 3	< 1		< 1		< 0.01	0.02				< 1	< 2						< 0.01	
Blank																									
Method Blank Method		< 0.3		< 1	< 0.3	< 1	< 3	< 1		< 1		< 0.01	< 0.01				< 1	< 2						< 0.01	
Blank																									

Quality Control

Analyte Symbol	Hf	Hg	Ir	K	Mg	Mn	Na	P	Rb	Sb	Sc	Se	Sr	Ta	Tl	Th	U	V	W	Y	Zn	Ce	Nd	Sm	
Unit Symbol	ppm	ppm	ppb	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detection Limit	1	1	5	0.01	0.01	1	0.01	0.001	15	0.1	0.1	3	1	0.5	0.01	0.2	0.5	2	1	1	0.5	3	5	0.1	
Analysis Method	INAA	INAA	INAA	TD-ICP	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	
GXR-1 Meas				0.05	0.22	888		0.000					283					82						30	
GXR-1 Cert				0.0500	0.217	852		0.0850					275					80.0						32.0	
DH-1a Meas																938	2940								
DH-1a Cert																910	2830								
DNC-1 Meas				0.20	5.92	1130		0.028					141		0.31			147						17	
DNC-1 Cert				0.190	6.08	1150		0.0370					145		0.287			148						18.0	
GXR-4 Meas				4.08	1.88	153		0.133					221					89						15	
GXR-4 Cert				4.01	1.98	155		0.120					221					87.0						14.0	
GXR-2 Meas				1.41	0.85	1010		0.088					159					53						18	
GXR-2 Cert				1.37	0.850	1010		0.105					160					52.0						17.0	
SDC-1 Meas				2.34	0.85	851		0.053					158		0.21			42						32	
SDC-1 Cert				2.72	1.02	883		0.0890					183		0.608			102						40.0	
SCC-1 Meas				2.30	1.62	400		0.086					165		0.35			129						20	
SCC-1 Cert				2.30	1.64	410		0.0900					174		0.380			131						26.0	
GXR-6 Meas				1.81	0.82	1030		0.036					41					119						15	
GXR-6 Cert				1.87	0.809	1010		0.0350					35.0					188						14.0	
OREAS 13P Meas																									
OREAS 13P Cert																									
DMMAS-105 Meas							2.85			4.2	17.1					8.1	74.9					42.2	84	29	7.4
DMMAS-105 Cert							2.81			10.6	15.7					7.8	88					37.5	80	10	3.8
02013 Orig				1.57	0.43	884		0.025					58		0.19			48						9	
02013 Dup				1.57	0.44	974		0.025					57		0.19			49						10	
02017 Orig	2	< 1	< 5	2.89	1.18	1810	1.33	0.034	115	2.1	47.8	< 3	160	< 0.5	0.47	< 0.2	< 0.5	270	< 1	11	4.0	13	< 5	1.8	
02017 Spilt	2	< 1	< 5	2.75	1.18	1810	1.38	0.035	158	1.9	48.7	5	161	< 0.5	0.50	< 0.2	< 0.5	288	< 1	11	3.8	13	6	1.7	
Method Blank Method				< 0.01	< 0.01	8		< 0.001					< 1		< 0.01	< 0.2	< 0.5	< 2	< 1					< 1	
Blank																									
Method Blank Method				< 0.01	< 0.01	11		< 0.001					< 1		< 0.01	< 0.2	< 0.5	< 2	< 1					< 1	
Blank																									

**Quality Control**

Analyte Symbol	Sn	Tb	Yb	Li	Mass
Unit Symbol	%	ppm	ppm	ppm	g
Detection Limit	0.01	0.5	0.2	0.05	
Analysis Method	INAA	INAA	INAA	INAA	INAA

GXR-1 Meas					
GXR-1 Cert					
DH-1a Meas					
DH-1a Cert					
DNC-1 Meas					
DNC-1 Cert					
GXR-4 Meas					
GXR-4 Cert					
GXR-2 Meas					
GXR-2 Cert					
SDC-1 Meas					
SDC-1 Cert					
SCO-1 Meas					
SCO-1 Cert					
GXR-8 Meas					
GXR-8 Cert					
OREAS 13P Meas					
OREAS 13P Cert					
DMMAS-105 Meas			4.3	< 0.05	
DMMAS-105 Cert			3.0	0.45	
02013 Orig					
02013 Dup					
02017 Orig	< 0.01	< 0.5	1.4	0.08	1.50
02017 Split	< 0.01	0.8	1.5	0.14	1.66
Method Blank Method					
Blank					
Method Blank Method					
Blank					

Quality Analysis ...



Innovative Technologies

Date Submitted: 30-May-08  
Invoice No.: A08-2788  
Invoice Date: 18-Jun-08  
Your Reference: Elliot Lake PM 96&98

Pele Mountain  
2200 Yonge Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: AI Shefsky

## CERTIFICATE OF ANALYSIS

37 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1H INAA(INAAGEO)/Total Digestion ICP(TOTAL)

REPORT A08-2788

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### Notes:

Elements which exceed the upper limits should be analyzed by assay techniques. Some elements are reported by multiple techniques. These are indicated by MULT.

CERTIFIED BY :

A handwritten signature in black ink, appearing to be "Elitsa Hrischeva". The signature is written in a cursive style and is positioned above a horizontal line.

Elitsa Hrischeva, Ph.D.  
Administration

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or  
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Activation Laboratories Ltd.

Report: A08-2788

Analyte Symbol	Au	Ag	Cu	Cd	Mo	Pb	Ni	Zn	S	Al	As	Ba	Be	Bi	Br	Ca	Co	Cr	Cs	Eu	Fo	Hf	Hg	Ir
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb
Detection Limit	2	0.3	1	0.3	1	3	1	1	0.01	0.01	0.5	50	1	2	0.5	0.01	1	2	1	0.2	0.01	1	1	5
Analysis Method	INAA	MULT INAA / TD- ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	MULT INAA / TD- ICP	MULT INAA / TD- ICP	TD-ICP	TD-ICP	INAA	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
01004	<2	<0.3	5	<0.3	<1	4	30	28	0.13	4.05	2.8	<50	<1	<2	3.1	0.48	39	60	<1	0.3	4.81	2	<1	<5
01005	<2	<0.3	7	<0.3	<1	4	34	27	0.28	5.10	3.0	<50	1	<2	4.7	0.50	37	54	<1	<0.2	4.81	3	<1	<5
01000	<2	<0.3	4	<0.3	<1	5	7	12	0.19	0.55	1.2	<50	<1	<2	8.8	0.07	29	29	<1	<0.2	1.33	<1	<1	<5
01007	<2	<0.3	6	<0.3	<1	5	14	12	0.30	1.44	3.2	<50	<1	<2	7.0	0.19	35	39	<1	<0.2	1.78	<1	<1	<5
01008	<2	<0.3	3	<0.3	<1	5	42	32	0.04	7.10	2.7	<50	1	<2	1.0	0.73	37	79	<1	<0.2	6.84	4	<1	<5
01009	<2	<0.3	3	<0.3	<1	<3	45	42	0.44	8.94	11.5	<50	1	<2	1.8	0.45	122	59	1	<0.2	6.37	3	<1	<5
01010	6	<0.3	18	<0.3	<1	4	52	9	2.31	0.72	29.0	<50	<1	<2	4.2	0.24	245	24	<1	<0.2	2.86	<1	<1	<5
01011	<2	<0.3	4	<0.3	<1	4	19	5	0.80	0.23	3.4	<50	<1	<2	6.8	0.31	64	31	<1	<0.2	1.08	<1	<1	<5
01012	<2	<0.3	8	<0.3	<1	8	10	7	0.80	0.20	0.8	<50	<1	<2	0.6	0.09	94	28	<1	<0.2	1.19	<1	<1	<5
01013	<2	<0.3	4	<0.3	1	5	9	8	0.38	0.49	2.4	<50	2	<2	7.2	0.09	60	25	<1	<0.2	1.18	<1	<1	<5
01014	<2	<0.3	5	<0.3	<1	<3	44	38	0.18	8.81	3.4	<50	1	<2	<0.5	0.62	55	80	<1	0.6	6.31	4	<1	<5
01015	<2	<0.3	9	<0.3	<1	4	37	28	0.51	4.06	3.8	<50	<1	<2	2.7	0.37	102	130	<1	0.4	4.86	3	<1	<5
01016	5	<0.3	8	<0.3	<1	<3	8	9	0.12	0.09	2.4	<50	<1	<2	8.0	0.27	24	20	<1	<0.2	1.08	<1	<1	<5
01017	<2	<0.3	8	<0.3	<1	<3	10	21	0.26	2.18	4.6	<50	<1	<2	3.7	0.80	57	44	<1	0.2	3.11	1	<1	<5
01018	7	<0.3	8	<0.3	<1	<3	44	40	0.25	11.5	3.1	<50	1	<2	1.5	0.72	59	109	<1	0.5	8.38	3	<1	<5
01019	<2	<0.3	8	<0.3	<1	5	20	20	0.37	2.06	2.5	<50	<1	<2	4.0	0.38	93	25	<1	0.2	2.43	<1	<1	<5
01020	<2	<0.3	17	<0.3	<1	4	33	6	0.78	3.57	13.6	80	<1	<2	2.4	4.39	102	45	1	<0.2	2.19	2	<1	<5
01021	<2	<0.3	9	<0.3	<1	7	8	55	0.19	0.60	4.1	<50	<1	<2	7.5	0.93	30	21	<1	<0.2	0.81	<1	<1	<5
01022	<2	<0.3	17	<0.3	<1	4	24	33	0.72	3.58	12.9	<50	<1	<2	3.3	0.77	143	39	<1	<0.2	3.48	1	<1	<5
01023	<2	<0.3	12	<0.3	<1	8	14	31	0.34	0.97	4.8	<50	<1	<2	5.0	1.02	47	29	<1	<0.2	1.05	<1	<1	<5
01024	<2	<0.3	10	<0.3	<1	6	15	18	0.34	1.84	3.5	<50	<1	<2	4.4	1.90	82	39	<1	<0.2	1.01	<1	<1	<5
01025	<2	0.4	18	<0.3	1	3	27	7	0.70	5.03	12.9	<50	1	<2	2.2	5.82	138	40	<1	0.5	1.65	3	<1	<5
01026	<2	<0.3	17	<0.3	<1	11	23	84	0.04	7.19	3.2	560	1	<2	1.3	3.72	18	37	<1	1.2	5.85	4	<1	<5
01027	12	0.5	888	<0.3	<1	11	287	39	2.38	2.77	<0.5	<50	<1	<2	1.8	2.20	151	19	<1	0.8	8.68	<1	<1	<5
01028	<2	<0.3	19	<0.3	<1	8	29	57	0.03	3.44	2.3	410	<1	<2	<0.5	2.81	18	27	3	1.0	5.03	4	<1	<5
01031	<2	0.7	48	0.8	<1	128	3	202	0.18	5.10	<0.5	380	<1	<2	<0.5	3.86	45	<2	<1	1.2	11.7	3	<1	<5
01032	<2	0.3	19	<0.3	2	80	18	74	0.40	4.07	8.2	230	1	<2	<0.5	0.25	9	24	1	0.5	0.84	3	<1	<5
01033	<2	0.5	51	<0.3	<1	17	<1	84	0.19	5.33	<0.5	<50	<1	<2	<0.5	4.19	54	8	2	1.2	12.9	3	<1	<5
01034	9	<0.3	18	<0.3	2	77	16	89	0.39	4.58	4.4	750	1	<2	<0.5	0.25	8	19	<1	<0.2	0.78	4	<1	<5
02018	<2	<0.3	42	0.6	<1	12	39	139	0.37	7.98	13.0	490	<1	<2	<0.5	4.97	22	58	<1	1.2	5.00	4	<1	<5
02019	19	0.7	129	2.3	6	29	49	295	10.2	4.42	10.1	440	<1	<2	<0.5	3.07	30	48	19	0.8	18.5	3	<1	<5
02020	<2	<0.3	38	<0.3	<1	7	53	113	0.50	7.19	4.3	300	<1	<2	<0.5	4.11	22	72	1	1.2	5.18	4	<1	<5
02021	<2	0.5	45	0.5	8	30	50	173	1.21	7.88	7.2	830	<1	<2	<0.5	3.24	22	72	4	1.4	5.09	4	<1	<5
02022	<2	<0.3	29	1.3	<1	4	33	230	0.20	5.28	83.8	650	<1	<2	<0.5	2.98	17	83	<1	1.2	3.27	4	<1	<5
02023	4	<0.3	143	<0.3	3	5	39	124	0.59	5.72	348	920	2	<2	<0.5	1.00	18	38	2	1.1	2.98	4	<1	<5
02024	<2	0.4	63	0.7	<1	35	55	139	0.84	8.82	9.4	570	1	<2	<0.5	3.56	29	85	3	1.2	5.78	4	<1	<5
02025	6	<0.3	64	<0.3	<1	9	214	70	0.18	0.13	8.8	1500	1	<2	<0.5	5.23	37	589	6	2.4	5.42	4	<1	<5

Activation Laboratories Ltd.

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Analyte Symbol	K	Mg	Mn	Na	P	Rb	Sb	Sc	Se	Sr	Ta	Ti	Th	U	V	W	Y	La	Co	Nd	Sm	Sn	Tb	Yb
Unit Symbol	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Detection Limit	0.01	0.01	1	0.01	0.001	15	0.1	0.1	3	1	0.5	0.01	0.2	0.5	2	1	1	0.5	3	5	0.1	0.01	0.5	0.2
Analysis Method	TD-ICP	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA
01904	0.07	2.44	235	1.52	0.042	< 15	0.4	10.8	< 3	32	< 0.5	0.30	2.2	< 0.5	81	< 1	10	7.5	20	< 5	1.9	< 0.01	0.5	1.3
01905	0.10	2.51	230	1.43	0.043	< 15	0.4	12.2	< 3	37	< 0.5	0.37	2.3	1.3	95	< 1	13	12.5	32	17	2.8	< 0.01	< 0.5	1.3
01008	0.04	0.42	83	0.08	0.003	< 15	0.4	0.8	< 3	13	< 0.5	0.03	< 0.2	< 0.5	12	< 1	4	0.8	< 3	< 5	0.4	< 0.01	< 0.5	0.4
01907	0.05	0.72	94	0.44	0.010	< 15	0.5	4.8	< 3	17	< 0.5	0.11	0.7	1.1	29	< 1	5	2.1	5	< 5	0.8	< 0.01	< 0.5	0.4
01908	0.08	3.80	207	2.53	0.065	< 15	0.4	18.4	< 3	81	< 0.5	0.47	3.7	< 0.5	119	< 1	14	13.7	38	< 5	3.1	< 0.01	< 0.5	1.7
01909	0.11	3.48	350	2.30	0.059	< 15	0.8	15.1	< 3	33	< 0.5	0.50	3.1	< 0.5	130	< 1	17	4.4	11	< 5	1.4	< 0.01	< 0.5	2.4
01910	0.08	0.25	72	0.22	0.004	< 15	0.5	2.4	< 3	9	< 0.5	0.03	< 0.2	< 0.5	10	< 1	7	0.9	< 3	< 5	0.4	< 0.01	< 0.5	0.8
01911	0.05	0.08	72	0.04	< 0.001	< 15	0.4	4.0	< 3	10	< 0.5	< 0.01	< 0.2	< 0.5	8	< 1	3	0.8	< 3	< 5	0.2	< 0.01	< 0.5	0.3
01912	0.04	0.09	54	0.04	0.001	< 15	0.8	2.2	< 3	9	< 0.5	< 0.01	< 0.2	< 0.5	4	< 1	3	0.8	< 3	< 5	0.2	< 0.01	< 0.5	< 0.2
01913	0.04	0.21	88	0.17	0.030	< 15	0.5	50.4	< 3	10	< 0.5	0.48	< 0.2	< 0.5	20	< 1	21	1.2	7	< 5	0.8	< 0.01	0.7	4.1
01914	0.13	3.41	335	2.39	0.059	02	0.3	17.3	< 3	37	< 0.5	0.28	3.4	< 0.5	83	< 1	14	13.7	31	14	3.0	< 0.01	< 0.5	1.7
01915	0.08	2.46	257	1.39	0.049	< 15	0.7	11.8	< 3	20	< 0.5	0.34	2.2	< 0.5	90	< 1	12	0.0	17	14	1.7	< 0.01	< 0.5	1.4
01916	0.08	0.30	70	0.16	0.005	< 15	0.5	1.9	< 3	11	< 0.5	0.04	0.4	< 0.5	13	< 1	3	1.2	< 3	< 5	0.3	< 0.01	< 0.5	0.2
01917	0.17	1.24	203	0.04	0.024	33	0.4	7.5	< 3	18	< 0.5	0.19	1.0	< 0.5	53	< 1	7	3.9	10	< 5	1.1	< 0.01	< 0.5	1.0
01918	0.20	4.29	351	2.00	0.087	< 15	0.3	15.0	< 3	40	< 0.5	0.50	3.0	1.3	125	< 1	20	5.4	15	< 5	1.8	< 0.01	< 0.5	1.0
01919	0.08	1.13	153	0.47	0.016	< 15	0.3	4.8	< 3	13	< 0.5	0.15	0.8	< 0.5	40	< 1	6	2.8	6	< 5	0.7	< 0.01	< 0.5	0.6
01920	1.18	0.47	338	0.09	0.032	33	0.7	8.8	< 3	28	< 0.5	0.20	1.8	1.0	86	< 1	18	6.7	18	7	1.9	< 0.01	< 0.5	1.4
01921	0.14	0.15	120	0.17	0.005	22	0.3	2.8	< 3	13	< 0.5	0.03	< 0.2	< 0.5	10	< 1	3	1.8	< 3	< 5	0.4	< 0.01	< 0.5	0.3
01922	0.15	1.42	218	1.23	0.032	< 15	0.7	8.8	< 3	18	< 0.5	0.25	1.8	< 0.5	88	< 1	20	2.5	9	< 5	1.3	< 0.01	< 0.5	2.2
01923	0.10	0.25	115	0.25	0.010	< 15	0.7	2.0	< 3	12	< 0.5	0.07	0.8	< 0.5	18	< 1	8	4.2	11	< 5	0.8	< 0.01	< 0.5	0.4
01924	0.44	0.18	182	0.54	0.030	< 15	0.6	3.1	< 3	18	1.0	0.15	1.3	< 0.5	29	< 1	6	2.5	4	< 5	0.8	< 0.01	< 0.5	0.3
01925	1.38	0.49	408	1.43	0.044	< 15	0.7	9.5	< 3	42	< 0.5	0.38	2.2	1.4	81	< 1	14	5.8	10	< 5	1.8	< 0.01	< 0.5	1.4
01928	1.79	1.47	828	2.08	0.049	53	0.4	16.8	< 3	274	< 0.5	0.39	9.1	3.1	100	< 1	25	25.5	82	24	5.0	< 0.01	< 0.5	2.5
01927	0.68	0.48	387	0.58	0.053	< 15	< 0.1	5.1	< 3	114	< 0.5	0.21	2.8	1.8	58	< 1	10	9.8	21	12	1.7	< 0.01	< 0.5	1.0
01928	1.91	1.00	847	1.88	0.041	44	0.4	14.4	< 3	244	< 0.5	0.41	9.1	< 0.5	108	< 1	12	24.8	83	23	4.8	< 0.01	1.0	2.0
01931	1.11	1.80	1890	2.07	0.045	88	1.7	40.3	< 3	120	< 0.5	0.86	3.8	< 0.5	222	< 1	28	12.7	36	13	4.0	< 0.01	< 0.5	3.2
01932	2.31	0.18	83	0.09	0.019	88	1.5	2.6	< 3	17	< 0.5	0.13	75.2	131	17	< 1	17	108	201	59	9.4	< 0.01	< 0.5	1.4
01933	1.25	1.59	1830	1.72	0.034	< 15	1.7	43.2	< 3	119	1.8	0.49	3.8	< 0.5	240	< 1	27	12.5	33	19	3.8	< 0.01	< 0.5	2.9
01934	2.25	0.18	58	0.09	0.019	94	1.5	2.5	< 3	17	2.5	0.13	74.5	123	18	4	18	102	208	83	9.4	< 0.01	< 0.5	1.4
02018	1.20	1.99	879	1.50	0.089	48	0.9	16.8	< 3	278	< 0.5	0.37	3.9	< 0.5	88	< 1	20	18.8	48	24	4.1	< 0.01	0.6	1.9
02019	1.89	1.13	1140	1.32	0.077	144	1.7	7.9	< 3	144	1.7	0.33	2.7	< 0.5	80	< 1	14	15.8	42	22	3.2	< 0.01	< 0.5	1.4
02020	0.72	1.80	1010	2.51	0.058	< 15	0.9	14.4	4	270	< 0.5	0.42	3.4	< 0.5	113	< 1	17	18.1	46	21	3.8	< 0.01	< 0.5	1.5
02021	1.32	1.81	750	2.69	0.088	48	0.9	13.7	< 3	384	< 0.5	0.54	3.2	< 0.5	121	< 1	17	18.0	42	23	3.8	< 0.01	< 0.5	1.7
02022	1.84	1.33	444	1.74	0.065	48	0.8	0.4	< 3	221	< 0.5	0.28	3.3	< 0.5	81	< 1	6	20.6	48	18	3.6	< 0.01	< 0.5	0.9
02023	2.42	1.25	250	1.35	0.059	84	0.4	8.4	< 3	119	< 0.5	0.27	4.8	< 0.5	59	< 1	10	21.0	48	20	3.7	< 0.01	< 0.5	1.2
02024	1.29	1.68	832	2.00	0.054	< 15	0.7	17.3	< 3	272	2.0	0.41	4.0	1.8	128	< 1	17	18.9	45	27	3.8	< 0.01	< 0.5	1.8
02025	2.70	5.07	811	1.08	0.108	108	0.4	20.2	< 3	833	< 0.5	0.44	5.5	2.3	108	< 1	15	35.6	84	48	6.0	< 0.01	0.7	1.4

Analyte Symbol	Lu	Mass
Unit Symbol	ppm	g
Detection Limit	0.05	
Analysis Method	INAA	INAA
01904	0.24	1.24
01905	0.27	1.57
01906	0.08	1.53
01907	0.08	1.48
01908	0.35	1.58
01909	0.42	1.44
01910	0.07	1.70
01911	0.08	1.57
01912	0.08	1.86
01913	0.78	1.70
01914	0.34	1.54
01915	0.28	1.49
01916	< 0.05	1.83
01917	0.14	1.80
01918	0.28	1.42
01919	0.10	1.54
01920	0.25	1.28
01921	0.05	1.04
01922	0.35	1.58
01923	0.09	1.81
01924	0.08	1.45
01925	0.29	1.38
01926	0.45	1.83
01927	0.19	1.70
01928	0.40	1.80
01931	0.64	1.88
01932	< 0.05	1.41
01933	0.58	1.91
01934	< 0.05	1.57
02018	0.34	1.88
02019	0.30	1.72
02020	0.32	1.82
02021	0.30	1.58
02022	0.20	1.48
02023	0.20	1.43
02024	0.33	1.58
02025	0.28	1.79



Quality Control																								
Analyte Symbol	Au	Ag	Ag	Cu	Cd	Mo	Pb	Ni	Ni	Zn	Zn	S	Al	As	Ba	Bo	Bi	Br	Cn	Co	Cr	Cs	Eu	Fo
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Detection Limit	2	0.3	5	1	0.3	1	3	1	20	1	50	0.01	0.01	0.5	50	1	2	0.5	0.01	1	2	1	0.2	0.01
Analysis Method	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA
GXR-1 Meas		31.2		1170	3.3	15	748	41		740		0.24	2.30			1	1380		0.04					
GXR-1 Cert		31.0		1110	3.3	18	730	41		780		0.26	3.52			1	1380		0.06					
DH-1a Meas																								
DH-1a Cert																								
DNC-1 Meas		< 0.3		95		< 1	7	248		58		0.06	9.25			< 1	< 2		7.50					
DNC-1 Cert		0.0		90		1	6	247		68		0.04	9.69			1	0		8.09					
GXR-4 Meas		3.5		6480	0.4	314	40	42		73		1.79	8.79			2	22		1.10					
GXR-4 Cert		4.0		6520	0.8	310	52	42		73		1.77	7.20			2	18		1.01					
GXR-2 Meas		17.3		81	4.3	1	675	20		530		0.03	12.2			2	< 2		0.98					
GXR-2 Cert		17.0		70	4.1	2	690	21		530		0.03	16.5			2	1		0.83					
SDC-1 Meas		< 0.3		29	< 0.3	< 1	25	37		100		0.06	7.93			3	< 2		1.13					
SDC-1 Cert		0.0		30	0.1	0	25	38		103		0.06	8.34			3	3		1.00					
SCO-1 Meas		< 0.3		30	< 0.3	1	31	30		107			7.78			2	< 2		2.22					
SCO-1 Cert		0.1		29	0.1	1	31	27		103			7.24			2	0		1.87					
GXR-6 Meas		0.5		70	0.4	< 1	98	28		132		0.02	12.9			1	< 2		0.18					
GXR-6 Cert		1.3		88	1.0	2	101	27		118		0.02	17.7			1	0		0.18					
OREAS 13P Meas				2530				2080																
OREAS 13P Cert				2500				2291																
DMMAS-105 Meas	288													1770	880				50	100		1.0	0.57	
DMMAS-105 Cert	276													1693	742				48	97		1.1	6.17	
01916 Orig		< 0.3		8	< 0.3	< 1	< 3	9		9		0.13	0.70			< 1	< 2		0.27					
01916 Dup		< 0.3		5	< 0.3	< 1	3	8		10		0.12	0.68			< 1	< 2		0.27					
01932 Orig		0.4		18	1.2	2	81	17		74		0.40	4.88			1	< 2		0.28					
01932 Dup		0.3		19	< 0.3	2	80	16		73		0.40	4.06			1	< 2		0.24					
02018 Orig	< 2	< 0.3	< 5	42	0.8	< 1	12	36	< 20	139	130	0.37	7.96	13.0	490	< 1	< 2	< 0.5	4.97	22	58	< 1	1.2	5.00
02018 Spill	< 2	< 0.3	< 5	42	0.8	< 1	10	36	< 20	133	170	0.37	7.79	13.7	500	< 1	< 2	< 0.5	4.73	27	58	1	1.2	5.48
02025 Orig	6	< 0.3	< 5	64	< 0.3	< 1	9	214	< 20	70	< 50	0.16	6.13	8.6	1500	1	< 2	< 0.5	5.23	37	589	6	2.4	5.42
02025 Spill	< 2	< 0.3	< 5	61	< 0.3	< 1	5	220	< 20	89	90	0.17	6.37	10.1	1800	1	< 2	< 0.5	5.38	38	617	6	1.9	5.71
Method Blank Method Blank		< 0.3		< 1	< 0.3	< 1	< 3	< 1		< 1		< 0.01	0.02			< 1	< 2		< 0.01					
Method Blank Method Blank		0.3		< 1	< 0.3	< 1	< 3	< 1		1		< 0.01	< 0.01			< 1	< 2		< 0.01					
Method Blank Method Blank		< 0.3		< 1	< 0.3	< 1	< 3	< 1		2		< 0.01	< 0.01			< 1	< 2		< 0.01					
Method Blank Method Blank		< 0.3		< 1	< 0.3	< 1	< 3	< 1		< 1		< 0.01	< 0.01			< 1	< 2		< 0.01					

Quality Control

Analyte Symbol	Hf	Hg	Ir	K	Mg	Mn	Na	P	Rb	Sb	Sc	Se	Sr	Ta	Tl	Th	U	V	W	Y	La	Co	Nd	Sm
Unit Symbol	ppm	ppm	ppb	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	5	0.01	0.01	1	0.01	0.001	15	0.1	0.1	3	1	0.5	0.01	0.2	0.5	2	1	1	0.5	3	5	0.1
Analysis Method	INAA	INAA	INAA	TD-ICP	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA
GXR-1 Meas				0.04	0.20	919		0.031					206					86		30				
GXR-1 Cert				0.05	0.22	852		0.035					275					80		32				
DH-1a Meas																012	2940							
DH-1a Cert																910	2828							
DNC-1 Meas				0.19	5.50	1040		0.028					137		0.28			138		17				
DNC-1 Cert				0.19	6.08	1754		0.037					145		0.29			148		18				
GXR-4 Meas				3.19	1.82	751		0.134					211					87		15				
GXR-4 Cert				4.01	1.88	155		0.120					221					87		14				
GXR-2 Meas				1.34	0.81	995		0.087					154					52		18				
GXR-2 Cert				1.37	0.85	1007		0.105					160					52		17				
SDC-1 Meas				2.84	0.97	897		0.056					173		0.16			41		38				
SDC-1 Cert				2.72	1.02	883		0.059					163		0.01			102		40				
SCO-1 Meas				2.41	1.88	419		0.093					176		0.41			141		23				
SCO-1 Cert				2.30	1.84	410		0.090					174		0.38			131		28				
GXR-8 Meas				1.80	0.59	1060		0.038					40					97		15				
GXR-8 Cert				1.87	0.81	1007		0.035					35					188		14				
OREAS 13P Meas																								
OREAS 13P Cert																								
DMMAS-105 Meas							2.80			10.3	16.3					7.7	88.3				35.7	59	< 5	5.1
DMMAS-105 Cert							2.81			10.8	15.7					7.8	86.0				37.5	60	10	3.9
01918 Orig				0.08	0.30	77		0.005					11		0.04			12		3				
01918 Dup				0.08	0.30	75		0.005					11		0.04			13		3				
01932 Orig				2.38	0.17	88		0.019					18		0.13			18		16				
01932 Dup				2.24	0.16	59		0.018					17		0.12			17		17				
02018 Orig	4	< 1	< 5	1.20	1.89	879	1.50	0.069	48	0.9	16.8	< 3	278	< 0.5	0.37	3.8	< 0.5	88	< 1	20	18.8	48	24	4.1
02018 Split	4	< 1	< 5	1.13	1.89	834	1.68	0.082	< 15	0.9	18.7	< 3	285	< 0.5	0.38	3.5	< 0.5	89	< 1	19	21.2	49	27	4.0
02025 Orig	4	< 1	< 5	2.70	5.07	811	1.08	0.108	108	0.4	20.2	< 3	833	< 0.5	0.44	5.5	2.3	100	< 1	15	35.6	84	48	8.8
02025 Split	4	< 1	< 5	2.78	5.28	848	1.08	0.118	89	0.3	20.2	< 3	853	1.4	0.81	5.8	2.2	135	< 1	18	37.4	90	45	8.8
Method Blank Method Blank				< 0.01	< 0.01	13		< 0.001					< 1		< 0.01			< 2		< 1				
Method Blank Method Blank				< 0.01	< 0.01	3		0.006					< 1		0.03			< 2		< 1				
Method Blank Method Blank				< 0.01	< 0.01	17		< 0.001					< 1		< 0.01			< 2		< 1				
Method Blank Method Blank				< 0.01	< 0.01	2		< 0.001					< 1		< 0.01			< 2		< 1				

**Quality Control**

Analyte Symbol	Sn	Tb	Yb	Lu	Mass
Unit Symbol	%	ppm	ppm	ppm	g
Detection Limit	0.01	0.5	0.2	0.05	
Analysis Method	INAA	INAA	INAA	INAA	INAA

GXR-1 Meas					
GXR-1 Cert					
DH-1a Meas					
DH-1a Cert					
DNC-1 Meas					
DNC-1 Cert					
GXR-4 Meas					
GXR-4 Cert					
GXR-2 Meas					
GXR-2 Cert					
SDC-1 Meas					
SDC-1 Cert					
SCO-1 Meas					
SCO-1 Cert					
GXR-8 Meas					
GXR-8 Cert					
OREAS 13P Meas					
OREAS 13P Cert					
DMMAS-105 Meas			3.5	0.63	
DMMAS-105 Cert			3.0	0.45	
01918 Orig					
01918 Dup					
01932 Orig					
01932 Dup					
02018 Orig	< 0.01	0.6	1.9	0.34	1.68
02018 Split	< 0.01	< 0.5	2.2	0.30	1.69
02025 Orig	< 0.01	0.7	1.4	0.29	1.79
02025 Split	< 0.01	< 0.5	1.4	0.24	1.75
Method Blank Method					
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Method Blank Method					
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Method Blank Method					
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Method Blank Method					
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Quality Analysis ...



Innovative Technologies

Date Submitted: 09-Jun-08  
Invoice No.: A08-3044  
Invoice Date: 26-Jun-08  
Your Reference: Elliot Lake

Pele Mountain  
2200 Yonge Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Al Shefsky

## CERTIFICATE OF ANALYSIS

107 Rock samples were submitted for analysis.

The following analytical packages were requested: Code 1H INAA(INAAGEO)/Total Digestion ICP(TOTAL)  
Code 5D-U-Total DNC

REPORT A08-3044

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

### Notes:

Elements which exceed the upper limits should be analyzed by assay techniques. Some elements are reported by multiple techniques. These are indicated by MULT.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Elitsa Hrischeva".

Elitsa Hrischeva, Ph.D.  
Quality Control

ACTIVATION LABORATORIES LTD.

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Activation Laboratories Ltd. Report: A08-3044

Analyte Symbol	Au	Ag	Cu	Cd	Mo	Pb	Ni	Zn	S	Al	As	Ba	Ba	Bi	Br	Ca	Co	Cr	Cs	Eu	Fo	Hf	Hg	Ir
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb
Detection Limit	2	0.3	1	0.3	1	3	1	1	0.01	0.01	0.5	50	1	2	0.5	0.01	1	2	1	0.2	0.01	1	1	5
Analysis Method	INAA	MULT INAA / TD- ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	MULT INAA / TD- ICP	MULT INAA / TD- ICP	TD-ICP	TD-ICP	INAA	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA

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Activation Laboratories Ltd.

Report: A08-3044

Analyte Symbol	Au	Ag	Cu	Cd	Mo	Pb	Ni	Zn	S	Al	As	Ba	Ba	Bi	Br	Ca	Co	Cr	Cs	Eu	Po	Hf	Hg	Ir
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb
Detection Limit	2	0.3	1	0.3	1	3	1	1	0.01	0.01	0.5	50	1	2	0.5	0.01	1	2	1	0.2	0.01	1	1	5
Analysis Method	INAA	MULT INAA / TD- ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	MULT INAA / TD- ICP	MULT INAA / TD- ICP	TD-ICP	TD-ICP	INAA	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA

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02078	246	4.3	1950	8.3	83	283	508	1400	1.12	4.81	11.4	340	11	15	< 0.5	2.71	79	87	3	1.3	6.48	2	< 1	< 5
02079	92	< 0.3	202	0.9	< 1	6	54	108	0.74	8.08	2.5	390	< 1	< 2	< 0.5	4.90	24	89	4	1.0	7.75	3	< 1	< 5
02080	< 2	< 0.3	241	0.8	< 1	4	54	100	2.47	7.31	6.1	< 50	< 1	< 2	< 0.5	4.14	53	82	2	1.0	10.2	3	< 1	< 5
02081	< 2	< 0.3	226	0.8	< 1	5	54	107	2.12	7.57	1.5	390	< 1	< 2	< 0.5	4.32	45	68	4	0.9	9.37	3	< 1	< 5
02082	< 2	< 0.3	180	0.8	< 1	4	53	99	1.79	7.64	2.8	440	< 1	< 2	< 0.5	4.99	42	72	3	1.3	9.00	2	< 1	< 5
02083	< 2	< 0.3	108	0.8	< 1	< 3	80	101	0.32	7.94	3.1	< 50	< 1	< 2	< 0.5	5.00	29	78	5	1.2	7.78	2	< 1	< 5
02084	18	< 0.3	145	0.7	< 1	6	81	92	0.37	8.19	11.4	450	< 1	< 2	< 0.5	6.31	40	77	5	1.1	7.50	3	< 1	< 5
02085	< 2	< 0.3	144	0.8	< 1	< 3	59	107	0.64	8.28	2.1	< 50	< 1	< 2	< 0.5	4.92	29	77	5	1.0	7.73	2	< 1	< 5
02086	< 2	< 0.3	385	0.7	< 1	6	80	92	1.33	6.70	5.0	490	< 1	< 2	< 0.5	5.59	38	88	4	1.0	8.72	2	< 1	< 5

Activation Laboratories Ltd.

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Analyte Symbol	Au	Ag	Cu	Cd	Mo	Pb	Ni	Zn	S	Al	As	Ba	Bo	Bi	Br	Ca	Co	Cr	Cs	Eu	Fe	Hf	Hg	Ir
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb
Detection Limit	2	0.3	1	0.3	1	3	1	1	0.01	0.01	0.5	50	1	2	0.5	0.01	1	2	1	0.2	0.01	1	1	5
Analysis Method	INAA	MULT INAA / TD- ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	MULT INAA / TD- ICP	MULT INAA / TD- ICP	TD-ICP	TD-ICP	INAA	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
02087	< 2	< 0.3	101	0.7	< 1	< 3	53	100	0.45	9.39	2.9	440	< 1	< 2	< 0.5	5.45	32	77	5	1.0	8.58	2	< 1	< 5
02088	< 2	0.4	54	1.5	< 1	106	5	285	0.19	5.33	3.1	350	< 1	< 2	3.5	3.85	54	< 2	3	1.1	12.3	2	< 1	< 5
02089	< 2	0.4	22	0.3	3	83	10	78	0.40	4.85	5.2	< 50	1	< 2	< 0.5	0.29	8	35	4	< 0.2	0.81	3	< 1	< 5
02090																								
02091																								

Activation Laboratories Ltd. Report: A08-3044

Analyte Symbol	K	Mg	Mn	Nu	P	Rb	Sb	Sc	Se	Sr	Ta	Ti	Th	U	V	W	Y	Lu	Co	Nd	Sm	Sn	Tb	Yb
Unit Symbol	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Detection Limit	0.01	0.01	1	0.01	0.001	15	0.1	0.1	3	1	0.5	0.01	0.2	0.5	2	1	1	0.5	3	5	0.1	0.01	0.5	0.2
Analysis Method	TD-ICP	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA

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Activation Laboratories Ltd. Report: A08-3044

Analyte Symbol	K	Mg	Mn	Na	P	Rb	Sb	Sc	Se	Sr	Ta	Ti	Th	U	V	W	Y	La	Co	Nd	Sm	Sn	Tb	Yb
Unit Symbol	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Detection Limit	0.01	0.01	1	0.01	0.001	15	0.1	0.1	3	1	0.5	0.01	0.2	0.5	2	1	1	0.5	3	5	0.1	0.01	0.5	0.2
Analysis Method	TD-ICP	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA

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02086																								
02087																								
02088																								
02078	1.49	1.25	1030	2.13	0.088	< 15	1.4	32.4	< 3	208	1.3	0.32	2.9	< 0.5	108	< 1	20	17.4	38	10	3.3	< 0.01	< 0.5	3.1
02079	1.02	3.14	1300	2.82	0.058	< 15	1.0	31.8	< 3	208	< 0.5	0.48	3.1	< 0.5	196	< 1	27	15.8	31	8	3.2	0.09	< 0.5	3.1
02080	0.78	3.33	1320	2.80	0.055	< 15	1.3	30.8	< 3	143	< 0.5	0.48	2.8	< 0.5	231	< 1	24	13.7	30	11	2.8	< 0.01	< 0.5	2.9
02081	1.32	3.31	1250	2.23	0.055	74	1.0	30.4	< 3	154	< 0.5	0.48	3.1	< 0.5	240	< 1	24	12.8	28	8	2.9	< 0.01	< 0.5	2.8
02082	1.47	3.03	1180	2.28	0.054	83	1.1	30.8	< 3	178	< 0.5	0.42	2.8	1.7	224	< 1	28	14.0	29	10	2.9	< 0.01	< 0.5	2.7
02083	1.63	3.07	1250	2.04	0.058	77	1.1	33.1	< 3	189	< 0.5	0.53	2.9	1.9	242	< 1	28	15.0	31	11	3.3	< 0.01	< 0.5	3.2
02084	1.60	2.91	1180	1.64	0.057	< 15	1.1	31.2	< 3	214	< 0.5	0.53	2.8	< 0.5	236	< 1	27	13.4	29	10	3.0	< 0.01	< 0.5	2.9
02085	1.83	3.27	1250	1.01	0.060	77	1.0	31.8	< 3	188	< 0.5	0.75	3.1	< 0.5	310	< 1	29	13.7	29	10	3.1	< 0.01	< 0.5	2.9
02086	1.24	3.01	1200	1.80	0.058	59	1.0	30.8	< 3	193	< 0.5	0.58	3.0	< 0.5	264	< 1	24	14.1	28	15	2.9	< 0.01	< 0.5	2.8
02087	1.76	3.34	1230	1.89	0.063	79	1.0	32.0	< 3	188	< 0.5	0.72	3.7	< 0.5	289	< 1	30	14.7	30	15	3.0	< 0.01	< 0.5	3.0
02088	1.31	1.81	1860	1.89	0.035	48	1.3	38.3	< 3	114	< 0.5	0.33	3.4	2.7	207	< 1	27	13.4	28	10	2.7	< 0.01	< 0.5	2.9

Analyte Symbol	K	Mg	Mn	Na	P	Rb	Sb	Sc	Se	Sr	Ta	Tl	Th	U	V	W	Y	La	Co	Nd	Sm	Sn	Tb	Yb
Unit Symbol	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Detection Limit	0.01	0.01	1	0.01	0.001	15	0.1	0.1	3	1	0.5	0.01	0.2	0.5	2	1	1	0.5	3	5	0.1	0.01	0.5	0.2
Analysis Method	TD-ICP	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA
02089	2.20	0.18	95	0.11	0.018	70	2.5	3.0	< 3	10	4.3	0.13	84.7	140	20	< 1	17	140	224	53	6.6	< 0.01	< 0.5	1.4
02090																								
02091																								

Analyte Symbol	Lu	Mass	U	Mass
Unit Symbol	ppm	g	ppm	g
Detection Limit	0.05		0.1	
Analysis Method	INAA	INAA	DNC	DNC

01935			27.4	1.029
01936			28.6	1.093
01937			34.4	1.089
01938			97.0	1.087
01939			287	1.037
01940			118	1.005
01941			87.8	1.008
01942			13.5	1.087
01943			482	1.082
01944			151	1.038
01945			1080	1.053
01946			1380	1.061
01947			809	1.053
01948			31.1	1.085
01949			11.1	1.003
01950			197	1.017
01951			1200	1.010
01952			802	1.082
01953			51.3	1.076
01954			27.6	1.087
01955			10.8	1.009
01956			74.3	1.002
01957			9.2	1.041
01958			50.4	1.036
01959			10.4	1.027
01960			5.4	1.087
01961			836	1.072
01962			180	1.085
01963			152	1.009
01964			52.4	1.038
01965			84.1	1.023
01966			9.6	1.089
01967			286	1.002
01968			157	1.073
01969			252	1.051
01970			4.2	1.003
01971			121	1.038
01972			278	1.004
01973			153	1.081
01974			146	1.059
01975			20.2	1.086
01976			297	1.010
01977			995	1.014
01978			741	1.080
01979			1100	1.006
01980			521	1.011
01981			539	1.087
01982			29.0	1.006
01983			10.1	1.028
01984			20.0	1.061
01985			124	1.013
01986			1280	1.039

Analyte Symbol	Lu	Mass	U	Mass
Unit Symbol	ppm	g	ppm	g
Detection Limit	0.05		0.1	
Analysis Method	INAA	INAA	DNC	DNC
01087			102	1.048
01088			1180	1.085
01089			58.1	1.027
01090			104	1.047
01091			2.5	1.070
01092			112	1.078
01093			5.2	1.078
01094			131	1.072
01095			175	1.008
01096			8.4	1.067
01097			111	1.081
01098			187	1.085
01099			168	1.088
02000			228	1.059
02051			307	1.028
02052			19.7	1.007
02053			389	1.014
02054			387	1.047
02055			25.6	1.031
02056			283	1.048
02057			80.5	1.034
02058			350	1.068
02059			224	1.050
02060			687	1.065
02061			345	1.023
02062			417	1.083
02063			425	1.048
02064			87.8	1.081
02065			43.8	1.060
02066			6.2	1.064
02067			29.7	1.049
02068			4110	1.088
02069			62.8	1.057
02070			127	1.085
02071			27.4	1.060
02072			47.2	1.011
02073			8.0	1.087
02074			4.8	1.017
02075			120	1.002
02076			3.7	1.055
02077			119	1.047
02078	0.32	30.3		
02079	0.52	29.0		
02080	0.55	28.5		
02081	0.34	28.2		
02082	0.32	28.1		
02083	0.33	27.0		
02084	0.54	28.6		
02085	0.34	29.1		
02086	0.48	29.3		
02087	0.57	29.3		
02088	0.30	30.7		

Analyte Symbol	Li	Mass	U	Mass
Unit Symbol	ppm	g	ppm	g
Detection Limit	0.05		0.1	
Analysis Method	INAA	INAA	DNC	DNC
02089	< 0.05	1.00		
02090			1.2	1.072
02091			118	1.028

Quality Control																								
Analyte Symbol	Au	Ag	Cu	Cd	Mo	Pb	Ni	Zn	S	Al	As	Ba	Be	Bi	Ca	Co	Cr	Eu	Pb	K	Mg	Mn	Na	P
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	%	ppm	%	%
Detection Limit	2	0.3	1	0.3	1	3	1	1	0.01	0.01	0.5	50	1	2	0.01	1	2	0.2	0.01	0.01	0.01	1	0.01	0.001
Analysis Method	INAA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	TD-ICP	TD-ICP	INAA	TD-ICP
GXR-1 Meas		30.5	1180	3.3	13	728	42	735	0.23	2.42				1	1380	0.91				0.05	0.20	866		0.059
GXR-1 Cert		31.0	1110	3.3	18	730	41	780	0.28	3.52				1	1380	0.96				0.05	0.22	852		0.065
DH-1a Meas																								
DH-1a Cert																								
DH-1a Meas																								
DH-1a Cert																								
DNC-1 Meas		< 0.3	94		< 1	< 3	245	55	0.05	8.88			< 1	< 2	7.83					0.20	5.31	1010		0.025
DNC-1 Cert		0.0	99		1	8	247	86	0.04	9.99			1	0	9.08					0.19	6.06	1154		0.037
GXR-4 Meas		3.8	6450	0.7	310	52	43	78	1.81	6.47			2	18	1.18					3.90	1.75	167		0.138
GXR-4 Cert		4.0	6520	0.8	310	52	42	73	1.77	7.20			2	19	1.01					4.01	1.66	155		0.120
GXR-2 Meas		17.7	83	4.5	1	895	21	530	0.03	13.5			2	< 2	1.04					1.54	0.88	1020		0.067
GXR-2 Cert		17.0	78	4.1	2	890	21	530	0.03	18.5			2	1	0.83					1.37	0.85	1007		0.105
SDC-1 Meas		< 0.3	28	0.5	< 1	22	37	102	0.08	7.85			3	< 2	1.18					2.84	0.97	891		0.054
SDC-1 Cert		0.0	30	0.1	0	25	38	103	0.08	8.34			3	3	1.00					2.72	1.02	883		0.069
SCO-1 Meas		0.4	28	0.4	< 1	27	29	95		7.02			2	< 2	2.08					1.99	1.55	388		0.082
SCO-1 Cert		0.1	29	0.1	1	31	27	103		7.24			2	0	1.87					2.30	1.84	410		0.090
GXR-8 Meas		0.5	71	0.8	< 1	68	27	134	0.01	12.7			1	< 2	0.19					2.00	0.60	1110		0.036
GXR-8 Cert		1.3	68	1.0	2	101	27	118	0.02	17.7			1	0	0.18					1.87	0.61	1007		0.035
SY-2 Meas																								
SY-2 Cert																								
SY-2 Meas																								
SY-2 Cert																								
OREAS 13P Meas			2800				2310																	
OREAS 13P Cert			2500				2281																	
BL-4a Meas																								
BL-4a Cert																								
BL-4a Meas																								
BL-4a Cert																								
DMMAS-105 Meas	238										1750	1050				54	105	2.5	8.58					3.42
DMMAS-105 Cert	278										1693	742				48	97	1.1	8.17					2.81
DMMAS-105 Meas	260										1830	950				51	99	2.1	8.55					3.28
DMMAS-105 Cert	278										1693	742				48	97	1.1	8.17					2.81
01994 Orig																								
01994 Split		0.3	27	< 0.3	8	20	4	36	0.14	3.90			< 1	< 2	0.01					2.98	0.07	44		0.032
01994 Orig																								
01994 Split		< 0.3	30	< 0.3	2	18	18	11	0.21	4.77			< 1	< 2	0.01					3.45	0.12	46		0.066
01994 Orig																								
01994 Split		< 0.3	88	< 0.3	< 1	34	12	8	0.51	3.82			< 1	< 2	0.01					3.28	0.06	42		0.011
02074 Orig																								
02074 Split		0.8	63	1.0	< 1	14	9	112	0.21	5.34			< 1	< 2	4.13					1.53	2.01	1030		0.037
02088 Orig		0.5	54	1.7	< 1	108	5	282	0.17	5.27			< 1	< 2	3.84					1.31	1.82	1900		0.039
02088 Dup		0.4	54	1.4	< 1	108	5	288	0.16	5.39			< 1	< 2	3.87					1.32	1.81	1870		0.031
Method Blank Method Blank																								
Method Blank Method Blank		< 0.3	< 1	< 0.3	< 1	< 3	< 1	< 1	< 0.01	< 0.01			< 1	< 2	< 0.01					< 0.01	< 0.01	2		< 0.001

Quality Control

Analyte Symbol	Sb	Sc	Sr	Tl	Th	U	V	Y	La	Co	Nd	Sm	Yb	Lu	U	Mass
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.1	0.1	1	0.01	0.2	0.5	2	1	0.5	3	5	0.1	0.2	0.05	0.1	
Analysis Method	INAA	INAA	TD-ICP	TD-ICP	INAA	INAA	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	DNC	DNC
GXR-1 Meas			292				89	30								
GXR-1 Cert			275				80	32								
DH-1a Meas															2830	
DH-1a Cert															2629	
DH-1a Meas															2800	
DH-1a Cert															2629	
DNC-1 Meas			124	0.27			137	18								
DNC-1 Cert			145	0.28			148	18								
GXR-4 Meas			212				95	18								
GXR-4 Cert			221				87	14								
GXR-2 Meas			159				57	17								
GXR-2 Cert			180				52	17								
SDC-1 Meas			172	0.13			38	35								
SDC-1 Cert			183	0.81			102	40								
SCO-1 Meas			180	0.36			134	20								
SCO-1 Cert			174	0.38			131	28								
GXR-8 Meas			39				118	14								
GXR-8 Cert			35				188	14								
SY-2 Meas															285	
SY-2 Cert															284	
SY-2 Meas															283	
SY-2 Cert															284	
OREAS 13P Meas																
OREAS 13P Cert																
BL-4a Meas															1280	
BL-4a Cert															1248	
BL-4a Meas															1250	
BL-4a Cert															1248	
DMMAS-105 Meas	11.8	18.1			7.5	84.8			42.7	70	< 5	4.8	3.9	0.58		
DMMAS-105 Cert	10.8	15.7			7.8	88.0			37.5	80	10	3.9	3.0	0.45		
DMMAS-105 Meas	11.3	16.5			7.5	70.7			38.7	87	< 5	4.9	3.8	0.51		
DMMAS-105 Cert	10.8	15.7			7.8	88.0			37.5	80	10	3.9	3.0	0.45		
01984 Orig															52.4	1.038
01984 Split			35	0.35				21	22						52.3	1.088
01984 Orig															29.8	1.081
01984 Split			80	0.11				14	8						28.8	1.074
01994 Orig															131	1.072
01994 Split			35	0.09				10	23						131	1.065
02074 Orig															4.8	1.017
02074 Split			118	0.48				228	27						4.5	1.019
02088 Orig			114	0.37				217	27							
02088 Dup			114	0.28				187	28							
Method Blank Method															< 0.1	1.000
Blank																
Method Blank Method			< 1	< 0.01				< 2	< 1							
Blank																

Quality Analysis ...



Innovative Technologies

Date Submitted: 21-Jul-08  
Invoice No.: A08-4265  
Invoice Date: 18-Aug-08  
Your Reference: Elliot Lake

Pele Mountain  
2200 Young Street  
Suite 905  
Toronto Ontario M4S 2C6  
Canada

ATTN: Marla Bennett

## CERTIFICATE OF ANALYSIS

11 Soil samples were submitted for analysis.

The following analytical package was requested: Code 1D INAA(INAAGEO)

REPORT A08-4265

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

For values exceeding the upper limits we recommend assays.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Elitsa Hrischeva". The signature is written in a cursive style and is positioned above a horizontal line.

Elitsa Hrischeva, Ph.D.  
Quality Control

ACTIVATION LABORATORIES LTD.

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Activation Laboratories Ltd. Report: A08-4265

Analyte Symbol	Au	Ag	As	Ba	Br	Cu	Co	Cr	Cs	Fo	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	So	Sn	Sr	Ta	Tl
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
Detection Limit	5	5	2	100	1	1	5	10	2	0.02	1	1	5	5	0.05	50	30	0.2	0.1	5	0.05	0.1	1	0.5
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
02036	< 5	< 5	< 2	1000	< 1	< 1	28	80	< 2	5.75	5	< 1	< 5	< 5	1.37	< 50	< 30	< 0.2	22.4	< 5	< 0.05	< 0.1	< 1	7.8
02037	< 5	< 5	< 2	300	2	< 1	11	40	< 2	2.48	5	< 1	< 5	< 5	2.20	< 50	80	0.2	8.3	< 5	< 0.05	< 0.1	< 1	25.8
02038	< 5	< 5	2	800	< 1	< 1	8	30	< 2	1.45	5	< 1	< 5	< 5	2.35	< 50	< 30	< 0.2	5.9	< 5	< 0.05	< 0.1	< 1	8.2
02039	< 5	< 5	< 2	600	2	< 1	10	40	< 2	2.30	5	< 1	< 5	< 5	2.41	< 50	130	< 0.2	8.5	< 5	< 0.05	< 0.1	< 1	8.7
02040	< 5	< 5	4	800	< 1	< 1	12	40	2	2.53	5	< 1	< 5	< 5	1.85	< 50	< 30	0.2	5.7	< 5	< 0.05	< 0.1	< 1	18.7
02041	< 5	< 5	3	300	< 1	< 1	8	30	< 2	2.17	4	< 1	< 5	< 5	2.83	< 50	80	< 0.2	8.1	< 5	< 0.05	< 0.1	< 1	21.5
02042	< 5	< 5	3	500	< 1	3	9	40	2	2.43	4	< 1	< 5	< 5	2.27	150	90	0.4	8.3	< 5	< 0.05	< 0.1	< 1	9.3
02043	< 5	< 5	< 2	800	< 1	< 1	6	30	< 2	1.57	4	< 1	< 5	< 5	2.38	< 50	< 30	0.3	8.0	< 5	< 0.05	< 0.1	< 1	11.3
02044	< 5	< 5	8	800	2	< 1	18	80	3	2.78	5	< 1	< 5	< 5	1.71	< 50	130	0.7	10.0	< 5	< 0.05	< 0.1	< 1	23.1
02045	< 5	< 5	4	800	< 1	< 1	11	50	< 2	2.75	5	< 1	6	< 5	2.24	< 50	70	0.3	8.8	< 5	< 0.05	< 0.1	< 1	7.8
02046	< 5	< 5	5	500	2	< 1	8	50	< 2	1.94	7	< 1	< 5	< 5	2.33	< 50	80	< 0.2	6.8	< 5	< 0.05	< 0.1	< 1	12.0

Analyte Symbol	U	W	Zn	La	Co	Nd	Sm	Eu	Tb	Yb	Lu	Meas
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.5	4	50	1	3	5	0.1	0.2	0.5	0.2	0.05	
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
02036	1.8	< 4	< 50	41	79	27	5.1	1.4	< 0.5	2.0	0.40	28.5
02037	4.2	< 4	< 50	24	58	8	2.8	< 0.2	< 0.5	1.1	0.17	38.4
02038	2.2	< 4	80	18	35	< 5	2.2	0.8	< 0.5	0.8	0.15	35.4
02039	< 0.5	< 4	< 50	24	47	17	3.1	0.8	< 0.5	1.2	0.23	30.0
02040	5.8	< 4	< 50	27	55	16	3.3	0.8	< 0.5	1.1	0.21	29.1
02041	4.3	< 4	< 50	40	77	18	4.0	0.9	< 0.5	1.1	0.20	28.0
02042	2.7	< 4	< 50	24	45	14	3.2	1.0	< 0.5	1.3	0.23	34.0
02043	< 0.5	< 4	< 50	24	50	13	2.8	0.7	< 0.5	1.0	0.22	34.9
02044	8.3	< 4	< 50	32	70	16	3.9	0.8	< 0.5	1.4	0.28	31.5
02045	2.1	< 4	< 50	20	39	19	3.2	0.8	< 0.5	1.1	0.28	33.5
02046	2.1	< 4	< 50	19	41	< 5	2.7	0.8	< 0.5	1.2	0.17	31.4

Quality Control																								
Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fo	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Sr	Sn	Sr	Tu	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
Detection Limit	5	5	2	100	1	1	5	10	2	0.02	1	1	5	5	0.05	50	30	0.2	0.1	5	0.05	0.1	1	0.5
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
DMMAS-105 Meas	270		1890	1100			52	100		6.88					3.24			9.8	17.0					7.1
DMMAS-105 Cert	278		1693	742			48	97		6.17					2.81			10.6	15.7					7.8
DMMAS-105 Meas	272		1820	1000			51	90		6.53					3.02			10.4	16.8					8.5
DMMAS-105 Cert	270		1893	742			48	97		6.17					2.81			10.6	15.7					7.8
02048 Orig	< 5	< 5	5	500	2	< 1	8	50	< 2	1.94	7	< 1	< 5	< 5	2.33	< 50	80	< 0.2	6.8	< 5	< 0.05	< 0.1	< 1	12.0
02048 Split	< 5	< 5	2	700	< 1	< 1	8	50	< 2	1.92	6	< 1	< 5	< 5	2.16	< 50	< 30	< 0.2	6.5	< 5	< 0.05	< 0.1	< 1	10.6

Quality Control

Analyte Symbol	U	W	Zn	La	Co	Nd	Sm	Eu	Tb	Yb	Lu	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.5	4	50	1	3	5	0.1	0.2	0.5	0.2	0.05	
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
DMMAS-105 Meas	62.2			38	65	25	6.1	2.0		3.1	0.47	
DMMAS-105 Cert	66			37.5	60	10	3.9	1.1		3.0	0.45	
DMMAS-105 Meas	64.8			38	65	27	5.8	1.7		3.2	0.47	
DMMAS-105 Cert	66			37.5	60	10	3.9	1.1		3.0	0.45	
02048 Orig	2.1	< 4	< 50	19	41	< 5	2.7	0.8	< 0.5	1.2	0.17	31.4
02048 Split	2.7	< 4	< 50	18	38	10	2.5	0.8	< 0.5	1.2	0.26	33.8