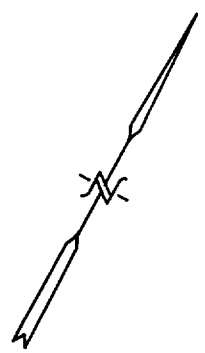


010



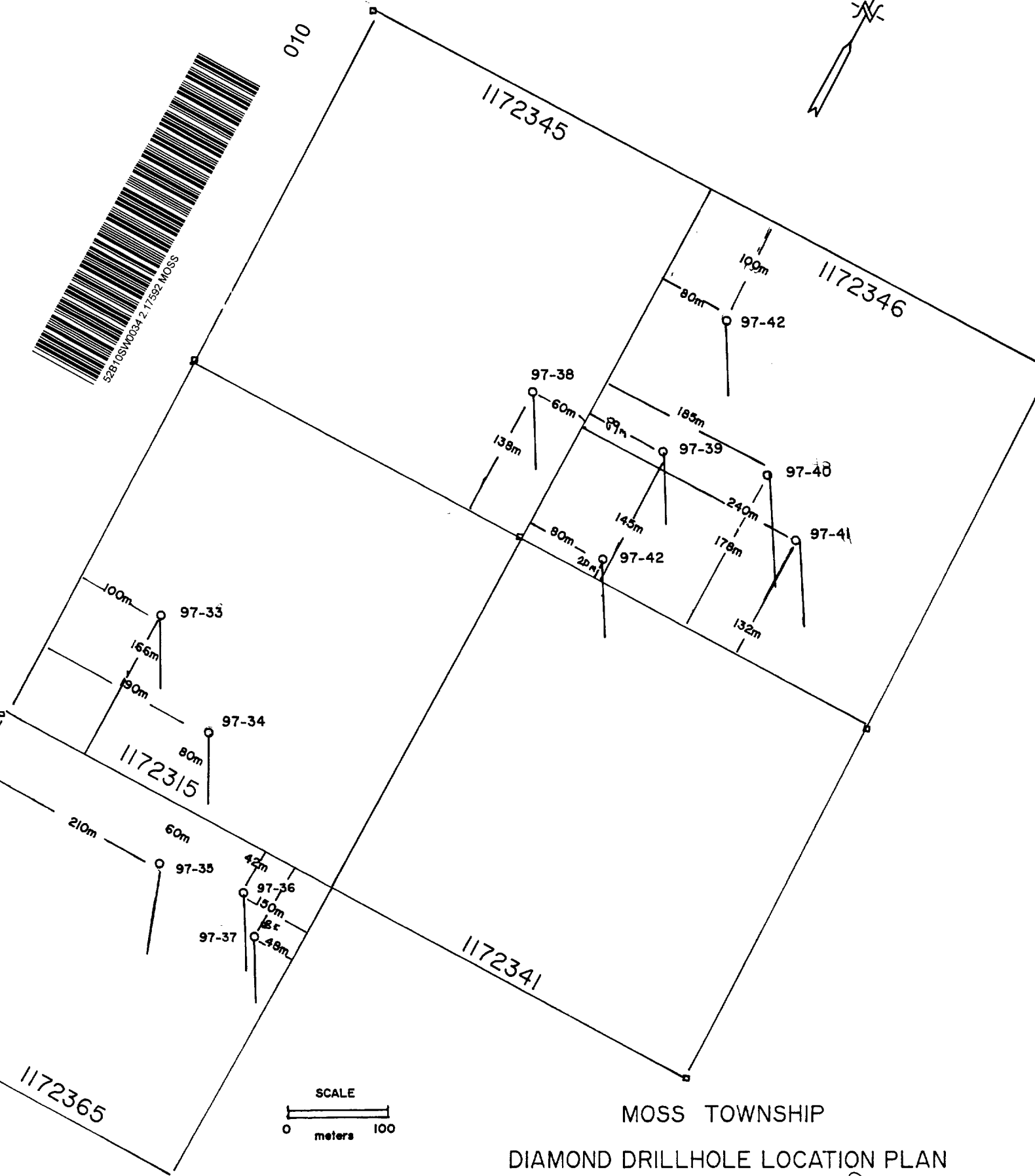
1172345

1172346

1172315

1172341

1172365



MOSS TOWNSHIP

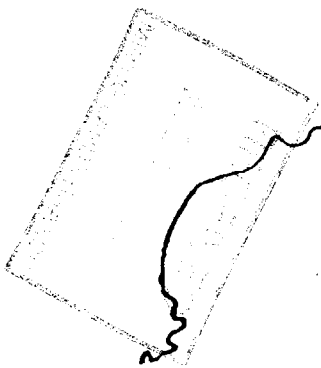
DIAMOND DRILLHOLE LOCATION PLAN

PELE MTN. RES. INC.

Starcher



River

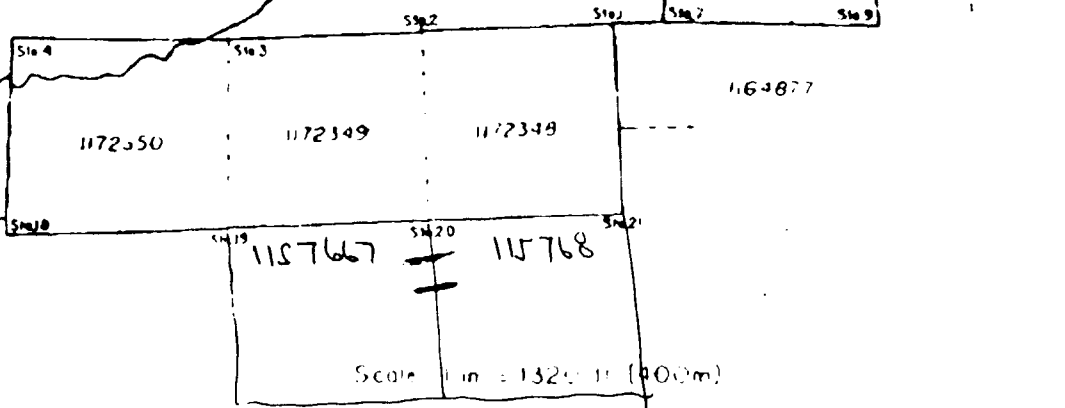


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JUN - 5 1997

Thunder Bay
Mining Division

2-17592



Moss

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Moss

CLAIM LOCATION PLAN

PELE MOUNTAIN RESOURCES INC.

Scale 1 in = 1320 ft (400m)

SCALE 1 INCH to 400 METERS

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DIAMOND DRILLHOLE LOG: M97-33

□Pele Mountain Resources - Moss Lake Project

□Date Started: May 25, 1997

□Date Finished: May 25, 1997

□Claim # 1172315

□Co-ordinates: 100m east, 166m north of #3 post

□Azimuth: 132 (Grid south)

□Dip: -65 (-61 @ 138m)

□Logged by: F.T. Archibald & J.A. Richard, Geologists

□Drilled by- Chibougamau Diamond Drilling Ltd.

□Core size- NQ (core stored on property)

□

□Total Depth: 162.28m

□

□

□0- 1.2m CASING

□

□1.2- 1.7m ALTERED FELDSPAR PORPHYRY

□ pink-buff, f.grained matrix, odd chlorite seam, <0.5% dissem.py, some

□ bleached bands

□

□1.7-21.12m MAFIC METAVOLCANIC - basalt flow

□ d.blackish green, f.grained and equigranular, weakly chloritized with plagio

□ phenos, 45 to C.A., mod.foliated, tr.py, some qtz-feldspar veinets

□ @ 20.7-21.12m.

□

□21.12-21.32m SYENITE DIKELET

□ reddish, f.g. K-feldspar to 90%, 1-3% magn, no visible min., sheared

□ intrusive contacts

□

□21.32-30.33m MAFIC METAVOLCANIC - basalt

□ as above 18.75-21.12m; looks progressively more tuffaceous (lapilli) with

□ minor ash interflows, 1-3% magn, minor serpentized horizons, weak to

□ mod.fol., locally brecciated & saussuritized/albitized to fleshy pink with

□ chloritized ghosts, brecciated lower contact

□

□ @ 21.86-22.68; silicified and bleached by late grey qtz vnltts at 21.6, 21.95m &

□ 22.23-22.54m, with 5% galena and py blebs to 5-7%, minor cp values.

□ @26.08-27.3; qtz vein and altered zone; upper contact to mafics is sheared,

□ massive albitized halo, variably cut by late grey qtz vnltts, 0 to C.A., lower

□ shear contact

□ @29.5-30.0; few albitized hairline fractures

□

□30.33-30.57m LAMPROPHYRE DIKE

□ biotite porphroblasts set in f.grained K-spar matrix, no visible
□ mineralization, sharp intrusive contacts-upper sheared into mafics

□30.57-32.45m MAFIC METAVOLCANIC - basalt

□ d.blackish greenish, weakly foliated to 50 , f.grained, tr.py euhedra
□ @ 30.57-31.0; contact zone to overlying lamprophyre is qtz-calcite
□ veined/brecciated

□ @ 32.2-32.45; strongly albitized and silicified

□32.45-32.75m SYENITE DIKELET

□ f.grained, equicrystalline Kspar xstals in finer Kspar matrix, <5% mafics,
□ cut by a few late grey qtz vnlt, to 1% py

□32.75-35.95m MAFIC METAVOLCANIC - basalt

□ as above mafics at 30.57-32.45; variably to strongly albitized in bands,
□ mod.sheared and chloritized along contacts, variable late grey qtz vnlt, no
□ visible min.

□ @ 35.5-36.1; strongly sheared upper contact at 45-75 to C.A., 1% py

□35.95-48.25m INTERMEDIATE METAVOLCANIC - dacite to andesite tuff

□ buff-gray, v.f.-f.grained, massive, weakly amygdaloidal and sheared to 55 ,
□ locally cut by late gray qtz vnlt up to 1cm, 1-3% py dissem.along contacts,
□ bands of mafic and ironstone fragments in intermediate matrix, variably
□ albitized, sericitic at 38.7-40.3m, bedded at 45

□ @38.1-38.7; strongly albitized to fleshy pink with xcutting qtz vnlt, 80% py-po
□ fracture fills

□ @44.5-48.3; fine lapilli tuff, autobrecciated in places, frags up to 5cm, includes
□ jasper ironstone bands to 2cm each at 40 , with 1-2% fine py; includes 2cm
□ late gray qtz vnlt at 45.75 with 3% py and galena

□48.25-54.0m MAFIC METAVOLCANIC - fine volcanoclastics

□ d.gray-greenish, v.f.grained and equicrystalline, concoidal fracturing,
□ massive, few xcutting vnlt, contains thin horizons of laminated cherty
□ wacke interflow, <1% py-po locally, whole unit shows primary bedding
□ @53.68; 1cm late gray qtz vnlt, with 3% fine dissem.py

□54.0-82.0m MAFIC METAVOLCANIC - basalt flow

□ d.grayish green, massive and f.grained, equicrystalline, some weak
□ foliations to 65 , weakly to mod. carbíd

□ @ 73.75; 1cm white qtz-calcite vnlt, Z-folded, tr.py

□ @76.75; 1cm qtz-Kspar vnlt with 3% py

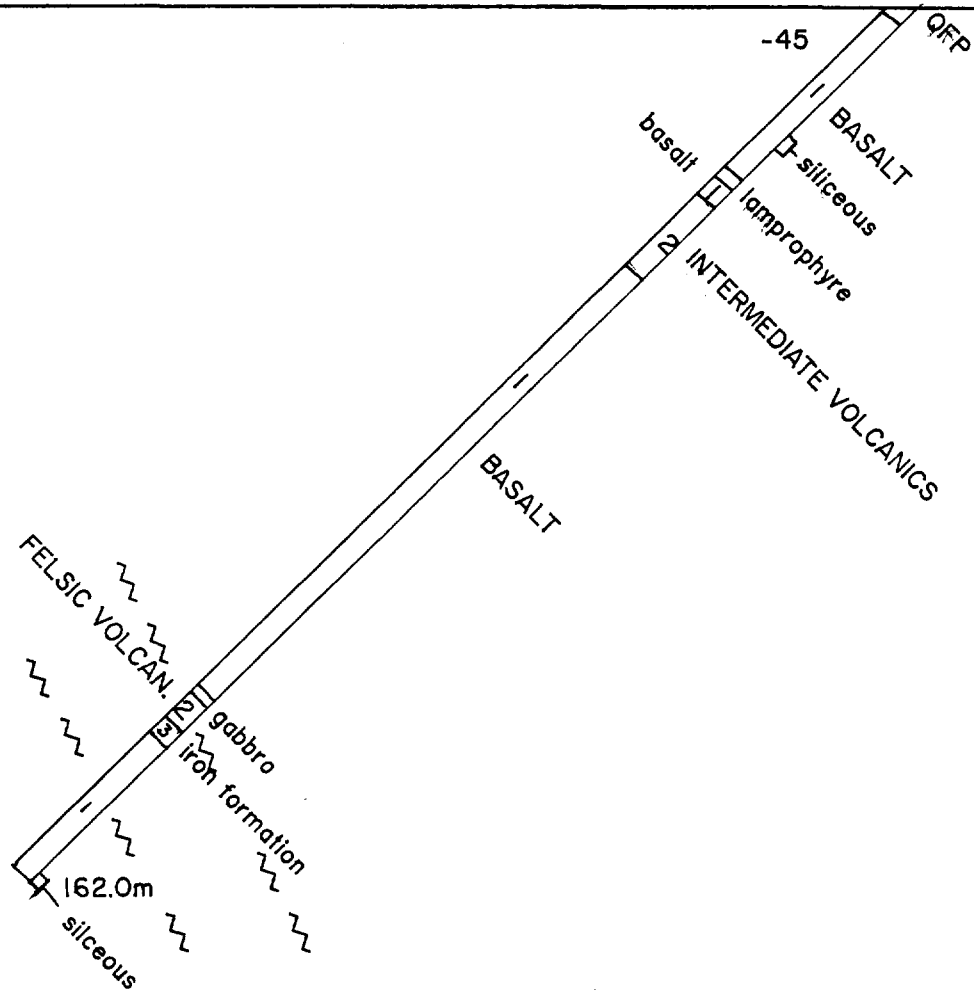
- 82.0-127.57m MAFIC METAVOLCANIC - lapilli tuffs
 - d.greenish, v.f.-f.grained, massive to locally autobrecciated lapilli tuff, with
 - calcite amygdules though few vnlt, primary bedded to 50 , tr. py, locally
 - chloritized along vnlt contacts, frequent magnetite-rich bandings
 - @84.9-85.76; 5-10% py along qtz-calcite vnlt as dissem. & blebs, minor po
 - @86.0-86.5; qtz-calcite vnlt, tr.py
 - @102.1-104.0; qtz vnlt subparallel to C.A., tr.py
 - @112.15-113.2; qtz-calcite vnlt and brecciation, tr.py, sheared lower contact
 - @113.2-123.65; repetitive intercalations of f-med.grained massive flows, mod.
 - foliated to 50 , with thin, strongly chloritized shear surfaces
 -
- 127.57-128.6m INTERMEDIATE METAVOLCANIC - ash tuff
 - greenish-gray, v.f.grained to aphanitic, strongly foliated to 45 , tuffaceous
 - texturing, few chloritic partings, tr. to 2% py finely dissem.
 - @127.57; 1cm late gray qtz vnlt, 2% py
 -
- 128.6-129.28m GABBRO DIKE
 - d.greenish, med.grained and massive, plagio-hornebl with 30% magn, sharp
 - intrusive contacts truncating qtz veining in wallrocks, 65 to C.A.
 -
- 129.28-130.85m MAFIC METAVOLCANIC - BASALT FLOW
 - compositionally similar to gabbro above, weak to mod.foliation to 45 to
 - C.A., f.grained, hard and equicrystalline, no visible min.
 -
- 130.85-134.56m INTERMEDIATE TO FELSIC METAVOLCANIC - ash tuff
 - as above intermediate 127.57-128.6m, med. gray, siliceous, tuffaceous
 - bedding textures, mod. foliated to 65 to C.A. , weakly amygdaloidal, fine
 - dissem. py along fractures, grades into l.gray, v.siliceous, aphanitic ash tuff,
 - 2-5% dissem. py-po throughout
 -
- 134.56-136.1m BANDED IRON FORMATION
 - laminated magnetite-sulphide facies ironstone, aphanitic overall, 2-4mm po
 - bandings, minor felsic tuff horizons (<10cm), 10-25% sulphides
 -
- 136.1-143.85m INTERMEDIATE TO FELSICS METAVOLCANICS - tuffs
 - l.greenish gray, aphanitic to v.f.grained, very siliceous and autobrecciated
 - @136.1-136.3; late gray qtz vnlt and local siliceous, 5-7% fine py-po dissem.
 - @139.0-139.4; qtz-calcite vnlt and brecciation, 1-2% py-po
 - @139.4-143.85; lithic tuff breccia, 3-4cm mafic fragments in siliceous matrix, no
 - visible min., flow-banded to 45 , weakly sheared, chlorite enriched along
 - contacts, tr. py -po
 -
- 143.85-162.28m MAFIC METAVOLCANIC - basalt flow

- d.greenish, massive, f.grained, weakly foliated to 55 , albitization increases
- downhole with chloritization along vnlt., 1-2% magnetite
- @144.62-144.9; gray qtz vnlt.-locally brecciated at 0-40 , silicified wallrock with
- albitized haloes
- @148.32-149.2; qtz-ankerite vnlt., chlorite and 1-3% fine py
- @150.0; 10cm of pinkish grey qtz microveining
- @152.25-153.0; gray qtz veining at 40 to C.A., chlorite-rich contacts, 1-5%
- finely dissem. py with qtz flooding of wallrock
- @159.5; Kspar-horneblende intrusive vnlt-syenite
- @161.35-162.28; Zone - late gray qtz veining and microfractures, at 20 to C.A.,
- very chloritized with ankerite, 1-5% finely dissem. py
-
- EOH 162.28
-

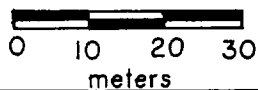
Stanford

South

North



- 1 Mafic Volcanic basalt
- 2 Felsic Volcanic tuff
- 3 Chemical Sediments iron formation
- 4 Mafic intrusive gabbro
- 5 Felsic Intrusive syenite



PELE MOUNTAIN RES. INC.
DRILLHOLE SECTION 97-33

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DIAMOND DRILLHOLE LOG: M97-34

Pele Mountain Resources - Moss Lake Project

Date Started: May 24, 1997

Date Finished: May 24, 1997

Claim # 1172315

Co-ordinates: 190m East and 80m North of post #3 1172315

Azimuth: 132 degrees (south grid)

Dip: -44 (-53 @ 90m)

Logged by: C. D. Bartlett, B.A. Geologist

Drilled by- Chibougamau Diamond Drilling Ltd.

Core size- NQ (Core stored on property)

Total Depth: 90.81m

0-8.54m Drill Casing

8.54-21.38 Mafic Flow 1a

fine grained massive, chloritized and brecciated with intermittent
cct+qtz veins and thin py

(+po?) 1-2% in veins, otherwise dissem. and trace amts.

13.38 change color, more altered=greener, fewer cct veins and blebs.

21.38-60.58 Mafic tuff 1e

Mafic, fine grained tuff, few cct veins, foliated, py + po (minor) in
thin bands <1%,

chloritized along foliation planes and 10-20 cm zones of increased
cct veining and blebs, black

and more massive between these zones, Py dissem. trace amts.
throughout

29.85-30.40 Chert layer, pinkish with green alt., contacts are
sheared and folded--soft sed.-like.

30.40 cct blebs and veining aries from the more altered zones, to
none in the black, more massive

units.

32.84 Lapilli tuff chloritized with trace py.

35.03 Ash tuff, also chl., lg. cct veins and blebs + sm. veins

55.05 thick xcut qtz vein 2% py

57.00 brecciated tuff +cct

60.58-62.18 BIF 3a

Amorphous qtz, brecciated in places, py+po 10-15% along bands, mgt thin bands, bottom 15cm,
tuffaceous material intermixed.

62.18-66.47 Mafic tuff 1e

Mafic, fine grained, few qtz+cct veins, py - 1% along foliation.
Brecciated in places, assoc. with
more intense cct veining and pods--20 cm band.
65.93 qtz veining, no sulfides

66.47-67.61 BIF 3a
as above

67.61-81.85 Mafic massive flow interbedded with mafic tuffs 1a- 1e

Mafic flow interlayered with ash to lapilli tuffs; feww cct veins w/
minor chert clasts,; py assoc.

with lapilli tuff;

70.00 brecciation along massive and lapilli tuff units

70.36 massive tuffaceous ash unit, few qtz veins w/ py <10%,
otherwise py is trace, dissem.

74.75 lapilli tuff interlayered with massive ash. xcut cct +qtz
(reddish cherty), vuggy and
intermittent throughout length.


Slightly magnetic--between chert layers (minor BIF). Py dissem.
and concentrated up to 1-2%.

81.85-90.81 Mafic lapilli tuff 1e

Mafic tuff with cct+qtz (chert--reddish) veins along foliation,
assoc. py along veins <1%; grades
in to more altered, finer grained ash tuff with minor BIF layers the
first few decimeters.

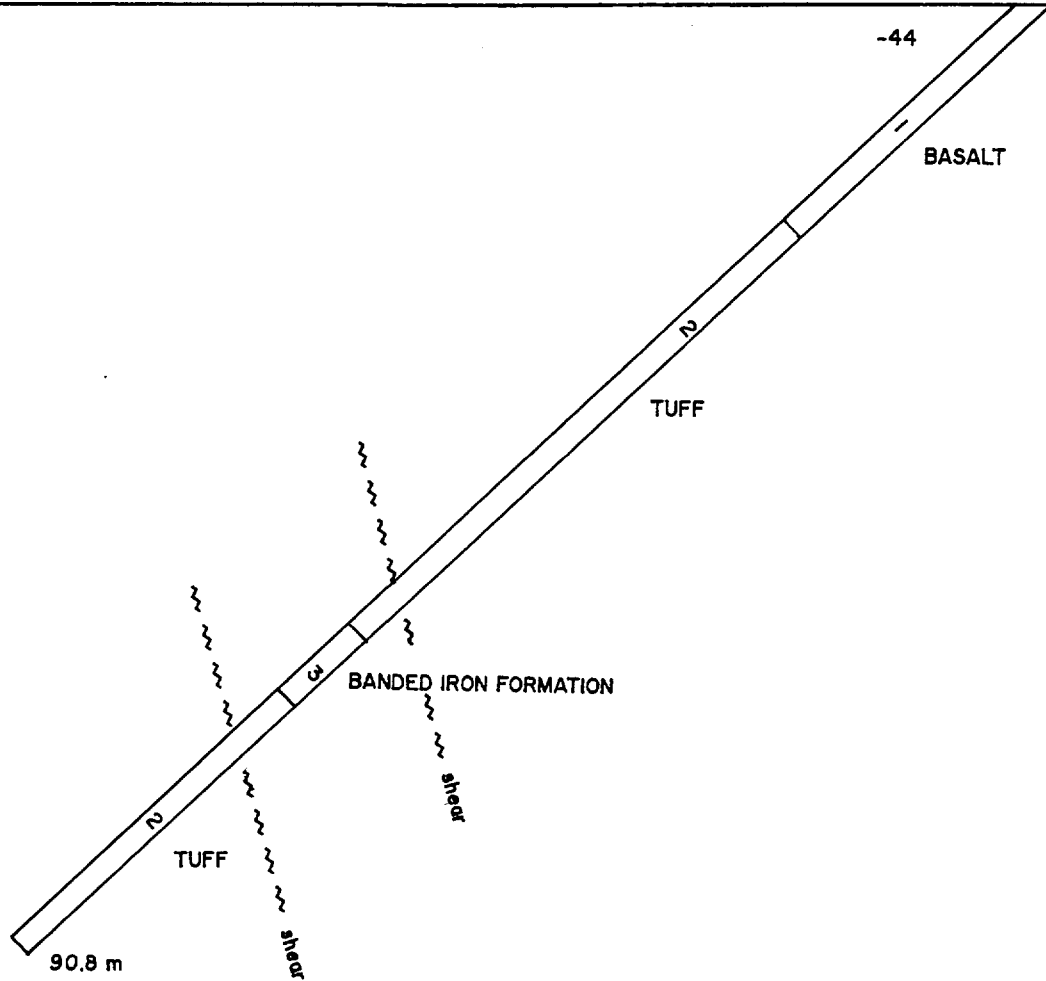
85.00 Ash -- tuffaceous, mostly black, massive with cct veins + py
< 2% up to 1cm sized accumulations--blebs.

90.81 END.



South

North



1

Mafic Volcanic basalt

2

Felsic Volcanic tuff

3

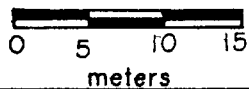
Chemical Sediments iron formation

4

Mafic intrusive gabbro

5

Felsic Intrusive syenite



PELE MOUNTAIN RES. INC.

DRILLHOLE SECTION 97-34

Strickland

DIAMOND DRILLHOLE LOG: M97-35

Pele Mountain Resources - Moss Lake Project

Date Started: May 25, 1997

Date Finished: May 25, 1997

Claim # 1172365

Co-ordinates: 60m South & 210m East of post #4 claim 1172365

Azimuth: 140 degrees (south grid)

Dip: -45.5((-45.5(@ 96m)

Logged by: T. A. McMenamy, B.Sc. Geologist

Drilled by- Chibougamau Diamond Drilling Ltd.

Core size- BQ (core stored on property)

Total Depth: 96.15m

0-7.48m Drill Casing

7.48-24.58 Mafic massive flow 1a

small qtz+cct veins < 1cm with minor py, py also trace amts and dissem., up to 1% locally

veins brecciated, small qtz veins with up to 4% py

@18.00-18.59 py in cs; small cct veins with py

@18.59-19.05 band of lapilli tuff

24.58-29.30 BIF 3a

Sharp contact @ 35(; 1st 1.5m brecciated with qtz clasts; Py + po <1% blebs and dissem., chl xtls and mgt clasts present, tuff interlayer towards contact below apx 15cm thick with .5cm qtz veins.

29.30-53.61 Tuff: mafic-intermed 1c

Sharp contact with BIF @35(Ash tuff grades from mafic to int., py trace-dissem., becomes coarser grained to lapilli sized frags with small qtz veins with trace py. 20cm brecciated zone with qtz clasts and py blebs

@30.00-30.15 BIF with sharp contacts, py concentrated at contacts.

@38.60 - 10cm band of brecciated BIF
last 3m of tuff has abundant qtz veining with up to 50% py, py in
tuff is 1-2%.

53.61-57.58 Mafic-massive flow 1a

Sharp contact @20(; py <1%, thin qtz veins with py

57.58-59.93 Mafic Tuff 1e

not very alt., qtz veins= 1cm thick, py-trace to none

59.93-60.36 BIF 3a

sharp contact @ 80(on either sides; py dissem. and up to 1-5%
locally

60.36-66.60 Mafic Lapilli Tuff 1e

Small qtz+cct veins with py - trace to none; grades from mafic to
int., variation: lapilli-tuff

@64.22-65.94 kspar porphyry dyke, couple qtz-cct veins with
py<1%, sharp contacts at 80(

@66.60-67.10 massive mafic flow, no veins, trace py

67.10-68.14 BIF 3a

highly alt-chl., <5% py, interbanded with alt. tuff

68.14-69.87 Massive Mafic flow 1a

cubic py <1%

69.87-76.11 Debris flow 1c Au-bearing

large qtz veins 3-4cm with py+ga+Au, flow primarily composed of
tuff, within brecciated tuff py<1%, otherwise none. Grades to lapilli tuff
@ 76.11-78.16, sharp contacts with debris flow @ 85(

@83.62m sm. felsic band = 20cm, contains late cct+ank and is highly

chloritized. Gradational lower contact with debris flow. Debris flow and lower syenite dyke has sharp contact @90(.

85.06-86.96 Felsic intrusive- Mafic Syenite 9f

no sulfides, thin cct veins and blebs

86.96-96.15 Debris flow 1c

Sheared and clayey, gouged out along 3cm zone, py <1%, chert clasts (reddish) and thin cherty later with cct and ank in xcutting veins.

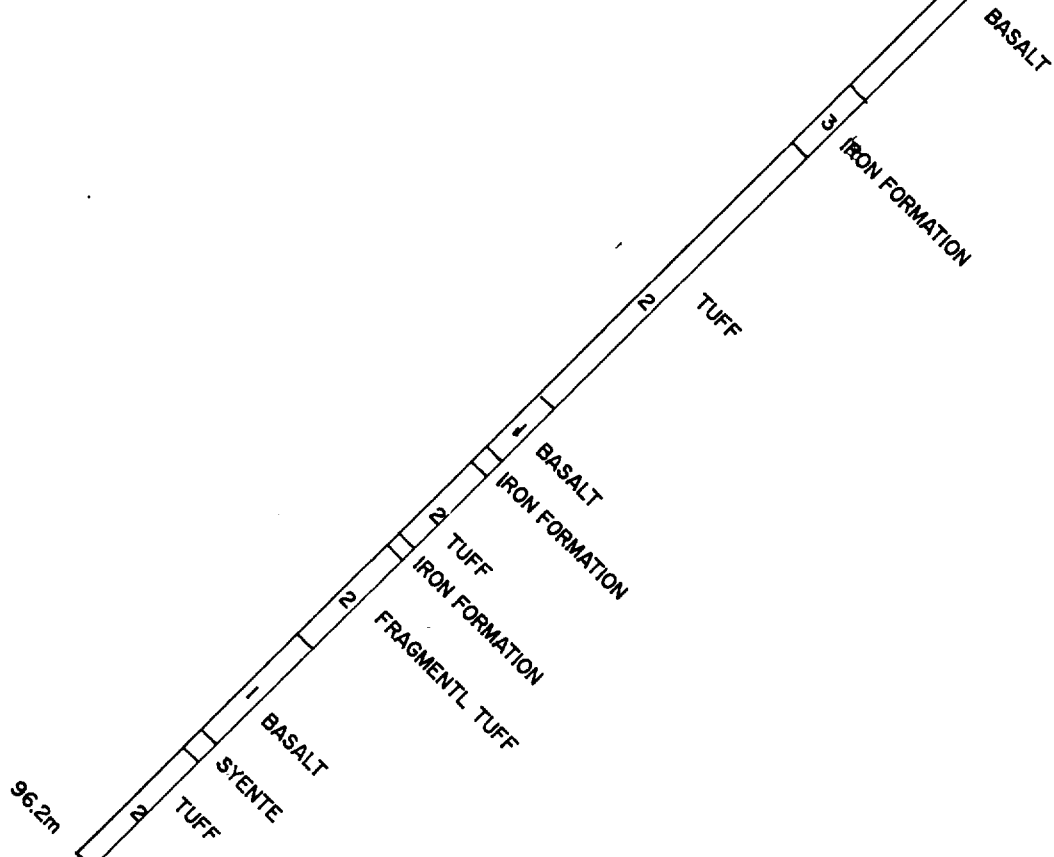
96.15 End.

John W. DeWitt

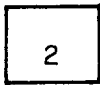
South

North

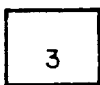
-45.5



Mafic Volcanic basalt



Felsic Volcanic tuff



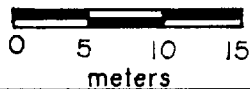
Chemical Sediments iron formation



Mafic intrusive gabbro



Felsic Intrusive syenite



PELE MOUNTAIN RES. INC.

DRILLHOLE SECTION 97-35

Softly

DIAMOND DRILLING LOG M9736

Dip: 43.5 (52 @117 m)

Azimuth: 132 (south grid)

Coordinates: 42mSouth and 150mWest of #1 post Claim 1172365

Date started: 5-25-97

Date finished: 5-25-97

Logged by: C.D. Bartlett, B.A. Geologist

Drilled by: Chibougamau Diamond Drilling Ltd.

Core size: NQ (core stored on property)

Total depth: 118.96m

0-3.73 Drill casing

3.73-4.83 Plag. porphyry 9j

Mafic porphyry with plag. phenocrysts <0.5cm; Py - 1%, dissem., cpy-trace amts.

Grades into massive chl. ash.

4.83-10.78 Mafic massive flow 1a

Chloritized massive basalt with xcutting and foliation parallel cct+qtz veins <1cm thick; Py - fine grained, concentrations along veins and disseminated throughout; cpy - trace, also concentrated in veins; reddish alt. along some veins.

10.78-15.28 Kspar porphyry 9j

Intermed. groundmass aphanitic to slightly coarser downhole, kspar phenocrysts <1cm, also includes bio+ ab; alt: chl+epd, especially kspar xtls; py-trace amts. Sharp contacts with ash units.

15.28-23.88 Mafic ash tuff 1e

Ash to lapilli sized frags., chloritized, brecciated in places; qtz+cct veins throughout, plus qtz veins which xcut foliation; py concentrated in less altered layers <5%, cpy-trace with py, dissem., both also in veins.

23.88-25.35 Mafic lapilli tuff 1e

Mafic tuff, heavily foliated and very altered: chl+epd; maintain qtz+cct veining varies- larger, qtz veins bearing py+po, reddish alt. assoc. with some veins; py+po trace amts dissem. and slightly concentrated in veins <1%.

@24.72 Brecciated tuff, py+po also concentrated along clast boundaries and in veins.

25.35-28.65 BIF 3a

Chert-mgt banding <2cm, includes bands of brecciated tuffs; Chert layers appear spotty and altered in large zones; py+po concentrated in thick bands and dissem. throughout <5%.

@26.55 Chert becomes thicker and more homogenous, broken by thin bands of tuff with py+po--brecciated and sheared slightly (folded appearing).

28.65-31.11 Mafic lapilli tuff 1e

Gradation to more ash sized, massive appearing tuff, silicified zones present = 10- 20 cm with brecciated tuff frags.; qtz+cct veining xcutting and thin; py concentrated within veins <1%

31.11-39.55 Chert interbedded with ash 3b + 1a

Mafic tuff as above, grain size varies, qtz+cct veins thin and cct minor blebs also; chert layers with brecciated tuff frags. within, qtz+cct veins contain local py blebs.

@36.76 Chert--chl., py+po concentrated within veins and along tuff frags within.

39.55-43.55 Mafic ash tuff 1e

Vary grain size lapilli to ash, ashy layers more chl. alt.; maintain bands of chert with brecciated tuff frags; qtz+cct veins randomly and downhole align with foliation (in more ashy layers) ; py concentrated in veins, dissem. throughout <1%, more in ash layers, +po fine grained accumulations in larger veins.

43.55-49.62 Mafic lapilli tuff 1e

Green alt., foliation @45-50°; veining cct+qtz with few brecciated tuff zones, cct blebs; py-trace.

@45.70 Lose cct blebs, tuff is darker in color, less alt.; py-sm. concentrations in scattered veins

49.62-50.54 BIF 3a

Contains brecciated tuff-qtz layers and larger layers of lapilli tuffs; py-trace amts.

50.54-52.23 Mafic lapilli tuff 1e

52.23-61.55 BIF 3a

Py+po concentrated in thin veins along clast boundaries; contains brecciated tuff frags.

61.55-110.15 Mafic ash tuff 1e

Mafic tuff with layers of brecciated tuff with cct+qtz veins, heavily foliated; po+py accumulations--blebs, and concentrated along foliation planes; grades into less foliated tuff and varies in intensity of foliation; interbanded finer grained ash tuff with py+po bands <5%.

@74.25 Minor, secondary qtz veins, pinkish alt., 40°, trace sulfides.

@108.80-108.93 Shear zone @ 40°.

110.15-114.68 Chert 3b + mafic lapilli tuff 1e

Tuff interlayered with chert bands; qtz+cct veins often reddish; py-local concentrations up to 5%, otherwise 1-2%, mostly fine grained with late cubes in more silicified zones.

@114.09 Lapilli tuff, magnetic and reddish alt.

114.21-114.52 BIF 3a

Interbedded with lapilli tuff, reddish in color, heavily fractured; py trace amts in BIF and dissem. in tuff.

114.68-118.96 Debris flow 1c

Brecciated lapilli and ash tuffs; cct+qtz beining and blebs; 1-2% py
along clast boundaries, cpy-trace.

118.96 End.

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DIAMOND DRILLING LOG M9737

Dip: 43.5 @ 163m

Azimuth: 132 (grid south)

Claim- 1172365

Coordinates: 80 South & 48 West #1 post of Claim 1172365

Date started: 5-25-97

Date finished: 5-26-97

Logged by: T.D. Zeman, B.Sc. Geologist

Drilled by: Chibougamau Diamond Drilling Ltd.

Core size: NQ (core stored on property)

Total depth: 166.22m

Drill Casing: 0-5.60

5.60-6.72 Mafic massive volcanic 1a

Not very alt.; Py- trace amts, dissem.

6.72-8.60 BIF 3a

Brecciated near lower contact; 5% py.

8.6-9.90 Mafic massive volcanic 1a

Qtz blebs < 1cm; more alt - chl.- than above; trace to none py.

9.90-11.60 Mafic lapilli tuff 1e

Widely scattered qtz veins, few mm - cm wide; <1% py.

11.60-12.70 Mafic massive volcanic 1a

Minor qtz veining and blebs.

12.70-14.85 BIF 3a

Brecciated, chl. and qtz blebs; po+py 5-7%, po typically surrounding py.

@14.35 less magnetic, increase po & py to 3-4% each.

14.85-15.26 Mafic massive flow 1a

Blebs of qtz < 1mm; trace to no py.

15.26-18.43 Mafic lapilli-ash tuff 1e

Gradation lapilli to ash tuff down hole; py 1% dissem.; qtz veins and blebs.

@18-18.12 Albitized zone

18.43-18.77 BIF 3a

Brecciated, po - 5%, py 1-3%.

18.77-22.76 Fragmental mafic tuff 1c

Brecciated ash tuff with clasts of lapilli tuff and BIF; po- 1%, py - 1%

22.76-24.88 Massive mafic flow 1a

Py- trace to 1% dissem.

@24.65-24.88 lapilli tuff, trace py, sharp contacts

24.88-33.60 BIF 3a

Zones of brecciation, intermittent zones of massive mafic flows; local concentrations of po- 5%, py 1-2%.

33.60-35.46 Massive mafic flow 1a

No visible sulfides.

@35.00-35.46 BIF po+py <1%

35.46-82.04 Fragmental mafic tuff 1c interbedded with lapilli tuffs 1e

Clasts of tuff 1-3cm, zones highly alt. with chl. laths; few zones of finely dissem. py <1%, trace po, mostly barren of sulfides; minor qtz veining, xcutting.

- @ 47.11-47.51 BIF 1-2% po+py
- @ 67.56 begin Qtz+cct veining with minor py, 35°.
- @ 80.80 weakly magnetic zone

82.04-83.35 Fspar porphyry dyke 9j

Intermed. to felsic with alt. fspar phenocrysts, med. to coarse grain size; silicified with pink-green alt., albitized.

83.35-114.16 Fragmental mafic tuff 1c interbedded with mafic lapilli tuffs 1e

@ 93.88 Color change in tuff, from dark greyish-green to lighter, bleached color.

@ 98.32-100.52 considerably lighter tuff with gradational contacts between lahar and tuff units.

@ 100.52 Lapilli tuff with zones of larger grain size; few albitized zones, reddish alt. color; cct veining pervasive, 20°; distinct slickensides and striae; trace to 1% py.

@ 108.92 Qtz veins, cherty-reddish-green alt. haloes, tourm present in veins.

114.16-123.54 Fspar porphyry 9j

Gradation from tuff into fspar porphyry, interlayered and gradually brecciated with indistinct contacts, minor Qtz veins, few pink cct veins up to 4 cm wide, near horizontal.

123.54 -161.93 Fragmental mafic tuff 1c interbedded with mafic lapilli tuffs 1e

begin again tuff and lahars interbedded
few albitized zones--green-pink, spotty alt.

@ 127.00 Qtz+cct veining with thick py band, 5-7% locally.

@ 143.40-145.06 Shear zone @ 20°, 1% py.

161.93-163.12 Hbl porphyry 9h

Hbl + bio phenocrysts.

163.12-166.22 Brecciated mafic tuff 1c

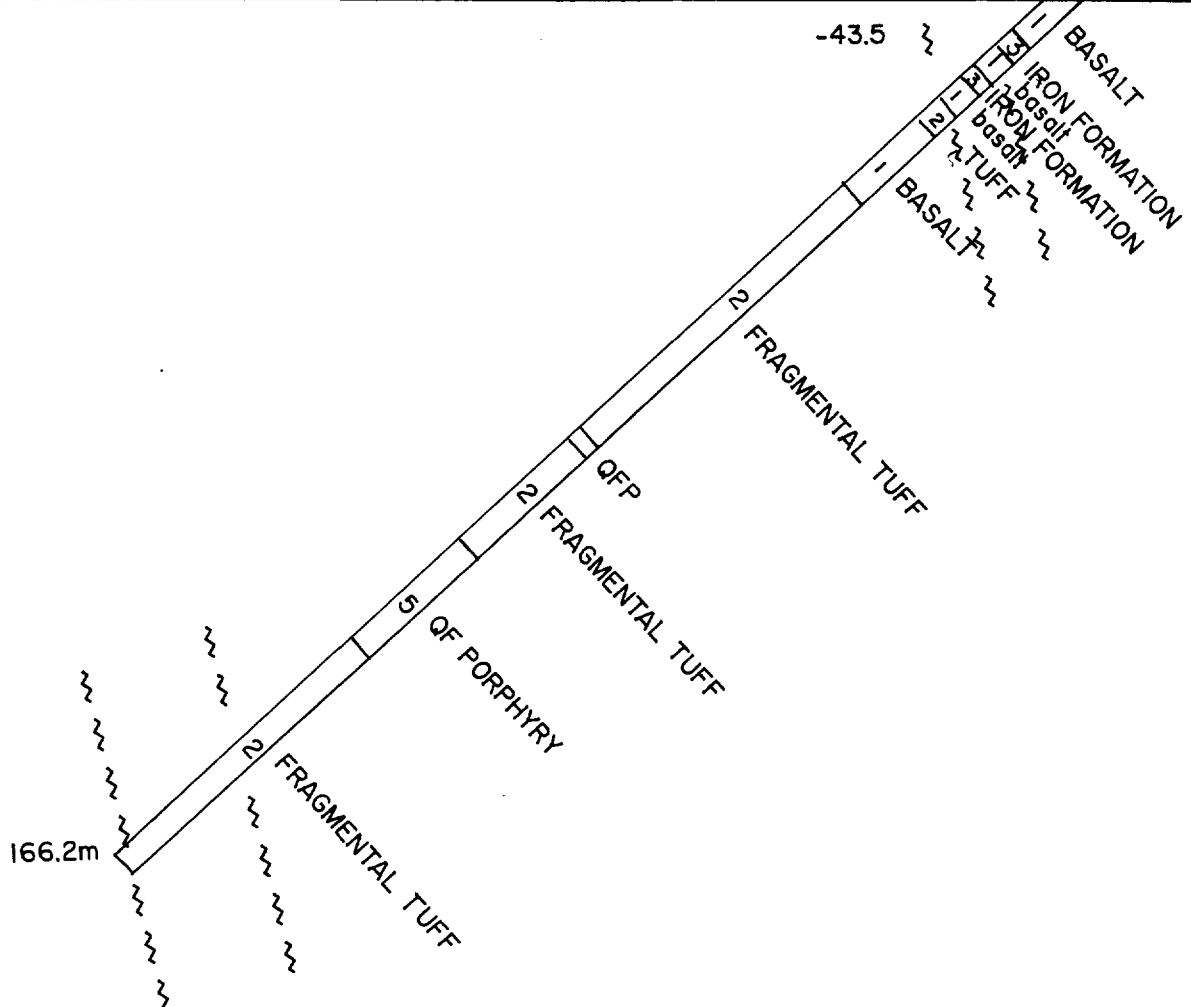
Varying zones of more porphyritic texture.

166.22 End.

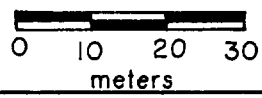
Sturhewell

South

North



- 1 Mafic Volcanic basalt
- 2 Felsic Volcanic tuff
- 3 Chemical Sediments iron formation
- 4 Mafic intrusive gabbro
- 5 Felsic Intrusive syenite



PELE MOUNTAIN RES. INC.
DRILLHOLE SECTION 97-37

Q. Chisholm

DIAMOND DRILLING LOG M97-38

Dip: 44 (53 @ 88m; 52 @141m)

Azimuth: 132 (south grid)

Claim: 1172365

Coordinates: 60 m West & 138m North #2 post 1172345

Date started: May 26, 1997

Date finished: May 26, 1997

Logged by: C.D. Bartlett, B.A.Geologist

Drilled by: Chibougamau Diamond Drilling Ltd.

Core size: NQ (core stored on property)

Total depth: 142.85m

0-6.77 Drill casing

6.77-10.40 Massive mafic flow 1a

Intermed. grey ash layer to mafic massive, few thin clay. alt zones, cut by bands of lapilli tuff and very steep angles, contacts look like slump features; cct veining and blebs intermittent throughout, especially along slump contacts py<1% and dissem. throughout.

@9.43 Silicified zone apx. 15 cm thick.

10.40-30.36 Mafic lapilli tuff 1e

Mafic, slightly foliated; cct veins and blebs, sm. and sparse; py trace to none

@11.59 brecciated slump zones--cct veins with tuff frags, py+po<10%, thick cct + qtz veins. varying degrees of foliation and imbrication and amt of lithic frags.

Zones of hydrothermal alt.--silicified--contacts not sharp and no sulfides.

30.36-46.05 Mafic ash tuff 1e

Intermed.- mafic greyish alt., py in ash is trace to none; zones of py <5% +po <1% along cct+qtz veins, slump features and brecciation of ash within thicker veins.

46.05-48.11 Mafic lapilli tuff 1e

Gradational contact, py trace, minor cct+qtz veins intermittent, color change grey- green and variation in fragment size. Contains 2 bands of qtz+cct and brecciated tuff with thick bands of py+po <1cm.

48.11-58.44 Debris flow 1c

Mafic tuff, brecciated and interbanded with ash tuff, slight foliation, degree of alteration varies; qtz veins xcut and include breccia frags. within; py < 1% in matrix with concentrations along veins and in more chl. zone, cubic in larger qtz vein-- recrystallized; sharp contact with tuff @ 40°; thick cct vein surrounded by graphite at contact.

58.44-66.53 Mafic lapilli tuff 1e

Mafic tuff, slightly foliated, interbedded with brecciated debris flow, color changes with degree of alt., brecciated zones are more chloritized. Sm. shear zones with local py concentrations <1%.

66.53-75.54 Debris flow 1c

As above, note sed. style deformation features in ashy matrix.

75.54-84.30 Mafic lapilli tuff 1e

As above, also several zones with intense cct veining + qtz; py-trace; interbedded with massive mafic layers--flow or ash.
@83.70 Silicified zone +chl, base sheared: 40°, no sulfides.

84.30-86.84 Mafic Syenite 9f

Intermed., altered--chl+epd, hbl phenocrysts with alt plag visible; py-random cubes and in veinlets <1%. Becomes more foliated downhole.

86.84-90.26 Debris flow 1c

Contact with syenite roughly outlined by sulfide concentration; sedimentary style features in ashy matrix, clasts include chert, ash and lapilli tuff frags.

90.26-91.01 Mafic ash tuff 1e

Gradation in grain size to lapilli tuff; py+po <2%; contains late ank+cct blebs.

91.01-94.01 BIF 3a

Interlayered with tuffs--not a continuous unit; py- thick bands containing po <10%, up to cm thick, po+py bands = 2mm.

94.01-98.59 Mafic ash tuff 1e

Lose chert interlayers, slightly magnetic, gradation in grain size to lapilli tuff; cct veins and blebs; py in few thin bands in ash units to dissem. in lapilli tuff <1-2%

98.59-100.00 Mafic lapilli tuff 1e

Brecciated toward contact with syenite; occasional thin cct vein; py-trace.

100.00-101.87 Syenite dyke 9f

Sharp contacts, with alt. hbl and fspar xtls.

101.87-104.41 Mafic ash tuff 1e

Reddish alt. first 10 cm towards contact, brecciated in places, chl., gradation in grain size --lapilli tuff, heavily foliated @55°; cct+qtz veins, reddish alt. surrounding; py-trace amts mostly concentrated along veinlets and contacts.

104.41-108.75 Intermed. Hbl Porphyry 9h

Int. groundmass with hbl + plag phenocrysts, alt. to epd; qtz veins- thin and sparse; py- trace; becomes more foliated downhole.

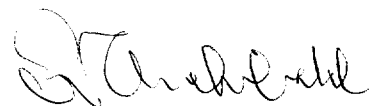
108.75-140.15 Mafic ash tuff 1e

Variation in degree of alt. green to dark grey in color; cct + qtz veins with brecciated tuff in zones and concentrated py, few reddish qtz veins with alt. in to country rock; py-trace amts.

140.15-142.85 Plag. Porphyry 9j

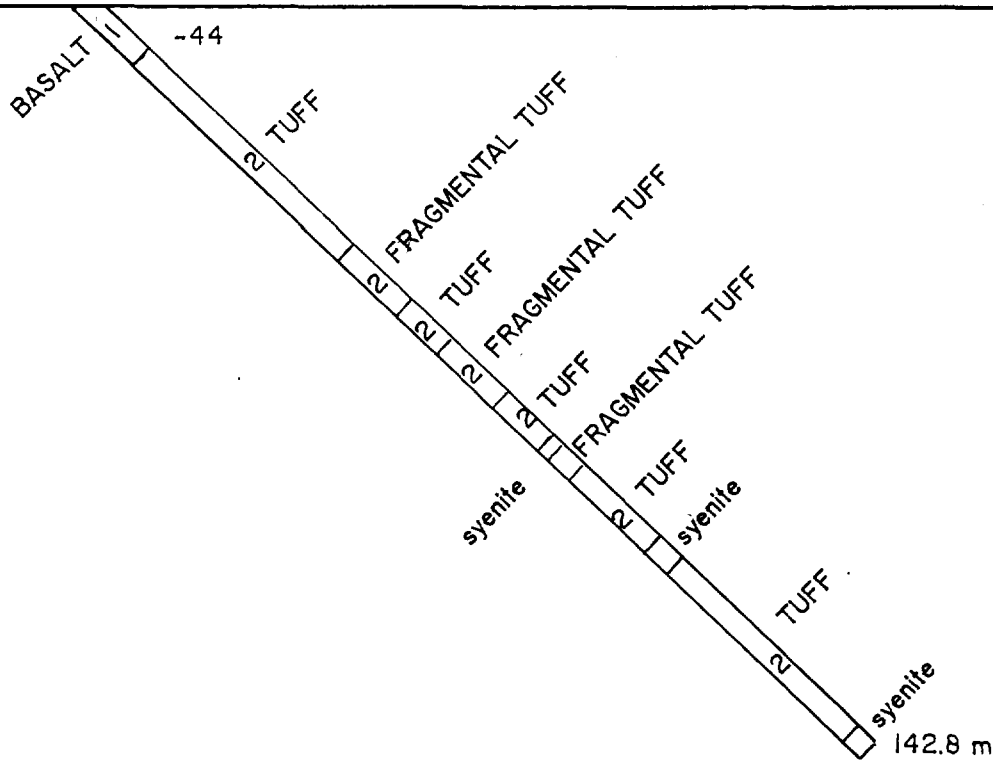
Brecciated contact with ash tuff over 15 cm zone; plag+hbl phenocrysts, alt. slightly, matrix intermed. composition.

142.85 End.

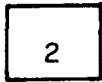
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NORTH

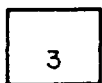
SOUTH



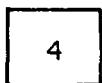
Mafic Volcanic basalt



Felsic Volcanic tuff



Chemical Sediments iron formation



Mafic intrusive gabbro



Felsic Intrusive syenite



PELE MOUNTAIN RES. INC.

DRILLHOLE SECTION 97-38

DIAMOND DRILLHOLE LOG: M97-39

Pele Mountain Resources - Moss Lake Project

Claim # 1172316

Co-ordinates: 89m East & 145m North #3 post Claim 1172346

Azimuth: 132 degrees (south grid)

Dip: 41.5 (52 @ 111.0m)

Date Started: May 25/97

Date Finished: May 25/97

Logged by: Todd A. McMenamy, Geologist

N&C Cole

Total Depth: 111.35m

0-6.64m Drill Casing

6.64-12.03 Intermediate lapilli tuff 2c

int. comp., few cct veins, py - trace, sharp contact with porph. at 40
@10.98-11.13 feldspar porphyry dyke, 1% py dissemin.

12.03-24.19 Mafic ash tuff 1c-1e

Mafic tuff interlayered with BIF 12.03-12.32, locally up to 5% py
Ashy tuff gradational to brecciated tuff with concentrated py up to
5%, sm veins of qtz+cc with py; also thin qtz veins; local areas of
alteration-not significant.

24.19-31.00 Brecciated mafic tuff 1c

Mafic with py trace to 5% locally, small qtz veins, zones of
silicification

31.00-50.97 Massive mafic flow 1a

Fine grained mafic to int. w/ sm layers of lapilli tuff. Cct+qtz
veins; py dissemin. <1%, sharp contact w/ BIF @ 30 .

50.97-58.89 BIF 3a

mgt+py+chert, py<5%, interlayered with (sharp contacts):
@53.90-54.20 mafic porphyry

54.20-54.64 Ash tuff, int. comp.
brecciated zone of BIF and tuff with areas of 5-8% py

58.89-65.26 Mafc Monzonite 9b

intrusive igneous dyke; qtz vein @65.00m with 10-15% py

65.26-66.63 Mafic Syenite 9f

Hornblende phenocrysts, no sulfide visible

66.63-68.55 Plag. Porphyry 9j

Mafic-int., w/ zoned plag. xtls, py <1%, dissem.

@67.61-67.94 BIF interlayered, gradational contacts; up to 20%py in bands.

@67.94-68.35 porph., 68.35-68.55 BIF

68.55-74.95 Mafic Tuff 1c-1e

1-2% py, dissem., qtz clasts, grades to more altered chl+qtz+py (minor)+mgt (minor) ashy-tuff

74.95-77.13 Mafic lapilli tuff 1e

Highly sheared, esp. along contact w/ intrusion

77.13-84.75 Feldspar Porphyry 9j

Mafic-int., contains hb phenocrysts, no sulfides, fspars up to 1-2cm, few cct veins

79.61-80.85 interlayered ashy tuff, chl+trace py, several cherty layers without sulfide. Indistinct contact below with porph.

84.75-98.37 Mafic Tuff 1c-1e

Interlayered ash and lapilli tuffs, varying degrees of brecciation and alteration.

84.75-85.83 Cherty layer, magnetic;

ash contains sm. cct veins and py <1% in matrix and 1-2% in veins.
Foliation varies strongly in brecciated layer: 30 , to weakly in more
ashy units.

98.37-101.12 Plag. Porphyry 9j

Mafic-Int., no sulfides, brecciated in zones, plag alt to epd, some hbl

101.12-103.04 Mafic flow-massive 1a

alternates with prophyry, no py

103.04-107.52 alternation of above units, gradational contacts, trace
amts of py.

107.52-109.34 Mafic Porphyry 9j

phenocrysts of hbl, trace py

109.34-111.35 Mafic tuff breccia 1c

Mafic with cherty areas and blebby py <1%

111.35 END.

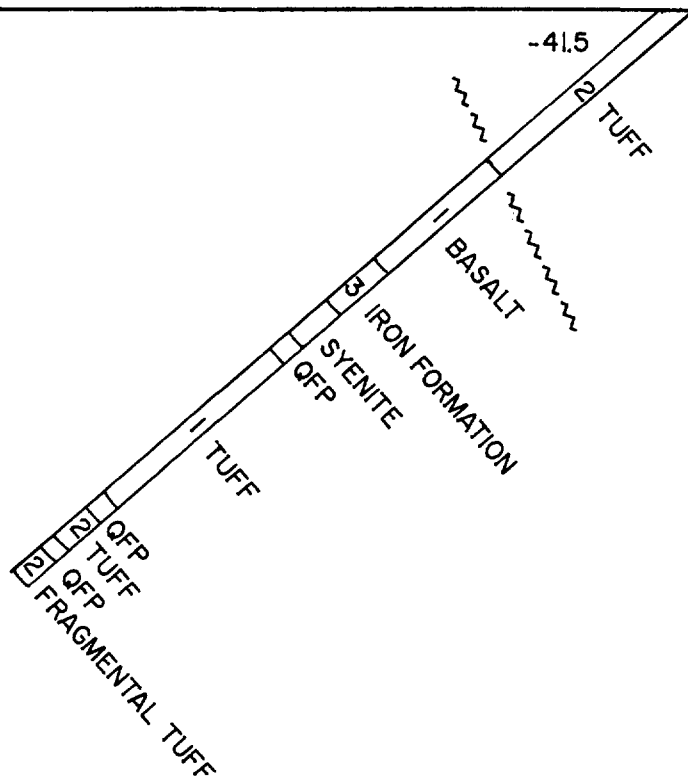
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South

North

111.4m

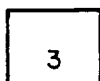
-41.5



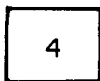
1 Mafic Volcanic basalt



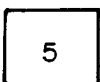
2 Felsic Volcanic tuff



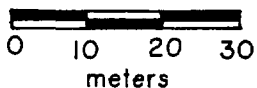
3 Chemical Sediments iron formation



4 Mafic intrusive gabbro



5 Felsic Intrusive syenite



PELE MOUNTAIN RES. INC.
DRILLHOLE SECTION 97-39

DIAMOND DRILLHOLE LOG: M97-40

Pele Mountain Resources - Moss Lake Project

Claim # 1172316

Co-ordinates: 178m North & 185m East of #3 of 1172346

Azimuth: 132 degrees (south grid)

Dip: -45, -43.5 (54 @ 75m, 52.5 @ 141m)

Date Started: May 26/97

Date Finished: May 26/97

Logged by: Cindy D. Bartlett, Geologist

NQ CORE SIZE

Total Depth: 141.28m

0-2.65m Drill Casing

2.65-5.23 Mafic Ash Tuff 1a-1e

Mafic tuffaceous, massive ash, brecciated in discrete zones with cct veins and (reddish-green)

cherty layers. Py-fine grained, disseminated, <1-2% along clast contacts

5.23-6.26 Plag. Porphyry 9j

Mafic matrix, plag crystals alt. to epd.; xtls < 1cm

Py - trace dissem. and concentrated <1% along cct+qtz xcut veins

Thick qtz vein 1cm at contact with above tuff

6.26-6.86 Syenite Dyke 9f

Intmd. comp.; bleached and alt. to epd.

6.86-34.63 Plag. Porphyry 9j

As above; Py - trace, grades into more massive, less porph. zones and back to porph. at contact is

foliated, few phenocrysts.

@24.69-25.39 weakly magnetic

34.63-48.18 Mafic Ash Tuff 1a-1e

Dark, massive & slightly sheared with many Qtz+cct veins. More alt. & sheared, chloritized

zones contain Py- trace to <1% concentrated along veins also cubes present-rextlzd

Grades from ash to lapilli sized frags

Contact: 45

48.18-51.31 Kspar Porphyry 9j

Mafic matrix with 1cm kspar xtls. Py - trace amts. and small concentrations--blebs

51.31-73.54 Mafic Ash Tuff 1a-1e

Chloritized, sheared and folded (soft sed type), brecciated with chert (red) bands and clasts, cct

veins with trace py. Weakly magnetic.

Large, xcut Ankerite vein (no sulfides)

@65.54-66.08 Tuff (less fine grained)-Black visible hbl+plag+chl, random thin cct veins

Chl. xtls <0.5cm, oriented along foliation

Grades back to green tuff, sheared and thick Qtz+cct vein with py, and Py+po in few thin bands

above vein, also chert clasts in brecciated zones: sulfides incrs. apx. 70cm above the vein

73.54-75.12 Plag. Porph 9j

Sharp contact with above at 45 , slightly alt. xtls <1cm, aphanitic-int. mafic matrix

75.12-109.49 Mafic Tuff with massive mafic flows 1e-1a

Alternating interlayered black and green ash units, as described above, Py only in sheared and alt. units: <1%.

@99.91 Lapilli tuff: mafic, also altered but py amt is trace to none

@102.05 Ash + Chert--brecciated and sheared, thick Py veins

<0.5cm. Thin layers of lapilli tuff

109.49-110.01 BIF 3a

1cm bands Mgt+Py+Po: sulfides <3% at 65-70

110.01-114.43 Mafic massive flow and mafic tuff 1a-1e

Black, massive ash, py: 1-2% along veins (late) grades in to green, alt lapilli tuff @113.07 and many qtz veins with py <1%.

114.43-117.93 BIF 3a Au bearing

Fragmented ash layers with mgt+py+po, thick qtz veins and clasts + translucent qtz. Interlayered

with green, alt., sheared ash also with qtz+cct veins

Py-cubic (rextlzd) and dissem., concentrated along veins <5%, grades down to <2% @114.77-

115.69. Py increases to 4-5%, Po <3-4% both concentrated in thick qtz veins, Au bearing--very

fine, few flecks--visible 116.46-117.09m.

117.93-141.28 Mafic ash tuff 1a-1e

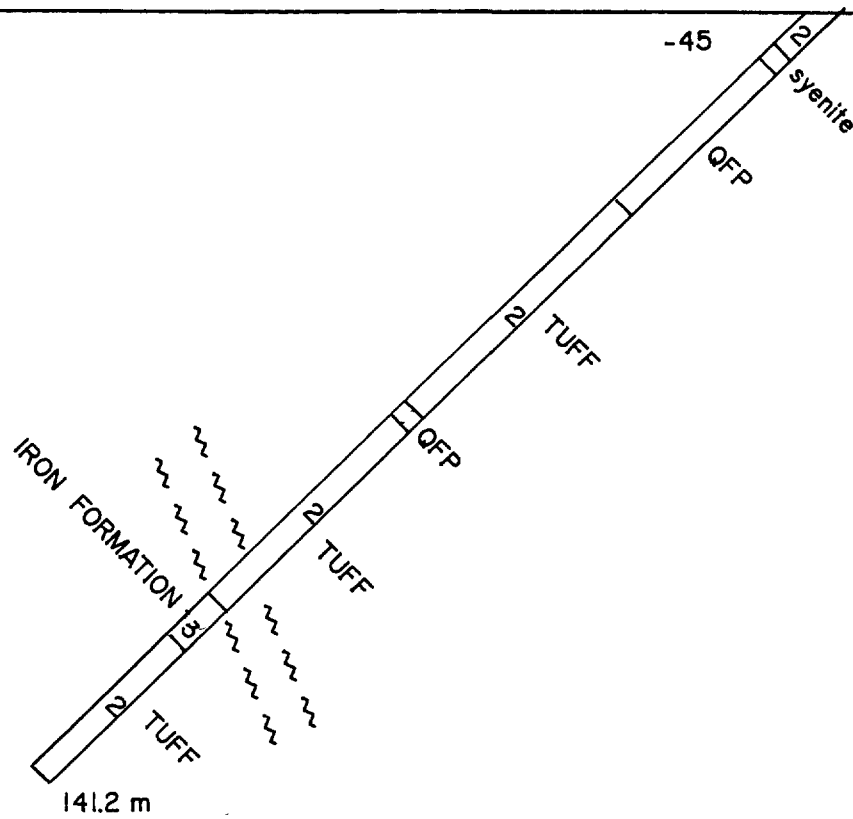
Mafic, massive tuffaceous ash, py trace to none, few, intermittent cc veins and blebs.

141.28 END.

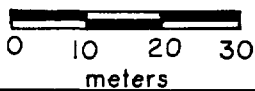
QA whilubb

South

North



- 1 Mafic Volcanic basalt
- 2 Felsic Volcanic tuff
- 3 Chemical Sediments iron formation
- 4 Mafic intrusive gabbro
- 5 Felsic Intrusive syenite



PELE MOUNTAIN RES. INC.
DRILLHOLE SECTION 97-40

DIAMOND DRILLING LOG M97-41

Dip: (43.5 @ 72m, 41.5 @ 153m)

Azimuth: 132 (south grid)

Claim: 1172316

Coordinates: 240m East & 132 m North of #3 post claim 1172346

Date started: May 28, 1997

Date finished: May 29, 1997

Logged by: C.D. Bartlett, B.A. Geologist

Drilled by: Chibougamau Diamond Drilling Ltd.

Core size: HQ (core stored on property)

Total depth: 153.43m

0-3.15 Drill casing

3.15-5.63 Massive mafic flow 1a

Thin xcutting cct veins; Py-trace amts in veins
slightly sheared contact, py concentrated <2% along contact in
cct+qtz vein

5.63-17.22 Mafic lapilli tuff 1e

Thin cct veins & blebs <1 cm; Py concentrations in more alt., chl. tuff
<5%

@11.47 Albitized tuff, blue qtz overgrowths, Py+Po <1%, very fine,
dissem.

@12.47 Py localized concentrations in sm. blebs <1cm

@15.33-15.60 Change to lapilli sized frags., blue qtz overgrowths +
Ab present + minor sulfides in alt. zone w/ hbl laths

17.22-29.20 Mafic ash tuff 1e

alternating with Mafic porphyry (hbl) 9h

Sheared ash, chloritized, thick qtz veins, contact w/ porph. 60-65
degrees,

Py+po < 5% along contact, otherwise sulfides dissem. throughout <1%
contains chert and Albitized zones w/ cct & qtz blebs

@24.94 Hbl porph. (lamprophyre) altered--chl., slightly foliated,

thin cct veins at 20 degrees, py trace amts.

@ 25.57 Ash tuff

@25.81 Mafic porph.

@26.16 Ash tuff

@26.80 Mafic porph.

@27.81 Shear zone--clayey, apx. 60 degrees: ash + chert clasts

@28.20 Mafic porph.

29.20-42.20 Mafic ash tuff 1e

Sheared and brecciated in places, changes grain size to lapilli frags., cct+qtz veining pervasive and also cherty in places--silicified and albitized zones; sulfides along veins and along shear planes 40-45 degrees, changes down hole to 20 degrees, Py<1%, dissemin.; blue qtz w/in shear planes (not overgrowths) many zones w/ late hbl laths.

Grades to lapilli tuff down hole

42.20-49.87 BIF 3a

interlayered with lapilli tuffs 1e

Thin mgt bands with opaque-translucent chert bands, chert also as clasts; po+py bands <2cm thick and fine grained, overall <5-7% within BIF unit, py is oxidized and appears bright yellow, po is about 2x py content; bn, cpy in trace amts. Intermixed ash units are heavily sheared and contain blue qtz overgrowths.

49.87-58.82 Mafic lapilli tuff 1c

Heavily foliated, py trace amts, slightly magnetic, cct veining and blebs apx. 10-30 degrees, alt. zones parallel to core axis: half green, half black--corresponding with cct veins. Gradation to ash tuff and back to lapilli sized frags.

@54.14-54.86 BIF py<4-5%, po more dissemin., contacts w/ tuff 60 degrees.

@55.88 tuff, xcutting cct+qtz veins

58.82-60.22 Brecciated mafic ash tuff 1e

Brecciated tuff, chl clasts, gradation from ash to lapilli tuffs; sheared, ashy matrix; contains blue and white qtz clasts and veins; py+po in localized concentrations and mostly fine and disseminated.

60.22-83.24 Mafic ash tuff 1e

Py sm. local accumulations, assoc. w/ qtz veins: overall <1%; cct veins and blebs vary in intensity and frequency--from very few to concentrated zones at 30 degrees which include brecciated ash frags and semi-translucent qtz. Py veins and accum. up to 2%; Blue qtz overgrowths present.

Tuff contains few thin cherty layers--slightly magnetic, with little py and po.

Grades to lapilli tuff towards contact with BIF.

83.24-87.71 BIF 3a

interlayered with mafic ash tuff 1e

Thick qtz bands including translucent qtz bands, inclusion of thick chl. ash; thick po+py bands up to 5%, vuggy cct + qtz veins.

@86.55 thin ash layer with cct veins and slightly foliated, light grey-alt with py concentrated along veins <2%.

87.71-89.64 Syenite dyke 9f

Mafic syenite w/ hbl laths+ksp+plag; plag in late veins with cct+qtz--blebs and thin veins; sharp contacts with ash at 45 degrees.

89.64-92.83 Mafic ash tuff 1e

As above except more veining and brecciated ash within veins. Grades to lapilli tuff.

92.83-106.51 BIF 3a interbedded with mafic ash tuff 1e

Chert and mgt bands <1cm thick; ash interbeds are brecciated and heavily veined by cct--xcutting 2-3 cm width; qtz veins xcutting at

very oblique angle, contain translucent qtz; py concentrated in xcutting veins and along boundaries of clasts, contacts between layers, py+po <1% overall; BIF contains few 10-20 cm very green, chl. ash layers; grades in to brecciated ash with thin BIF interlayers, heavily foliated @ 70°.

@105.03 Albitized zone with recrystallized kspar

@105.25 BIF

106.51-110.96 Brecciated mafic lapilli tuff 1c

Tuff fragments--lapilli and ash--with shearing and folding in tuff matrix between clasts; indistinct contacts with BIF interlayers. Trace sulfides.

110.96-115.03 Mafic lapilli tuff 1e

Heavily foliated with intermittent, wide cct veins <3cm @65-70°; py very fine and dissem.

115.03-120.92 Brecciated mafic lapilli tuff 1c

Chloritized and brecciated, varying degrees of alteration, cct blebs and veins, chert clasts; slightly magnetic; py <1% assoc. with more Si rich areas.

120.92-127.47 Mafic lapilli tuff 1e

As above.

127.47-130.67 Massive mafic flow 1a + mafic ash tuff 1e

As described above.

130.67-133.78 BIF 3a

Banding @60-70°, chert layer include semi-translucent qt, possibly secondary veins at oblique angle--defined by py; contains sheared <10cm bands of black tuff, shearing @60°; po+py fine grained concentrations in bands <2.5 cm thick, 10-12% of BIF zone.

133.78-136.84 Mafic ash tuff 1e interbedded with BIF 3a

Dark grey, silicified and magnetic; cct veins along foliation and xcutting; py very fine and disseminated with local accumulations in veins <2%. Indistinct contacts with BIF interlayers. Heavy po+py concentration up to 10-15%; chert and ash brecciated and only banded in places, thin magnetite bands; translucent quartz as above. Shearing and slight offsetting of layers common.

136.84-151.29 Mafic lapilli tuff 1e

Sheared lapilli tuff, alt. varies; cct + quartz veining mostly along foliation @60°, zone xcutting, variation in intensity of veining: 10 cm zone intensely veined with brecciated tuff frags.; maintain thick po+py bands <10%: all sheared @60-70°. Blue quartz overgrowths also present.

151.29-153.43 Brecciated mafic lapilli tuff 1c

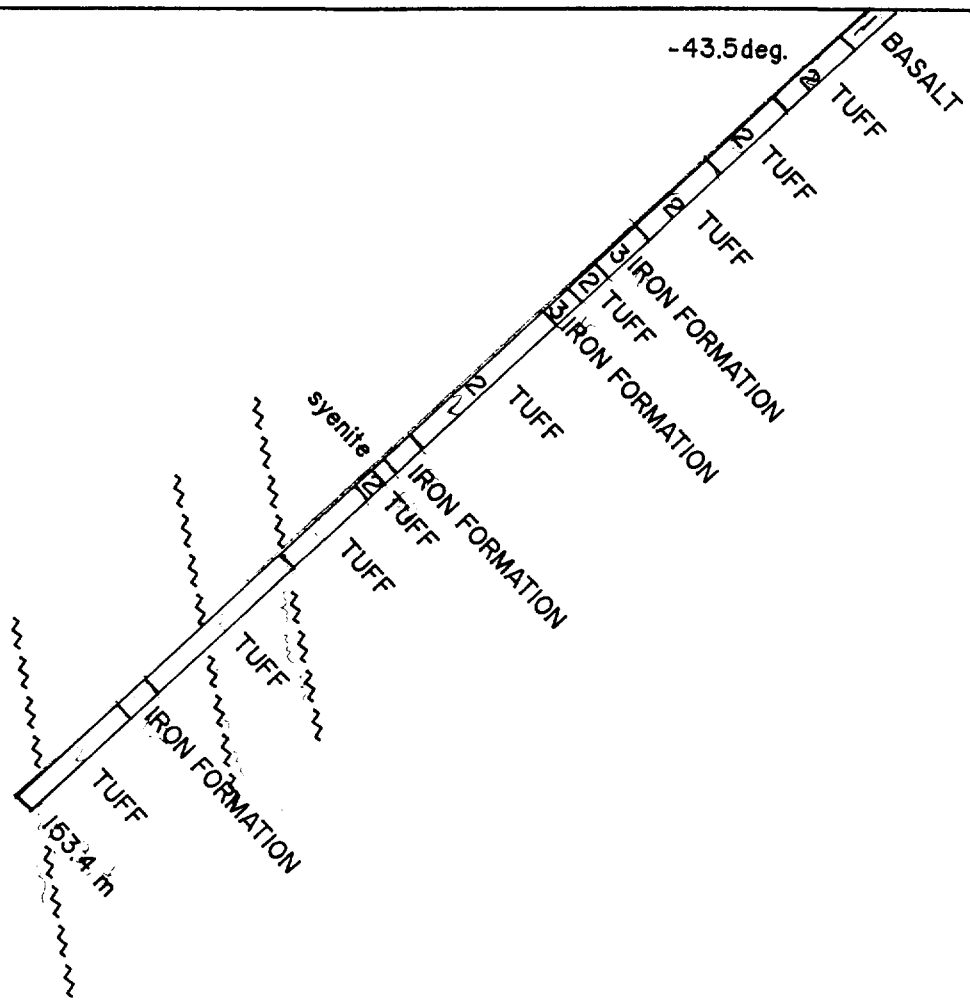
Sheared @70°, brecciated, and chloritized tuff; scarce cct + quartz veining @20°; py concentrated in veins <1%.

153.43 End.

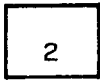


South

North



Mafic Volcanic basalt



Felsic Volcanic tuff



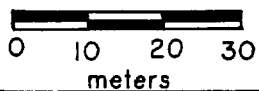
Chemical Sediments iron formation



Mafic intrusive gabbro



Felsic Intrusive syenite



PELE MOUNTAIN RES. INC.

DRILLHOLE SECTION 97-41

Handwritten signature

DIAMOND DRILLING LOG M97-42

Dip: 42 , 41 (41 @ 75m & 185m)

Azimuth: 132 (south grid)

Claim - 1172346

Coordinates: 100m South & 80 meters East post #4-claim 1172346

Date started: 5-28-97

Date finished: 5-29-97

Logged by: T.D. Zeman, B.Sc. Geologist

Drilled by: Chibougamau Diamond Drilling Ltd.

Core size: NQ (core stored on property)

Total depth: 183.62m

0-9.66 Drill Casing

9.66-10.47 Debris flow 1c

Lahar with py blebs 1%, few cct blebs, no qtz veining.

10.47-26.85 Mafic lapilli tuff 1e

Interbedded lapilli and ash tuffs; minimal qtz stringers, few larger qtz veins with assoc. py; trace - 1% py, trace cpy, some cct. in tuff.

26.85-27.96 Granodiorite-gabbro 5a-5b

Fairly sharp contact at 63°; sulfides trace - none.

27.96-85.80 Debris flow 1c interlayered with Mafic tuff 1e

Sheared tuffs and lahar with minimal py., vary cct veining and blebs; sulfides concentrated along veins and shear planes:

@29.41-31.21 Felsic tuff; py-trace

@33.63-34.22 rel. undeformed tuff

@34.22 tuffs with ank blebs, blue qtz overgrowths; py dissem. but with local concentrations 1-5%, po bands up to 5%

@39.90-44.29 Sheared tuff with 1-2% py, 50°

@46.66-47.06 finer grained, sheared, massive mafic volc., 2-3% py

@54.56 shear plane with tellurides (?); 1% py, cct blebs, blue qtz

@61.76 Chl. in veins with py <10%

Few chert veins-reddish alt. haloes and little py

@64.48 graphite in qtz vein, tuff layer

@70.48 Lahar, sheared with qtz veining and blebs, little cct, 40-55°

@79.62 Tuff with alternating zones of more mafic to intermed., variation in cct blebs down hole, qtz veins with chl. and py dissem. throughout in trace amts.

Few silicified zones of tuff

85.80-86.22 Mafic syenite dyke 9f

Contacts at 50°, trace - 1% py.

86.22-96.00 Mafic ash tuff 1e

As above, with intermittent silicified zones, greenish alt., py on fracture planes at 40°.

@91.34-95.24 Sheared ash, highly chloritized, with epd blebs, trace to 1% py.

95.24-95.71 silicified-cherty ash, greenish color.

96.00-98.61 Fspar porphyry 9j

Zoned fspars, green to pink in color (epd), in grey matrix; 1-2% py in blebs.

98.61-148.30 Mafic tuffs 1e interlayered with massive mafic flows 1a

Tuff, inconsistent albitization, minimal qtz veins and blebs; trace to none - py. Few chert zones, greenish in color, tuff is lighter in color. Intermittent cct veins and blebs. Sulfide content varies from py 1-2% to 5%.

@105.90-110.30 fracture zones with serp. mineral and cct, slickensides @20°.

Continue ash tuff, qtz vein 10cm wide, 50°. Trace po. Gradation into "swirly" tuff--sheared and folded, up to 5% py

@119.23 tuff with 15-20% py, trace cpy, 1-2% po, blue qtz present.

148.30-149.08 Hbl porphyry 9h

Lower portion is albitized, weakly magnetic upper half, trace - 1%py.

149.08-161.62 Mafic ash tuff 1e + Brecciated mafic tuffs 1c

Pinkish to greenish chert, minimal qtz veining, cct blebs throughout; sheared zones 50°; local blebs and veinlets of py, up to 1% background and 5% locally.

@160.53 Brecciated ash tuff, chloritized with ash and porphyry frags. in cct + qtz veins; py <10%, very fine and dissem. along wide bands and in sm. blebs of local accumulations. Chert/qtz and cct blebs throughout, not brecciated, more massive with fewer sulfides <2%

@161.32 Greenish brecciated ash tuff with sulfides <5%

161.62-167.52 Hbl porphyry 9h

gradational contact--contains brecciated ash frags, heavily alt., epd+reddish chert along clast contacts; py-scarce; oblique contact with silicified, massive ash with porph frags.

@164.92 Py dissem., <1-2% also concentrated in thin qtz and cct veins

@ 167.02 color change from reddish to green, plag phenocrysts are alt. to epd.

167.52-169.48 Mafic ash tuff 1e

Lapilli and ash tuffs, ank along veins and blebs, thin blue qtz veins and blebs-- xcutting. 1-5% py, trace cpy, silidified in areas.

169.48-170.36 Hbl porphyry 9h

cct veins @ 20°.

170.36-177.59 Mafic ash tuff 1e

Silicified zones and brecciated zones where veining intensifies, more py in non-silicified areas, veinlets up to 3-5%; cct blebs and blue qtz blebs present; shear @ 50°.

177.59-183.62 Brecciated mafic tuff 1c

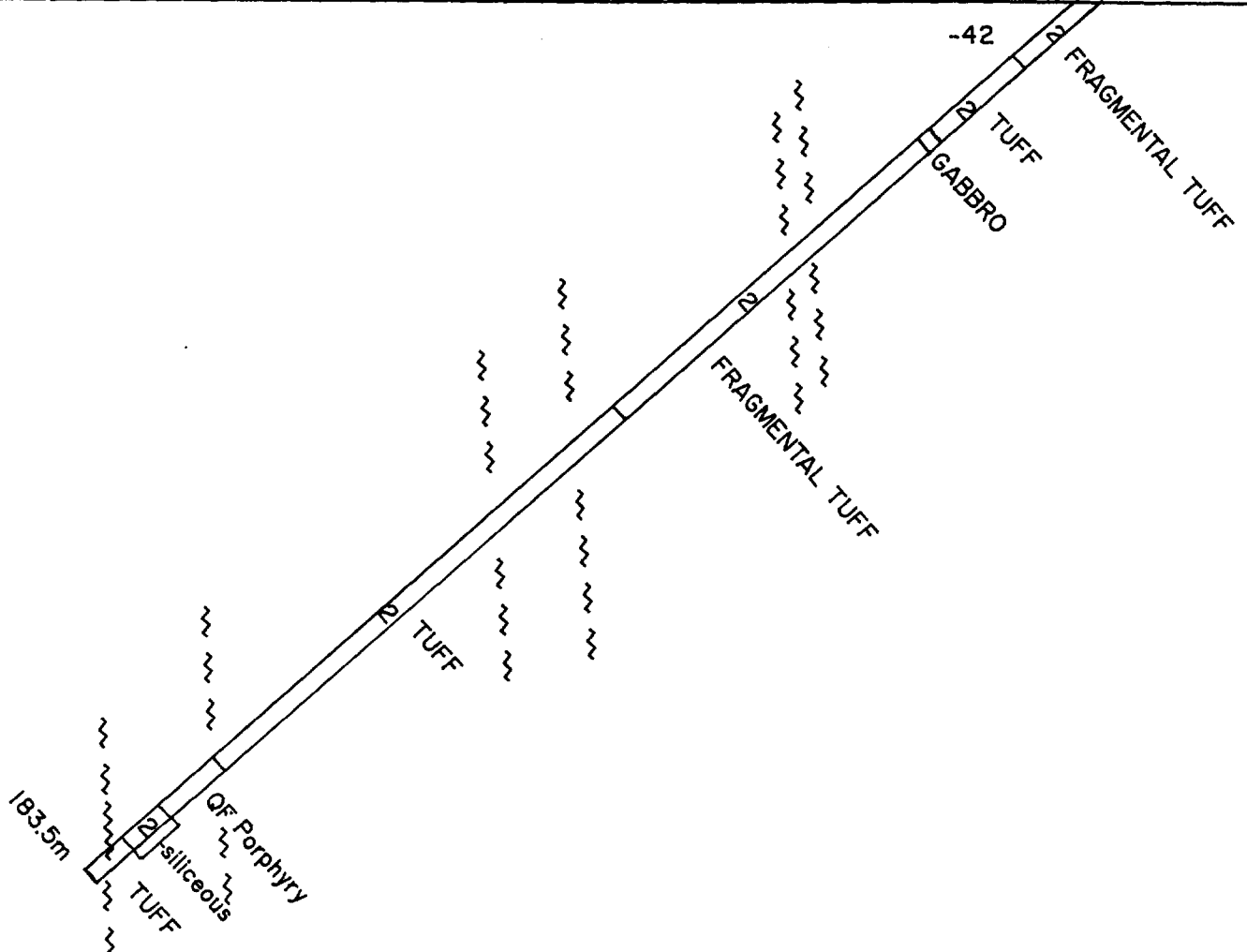
Tuff and chert frags., very alt., 5-7% py, few thick qtz veins @70°

183.62 End.

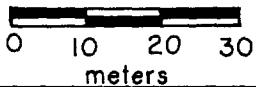


South

North



- 1 Mafic Volcanic basalt
- 2 Felsic Volcanic tuff
- 3 Chemical Sediments iron formation
- 4 Mafic intrusive gabbro
- 5 Felsic Intrusive syenite



PELE MOUNTAIN RES. INC.
 DRILLHOLE SECTION 97-42

J. Archibald

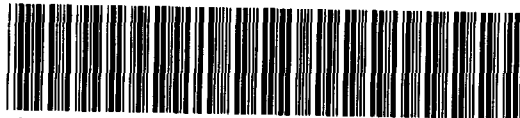


Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use) W9740-678
Assessment Files Research Imaging

Personal information or Mining Act, the informa Questions about this 933 Ramsey Lake Roa



52B10SW0034 2.17592 MOSS

66(3) of the Mining Act. Under section 8 of the rk and correspond with the mining land holder. lorthern Development and Mines, 6th Floor,

Instructions: - F
- Please type or print in ink.

900 use form 0240.

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

2.17592

Name PELE MOUNTAIN RES. INC.	Client Number 302937
Address 20 RICHMOND ST. E. SUITE 212 TORONTO, ONTARIO M5C 2Z4	Telephone Number 416-656 1367
	Fax Number 416-368 7230
Name 1200157 ONT. INC.	Client Number 302464
Address 20 RICHMOND ST. E SUITE 212 TORONTO, ONTARIO	Telephone Number 416-656 1367
	Fax Number 416-368 7230

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

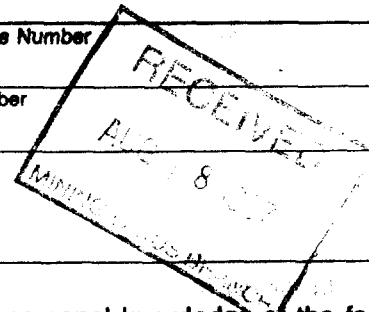
Geotechnical: prospecting, surveys, assays and work under section 18 (regs) Physical: drilling, stripping, trenching and associated assays Rehabilitation

Work Type DIAMONDS DRILLING (97-33 TO 97-42)	Office Use
	Commodity
	Total \$ Value of Work Claimed \$ 70,703
Dates Work Performed From 25 Day 05 Month 97 Year To 29 Day 05 Month 97 Year	NTS Reference
Global Positioning System Data (if available)	Mining Division
Township/Area MOSS TOWNSHIP	Resident Geologist District
M or G-Plan Number G 676	

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

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

Name F.T. ARCHIBALD	Telephone Number 905-660 0501
Address 668 MILLWAY AVE. UNIT 15, ^{CANADA} ONT.	Fax Number 905-660 7143
Name L4K13V2	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number



4. Certification by Recorded Holder or Agent

I, FREDERICK T. ARCHIBALD (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent 	Date JUNE 5, 1997
Agent's Address 668 MILLWAY AVE UNIT 15	Telephone Number 905-660 0501
	Fax Number 905-660 7143

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

pg 1 of 3

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$4,892	\$4,000	0	\$4,892
1 1172315	1	13,109	---	13,109	
2 1172346	1	30,510	---	30,510	
3 1172345	1	7,380	---	7,380	
4 1172365	1	19,704	---	19,704	
5 1196147	4	---	700	---	
6 1196870	12	---	4800	---	
7 1196921	4	---	1456	---	
8 1196923	1	---	351	---	
9 1196924	1	---	364	---	
10 1202302	6	---	2184	---	
11 1202303	2	---	800	---	
12 1202304	4	---	1600	---	
13 1202306	11	---	4400	---	
14 1205201	1	---	400	---	
15 1209440	2	---	800	---	
Column Totals		70,703		70,703	

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

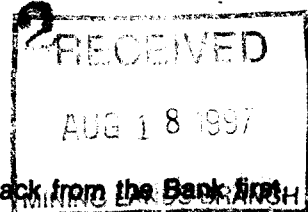
Signature of Recorded Holder or Agent Authorized in Writing: F. Alhibald Date: JUNE 5, 1997

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

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

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

2.17592



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

For Office Use Only

Received Stamp RECEIVED JUN - 5 1997 Mining Division Thunder Bay	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)		

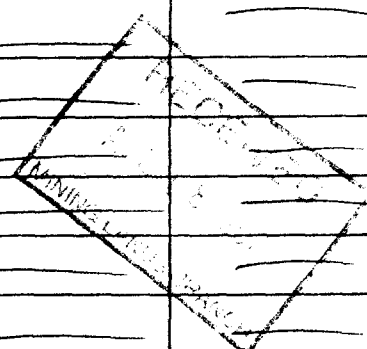
Pg 2 of 3

JUN - 5 1997

Thunder Bay Mining Division

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land	Value of work applied to this claim	Value of work assigned to other mining claims	Bank. Value of work to be distributed at a future date
16	1209441	2	—	800	—
17	1209697	1	—	400	—
18	1209698	10	—	4000	—
19	1209761	15	—	6000	—
20	1209762	15	—	6000	—
21	1209770	2 800	—	800	—
22	1210239	1	—	400	—
23	1210240	1	—	400	—
24	1210243	2	—	800	—
25	1210245	3	—	1200	—
26	1210776	3	—	1200	—
27	1210790	9	—	3600	—
28	1210791	8 800	—	3200	—
29	1215148	1	—	400	—
30	1215149	2	—	800	—
31	1215450	2	—	800	—
32	1215751	1	—	400	—
33	1215752	4	—	1600	—
34	1215859	2	—	800	—
35	786521 ✓	1	—	800	—
36	786522	1	—	800	—
37	786523	1	—	800	—
38	786524	1	—	800	—
39	786525	1	—	800	—
40	786526	1	—	800	—
41	786527	1	—	800	—
42	786528	1	—	800	—
43	786529	1	—	800	—
44	786541	1	—	800	—
45	786542	1	—	800	—
46	786543	1	—	800	—
47	786544	1	—	800	—
48	786545	1	—	800	—
49	813157	1	—	800	—
50	813158	1	—	800	—
Column Totals					

2.17592



PG 3 of 3

Numéro de claim. Si les travaux ont été exécutés sur d'autres terrains miniers admissibles, indiquez dans cette colonne le numéro d'emplacement figurant sur la carte des claims.		Nombre d'unités Pour les autres terrains miniers, indiquez le nombre d'hectares.	Valeur des travaux exécutés sur ce claim ou sur d'autres terrains miniers	Valeur des travaux appliquée à ce claim	Valeur des travaux affectée à d'autres claims	Réserve. Valeur des travaux qui seront répartis à une date ultérieure.
S1	813159	1	—	800		
S2	813160	1	—	800		
S3	813161	1	—	800		
S4	813162	1	—	800		
S5	813163	1	—	800		
S6	813164	1	—	800		
S7	813165	1	—	800		
S8	813166	1	—	800		
S9	1209440	2	—	48		
				2.17592		
Total des colonnes			70,703	70,703	70,703	—

RECEIVED
 JUN 16 1997
 MINING DIVISION

RECEIVED
 JUN - 4 1997
 Mining Division
 Thunder Bay

September 23, 1997

PELE MOUNTAIN RESOURCES INC.
20 RICHMOND ST. E.
SUITE 212
TORONTO, ONTARIO
M5C-2Z4

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

Telephone: (888) 415-9846
Fax: (705) 670-5863

Dear Sir or Madam:

Submission Number: 2.17592

Status

Subject: Transaction Number(s): W9740.00678 Approval

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

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

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

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at beneteau_s@torv05.ndm.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,



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

Work Report Assessment Results

Submission Number: 2.17592

Date Correspondence Sent: September 23, 1997

Assessor: Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9740.00678	1172315	MOSS	Approval	September 23, 1997

Section:
16 Drilling PDRILL

Correspondence to:

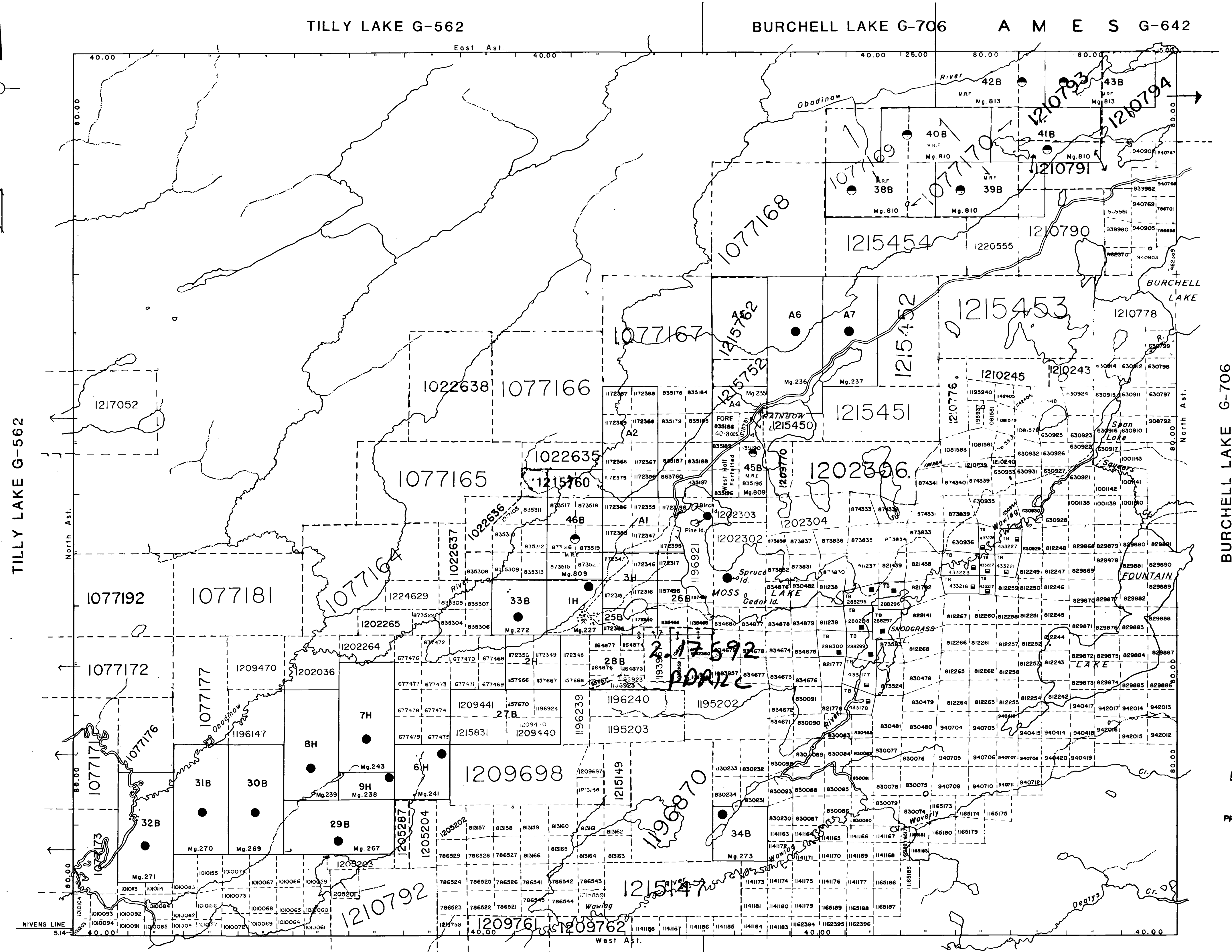
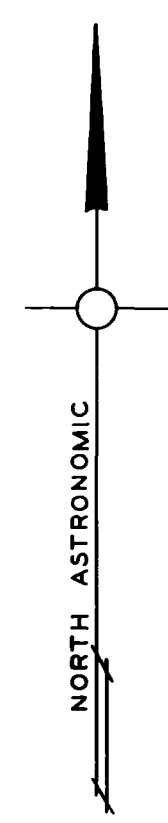
Resident Geologist
Thunder Bay, ON

Assessment Files Library
Sudbury, ON

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

F. T. Archibald
CONCORD, ONTARIO, CANADA

PELE MOUNTAIN RESOURCES INC.
TORONTO, ONTARIO



NOTICE:
The information that appears on this map has been compiled from various sources, and accuracy is not guaranteed. Those wishing to stake mining claims should consult with the Mining Recorder, Ministry of Northern Development and Mines. For additional information on the status of the lands shown on this map, contact the Mining Recorder.

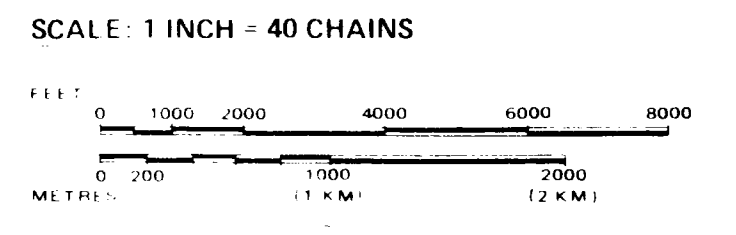
LEGEND

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

DISPOSITION OF CROWN LANDS

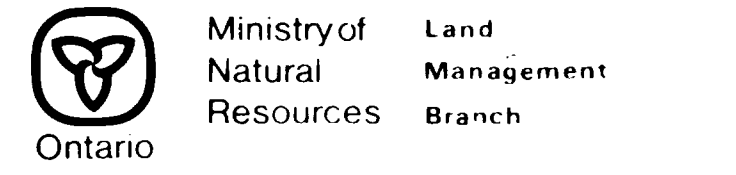
TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	○
LEASE SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	■
" MINING RIGHTS ONLY	■
LICENCE OF OCCUPATION	▼
ORDER IN COUNCIL	OC
RESERVATION	○
CANCELLED	○
SAND & GRAVEL	○
COMMERCIAL TOURISM OUTPOST CAMPS	○

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



DATE OF ISSUE
SEP 24 1987
PROVINCIAL RECORDING
OFFICE - SUDBURY

TOWNSHIP
MOSS
M.N.R. ADMINISTRATIVE DISTRICT
THUNDER BAY
MINING DIVISION
THUNDER BAY
LAND TITLES / REGISTRY DIVISION
THUNDER BAY



Date MARCH 1982
In Service Sep. 27/94.
Number
G-676