Battle Mountain Gold

DIAMOND DRILL LOG

PROPERTY: MAHONEY CREEK 507
HOLE No.: MC96-9
Collar Eastings: 5337.00
Collar Northings: 8800.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -45.00
Grid Bearing: 180.00
Final Depth: 326.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: SEPT 23-28,1996
Down-hole Survey: ACID
Dates Logged Sept 26- 28, 1996

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0.0	38.0	Overburden Casing, overburden, boulders.					
38.0	51.0	(2a, wser, cal, fol) **Mafic Flows** Fine grained, medium green with local pale green possibly sericitized and carbonatized calcite bands. Unit is moderately foliated. Limonite stained on fractures.					
51.0	54.3	(1d, fol) **Porphyritic Dyke** Medium grained, grey with pheoncrysts of feldspar to 2mm. Unit is well foliated. Minor pyrite as cubes to 4mm.					
54.3	74.1	(2b, m ser, cal, ank, py) **Mafic Flows** Fine grained, light grey with slight greenish undercast. Unit is well foliated with weak to locally moderate sericite. Pervasively carbonatized with calcite possible ankerite locally. Quartz veins are small white "bullish" in nature 80 degrees to core axis. Lower section of unit maybe pillowed with selvages marked by pale grey zones with "feldspar" phenocrysts. Sulfides are pyrite and minor pyrrhotite as infrequent fine veinlets. Whole rock 3401 at 169.5 meters. Foliation 80 degrees to core axis.					
74.1	77.5	(7d, fol) **Felsic Intrusive** Medium grained, medium grey well foliated. Quartz phenocrysts are small 1mm in general increasing to 1-2mm at lower contact. Fine disseminated pyrite <1%.	11501	76.00	77.50	1.50	0.02
77.5	84.4	(2b, chl, py, po, sph, cpy, cal) **Mafic Flows** Fine grained, medium to dark green, moderately foliated, well mineralized. Unit contains 5-15% sulfides as pyrite, pyrrhotite, sphalerite and chalcopyrite in decreasing order. Pyrite is generally disseminated, fine cubes to local veinlets,	11502	77.50	78.50	1.00	0.02
			11503	78.50	80.00	1.50	0.02
			11504	80.00	81.50	1.50	0.02
			11505	81.50	83.00	1.50	0.02
			11506	83.00	84.40	1.40	0.02

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	ASSAYS TO	WIDTH	Au g/t
		pyrrhotite as fine veinlets, sphalerite as fine infrequent veinlets and chalcopyrite as small blotches. Unit is chloritized and has possible chloritic pillow selvages. Calcite occurs as veins small <5% quartz as dark veins with tourmaline (black)?? Whole rock 78.6-8% sulfides.					
84.4	87.2	(7d, fol) **Felsic Intrusive** Medium grained, dark grey highly foliated 78 degrees to core axis. Weakly mineralized with fine disseminations of pyrite.	11507 11508	84.40 86.00	86.00 87.20	1.60 1.20	0.07 0.02
87.2	193.8	(2b?, cal, m ser, po, py) **Mafic Flows** Fine grained, medium green with local pale weak to moderate sericite, pervasive calcite carbonatization. Selvages are marked by chlorite with weak mineralization. Veins of pyrrhotite to 2cm in width occur from 87.2 to 110.2 meters, with minor chalcopyrite, these veins occur at 2-5 meter intervals 80 degrees to core axis. Flows are still well foliated at 78 degrees to core axis. Pyrite is disseminated throughout with minor veinlets in foliation's. Sphalerite is infrequent as small veinlets-very infrequent. Small felsic dyke from 118.0-119.0 meters, feldspar. Whole rock 117M. The foliation and sericite carbonate alteration has created what could be classed as laminations in a greywacke to argillite sediment. The pyrite "beds" are probably primary but could have been introduced with the alteration. Although it is felt that the porphyritic sections are felsic intrusives highly foliated and sericitized, they could also be coarser grained greywacke beds as at 120.8-123.0, 128.5-130.6. 147.5-150.4: Numerous pyrite veinlets or layers 0.2cm to 0.5cm in foliation at 82 degrees to core axis. Pyrite 3-5%. 166.8-172.0: Pyrite zone as above 2-3% pyrite. 179.1-183.1: Felsic as above well foliated and carbonatized grey with quartz pheno's. 184.3-193.8- **Pyritic Horizon** Fine grained, weakly sericitized highly foliated with pyrite as disseminations and veinlets of fine/coarse grains to 2cm wide. Lower contact is at 45 degrees to core axis and	11509 11510 11511 11512 11513 11514 11515 11516 11517 11518 11519 11520 11521 11522	87.20 147.50 149.00 166.80 168.00 169.00 170.50 184.30 185.30 186.50 188.00 189.50 191.00 192.50	88.60 149.00 150.40 168.00 169.00 170.50 172.00 185.30 186.50 188.00 189.50 191.00 192.50 193.80	1.40 1.50 1.40 1.20 1.00 1.50 1.50 1.00 1.20 1.50 1.50 1.50 1.50 1.30	0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS WIDTH	ASSAYS Au g/t
		contorted.					
193.8	197.3	(5f, sil, py) **Graphitic/Pyritic Horizon** Fine grained, black graphitic argillite with pyrite as spherules and clusters to locally massive pyrite totalling 15-60%. The unit is silicified and contains 5% veins of quartz.	11523 11524 11525	193.80 195.00 196.50	195.00 196.50 197.30	1.20 1.50 0.80	0.11 0.19 1.10
197.3	204.9	(Quartz Vein/2a) **Quartz/Mafic Flow Zone** Fine grained, highly altered sericitized carbonated mafics with quartz veining. The zone is 70% quartz with a continuous vein from 198.7-201.7: The quartz vein contains 1-5% sulfides as pyrite and lesser pyrrhotite. 197.3-198.7: Flow 5% quartz, 3-5% pyrite. 198.7-201.7: Quartz vein, 1-5% pyrite/pyrrhotite. 201.7-204.9: Sericitized flow with 10% quartz veining and 3-5% pyrite, pyrrhotite.	11526 11527 11528 11529 11530 11531	197.30 198.70 200.20 201.70 202.70 203.70	198.70 200.20 201.70 202.70 203.70 204.90	1.40 1.50 1.50 1.00 1.00 1.20	0.02 0.02 0.02 0.02 0.02 0.02
204.9	238.4	(2a, w m ser, fol, qtz, py) **Mafic Flows** Fine to medium-grained, variably sericitized, green grey to sericite green. Unit is highly foliated, giving layered appearance as above. Upper portion of unit continues with the pyrite minor quartz, medium grained. 214.9-217.1: 5% quartz veins with 1-2% pyrite. 220.8-221.6: Porphyroblastic carbonate horizon sericitized, ankerite in matrix. 221.6-238.4: Alteration sericitization increasing down hole with a quartz veined zone 5% quartz with 1-3% pyrite from 227.9-232.4. Local schistose sections 232.4-238.4, pale sericitized carbonate green to khaki.	11532 11533 11534 11535 11536 11537 11545	204.90 214.90 216.30 227.90 229.40 230.60 231.50	206.40 216.30 217.10 229.40 230.60 231.50 232.40	1.50 1.40 0.80 1.50 1.20 0.90 0.90	0.02 0.02 0.02 0.02 0.02 0.02 0.02
238.4	251.7	(ser schist, ank, py) **Sericite Schist** Fine to medium-grained, pale yellow buff. Unit is completely sericitized, schistose has ankerite alteration in groundmass	11538 11539 11540 11541	239.30 240.30 241.30 242.00	240.30 241.30 242.00 243.00	1.00 1.00 0.70 1.00	0.02 0.02 0.02 0.02

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		and as small grains. Locally calcite grains and very small veinlets can be found. The upper and lower contact area are very fine grained well in the center medium grained sections occur. Quartz phenocrysts or porphyroblasts occur throughout. Sub-rounded to weakly stretched. Pyrite occurs as fine disseminations mainly in a coarser grained section 239.0-242.9 meters. Pyrite is 1-3%. Quartz veining is mainly confined to 241.3-242.3 and is 50% of the section, veins that occur elsewhere are small 85 degrees to core axis, white. 249.3-251.7: Sericite alteration decreases to weak to moderate. Unit becomes medium green grey with some quartz pheno's and larger carbonate grains.					
251.7	269.1	(2b, m-ser, fol, ank) **Mafic Flow** Fine grained, medium-green in unaltered sections to pale sericite green in moderate alteration. Unit is well foliated, moderately sericitic locally. The distinguishing feature of this unit is abundant, 25%, grains of ankerite. These grains are small appearing like leucoxene, subrounded and evenly distributed. Calcite does occur locally in the groundmass, as well as ankeritization throughout. Chloritic zones locally associated with quartz masses give the impression of being selvages with some increase in the abundance of the ankerite grains. Quartz veins are small <1cm infrequent and the quartz masses are up to 10cm. Foliation remains at 78 to 83 degrees to core axis. Whole rock at 256 meters. As above, the foliation and variable alteration give the appearance of layering.					
269.1	283.5	(2b, fol, ank, cal, w-m ser) **Mafic Flow** **Fine grained, medium grey green to sericitic green locally abundant. Unit is well foliated as above but is distinguished by the presence of what appear to be stretched spherules of carbonate with local quartz phenocrysts or porphyroblasts. The stretched spherules are <3mm wide, generally, and up to 7mm in length. Very rarely they exceed 1cm in length. The quartz pheno's can occur alone or in the stretched spherules. Sericite occurs locally through the unit weak to moderately over 10-50cm. Ankerite occurs throughout the unit in the**	11542 **11543** **11544**	277.20 **278.80** **280.00**	278.80 **280.00** **281.00**	1.60 **1.20** **1.00**	0.02 **0.07** **0.02**

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		matrix.					
		275.0-283.5: Sericitized moderately to highly with local fuchsite. A completely altered zone occurs from 272.2+278.7. The quartz pheno's persist but the spherules are obliterated. Pyrite is very minor throughout. Nil to trace.					
283.5	296.0	(2a, 5 ser, fu, fol, ank) **Mafic Flows** Fine grained, pale greenish buff to khaki coloured, highly sericitized, carbonatized, highly foliated, layered core to alteration. Fuchsite occurs as small wisps very infrequent. 283.5-289.1: Highly sericitized, carbonatized with ankerite, minor quartz veining, pyrite nil to trace as large clusters of fine grains. Unit is locally completely sericitized. 289.1-292.8: Weak to local moderate alteration. 292.8-296.0: Highly altered-sericitized, carbonatized with ankerite, pseudo layered due to variable alteration-grey to khaki layering 66 degrees to core axis.					
296.0	326.0	(2b, fol, chl, w ser) **Mafic Flows** Fine grained, green to grey dependent on alteration. Alteration is generally weak with local moderately sericitized layer sometimes associated with quartz veining at 85 degreed to core axis. Highly chloritic sections 1-4cm wide suggest selvages, widespread. Small layers have spherules with carbonate and quartz pheno's as described above over 4 meters as at 314.3 meters. Unit is foliated at 80 degrees to core axis. Quartz veining is minor, sulfides are nil.					
326.0		END OF HOLE					

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
50.00	-45.00	180.00

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t

DEPTH	INCLINATION	BEARING
100.00	-43.00	180.00
245.00	-42.00	180.00
326.00	-38.00	180.00

Battle Mountain Gold

DIAMOND DRILL LOG

PROPERTY: MAHONEY CREEK 507
HOLE No.: MC96-10
Collar Eastings: 5000.00
Collar Northings: 9235.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -45.00
Grid Bearing: 180.00
Final Depth: 143.50 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: SEPT 28-Oct 1,1996
Down-hole Survey: ACID
DATES LOGGED SEPT. 28-OCT 1,1996

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0.0	36.0	Casing, overburden to 32 meters.					
36.0	55.8	(2a, fl, mag, cal) **Mafic Flow** Medium grained to coarse grained, dark green, epidotized, weakly to moderately foliated locally. Unit is calcitic, minor quartz veining, and epidotized weak to locally moderate. Unit is magnetic. May in part be a mafic dyke.					
55.8	71.0	(3d) **Felsic Pyroclastics** Fine to medium grained, generally medium grey with dark green chloritic sections. The unit is a variable mixture of felsic pyroclastics to possible rhyolites. Where fragments are present, they are dark green possibly chloritic. Unit is weakly sericitized. Local patches to 10cm of chloritic fine grained material.					
71.0	74.5	(3e) **Lapilli Tuff** Fine grained, light to medium green sericitic, with chloritic lapilli or fragments. Unit has a "leopard" appearance and local fine/small quartz fragments. Unit probably dacitic in composition.					
74.5	76.5	(4a, chl) **Chloritic Magnetic Iron Formation** Fine grained, dark green argillaceous layers alternating with layers of magnetite: 1-1.5 cm in width. Layers are at 62 degrees to core axis. Large clusters to cubes of pyrite to 1cm are distributed throughout-generally in argillaceous layers but locally intimate with the magnetite.					
76.5	85.2	(2a, fl) **Mafic Flow** Fine to medium grained, dark green, flow with possible pillows. Local coarse area with bleached nodules on small chloritic patched or fragment. maybe an ash flow tuff but the					

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		coarser fragmental area maybe pillow fragments. Unit becomes much finer towards lower contact. Contact at 60 degrees to core axis.					
85.2	87.0	(5a, 4a) **Argillite/Magnetite Iron Formation** As above but with layers of cherty material. Layered at 63 degrees to core axis. Pyrite as above but also disseminations and fracture fillings.					
87.0	89.6	(3d) **Felsic Tuff** Fine grained, khaki, siliceous minor quartz eyes. Upper part of unit to 87.9 meters maybe mafic flow as above with contact marked by an accumulation of pyrite pyrrhotite in fine veinlets.					
89.6	92.7	(4b/4d) **Cherty Sulfide Iron Formation/Oxide Iron Formation** Layered cherty iron formation with veins of pyrrhotite and much less pyrite with sericite argillite layers. These alternate with oxide (magnetite) iron formation as above. Layering is 62 degrees to core axis. Sulfide content is 10-15%.	11546 11547 11548	89.60 90.50 91.40	90.50 91.40 92.70	0.90 0.90 1.30	0.02 0.02 0.02
92.7	95.7	(3d) **Felsic Tuff** Fine grained, medium grey featherless with minor sulfides pyrite.					
95.7	98.5	(5a, gf, py) **Graphitic Argillite** Fine grained, black, with layered graphitic argillite with fine veinlets to locally coarse clusters of pyrite. Upper section of the unit is in part cherty.					
98.5	108.5	(3d) **Felsic Pyroclastic** Fine to medium grained, felsic tuff to crystal tuffs with quartz eyes locally, coarsely layered. Local sericitic alteration with calcite in the matrix and as small veinlets. These tuffs contain cherty iron formation layers 30-40cm wide with generally pyrrhotite, chalcopyrite as veins and accumulations. Layering at 70 degrees to core axis.	11549 11550 11551	102.40 103.90 104.90	103.90 104.90 105.80	1.50 1.00 0.90	0.02 0.02 0.02

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
108.5	117.6	(3e, 3f) **Felsic Lapilli Tuff/Fragmental** Fine grained pale green to grey matrix hosting heterolithic fragments of quartz, bleached angular fragments-pale buff coloured and locally quartz eyes. Some of the quartz eyes are rimmed with dark cores and pale rims. Upper section of the unit is mineralized with pyrrhotite as small veinlets and disseminations. Veins of tourmaline to 2cm black contorted. Lower contact 73 degrees to core axis.	11552	108.50	110.00	1.50	0.02
			11553	110.00	111.50	1.50	0.02
			11554	111.50	113.00	1.50	0.02
117.6	122.4	(3d) **Felsic Crystal Tuff** Fine grained, medium grey with quartz crystals developing feldspar pheno's towards the lower contact. Section of lapilli/fragmental as above 121.0-121.4. Lower section becomes greenish in colour.					
122.4	136.3	(3f/3d) **Fragmental Tuff** A mixed sequence of fine grained crystal tuff and heterolithic fragments as above. Locally well layered with stretched fragments and local pyrrhotite veins to 0.5cm. Pyrite is trace to <1% tourmaline as above infrequent.					
136.3	143.5	(2, fl?) **Mafic Unit** Fine grained, pale to medium green locally pseudo-layered due to alteration. Pyrrhotite occurs in contorted pale altered zones which could be disrupted pillow selvages. Weakly calcitic fracture fillings. Unit may be weakly ankeritized. Pyrrhotite can form concretions or small <2cm veins as at 142 meters.	11555	137.00	138.50	1.50	0.02
			11556	138.50	140.00	1.50	0.02
			11557	140.00	141.50	1.50	0.02
			11558	141.50	142.50	1.00	0.02
143.5		END OF HOLE					

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
100.00	-44.00	180.00
143.50	-43.00	180.00

Battle Mountain Gold

DIAMOND DRILL LOG

PROPERTY: MAHONEY CREEK 507
HOLE No.: MC96-11
Collar Eastings: 5250.00
Collar Northings: 8187.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -45.00
Grid Bearing: 180.00
Final Depth: 200.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: OCTBER 1-9,1996
Down-hole Survey: ACID
DATES LOGGED: OCT 1-9,1996

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0.0	63.0	(Ovb) **Overburden**					
63.0	98.0	(2a,chl,ser,carb) **Mafic Volcanics** Fine grained, medium to dark green, soft chloritic with sections pale green to buff, sericitized, carbonatized (calcite), schistose. Locally these more highly altered sections contain fuchsite. Quartz veining is minor as white to greyish <2cm veins at 88 degrees to core axis. The entire unit is highly foliated to locally schistose. Crenulation cleavage is noted in numerous areas and small fault offsets occur in the schistose sections. Variable alteration gives the impression of bedding. Foliation´s are at 81 degrees to core axis. Crenulation are at 38 degrees. Whole rock 72.5-schistose, 97.5-weakly altered. 65.0-73.5 - Moderately to highly altered, schistose with limonite stain 66.1-66.6. 73.5-83.0 - Weak to generally moderately altered. 83.0-98.0 - Weak alteration with moderately altered 2-3cm layers. 98.0-106.0 - Foliated to nearly schistose, weak to moderately altered.					
106.0	114.0	(2a,carb) **Mafic Volcanic** Fine grained, medium grey green, carbonatized calcite, massive to weak foliation´s. Increase in quartz veining and carbonate veins to 1-2cm.					
114.0	139.1	(2b,w ser) **Mafic Volcanic** Fine grained, pale green, Mg tholeiite, massive in upper section, pillowed to 139.1. Pillows are manifested by chloritic and locally bleached selvages. Quartz veins are					

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		minor to 2cm wide. Unit is locally moderately altered, possible sericite, carbonate, giving a weakly layered appearance. Whole rock 3415 at 122 meters. Foliation 74 degrees.					
139.1	143.2	(2 tuff,chl) **Mafic Volcanic-Tuffaceous Sediment** Fine grained, dark green, mafic tuff, thinly layered, foliated at 73 degrees to core axis, chloritized overall with local 1cm layers highly chloritic. Small <1cm calcite veinlets and minor quartz.	11560	142.20	143.20	1.00	0.02
143.2	146.3	(2 tuff,sil,carb,w ser,fol) **Altered Tuff** Unit is equivalent of above but altered with silicification, carbonatization possible sericite. Unit is greyish with a purplish overcast possible albite?? Unit contains 5% pyrrhotite as fine laminations to 3mm in width, pyrite is minor to nil. Alteration intensity decreases down section.	11561 11562	143.20 144.70	144.70 146.30	1.50 1.60	0.02 0.02
146.3	154.8	(3e,ser,carb,fol) **Tuff-Volcanoclastic** Fine grained, medium green to sericitic green ground-mass, hosting fragments, heterolithic, variably altered. Unit may be a lapilli tuff with lapilli stretched two to one 2cm long by 1cm wide. Local concentrations of carbonate, possible feldspar are subrounded to 3mm wide. This unit also contains laminae of pyrrhotite but very infrequent. Unit fines down section.	11563 11564	146.30 149.00	147.80 150.00	1.50 1.00	0.02 0.02
154.8	159.4	(2a.carb) **Mafic Volcanic** Fine to medium grained, light to medium grey to green, weakly chloritic with numerous calcite/carbonate veins, minor quartz veins. Massive to weakly foliated. Contact area is highly silicified 159.2-159.4 with carbonate veins. Contact at 81 degrees to core axis.					
159.4	175.7	(2b,carb,sil) **Mafic Volcanic** Fine to medium grained, dark green, possibly pillowed Fe tholeiite basalt. Infrequent calcite veinlets, minor quartz. Locally the unit is siliceous with finer sections. Local feldspar with possible tourmaline 168.0-168.9.					

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS WIDTH	ASSAYS Au g/t
175.7	178.5	(Qtz Vein) **Quartz Vein** White "bull" quartz vein with minor chlorite on fracture planes.	11565 11566	175.70 177.20	177.20 178.50	1.50 1.30	0.02 0.02
178.5	200.0	(2a,epid,chl) **Mafic Volcanics** Fine to medium grained dark green chloritic with "layers" of epidote alteration. Unit is generally weakly siliceous, has chlorite clots and probable pillows marked by chlorite and accumulations of fine carbonate grains, vesicles?/ at pillow edges. Whole rock at 195 3416.					
200.0		END OF HOLE					

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
100.00	-45.00	180.00
200.00	-44.00	180.00

Battle Mountain Gold

DIAMOND DRILL LOG

PROPERTY: MAHONEY CREEK 507
HOLE No.: MC96-12
Collar Eastings: 6500.00
Collar Northings: 6500.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ& CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -45.00
Grid Bearing: 180.00
Final Depth: 182.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: OCTOBER 9-15,1996
Down-hole Survey: ACID
DATES LOGGED: OCT 9-15,1996

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0.0	12.0	(Ovb) **Overburden**					
12.0	17.1	(2a,FeT) **Mafic Volcanic** Fine to medium grained, dark green basalt probable Fe tholeiite. Minor calcite veining, weak pyrite towards lower contact.					
17.1	143.8	(1a,tc/chl,w sil) **Ultramafic** Fine grained, dark green to black to medium grey. Dark green areas are soft, with fracture filling talc/chlorite while the more greyish areas are weakly to moderately silicified with fractures filling talc/chlorite continues. Pyrite mineralization is generally nil to 1-2% over <1-2m. Unit is locally highly fractured. The fracture fillings become mixed with carbonate in fractures below 21m and have a blue overcast. Local areas of the ultramafics appear biotitic with brownish overcast over 3-5m, increased calcite veining in these areas. Small bands of felsic intrusives occur over <1m at infrequent intervals. These intrusives range from granitic in nature to dioritic, mineralized with pyrite as fine disseminations and small cubes 1-3%. Contact are at 50 degrees to core axis. The entire unit is moderately magnetic to local strong magnetics. 69.2-73.9: **Felsic Intrusive** Medium grained, pink to reddish, granitic in nature with pyrite 1-3% as fine dissemination sand small cubic clusters. Contact 62 degrees. 73.9-143.8: Ultramafic continues with numerous mineralized felsic veins, 60 degrees to core axis to contorted. the veins generally contain 1-3% fine pyrite with 1% pyrite in the surrounding ultramafics. Blush talc carbonate fracture fillings continue. Some fractures in contact with the felsic veins contain muscovite. In areas of increased felsic veins the	11568	32.80	33.50	0.70	0.02
			11569	33.50	35.00	1.50	0.34
			11570	68.00	69.20	1.20	0.07
			11571	69.20	70.20	1.00	0.13
			11572	97.00	98.00	1.00	0.11

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		ultramafics are moderately siliceous. Felsic intrusive zones continue as 1-2m wide veins to locally <10cm. There is a wide variation in colour from grey to reddish. the grey colour is probably the dominant colour with local hematitization causing the reddish discoloration. Grain size in the porphyries is also variable with feldspars to 1 1/2cm displaying a perthitic texture. Pyrite is generally 1-2% local 5% as fine disseminations. Contact are generally shallow 30-40 degrees to core axis. Some of the larger sections are listed below. 115.7-118.1: grey to pink. 129.5-134.4: Grey to reddish in the central portion.					
143.8	154.8	(7d,hem) **Feldspar Porphyry** Coarse grained, reddish hematized displaying perthitic textures. Feldspars are angular to locally subangular to rectangular blades. Feldspars are up to 1cm and well packed. The upper contact is grey coarse grained while the lower contact is fine grained, medium grey. Upper is 35 degrees to core axis and lower is 80 degrees. Pyrite is 1-2% as fine disseminations and minor fracture fillings.	11573 11574 11575	143.60 145.10 146.50	145.10 146.50 153.00	1.50 1.40 6.50	0.10 0.03 0.08
154.8	182.0	(1a) **Ultramafic** As above with numerous small felsic intrusive layers 10cm to 20cm, generally grey and fine grained.					
182.0		END OF HOLE					

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
100.00	-44.00	180.00
182.00	-43.00	180.00

Battle Mountain Gold

DIAMOND DRILL LOG

PROPERTY: MAHONEY CREEK 507
HOLE No.: MC96-13
Collar Eastings: 6500.00
Collar Northings: 6625.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -45.00
Grid Bearing: 180.00
Final Depth: 203.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: OCTOBER 15-18,1996
Down-hole Survey: ACID
DATES LOGGED: OCT 15-18,1996

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0.0	27.0	(Ovb) **Overburden**					
27.0	134.9	(1a,tc/chl,bio) **Ultramafic** Fine grained, dark green to blackish, talc/chloritic, fracture fillings of talc and carbonate. Dark green sections 1-2m appear to have a mafic affinity. The unit is moderately magnetic except in more mafic layers where it is not magnetic. Small felsic intrusive veins, quartz and feldspar light grey and hard occur randomly with 1-2% pyrite. Some mafic zones have minor disseminated and fine laminated pyrite, locally associated with calcite. Biotite rich zones occur randomly through the section. 47.0-55.2: Mafic volcanic 1-2% pyrite. Spinifex features occur randomly through the section over 1-2m as at 95.8. Small bands of pyrite occur associated with the felsic intrusives 68.0-116.0. Blue carbonate/talc veins continue. 77.8-78.5: Quartz vein, minor pyrite crushed possible shear. Lower contact 43 degrees to core axis. Weakly mineralized and moderately siliceous.	11576	48.20	49.70	1.50	0.02
			11577	49.70	51.00	1.30	0.02
			11578	51.00	52.20	1.20	0.02
			11579	52.20	53.70	1.50	0.02
			11580	53.70	55.20	1.50	0.02
			11801	133.40	134.90	1.50	0.02
134.9	194.37	(7d,hem,py 3-5%) **Porphyry** Medium to coarse grained, reddish to locally grey over <1m intervals. Unit displays perthitic texture with feldspars to 1cm width exsolution rings. Reddish colourations is probably due to hematization. Pyrite is disseminated throughout 1% with local concentrations to 3-5% over up to 20cm. Quartz veins are local as at 145.0 to 152.0 meters. 183.2-184.4: Zone of 3-5% pyrite in baked ultramafic enclosed in porphyry. Lower contact 50 degrees to core axis.	11802	134.90	136.10	1.20	0.02
			11803	136.10	137.10	1.00	0.07
			11581	137.10	138.50	1.40	0.76
			11582	138.50	139.50	1.00	0.19
			11804	139.50	140.50	1.00	0.14
			11805	140.50	141.70	1.20	0.10
			11806	141.70	143.00	1.30	0.07
			11583	143.00	144.10	1.10	0.03
			11807	144.10	145.10	1.00	0.07
			11808	145.10	146.60	1.50	0.02
			11584	146.60	148.10	1.50	0.11

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
			11585	148.10	149.60	1.50	0.10
			11586	149.60	151.10	1.50	0.10
			11587	151.10	152.10	1.00	0.05
			11809	152.10	153.00	0.90	0.04
			11810	153.00	154.00	1.00	0.03
			11811	154.00	155.00	1.00	0.12
			11812	155.00	156.50	1.50	0.55
			11588	156.50	158.00	1.50	0.12
			11589	158.00	159.20	1.20	0.20
			11590	159.20	160.20	1.00	0.45
			11813	160.20	161.20	1.00	0.06
			11814	161.20	162.20	1.00	0.08
			11815	162.20	163.20	1.00	0.07
			11816	163.20	164.00	0.80	0.37
			11817	164.00	165.00	1.00	0.72
			11818	165.00	166.00	1.00	0.04
			11819	166.00	167.00	1.00	0.03
			11591	167.00	168.00	1.00	0.04
			11592	168.00	169.00	1.00	0.05
			11820	169.00	170.00	1.00	0.02
			11821	170.00	171.20	1.20	0.02
			11593	171.20	172.20	1.00	0.03
			11594	172.20	173.20	1.00	0.69
			11754	173.20	174.20	1.00	0.82
			11755	174.20	175.20	1.00	0.32
			11822	175.20	176.70	1.50	0.10
			11823	176.70	178.20	1.50	0.08
			11824	178.20	179.70	1.50	0.12
			11825	179.70	180.70	1.00	0.03
			11826	180.70	181.70	1.00	0.02
			11595	181.70	183.20	1.50	0.04
			11596	183.20	184.40	1.20	0.09
			11597	184.40	185.90	1.50	0.05
			11598	185.90	187.40	1.50	0.02
			11599	190.50	191.70	1.20	0.12
191.7	203.0	(7d/1a) **Porphyry/Ultramafic** Mixed zone of porphyry as above with 50% dark green, very soft talc/chlorite ultramafic. Porphyry remains mineralized with pyrite 1-2% and the feldspar phenocrysts become much smaller <4mm, unit is increasingly red with hematization. Ultramafic is calcitic and moderately magnetic.	11600	194.10	195.10	1.00	0.02
			11701	195.10	196.10	1.00	0.02
			11702	198.70	200.20	1.50	0.02
			11703	200.20	201.20	1.00	0.02

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
203.0		END OF HOLE					

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
100.00	-45.00	180.00
203.00	-45.00	180.00

Battle Mountain Gold

DIAMOND DRILL LOG

PROPERTY: MAHONEY CREEK 507
HOLE No.: MC96-14
Collar Eastings: 6500.00
Collar Northings: 5100.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -45.00
Grid Bearing: 180.00
Final Depth: 257.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: OCTOBER 19-23,1996
Down-hole Survey: ACID
DATES LOGGED: OCT 19-23,1996

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0.0	22.0	(Ovb) **Overburden**					
22.0	28.0	(2a,felds,hem) **Mafic Volcanic** Dark green, fine grained, intermixed with medium grey fine to medium grained feldspathized layers. Mafic are siliceous, bleached along fractures and weakly mineralized, locally 1-2% in fractures.	11704	23.00	24.50	1.50	0.02
			11705	24.50	26.00	1.50	0.02
			11706	26.00	27.50	1.50	0.02
28.0	72.0	(2a,hem,felds,cal) **Feldspathized,hematized Mafic Volcanics** Fine grained, variably from dark grey to greenish to blackish with local reddish "syenitic" sections. Hematized sections are very siliceous locally have calcite veinlets, locally abundant, magnetic and weakly mineralized. Minor epidote over 1-2m. Dark grey areas may be silicified mafics with 1% pyrite. 66.5-91.0: Altered siliceous bleached to buff colour along fractures and locally pervasive, may in part be altered mafics??. Calcite in fractures, multiple syenitic layers. Lower section ranges from reddish/orange to reddish buff. The buff colored areas are carbonatized, ankerite, pervasive and as small fracture fillings. Alteration is patchy locally with some areas still dark green. Rock units may be very altered mafics.	11707	35.10	36.50	1.40	0.03
			11708	36.50	38.00	1.50	0.03
			11709	65.00	66.50	1.50	0.03
			11710	66.50	68.00	1.50	0.03
			11711	68.00	69.50	1.50	0.03
			11712	69.50	70.90	1.40	0.03
91.0	111.1	(2a,hem,w felds) **Mafic Volcanics** Dark green generally, fine grained, magnetic, variably altered, selvages, locally softer. Mineralized with pyrite, locally 1-2%. Alteration along fractures appears feldspathic in nature, purplish buff in colour. 0.5mm around fractures. Unit is usually weakly foliated. Quartz veins are infrequent small and discontinuous. Whole Rocks 81m-silicified, carbonatized, buff to reddish.	11661	91.00	92.50	1.50	0.03
			11662	92.50	94.00	1.50	0.03

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		100m-dark green, weakly foliated, minor fine pyrite.					
111.1	199.1	(2a,sil,carb,hem) **Altered Mafic Volcanics** The protolith is hard to distinguish but for lack of evidence to the contrary has been designated mafic volcanics. The rare unaltered patches are dark green, silicified. The unit is moderately to strongly magnetic over its length. The unit is fine grained, greenish to generally reddish in colour. Alteration in the upper 10m occurs along numerous fractures to become pervasive. Alteration is silicification, carbonatization, ankerite, probably hematization (based on colour) and bleaching. Although the alteration is variable between the mix of types, ie lessening of hematization and/or carbonatization at least one alteration assemblage is pervasive, generally silicification. A fragmental or breccia section from 122.7-125.0 may be due to stages of alteration or may be a flow breccia. One section from 152-152.7m has been completely altered to a grey to buff colour with patches to 153.1. Pyrite mineralization is fine grained disseminations <1% with minor areas slightly increased by still <1%. Whole rock: 123m-altered, hematization, silicification, ankeritization 3420. 155.4m-as above possibly more intense. 195.3-199.1: Unit is more sericitic greenish to pale grey albitized??, continues to be carbonatized with ankerite pervasive. Lower contact is crushed but appears to be sharp. Pyrite as fine disseminations <1%.	11713 11714 11715 11716 11717 11718 11719 11720 11721 11722 11723 11724 11725 11726 11727 11728 11729 11730 11731 11732 11733 11734 11735 11736	114.30 115.30 116.80 122.50 124.00 125.50 131.00 132.50 134.00 135.50 137.00 138.50 140.00 141.50 143.00 144.50 146.00 147.00 179.00 180.40 181.40 182.50 194.00 195.30 196.30 197.80	115.30 116.80 118.30 124.00 125.50 127.00 132.50 134.00 135.50 137.00 138.50 140.00 141.50 143.00 144.50 146.00 147.00 180.40 181.40 182.50 195.30 196.30 197.80 199.10	1.00 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.00 1.40 1.00 1.10 1.30 1.00 1.50 1.30	0.06 0.03 0.12 0.05 0.06 0.02 0.03 0.02 0.02 0.02 0.02 0.02 0.16 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02
199.1	209.0	(2a,ser,cal) **Altered Mafic Volcanics** Dark green, fine grained sericite altered along fractures and foliation's laminations are contorted, contain calcite veinlets small, discontinuous. Unit is mineralized with pyrite. 1-3% with local concentrations as at 200.8m.	11737 11738 11739	199.10 200.10 201.10	200.10 201.10 202.10	1.00 1.00 1.00	0.04 0.02 0.02
209.0	257.0	(2a,w sil,w hem) **Mafic Volcanics** Fine grained, steel grey to weakly greenish grey, generally	11740 11741 11742	212.00 213.50 215.00	213.50 215.00 216.50	1.50 1.50 1.50	0.15 0.02 0.02

FROM	TO	LITHOLOGICAL DESCRIPTION
		featureless with the odd area which appears layered. This layering may in part be alteration related. Pyrite occurs as disseminations throughout and as small veinlets associated with small quartz veinlets with minor bleaching around veinlets. Altered zones of weak silicification, bleaching, feldspathization occur over up to 10m wide. Sulfide content in these areas do not necessarily increase. Small <2m coarser grained sections maybe due to alteration as at 219.3m, 236.3m. Foliation's 66 degrees to core axis.
		Whole Rock: 210m-3422-dark grey, fine grained, minor pyrite. Mafic volcanic.
		243.5-3423-altered mafic volcanic <1% pyrite.
257.0		END OF HOLE

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
100.00	-45.00	180.00
257.00	-44.00	180.00

SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
11743	216.50	218.00	1.50	0.02
11744	218.00	219.10	1.10	0.02
11745	226.20	227.20	1.00	NIL
11746	227.20	228.70	1.50	0.02
11747	232.00	233.00	1.00	0.02
11748	233.00	234.50	1.50	0.02
11749	251.10	252.40	1.30	0.02
11750	252.40	253.40	1.00	0.02
11751	253.40	254.40	1.00	0.02
11752	254.40	255.50	1.10	0.02
11753	255.50	257.00	1.50	0.02

Battle Mountain Gold

DIAMOND DRILL LOG

PROPERTY: MAHONEY CREEK 507
HOLE No.: MC96-15
Collar Eastings: 6250.00
Collar Northings: 5125.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -45.00
Grid Bearing: 180.00
Final Depth: 260.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: OCTOBER 23-27,1996
Down-hole Survey: ACID
DATES LOGGED: OCT 23-27,1996

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0.0	12.0	(Ovb) **Overburden**					
12.0	101.8	(2b, epid, m-s sil, cal) **Pillowed Mafic Volcanics** Fine grained, medium to dark green, with epidote fracture fillings and local pervasive pillow selvages at ~5m intervals as chlorite rich zones and locally bleached sections. Unit is silicified moderately to strongly, and moderately magnetic. Alteration is as bleaching around small quartz and/or calcite veinlets with disseminated fine grained pyrite. Pyrite also occurs as fracture fillings and local disseminations. Whole rock sample: 34.5m-3424-dark grey mafic volcanic FeT, minor pyrite, siliceous. 62.0-101.8: Alteration increases with increased epidote, silicification, unit becomes reddish with increased hematization, and in areas of increased alteration, pyrite increases to 3-5% over 2-3m intervals. Feldspathization near fracturing widens to 1cm. Whole rock: 66.5m-3425-dark green mafic volcanic, epidote, weak silicification	11757	12.50	14.00	1.50	0.10
			11758	14.00	15.50	1.50	0.02
			11759	27.90	29.00	1.10	0.02
			11760	29.00	30.50	1.50	0.02
			11761	30.50	32.00	1.50	0.02
			11762	70.10	71.30	1.20	0.02
			11763	77.00	78.20	1.20	0.02
			11764	78.20	79.70	1.50	0.97
			11765	79.70	81.00	1.30	0.06
			11766	83.00	84.50	1.50	0.39
			11767	84.50	86.00	1.50	0.07
			11768	86.00	87.50	1.50	0.05
			11769	87.50	89.00	1.50	0.02
			11770	89.00	90.50	1.50	0.04
			11771	90.50	92.00	1.50	0.02
			11772	92.00	93.50	1.50	0.04
			11773	93.50	95.00	1.50	0.03
			11774	95.00	96.50	1.50	0.08
			11775	96.50	98.00	1.50	0.02
			11776	98.00	99.50	1.50	0.02
			11777	99.50	100.50	1.00	0.02
			11778	100.50	101.80	1.30	0.02
101.8	108.6	(2b?, hem, cb, ank, m sil) **Mafic Volcanic??** Hematitization becomes pervasive, with and silicified moderately, carbonatized moderately, with local pyritic layers. Unit is reddish decreasing down hole with increased carbonate, (ankerite) grained, foliated to laminated due to alteration. Protolith is indistinguishable but is assumed to be as above. Pyrite occurs as disseminations and local veined areas. Unit is magnetic-moderate to strongly. Lower contact is gradational. Foliations 54 degrees to core axis.	11779	101.80	103.30	1.50	0.04
			11780	103.30	104.80	1.50	0.02
			11781	104.80	105.80	1.00	0.02
108.6	111.3	(2a, alb?, cb, w ser)	11782	110.00	111.30	1.30	0.06

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		Mafic Volcanic Weak reddish giving way to grey weak green sericite colour, unit is carbonatized, weakly sericitic and possibly albitized in grey layers, fine grained. Unit is massive in appearance. Nil to trace pyrite.					
111.3	126.5	(5a/5b, s ser, cb) **Altered Sediments** Fine grained, light green to greenish grey, sericitized. The unit has been altered to nearly sericite schist with carbonatization, local silicification evident. In the heavily sericitized zones the foliations/laminations are contorted suggesting fine sediment originally. Quartz veining is restricted to 120.8-122.1 as white veins at various angles. 30 to 80 degrees to core axis. Pyrite <1% in quartz veined areas, nil to trace elsewhere. Lower contact /pervasive sericitization is sharp at 61 degrees to core axis. Whole rock: 112.4-3426-pervasive sericite, light green. Possible tourmaline as grains to <1mm.	11783 11784	119.80 120.80	120.80 122.20	1.00 1.40	0.13 0.02
126.5	144.0	(5a, 5b, w ser) **Argillaceous Sediments** Fine grained, medium grey to locally pale green where sericite increases. Foliations are contorted with sericite in foliations. Pyrite is generally minor but can increase to 1-3% in foliations and as disseminations as at 129.9-130.7m. Quartz veining is infrequent white veins <10cm, 80 degrees to core axis. Ankerite occurs as small veinlets in foliations, contorted and as grains, <5% of unit. Unit is non magnetic. Whole rock: 133m-3427-grey, weakly to moderately sericitic, ankerite<5%, pyrite nil to trace. 140.0-144.0: Sericite decreases down hole to contact with 10% quartz veins as white veins up to 20cm, minor pyrite.	11785 11786 11787 11788 11789 11790 11791 11792 11793	128.40 129.90 130.80 137.00 138.00 139.00 140.50 142.00 143.00	129.90 130.80 131.80 138.00 139.00 140.50 142.00 143.00 144.00	1.50 0.90 1.00 1.00 1.00 1.50 1.50 1.00 1.00	0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02
144.0	260.0	(5a/5b, w ser loc, ank, cal) **Argillaceous greywacke** Fine to locally medium grained, medium to dark grey, laminated. Small <1m sections of increased sericite as at 150m. Pyrite is continuous through the section as <1% disseminations, clusters, and infrequently as fine laminae. Soft sediment deformation to z folds as at 153.4m. Unit is	11794 11795 11796 11797 11798 11799 11800	188.00 189.50 190.50 206.00 207.50 208.50 210.00	189.50 190.50 191.50 207.50 208.50 210.00 211.60	1.50 1.00 1.00 1.50 1.00 1.50 1.60	0.02 0.02 0.02 0.02 0.02 0.02 0.02

FROM	TO	LITHOLOGICAL DESCRIPTION
		dark black locally with possible graphite. Ankerite veinlets to 157m calcite below.
		188.0-191.5: Small sericitic layered with fine pyrite.
		206.0-208.5: Unit sericitic with 1-3% fine pyrite, minor quartz.
		208.5-219.2: Alteration increases as carbonatization, silicification, weak to moderate sericitization. Unit is hematized from 208.5-211.7. Pyrite is 3-5% from 208.5-213.0, decreasing to <1% over remainder of the zone.
		219.2-260.0: Pyrite <1% as disseminations, weak sericite over <0.5m and minor bleaching and minor feldspathization near some fractures.
260.0		END OF HOLE

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
100.00	-44.00	180.00
260.00	-43.00	180.00

	ASSAYS			
SAMPLE No.	FROM	TO	WIDTH	Au g/t
11601	211.60	213.00	1.40	0.02
11602	213.00	214.00	1.00	0.02
11603	220.00	221.00	1.00	0.02
11604	230.00	231.50	1.50	0.02
11605	231.50	233.00	1.50	0.02
11606	233.00	234.00	1.00	0.02

Battle Mountain Gold

DIAMOND DRILL LOG

PROPERTY: MAHONEY CREEK 507
HOLE No.: MC96-16
Collar Eastings: 7125.00
Collar Northings: 5050.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -45.00
Grid Bearing: 180.00
Final Depth: 221.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: Oct 27-30,1996
Down-hole Survey: ACID
DATES LOGGED: OCTOBER 28-30,1996

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0.0	38.0	(Ovb) **Overburden** 37.0-38.0-Probable boulder of diabase.					
38.0	140.2	(5b/5a, w ser,fol) **Greywacke/Argillaceous Wacke** Fine grained, generally with coarser beds to 1.5m in width averaging <0.5m, greenish grey. Unit is coarse with coarser grained beds every 1-4m. Finer beds are occasionally sericitic to weakly bleached. Pyrite sulphides are nil to trace with minor small veinlet zones bleached as at 51.8-52.4, pyrite 1-2%. Unit is highly fractured to 89.0m. Small beds of coarse conglomerates occur randomly with pebbles pale grey green bleached, altered?? beds are <20cm in width as at 88.7, 92.2m. Pyrite occurs generally as fine disseminations over <30cm, average <10cm.	11607	51.50	52.50	1.00	0.02
			11608	64.80	65.80	1.00	0.02
			11609	90.90	91.90	1.00	0.02
			11610	91.90	92.90	1.00	0.02
			11611	116.00	117.00	1.00	0.02
			11612	117.00	118.50	1.50	0.02
			11613	118.50	119.50	1.00	0.02
			11614	119.50	120.50	1.00	0.02
140.2	221.0	(5a,w graph,fol) **Argillite** Fine grained dark grey to black, with <1m sections of coarser greywacke. Contacts are at 46 degrees to core axis. Foliations or bedding in argillite at 65 degrees to core axis. Unit contains variable pyrite <1% to locally 3% as minor disseminations and generally fine veinlets or foliation related laminae. Unit is weakly graphitic in argillite over 102m. 147.3-148.5: Moderately siliceous, pyrite 1-3%. Unit is calcitic throughout with small veins <3mm discontinuous, locally fairly abundant, especially in coarser wacke beds. 155.2-155.5: Graphitic pyritic argillite foliated at 58 degrees to core axis. Vein of pyrite 4mm wide as coarse grains. 202.0-207.7: Weakly sericitic. 207.7-210.5: Weak to moderate sericite with 1-3% pyrite as fine veinlets and disseminations. Minor quartz/veining.	11615	143.00	144.30	1.30	0.02
			11616	144.30	145.30	1.00	0.02
			11617	145.30	146.30	1.00	0.02
			11618	146.30	147.30	1.00	0.02
			11619	147.30	148.80	1.50	0.02
			11620	148.80	149.80	1.00	0.02
			11621	206.70	207.70	1.00	0.05
			11622	207.70	209.00	1.30	0.02
			11623	209.00	210.50	1.50	0.02
			11624	210.50	211.50	1.00	0.02

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
221.0		END OF HOLE					

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
100.00	-44.00	180.00
221.00	-43.00	180.00

Battle Mountain Gold

DIAMOND DRILL LOG

PROPERTY: MAHONEY CREEK 507
HOLE No.: MC96-17
Collar Eastings: 7625.00
Collar Northings: 5435.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -45.00
Grid Bearing: 180.00
Final Depth: 167.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: October 30-Nov 2,1996
Down-hole Survey: ACID
DATES LOGGED OCT 30 - NOV 2,1996

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0.0	47.0	(Ovb) **Overburden**					
47.0	57.9	(5b,ank,w ser) **Greywacke??** Fine grained, brick red, hematized. Unit displays some layering features, possible bedding. Unit is foliated at 55 degrees to core axis. Quartz veining is minor with associated ankerite. Unit is weak to moderately ankeritic, minor sericite. Pyrite is minor as fine disseminations.	11625	54.30	55.70	1.40	0.02
			11626	55.70	56.70	1.00	0.02
			11627	56.70	57.80	1.10	0.02
57.9	81.3	(5a,hem, w felds,carb) **Argillite??** Fine grained, grey green, soft foliated to layered with numerous sections of highly hematized bedding (?). Local areas of pervasive alteration to buff pinkish, carbonatized. Unit is ankeritic in groundmass and as veinlets along foliations. Sericitization throughout along foliations pale green. Pyrite is minor as fine disseminations and local small veinlets. Band of magnetite at 60.6-5cm wide. 63.3-70.2: Quartz veined area with 5% quartz veins <10cm in width. 74.7-77.4: Pervasive alteration beginning as brick red giving way to buff reddish. Hematized, carbonatized, silicified. Pyrite is minor, quartz veining is minor. This section is preceded and followed by 10cm bands of the same alteration for 1-2 meters. The entire unit has crenulation cleavages.	11628	57.80	59.00	1.20	0.02
			11629	63.30	64.80	1.50	0.02
			11630	64.80	66.30	1.50	0.02
			11631	66.30	67.80	1.50	0.02
			11632	67.80	69.00	1.20	0.02
			11633	69.00	70.20	1.20	0.02
			11634	70.20	71.70	1.50	0.06
			11635	71.70	73.20	1.50	0.04
			11636	73.20	74.70	1.50	0.02
			11637	74.70	76.20	1.50	0.13
			11638	76.20	77.40	1.20	0.04
81.3	101.0	(5b,ank,ser) **Greywacke** Fine to medium grained, green grey to grey green grains of ankerite to <1mm, abundant. Unit is variably altered, moderate to pervasive as at 41.8-82.3, etc. Pyrite content increases to 1-2% in pervasive alteration. Unit is somewhat featureless in unaltered sections. Sericite is along	11639	81.30	82.40	1.10	0.02
			11640	82.40	83.40	1.00	0.04
			11641	83.40	84.50	1.10	0.03
			11642	84.50	85.50	1.00	0.07
			11643	85.50	86.50	1.00	0.05
			11644	86.50	88.00	1.50	0.06
			11645	91.00	92.00	1.00	0.02
			11646	92.00	93.50	1.50	0.02

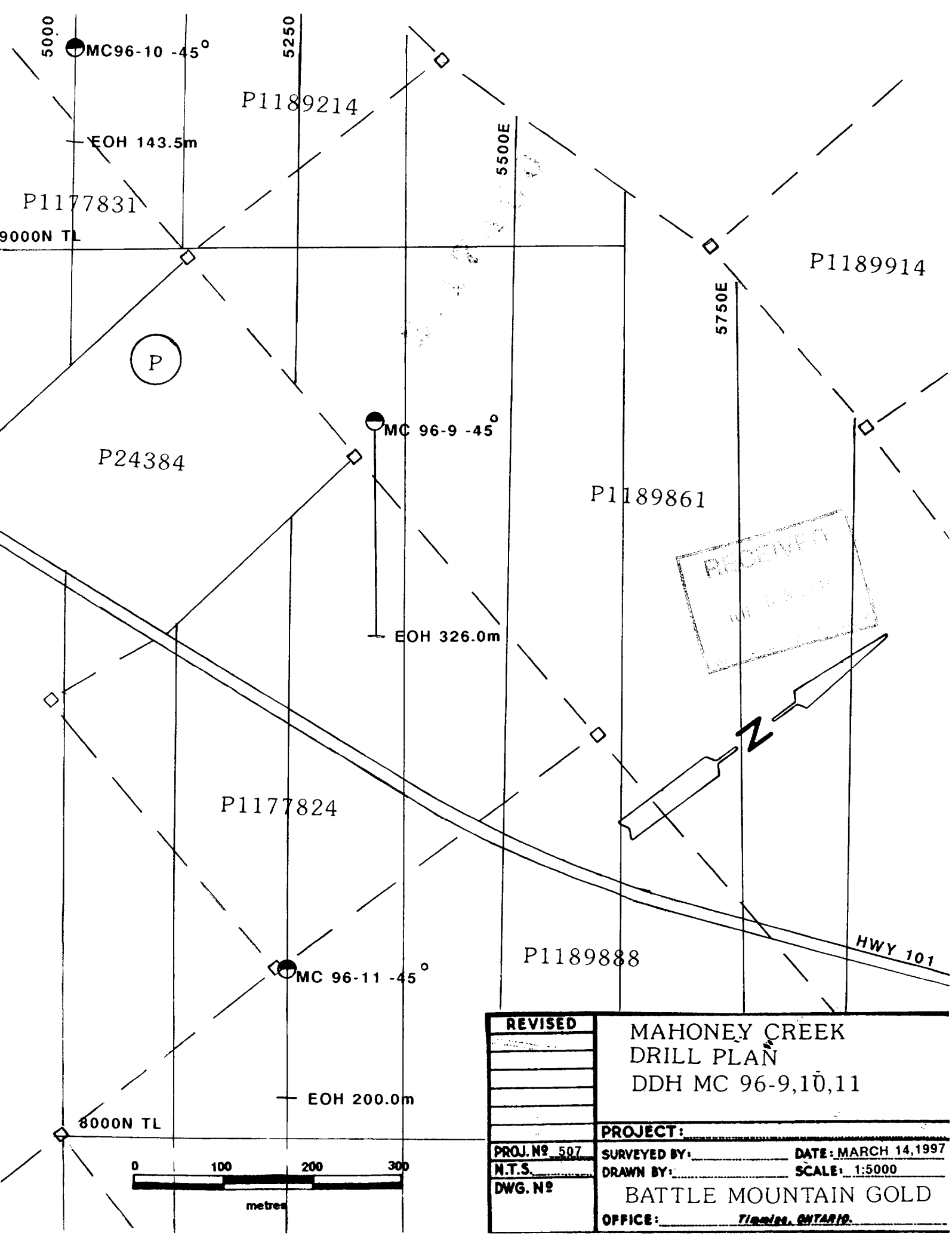
FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		foliations. Alteration weakens down hole with local alteration with fine pyrite.	11647	93.50	95.00	1.50	0.02
			11648	95.00	96.00	1.00	0.02
101.0	167.0	(5b,w carb,cal) **Greywacke** Fine to medium grained, green grey to green, unit is coarsely bedded generally with small fine grained argillaceous beds infrequently. There is probably a tuffaceous component to the unit. Small beds with pebble fragments occur very infrequently. Alteration is minor through most of unit. Where is occurs, it is carbonatization, weak silicification and bleaching. Minor pyrite in these veins as disseminations and small veinlets. Bedding is at 85 degrees to core axis. Calcitic as veins and in matrix. Whole rock 166m-3429.	11649	101.00	102.00	1.00	0.02
			11650	102.00	103.50	1.50	0.02
			11651	103.50	105.00	1.50	0.02
			11652	105.00	106.20	1.20	0.08
			11653	106.20	107.20	1.00	0.03
			11654	114.00	115.50	1.50	0.32
			11655	115.50	117.00	1.50	0.49
			11656	117.00	118.00	1.00	0.02
			11657	137.60	139.10	1.50	0.02
			11658	139.10	140.60	1.50	0.02
			11659	140.60	142.10	1.50	0.02
			11660	142.10	143.60	1.50	0.02
167.0		END OF HOLE					

DOWN-HOLE SURVEY DATA

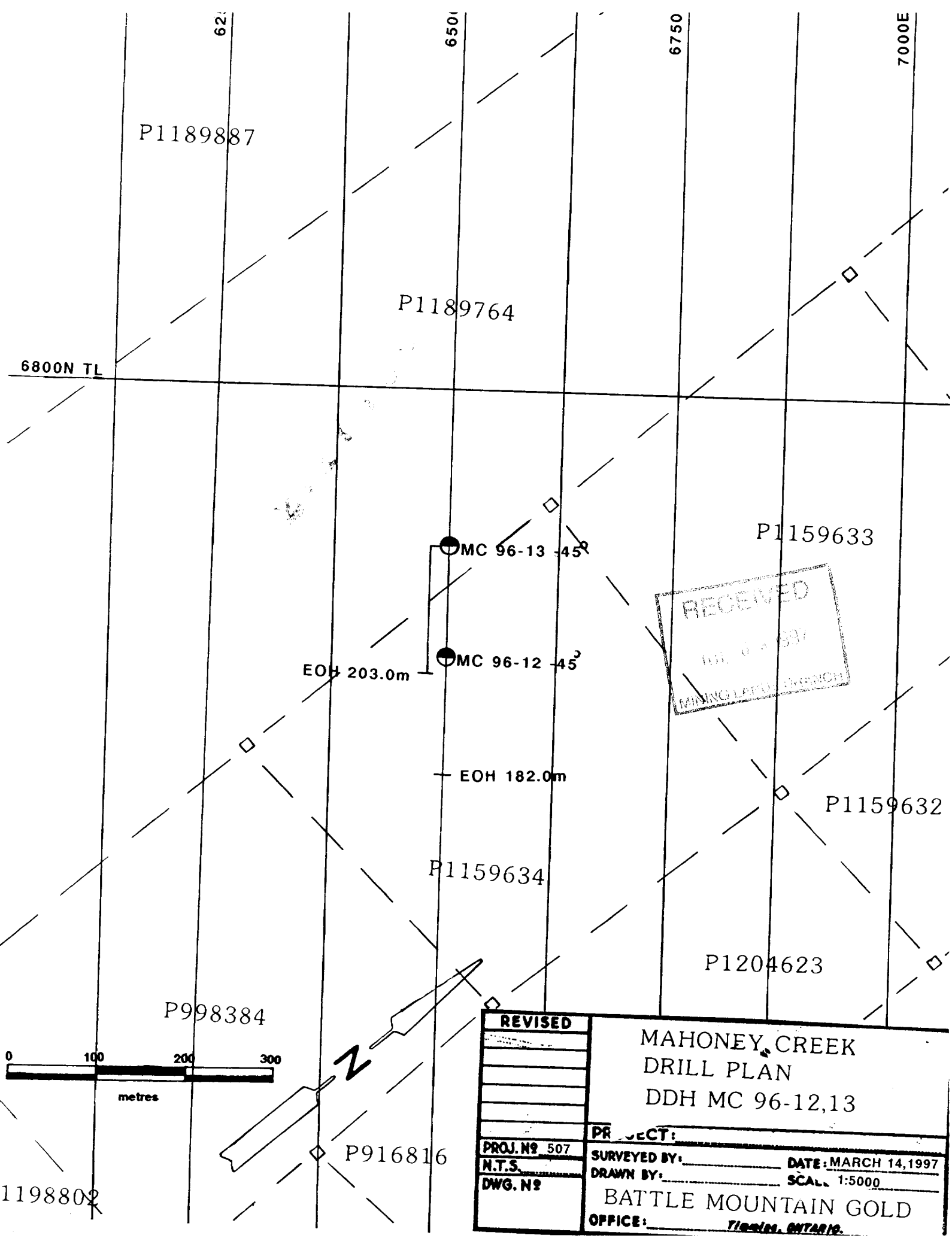
DEPTH	INCLINATION	BEARING
100.00	-44.00	180.00
167.00	-43.00	180.00

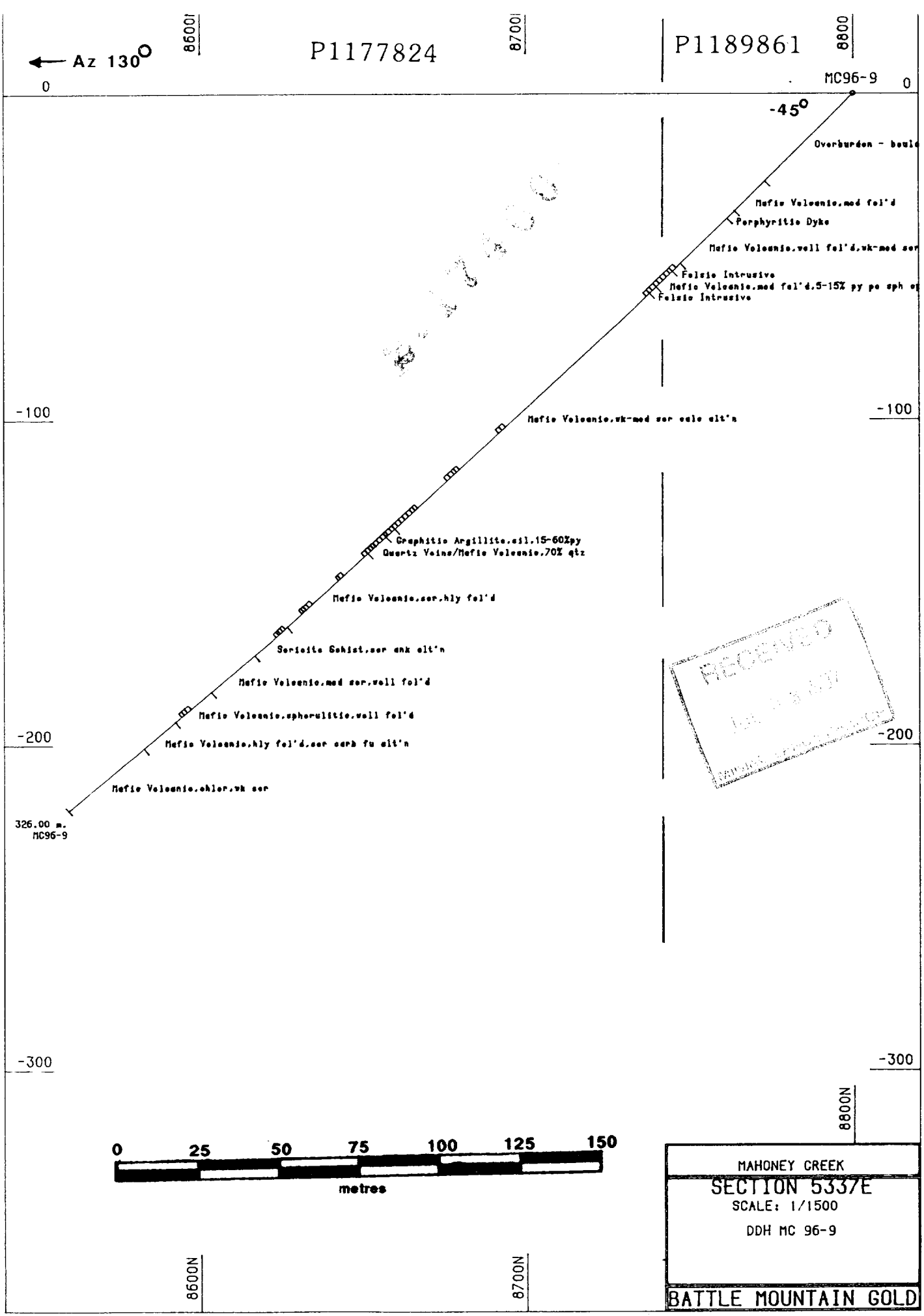
6250E
6500E
6750E
7000E
7250E
7500E
7750E
8000E
P998383
P1177821
P649963
P1159635
P1189562
P1159642
P757659
P1177823
MC 96-17 -45°
EOH 167.0m
P1177825
P1159643
MC 96-15 -45°
MC 96-14 -45°
MC 96-16 -45°
5000N TL
EOH 260.0m
EOH 257.0m
EOH 221.0m
P1177827
P1177826
P1189552
HWY 144
0 100 200 300
metres
N

REVISED	MAHONEY CREEK DRILL PLAN DDH MC 96-14,15,16,17
	PROJECT:
PROJ. Nº 507	SURVEYED BY: DATE: MARCH 14,1997
N.T.S.	DRAWN BY: SCALE: 1:5000
DWG. Nº	BATTLE MOUNTAIN GOLD
	OFFICE: Timmins, ONTARIO.



REVISED	MAHONEY CREEK DRILL PLAN DDH MC 96-9,10,11
	PROJECT:
PROJ. Nº 507	SURVEYED BY: DATE: MARCH 14,1997
N.T.S.	DRAWN BY: SCALE: 1:5000
DWG. Nº	BATTLE MOUNTAIN GOLD
	OFFICE: Timmins, ONTARIO.


6750
7000E
P1189887
P1189764
6800N TL
MC 96-13 -45°
MC 96-12 -45°
EOH 203.0m
EOH 182.0m
P1159633
P1159632
P1159634
P1204623
P998384
P916816
0
100
200
300
metres
N
RECEIVED
REVISED
MAHONEY CREEK
DRILL PLAN
DDH MC 96-12,13
PROJECT:
PROJ. Nº 507
N.T.S.
DWG. Nº
SURVEYED BY:
DRAWN BY:
DATE: MARCH 14,1997
SCALE 1:5000
BATTLE MOUNTAIN GOLD
OFFICE: Timmins, ONTARIO.


Az 130°
8600E
P1177824
8700E
P1189861
8800E
MC96-9
0
-45°
Overburden - boul
Mafic Volcanic,mod fol'd
Porphyritic Dyke
Mafic Volcanic,well fol'd,wk-mod ser
Felsic Intrusive
Mafic Volcanic,mod fol'd,5-15% py po sph
Felsic Intrusive
-100
Mafic Volcanic,wk-mod ser calc alt'n
Graphitic Argillite,sil,15-60%py
Quartz Veins/Mafic Volcanic,70% qtz
Mafic Volcanic,ser,mly fol'd
Sericite Schist,ser mnk alt'n
Mafic Volcanic,mod ser,well fol'd
Mafic Volcanic,spherulitic,well fol'd
-200
Mafic Volcanic,mly fol'd,ser carb fu alt'n
Mafic Volcanic,chlor,wk ser
326.00 m.
MC96-9
-300
0 25 50 75 100 125 150
metres
8600N
8700N
8800N
MAHONEY CREEK
SECTION 5337E
SCALE: 1/1500
DDH MC 96-9
BATTLE MOUNTAIN GOLD

P1177831

9200I

P1189214

0

← Az 130°

MC96-10

0

-45°

Overburden

Mafic Volcanic,wk-mod fol'd

Felsic Pyroclastic,chlor,wk ser

Lapilli Tuff,ser

Iron Formation,argillaceous/magnetite layers

Mafic Volcanic,pillowed?

Iron Formation,cherty

Felsic Tuff

Iron Formation,sulp/oxide,cherty

Felsic Tuff

Graphitic Argillite

Felsic Pyroclastic

Felsic Lapilli Tuff,heterolithic

Felsic Crystal Tuff,qtz & fold phenos

Fragmental Tuff,crystal/heterolithic mixture

-100

Mafic Volcanic,pale alt'd zones

143.50 m.
MC96-10

-100

-200

-200

0 20 40 60 80 100

metres

MAHONEY CREEK

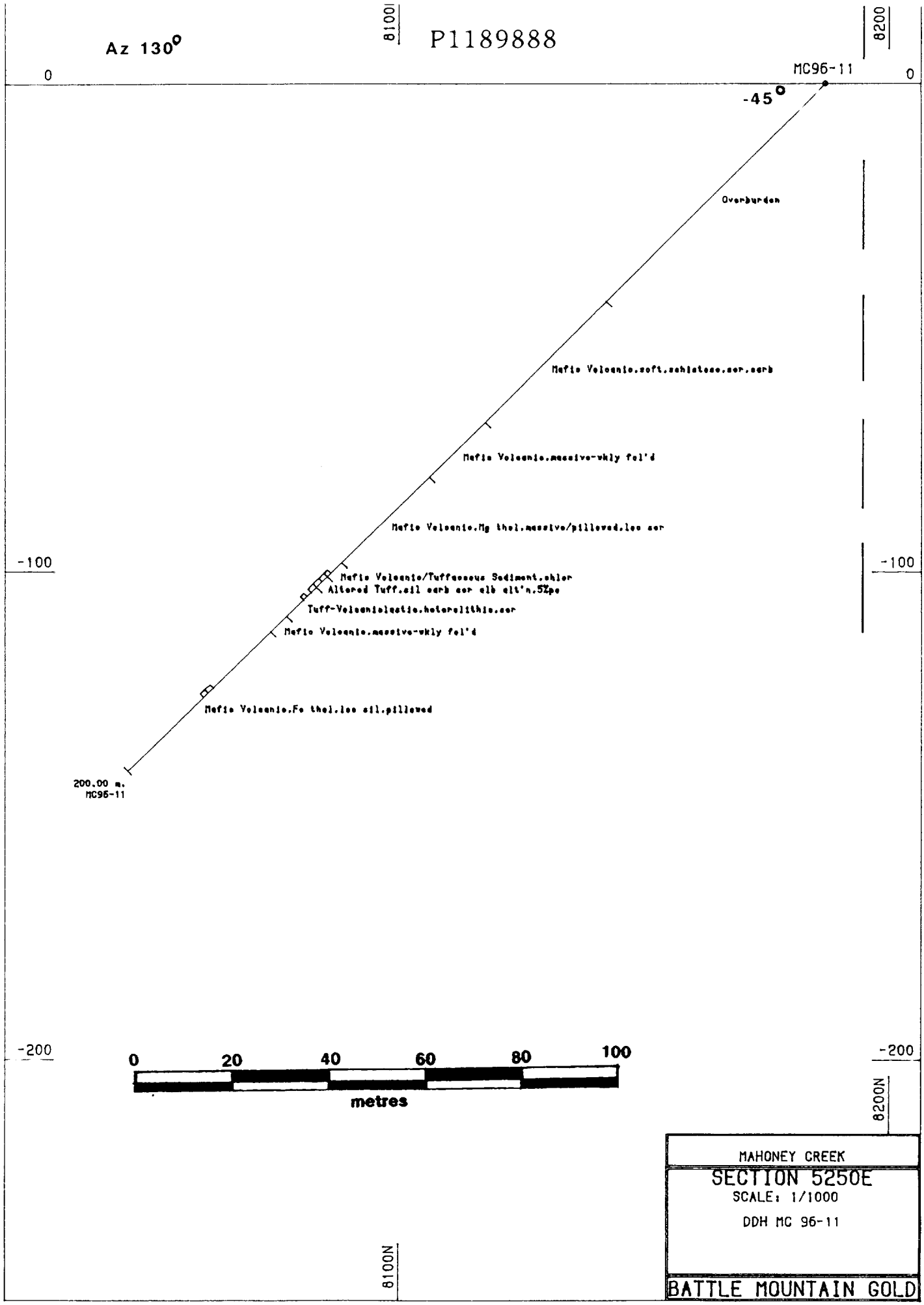
SECTION 5000E

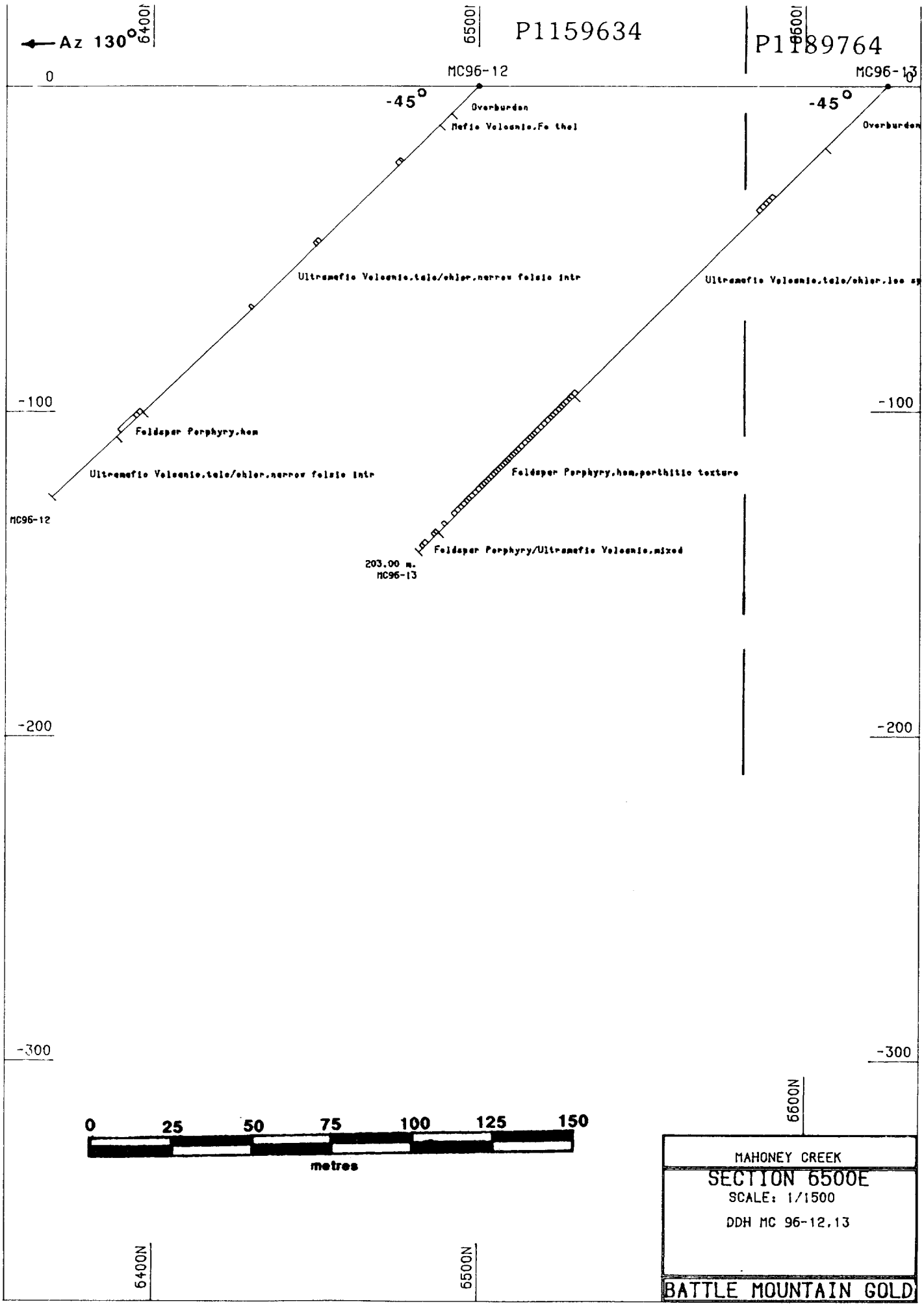
SCALE: 1/1000

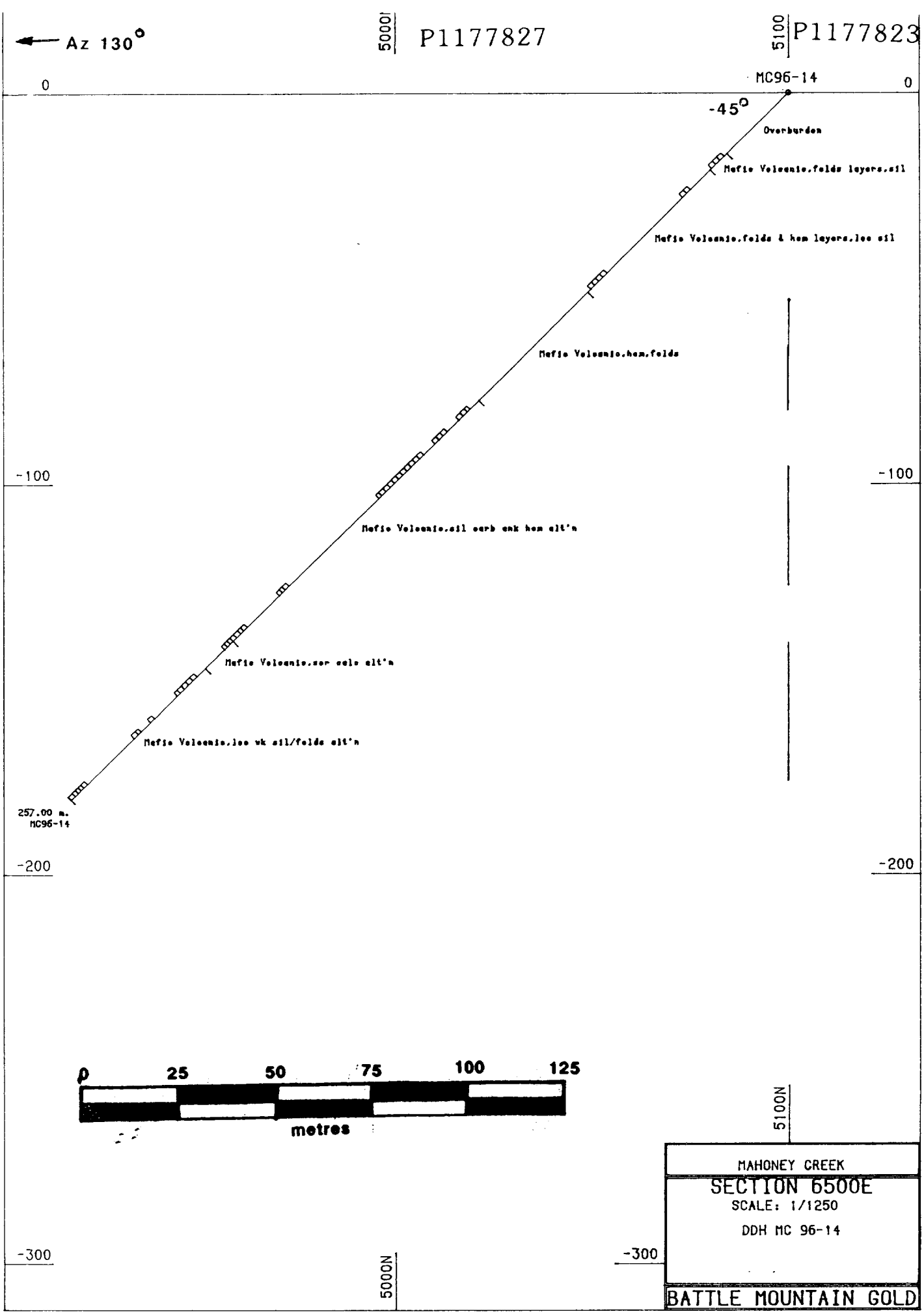
DDH MC 96-10

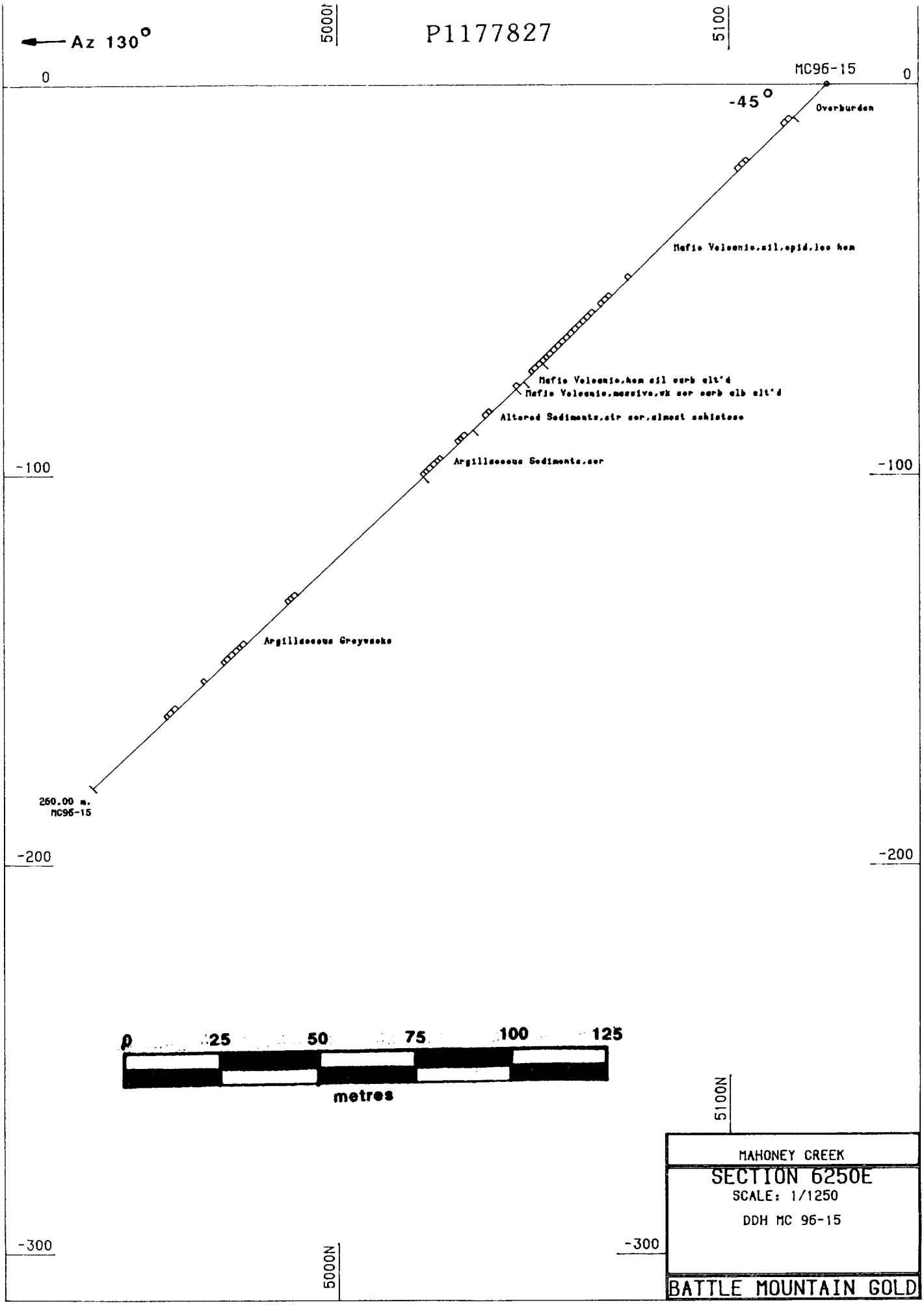
9200N

BATTLE MOUNTAIN GOLD

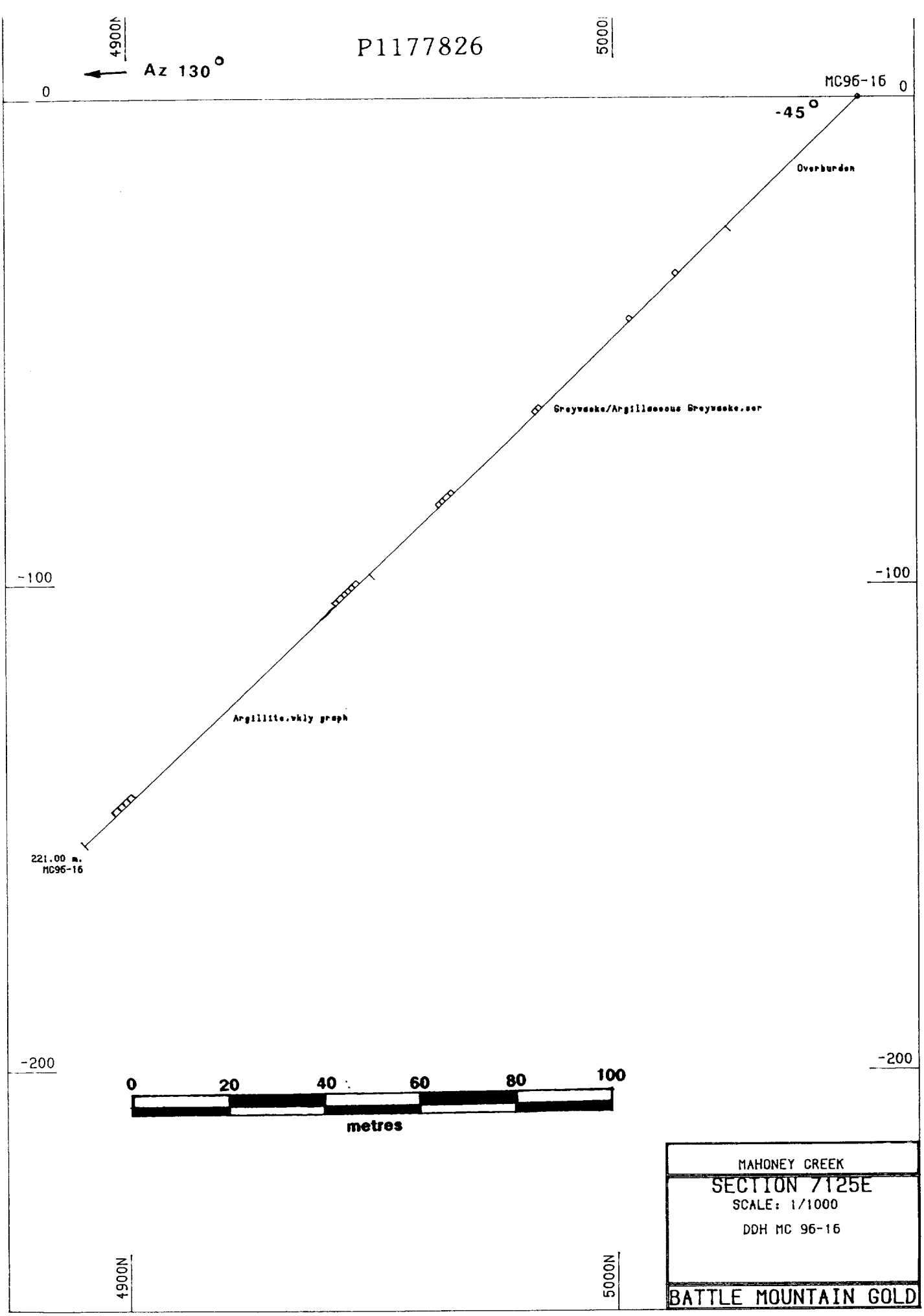

Az 130°
8100I
8200
0
MC96-11
0
-45°
Overburden
Mafic Volcanic.soft.schistose.ser.carb
Mafic Volcanic.massive-wkly fol'd
Mafic Volcanic.Mg thol.massive/pillowed.lec ser
-100
-100
Mafic Volcanic/Tuffaceous Sediment.chlor
Altered Tuff.sil carb ser clb clt'n.5%py
Tuff-Volcaniclastic.heterolithic.ser
Mafic Volcanic.massive-wkly fol'd
Mafic Volcanic.Fe thol.lec sil.pillowed
200.00 m.
MC96-11
-200
-200
0
20
40
60
80
100
metres
8200N
8100N
MAHONEY CREEK
SECTION 5250E
SCALE: 1/1000
DDH MC 96-11
BATTLE MOUNTAIN GOLD


Az 130°
6400E
6500E
6600E
P1159634
P1189764
0
MC96-12
MC96-13
-45°
-45°
Overburden
Mafic Volcanic,Fe thel
Overburden
Ultramafic Volcanic,talc/chlor,narrow felsic intr
Ultramafic Volcanic,talc/chlor,lee sy
-100
-100
Feldspar Porphyry,hem
Ultramafic Volcanic,talc/chlor,narrow felsic intr
MC96-12
Feldspar Porphyry,hem,perthitic texture
Feldspar Porphyry/Ultramafic Volcanic,mixed
203.00 m.
MC96-13
-200
-200
-300
-300
0 25 50 75 100 125 150
metres
6600N
MAHONEY CREEK
SECTION 6500E
SCALE: 1/1500
DDH MC 96-12,13
6400N
6500N
BATTLE MOUNTAIN GOLD


Az 130°
5000I
P1177827
5100
P1177823
0
MC96-14
0
-45°
Overburden
Mafic Volcanic.felds layers.sil
Mafic Volcanic.felds & hem layers.lee sil
Mafic Volcanic.hem.felds
-100
-100
Mafic Volcanic.sil carb enh hem alt'n
Mafic Volcanic.ser sele alt'n
Mafic Volcanic.lee wk sil/felds alt'n
257.00 m.
MC96-14
-200
-200
0
25
50
75
100
125
metres
5100N
MAHONEY CREEK
SECTION 6500E
SCALE: 1/1250
DDH MC 96-14
-300
-300
5000N
BATTLE MOUNTAIN GOLD


Az 130°
5000E
5100
0
MC96-15
0
-45°
Overburden
Mafic Volcanic,sil,epid,lcc hem
Mafic Volcanic,hem sil carb alt'd
Mafic Volcanic,massive,wk ser carb clb alt'd
Altered Sediments,str ser,almost schistose
Argillaceous Sediments,ser
-100
-100
Argillaceous Greywacke
260.00 m.
MC96-15
-200
-200
0
25
50
75
100
125
metres
5100N
MAHONEY CREEK
SECTION 6250E
SCALE: 1/1250
DDH MC 96-15
-300
-300
5000N
BATTLE MOUNTAIN GOLD

P1177826



MAHONEY CREEK

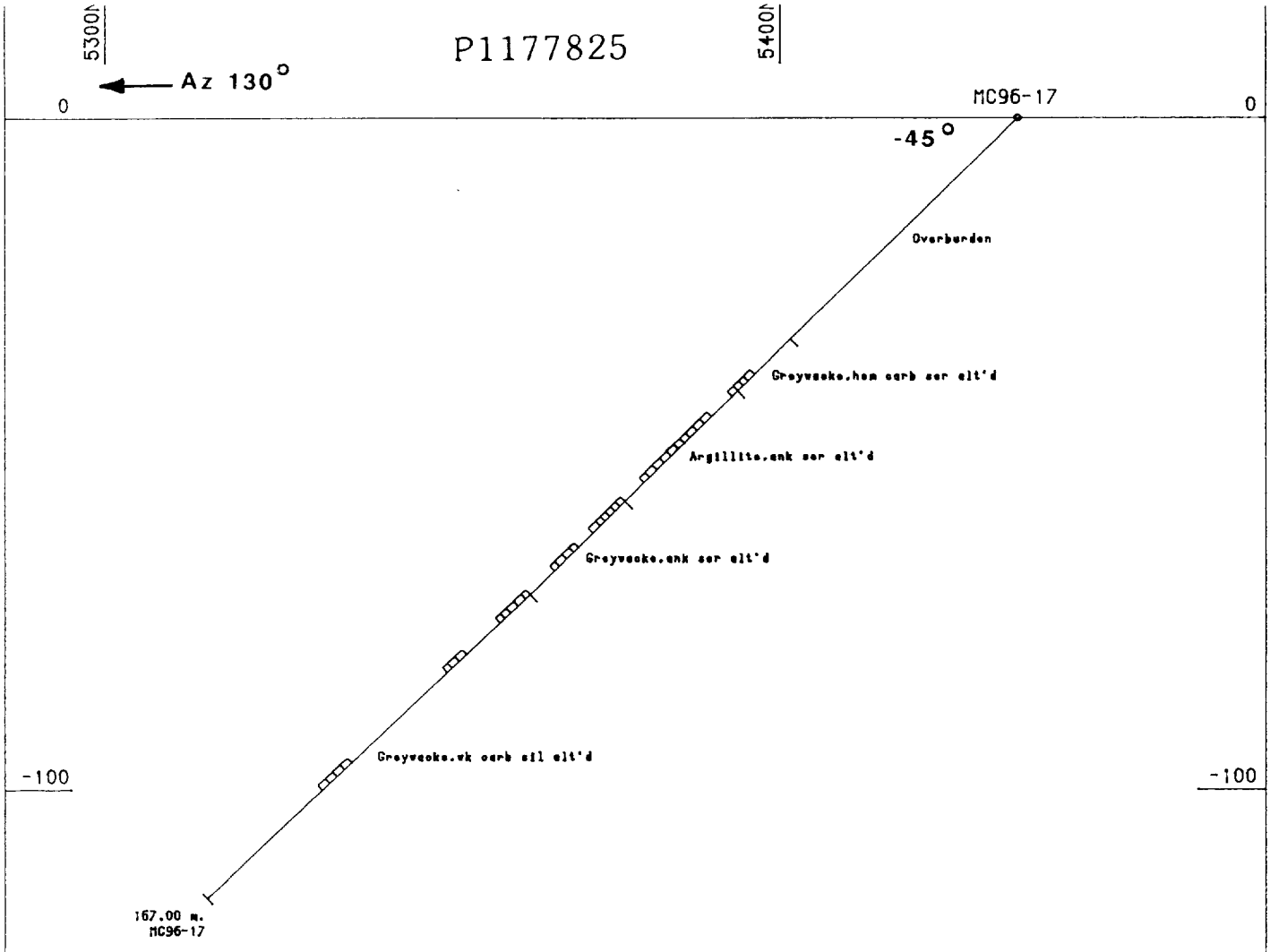
SECTION 7125E

SCALE: 1/1000

DDH MC 96-16

BATTLE MOUNTAIN GOLD

P1177825



MAHONEY CREEK

SECTION 7625E

SCALE: 1/1000

DDH MC 96-17

BATTLE MOUNTAIN GOLD

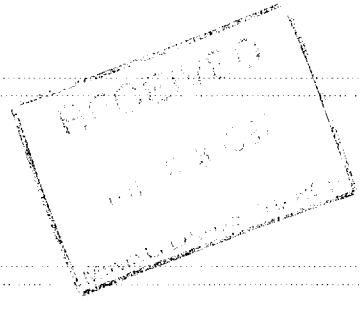
Bondar Clegg
Inchcape Testing Services

Certificate of Analysis

CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57536.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 2-OCT-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11501		<0.03
11502		<0.03
11503		<0.03
11504		<0.03
11505		0.07
11506		<0.03
11507		<0.03
11508		<0.03
11522		<0.03
11523		0.11
11524		0.19
11525		0.28
11526		<0.03
11527		<0.03
11528		<0.03
11529		<0.03
11530		<0.03
11531		<0.03
11532		<0.03
11533		<0.03
11534		<0.03
11535		<0.03
11536		<0.03
11537		<0.03
11538		<0.03
11539		<0.03
11540		<0.03
11541		<0.03
11542		<0.03
11543		0.07
11544		<0.03
11545		<0.03



Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170

Lab Supervisor

Bondar Clegg
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CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57549.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 5-OCT-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11546		<0.03
11547		<0.03
11548		<0.03
11549		<0.03
11550		<0.03
11551		<0.03
11552		<0.03
11553		<0.03
11554		<0.03
11555		<0.03
11556		<0.03
11557		<0.03
11558		<0.03
11559		<0.03

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CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57533.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 2-OCT-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11509		<0.03
11510		<0.03
11511		<0.03
11512		<0.03
11513		<0.03
11514		<0.03
11515		<0.03
11516		<0.03
11517		<0.03
11518		<0.03
11519		<0.03
11520		<0.03
11521		<0.03

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CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57572.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 12-OCT-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11560		<0.03
11561		<0.03
11562		<0.03
11563		<0.03
11564		<0.03
11565		<0.03
11566		<0.03

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CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57588.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 23-OCT-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPM
11568		<0.03
11569		0.34
11570		0.07
11571		0.13
11572		0.11
11573		0.10
11574		0.03
11575		0.08

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CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57595.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 28-OCT-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11576		<0.03
11577		<0.03
11578		<0.03
11579		<0.03
11580		<0.03
11581		0.66
11582		0.19
11583		0.03
11584		0.11
11585		0.10
11586		0.10
11587		0.05
11588		0.12
11589		0.20
11590		0.45
11591		0.04
11592		0.05

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Lab Supervisor

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57596.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 23-OCT-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11593		<0.03
11594		0.69
11595		0.04
11596		0.09
11597		0.05
11598		<0.03
11599		0.12
11600		<0.03
11701		<0.03
11702		<0.03
11703		<0.03

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Lab Supervisor

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57601.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 25-OCT-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11704		<0.03
11705		<0.03
11706		<0.03
11707		0.03
11708		<0.03
11709		<0.03
11710		<0.03
11711		<0.03
11712		<0.03

Bondar-Clegg & Company Ltd.
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Tel: (613) 749-2220, Fax: (613) 749-7170

Lab Supervisor

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57616.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 31-OCT-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11601		<0.03
11602		<0.03
11730		<0.03
11731		<0.03
11732		<0.03
11733		<0.03
11734		<0.03
11735		<0.03
11736		<0.03
11737		0.04
11738		<0.03
11739		<0.03
11740		0.15
11741		<0.03
11742		<0.03
11743		<0.03
11744		<0.03
11745		<0.03
11746		<0.03
11747		<0.03
11748		<0.03
11749		<0.03
11750		<0.03
11751		<0.03
11752		<0.03
11753		<0.03

Bondar-Clegg & Company Ltd.
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Lab Supervisor

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57619.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 31-OCT-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11603		<0.03
11604		<0.03
11605		<0.03
11606		<0.03

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170

Lab Supervisor

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57631.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 1-NOV-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11607		0.03
11608		<0.03
11609		<0.03
11610		<0.03
11611		<0.03
11612		<0.03
11613		<0.03
11614		0.05
11615		<0.03
11616		<0.03
11617		<0.03
11618		<0.03
11619		<0.03
11620		<0.03

Bondar-Clegg & Company Ltd.
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Lab Supervisor

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57632.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 5-NOV-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPM
11621		0.05
11622		<0.03
11623		<0.03
11624		<0.03

Bondar-Clegg & Company Ltd.
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Lab Supervisor

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57642.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 7-NOV-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11625		<0.03
11626		<0.03
11627		<0.03
11628		<0.03
11629		<0.03
11630		<0.03
11631		<0.03
11632		<0.03
11633		<0.03
11649		<0.03
11650		<0.03
11651		<0.03
11652		0.08
11653		<0.03
11654		0.32
11655		0.49
11656		<0.03
11657		<0.03
11658		<0.03
11659		<0.03
11660		<0.03

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
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Lab Supervisor

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57641.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 7-NOV-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11634		0.06
11635		0.04
11636		<0.03
11637		0.13
11638		0.04
11639		<0.03
11640		0.04
11641		<0.03
11642		0.07
11643		0.05
11644		0.06
11645		<0.03
11646		<0.03
11647		<0.03
11648		<0.03

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170

Lab Supervisor

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

George

CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T97-57010.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 20-JAN-97 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11661		<0.03
11662		<0.03

Bondar-Clegg & Company Ltd.
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Lab Supervisor

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Bondar Clegg

Certificate of Analysis

CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57603.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 29-OCT-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11713		0.06
11714		<0.03
11715		0.12
11718		<0.03
11719		0.03
11720		<0.03
11721		<0.03
11722		<0.03
11723		<0.03
11724		<0.03
11725		0.16
11726		<0.03
11727		<0.03
11728		<0.03
11729		<0.03

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170

Lab Supervisor

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57604.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 7-NOV-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T	Sb PPM
11716		0.05	2.9
11717		0.06	2.6

Bondar-Clegg & Company Ltd.
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Lab Supervisor

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57618.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 1-NOV-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11754		0.82
11755		0.32

Bondar-Clegg & Company Ltd.
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Lab Supervisor

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57617.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 31-OCT-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T	SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11757		0.10	11797		<0.03
11758		<0.03	11798		<0.03
11759		<0.03	11799		<0.03
11760		<0.03	11800		<0.03
11761		<0.03			
11762		<0.03			
11763		<0.03			
11764		0.97			
11765		0.06			
11766		0.39			
11767		0.07			
11768		0.05			
11769		<0.03			
11770		0.04			
11771		<0.03			
11772		0.04			
11773		<0.03			
11774		0.08			
11775		<0.03			
11776		<0.03			
11777		<0.03			
11778		<0.03			
11779		0.04			
11780		<0.03			
11781		<0.03			
11782		0.06			
11783		0.13			
11784		<0.03			
11785		<0.03			
11786		<0.03			
11787		<0.03			
11788		<0.03			
11789		<0.03			
11790		<0.03			
11791		<0.03			
11792		<0.03			
11793		<0.03			
11794		<0.03			
11795		<0.03			
11796		<0.03			

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170

Lab Supervisor

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57627.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 6-NOV-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11801		<0.03
11802		<0.03
11803		0.07
11804		0.14
11805		0.10
11806		0.07
11807		0.07
11808		<0.03
11809		0.04
11810		0.03
11811		0.12
11812		0.55
11813		0.06
11814		0.08
11815		0.07
11816		0.37
11817		0.72

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170

Lab Supervisor

Inchcape Testing Services
Bondar Clegg

Certificate of Analysis

CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57644.0 (COMPLETE)

PROJECT: 507
DATE PRINTED: 11-NOV-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
11818		0.04
11819		0.03
11820		<0.03
11821		<0.03
11822		0.10
11823		0.08
11824		0.12
11825		0.03
11826		<0.03

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170

Lab Supervisor

Ontario

Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use): W.9760.00160
Assessment Files Research Imaging

Personal information col
Mining Act, the informati
Questions about this c
933 Ramsey Lake Road

900

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

Instructions: - Fo... ...lands before recording a claim, use form 0240.
- Please type or print in ink.

2.17460

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

Name: Battle Mountain Canada Ltd.	Client Number: 143550
Address: PO Box 1205, 60 Shirley Street South	Telephone Number: (705) 268-9600
Timmins, Ont. P4N 7J5	Fax Number: (705) 268-9572
Name	Client Number
Address	Telephone Number
	Fax Number

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: Diamond Drilling - Holes MC 96-9 to 17, 1959.5 metres

Office Use	
Commodity	
Total $ Value of Work Claimed	$132,915.00
NTS Reference	
Mining Division	Porcupine
Resident Geologist District	Timmins

Dates Work Performed: From 16 (Day) 09 (Month) 1996 (Year) To 08 (Day) 11 (Month) 1996 (Year)

Global Positioning System Data (If available)

Township/Area: Bristol/Carscallen/Deform/Thornloe

M or G-Plan Number: G3998/G3040/G3224/G3229

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: George J. Kolesar / Battle Mountain Can. Ltd.	Telephone Number
Address: P.O. Box 1205, 60 Shirley Str. S. Timmins	Fax Number
Name: Ont. P4N 7J5	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

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APR 2 1997
1310
PORCUPINE MINING DIVISION

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MINING LANDS BRANCH

4. Certification by Recorded Holder or Agent

I, ~~Robert Cathcart~~ George J. Kolesar (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: April 1 1997
Agent's Address: PO Box 1205, 60 Shirley St. South, Timmins, Ont P4N 7J5	Telephone Number: (705) 268-9600	Fax Number: (705) 268-9572

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.

	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	$ 8, 892	$ 4,000	0	$4,892
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
		Column Totals				

$2,1460

I, George J. Kolesar (Print Full Name), 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: April 1, 1997 | Date: April 1, 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):

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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 APR 2 1997 MINING LANDS DIVISION

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

0241 (02/96)

W.9760.00160

Page 1

SCHEDULE FOR DECLARATION OF ASSESSMENT WORK ON MINING LAND 2.17400

Work Transaction #: EASTCAN97.016

	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
1	P 0495307	19 ha	0.00			
2	P 0495308	24 ha	0.00			
3	P 0495309	25 ha	0.00			
4	P 0530884	1	0.00	1.200.00		
5	P 0583234	1	0.00	1.200.00		
6	P 0649963	1	0.00	1.200.00		
7	P 0649964	1	0.00	1.200.00		
8	P 0649965	1	0.00	919.00		
9	P 0757659	1	0.00	1.200.00		
10	P 0764945	1	0.00	1.200.00		
11	P 0916816	1	0.00	1.233.00		
12	P 0998383	1	0.00	1.319.00		
13	P 0998384	1	0.00	1.319.00		
14	P 1159632	1	0.00	1.319.00		
15	P 1159633	1	0.00	1.319.00		
16	P 1159634	1	22.126.00	1.319.00	20.807.00	
17	P 1159635	1	0.00	1.319.00		
18	P 1159636	1	0.00	1.319.00		
19	P 1159637	1	0.00	1.319.00		
20	P 1159638	1	0.00	1.319.00		
21	P 1159639	1	0.00	1.608.00		
22	P 1159640	1	0.00	1.719.00		
23	P 1159641	1	0.00	1.719.00		
24	P 1159642	1	0.00	1.319.00		
25	P 1159643	1	0.00	1.319.00		
26	P 1176341	1	0.00	1.319.00		
27	P 1177807	1	0.00	1.319.00		
28	P 1177808	1	0.00	1.319.00		
29	P 1177809	1	0.00	1.319.00		
30	P 1177811	1	0.00	1.318.00		
31	P 1177814	1	0.00	1.318.00		
32	P 1177821	2	0.00	2.636.00		
33	P 1177822	1	0.00	1.318.00		
34	P 1177823	1	0.00	1.318.00		
35	P 1177824	1	15.976.00	1.318.00	14.658.00	
36	P 1177825	4	12.759.00	5.272.00	7.487.00	
37	P 1177826	2	15.153.00	2.636.00	12.517.00	
38	P 1177827	2	33.300.00	2.636.00	30.664.00	
39	P 1177828	6	0.00	7.908.00		
40	P 1177829	1	0.00	1.318.00		
41	P 1177830	2	0.00	2.636.00		
42	P 1177831	1	1.976.00	1.318.00	658.00	
43	P 1181409	1	0.00	1.318.00		
44	P 1181410	1	0.00	1.318.00		
45	P 1181413	1	0.00	1.318.00		

2.17400

W. 9760.00160

SCHEDULE FOR DECLARATION OF
ASSESSMENT WORK ON MINING LAND

Work Transaction #
EASTCAN97.016

	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
47	P 1189214	1	6.576.00	1.318.00	5.258.00	
48	P 1189528	1	0.00	1.318.00		
49	P 1189544	2	0.00	2.636.00		
50	P 1189552	2	0.00	2.636.00		
51	P 1189553	1	0.00	1.318.00		
52	P 1189562	1	0.00	1.318.00		
53	P 1189580	1	0.00	1.318.00		
54	P 1189592	3	0.00	3.954.00		
55	P 1189593	1	0.00	1.318.00		
56	P 1189764	4	4.275.00	5.272.00		
57	P 1189861	4	5.802.00	5.272.00	530.00	
58	P 1189886	6	0.00	7.908.00		
59	P 1189887	6	0.00	7.908.00		
60	P 1189888	4	14.972.00	5.272.00	9.700.00	
61	P 1189914	1	0.00	1.318.00		
62	P 1189915	1	0.00	1.318.00		
63	P 1198802	1	0.00	1.318.00		
64	P 1198803	1	0.00	1.318.00		
65	P 1198804	1	0.00	1.318.00		
66	P 1201162	1	0.00	1.318.00		
67	P 1204623	1	0.00	1.318.00		
68	P 1223951	1	0.00	1.200.00		
		Column Totals	132.915.00	132.915.00	102.279.00	0.00

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Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use): W.9760.00160

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

Work Type	Units of Work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Diamond Drilling	1959.5 metres	53.54/metre	104,904.00
Labour	108 man days	225/man day	24240.00
Assaying	285 samples	9.50/sample	2707.00
		2.17460	
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Rental truck & gas			1064.00
Food and Lodging Costs			
		Total Value of Assessment Work	132915.00

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Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

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

Note:
- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

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PORCUPINE MINING DIVISION

Certification verifying costs:

I, George J. Koleszar (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Lands Manager (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature	Date
	April 1 1997

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

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

Telephone: (705) 670-5853
Fax: (705) 670-5863

July 7, 1997

Gary White
Mining Recorder
Ontario Government Complex
P.O. Bag 3060, Hwy 101 East
South Porcupine, ON
P0N 1H0

Dear Sir or Madam:

Submission Number: 2.17460

Status

Subject: Transaction Number(s): W9760.00160 Deemed 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.

NOTE: This correspondence may affect the status of your mining lands. Please contact the Mining Recorder to determine the available options and the status of your claims.

If you have any questions regarding this correspondence, please contact Bruce Gates by e-mail at gates_b@torv05.ndm.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,

ORIGINAL SIGNED BY
Ron C. Gashinski
Senior Manager, Mining Lands Section
Mines and Minerals Division

Correspondence ID: 11024
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.17460

Date Correspondence Sent: July 07, 1997 **Assessor:** Bruce Gates

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9760.00160	1159634	BRISTOL, CARSCALLEN, DENTON, THORNELOE	Deemed Approval	July 01, 1997

Section:

10 Physical PDRILL

Correspondence to:

Mining Recorder
South Porcupine, ON

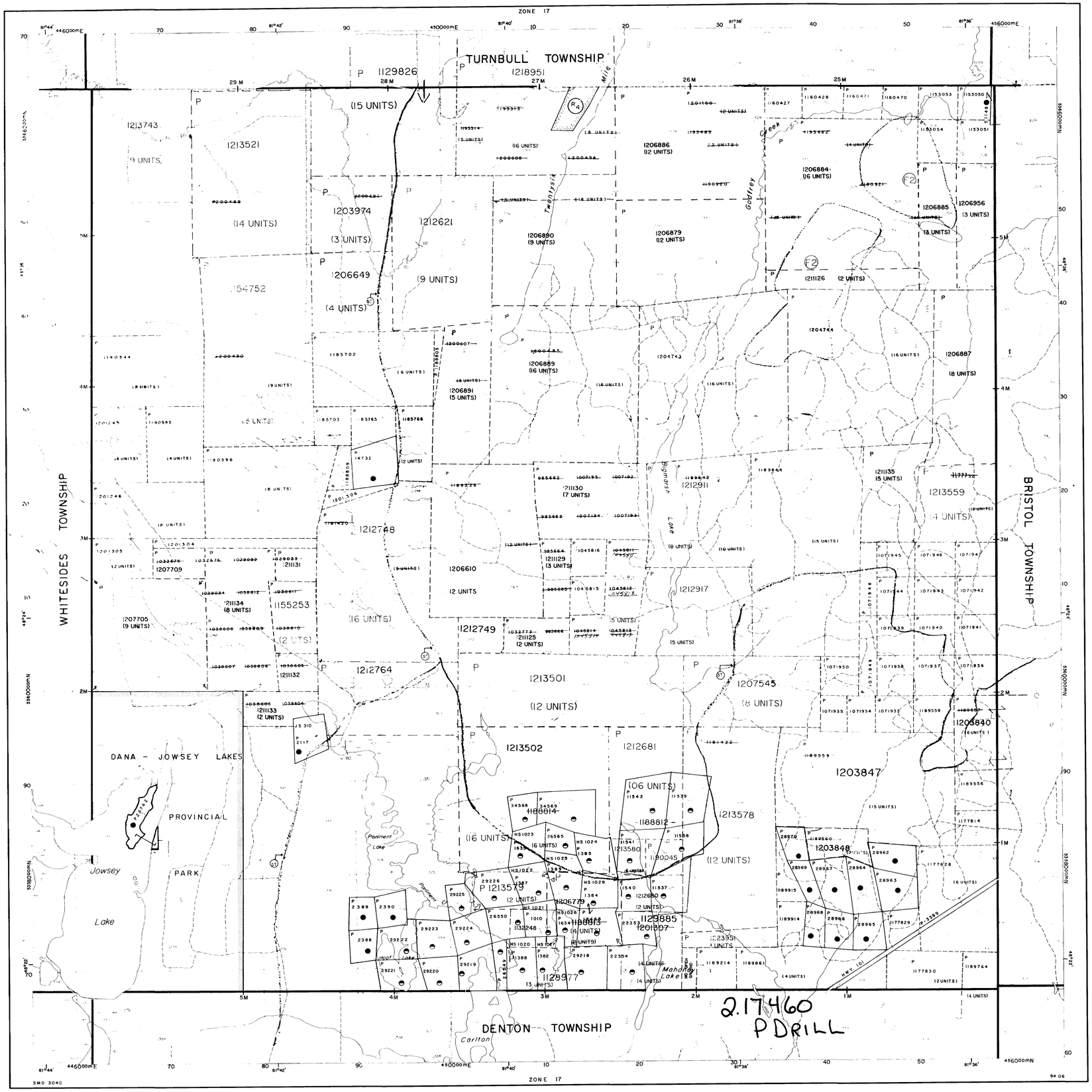
Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

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

George J. Koleszar
BATTLE MOUNTAIN CANADA LTD.
TIMMINS, ONTARIO

Correspondence ID: 11024



2.17460
PDRILL

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Ontario

Ministry of Natural Resources

Ministry of Northern Development and Mines

42A05SE0035 2.17460 CARSCALLEN

200

INDEX TO LAND DISPOSITION

PLAN
G-3040

TOWNSHIP
CARSCALLEN

M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS

MINING DIVISION
PORCUPINE

LAND TITLES/REGISTRY DIVISION
COCHRANE

Scale 1:20 000

1000 Metres 0 1000 2000 Metres

1000 Feet 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000 Feet

Contour Interval 10 Metres

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
SRO - Surface Rights Only
M + S - Mining and Surface Rights

Description	Order No.	Date	Disposition	File
(R4) AGGREGATE PERMIT - NOTICE RECEIVED JUNE 16, 1993				

~~THIS TWP. IS SUBJECT TO FOREST ACTIVITIES IN 1994/95 FURTHER INFORMATION AVAILABLE ON FILE~~

— APPLICATION PENDING UNDER THE PUBLIC LANDS ACT SNOWMOBILE TRAIL ... 92-DEC-21.

(F2) THIS TWP SUBJECT TO FOREST ACTIVITY IN 1995-96. FURTHER INFORMATION AVAILABLE ON FILE.

SYMBOLS

Boundary
- Township, Meridian, Baseline
- Road allowance; surveyed
  - shoreline
- Lot/Concession; surveyed
  - unsurveyed
- Parcel; surveyed
  - unsurveyed
- Right-of-way; road
  - railway
  - utility
- Reservation

Cliff, Pit, Pile

Contour
- Interpolated
- Approximate
- Depression

Control point (horizontal) △

Flooded land

Mine head frame

Pipeline (above ground)

Railway; single track
- double track
- abandoned

Road; highway, county, township
- access
- trail, bush

Shoreline (original)

Transmission line

Wooded area

DISPOSITION OF CROWN LANDS

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

Cancelled ⊗

Reservation ⓡ

Sand & Gravel ⓢ

2.17460

ACTIVATED AUG. 17/94, BY: D.C.
CHECKED BY:

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources.

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only.

CARSCALLEN TWP.

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

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

	Description	Order No.	Date	Disposition	File
R1	SEC. 43/70		FEB 3/66	M. + S.	1715(E
R2	DANA AND JOWSEY PARK RESERVE SEC. 36/80 W.68/83		NOV. 18/83	S.R.O. M.R.O.	
R4	RESERVED FOR PUBLIC USE			S.R.O.	
R5	SURFACE RIGHTS ONLY WITHDRAWN FROM STAKING ORDER NO. NRW 94/84 DATED 84-JULY-04 (WASTE DISPOSAL SITE)				

SAND AND GRAVEL

G1	M.T.C.	PIT 1417	FILE 12635I
G2	M.T.C.	PIT 1236	FILE 12635I
G3	M.T.C.	PIT 1470	
G4	M.T.C.	PIT 1331	

S7 APPLICATION PENDING UNDER THE PUBLIC LANDS ACT NOTICE RECEIVED 92-DEC-21 SNOWMOBILE TRAILS

F2 ~~THIS TWP. SUBJECT RIGHTS TO FOREST ACTIVITY IN 1994/95 FURTHER INFORMATION AVAILABLE ON FILE.~~

F3 THIS TWP SUBJECT TO FOREST ACTIVITY IN 1995-96. FURTHER INFORMATION AVAILABLE ON FILE.

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 HEREON

CARSCALLEN TWP.

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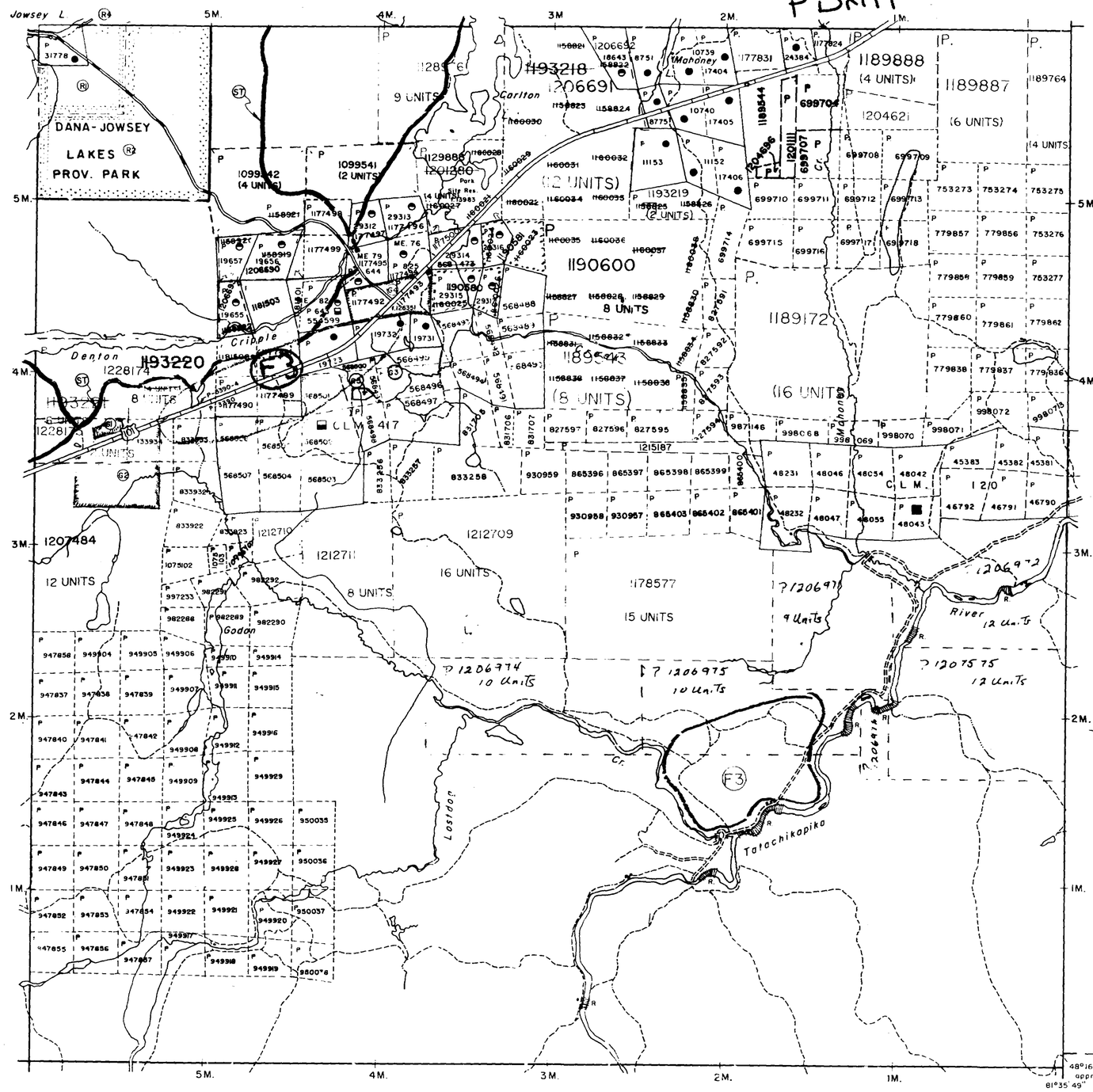

KEEFER TWP.

THORNELOE TWP.

McKEOWN TWP.

REYNOLDS TWP.

LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◒
" , MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	◨
" , MINING RIGHTS ONLY	◨
LICENCE OF OCCUPATION	▼
ORDER-IN COUNCIL	OC
RESERVATION	⊕
CANCELLED	⊗
SAND & GRAVEL	⊕

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

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 400 1000 2000 4 KM 12 KM

TOWNSHIP

DENTON

M.N.R. ADMINISTRATIVE DISTRICT

TIMMINS

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE

Ministry of Natural Resources — Land Management Branch — Ontario

Date MARCH, 1985

ACTIVATED AUG [illegible] 1992 BY D.S.

CHECKED BY E.E.

Number G-3224

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PDrill

Bristol Twp.

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY

S.R.O. – SURFACE RIGHTS ONLY

M.+ S. – MINING AND SURFACE RIGHTS

	Description	Order No.	Date	Disposition	File
R1	SEC. 43/70		17/5/72	S.R.O.	164584

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 HEREON.

SAND AND GRAVEL

G1	GRAVEL		FILE 143834
G2	M.N.R.	GRAVEL RESERVE	
G3	M.N.R.	GRAVEL PIT 258	FILE 11467

(S) THIS TWP. SUBJECT TO FOREST ACTIVITIES IN 1994/95. FURTHER INFO AVAILABLE ON FILE.

(S2) THIS TWP SUBJECT TO FOREST ACTIVITY IN 1995-96. FURTHER INFORMATION AVAILABLE ON FILE.

NOTES

Reservation for Deputy Chief Ranger's Headquarters site shown thus [redacted] File: 110657

Flooding Rights on Kenogamissi Lk. & Mattagami R. are reserved to Ont. Hydro — L.O. 7598. File: 1163 vol. 3

THIS TOWNSHIP LIES WITHIN THE MUNICIPALITY OF THE CITY OF TIMMINS.

LUP APPLICATION PENDING UNDER PUBLIC LANDS ACT NOTICE RECEIVED 93-MAR-30 (SNOWMOBILE TRAIL)

Note: See insert in lower left-hand corner for more detail around the dam and penstock area.

Denton Twp.

Price Twp.

Mc Keown Twp.

1:29,000 Plot of Area Around Waiwaitin Falls (Dam) and Penstock.

LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	P or ●
" , SURFACE RIGHTS ONLY	◓
" , MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	L or ■
" , SURFACE RIGHTS ONLY	◨
" , MINING RIGHTS ONLY	◧
LICENCE OF OCCUPATION	LO or ▼
ORDER-IN-COUNCIL	OC
RESERVATION	R
CANCELLED	⊗
SAND & GRAVEL	G

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.

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 2000 (1 KM) (2 KM)

TOWNSHIP

THORNELOE

M.N.R. ADMINISTRATIVE DISTRICT

TIMMINS

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE

Ministry of Natural Resources

Ontario

Date MARCH 1985

Number G-3229

ACTIVATED JULY 3, 1992 BY D.C.

CHECKED BY G.R.W.

RECEIVED JUL 09 1997 MINING LANDS BRANCH

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THORNELOE Twp.

G-3229